

SC-3

SW. TX

12 JUN 25 to 07 AUG 25



Federal Aviation
Administration

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South Central (SC) Vol 3 of 5

Effective: 0901Z

12 JUN 2025

to: 0901Z

07 AUG 2025

Consult the Change Notice
(CN) effective 10 JUL 2025 for
revised Instrument Procedure
Charts for this volume



Consult NOTAMs for latest information

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CORRECTIONS, COMMENTS AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS CONTACT:
 FAA, Aeronautical Information Services
 1305 East-West Highway
 SSMC 4, Room 4531
 Silver Spring, MD 20910-3281
 Telephone: 1-800-638-8972
https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/

For inquiries regarding military charts, please contact aerohelp@nga.mil

FOR PROCUREMENT:
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Frequently asked questions (FAQ) are answered on our website at: <https://www.faa.gov/go/ais>
 See the FAQs prior to contact via toll free number or email.

Request for the creation or revisions to Airport Diagrams should be in accordance with FAA Order 7910.4

INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE
(For Civil Use Only)

Straight-in and Sidestep landing minimums published on instrument approach procedure charts are based on full operation of all components and visual aids (see exception below for ALSF 1 & 2) associated with the particular approach chart being used. Higher minimums are required with inoperative components or visual aids as indicated below. If more than one component is inoperative, each minimum is raised to the highest minimum required by any single component that is inoperative. ILS glideslope inoperative minimums are published on the instrument approach charts as localizer minimums. This table applies to approach categories A thru D and is to be used unless amended by notes on the approach chart. Such notes apply only to the particular approach category(ies) as stated. Category E inoperative notes will be specified when published on civil charts. The inoperative table does not apply to Circling minimums. See legend page for description of components indicated below.

Full Operation Exception: For ALSF 1 & 2 operated as SSALR, or when the sequenced flashing lights are inoperative, there is no effect on visibility for ILS lines of minima.

(1) ILS, PAR, LPV, GLS minima

Inoperative Component or Visual Aid	Increase Visibility
All ALS types (except ODALS)	¼ mile

(2) ILS, LPV, GLS with visibility minima of RVR 1800[†]/2000*/2200*

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	To RVR 4000 [†] To RVR 4500*
TDZL or RCLS	To RVR 2400#
RVR	To ½ mile

#For ILS, LPV, GLS procedures with a 200 foot HAT, RVR 1800 authorized with use of FD or AP or HUD to DA. For ILS procedures with a 200 foot HAT with a restriction on autopilot usage, RVR 1800 authorized with use of FD or HUD to DA.

(3) All Approach Types and all lines of minima other than (1) & (2) above

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	½ mile
MALSF, MAL, SSALF, SSALS, SALSF, SALS	¼ mile

(4) Sidestep minima (CAT C-D)

Inoperative Component or Visual Aid to Sidestep Runway	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	½ mile

(5) All Approach Types, All lines of minima

Inoperative Component or Visual Aid	Increase Visibility
ODALS (CAT A-B)	¼ mile
ODALS (CAT C-D)	⅛ mile

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IFR LANDING MINIMA

The United States Standard for Terminal Instrument Procedures (TERPS) is the approved criteria for formulating instrument approach procedures. Landing minima are established for six aircraft approach categories (ABCDE and COPTER). In the absence of COPTER MINIMA, helicopters may use the CAT A minimums of other procedures.

LANDING MINIMA FORMAT

In this example airport elevation is 1179, and runway touchdown zone elevation is 1152.

CATEGORY	A		B		C		D	
	S-ILS 27		S-LOC 27		CIRCLING			
DA	1352/24		1440/24		1540-1		1440/50	
Visibility (RVR 100's of feet)	200		288		461 (500-1)		561 (600-2)	
Aircraft Approach Category	200		(300-1/2)		461 (500-1 1/2)		(200-1/2)	
MDA	361 (400-1)		461 (500-1)		461 (500-1 1/2)		561 (600-2)	
HAA	361 (400-1)		461 (500-1)		461 (500-1 1/2)		561 (600-2)	
Visibility in Statute Miles	461 (500-1)		461 (500-1 1/2)		561 (600-2)			

All weather minimums in parentheses not applicable to Civil Pilots.
Military Pilots refer to appropriate regulations.

COPTER MINIMA ONLY

CATEGORY	COPTER
H-176°	680-1/2 363 (400-1/2)

Copter Approach Direction

Height of MDA/DA
Above Landing Area (HAL)

No circling minimums are provided

NOTE: The **W** symbol indicates outages of the WAAS vertical guidance may occur daily at this location due to initial system limitations. WAAS NOTAMS for vertical outages are not provided for this approach. Use LNAV minima for flight planning at these locations, whether as a destination or alternate. For flight operations at these locations, when the WAAS avionics indicate that LNAV/VNAV or LPV service is available, then vertical guidance may be used to complete the approach using the displayed level of service. Should an outage occur during the procedure, reversion to LNAV minima may be required. As the WAAS coverage is expanded, the **W** will be removed.

RNAV minimums are dependent on navigation equipment capability, as stated in the applicable AFM, AFMS, or other FAA approved document. See AIM paragraph 5-4-5, AC 90-105 and AC 90-107 for detailed requirements for each line of minima.

COLD TEMPERATURE AIRPORTS

NOTE: A **W**-12°C symbol indicates a cold temperature altitude correction is required at this airport when reported temperature is at or below the published temperature. See the following Cold Temperature Error Table to make manual corrections. Advise ATC with altitude correction. Advising ATC with altitude corrections is not required in the final segment. See Aeronautical Information Manual (AIM), Chapter 7, for guidance and additional information. For a complete list, see the "Cold Temperature Airports" link under the Additional Resources heading at the bottom of the following page: http://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/dtpp/search/

COLD TEMPERATURE ERROR TABLE

HEIGHT ABOVE AIRPORT IN FEET

REPORTED TEMP °C	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000
+10	10	10	10	10	20	20	20	20	20	30	40	60	80	90
0	20	20	30	30	40	40	50	50	60	90	120	170	230	280
-10	20	30	40	50	60	70	80	90	100	150	200	290	390	490
-20	30	50	60	70	90	100	120	130	140	210	280	420	570	710
-30	40	60	80	100	120	140	150	170	190	280	380	570	760	950
-40	50	80	100	120	150	170	190	220	240	360	480	720	970	1210
-50	60	90	120	150	180	210	240	270	300	450	590	890	1190	1500

AIRCRAFT APPROACH CATEGORIES

Aircraft approach category indicates a grouping of aircraft based on a speed of VREF, if specified, or if VREF not specified, 1.3 VSO at the maximum certificated landing weight. VREF, VSO, and the maximum certificated landing weight are those values as established for the aircraft by the certification authority of the country of registry. Helicopters are Category A aircraft. An aircraft shall fit in only one category. When necessary to operate the aircraft at an airspeed in excess of the maximum airspeed of its certified aircraft approach category, pilots should use the applicable higher category minima. For additional options and to ensure the aircraft remains within protected airspace, consult the AIM. See following category limits:

MANEUVERING TABLE

Approach Category	A	B	C	D	E
Speed (Knots)	0-90	91-120	121-140	141-165	Abv 165

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CIRCLING APPROACH OBSTACLE PROTECTED AIRSPACE

The circling MDA provides vertical obstacle clearance during a circle-to-land maneuver. The circling MDA protected area extends from the threshold of each runway authorized for landing following a circle-to-land maneuver for a distance as shown in the table below. The resultant arcs are then connected tangentially to define the protected area.

CIRCLING APPROACH MANEUVERING AIRSPACE RADIUS

Circling MDA protected areas use the radius distance shown in the following table, expressed in nautical miles (NM), dependent on aircraft approach category, and the altitude of the circling MDA, which accounts for true airspeed increase with altitude.

Circling MDA in feet MSL	Approach Category and Circling Radius (NM)				
	CAT A	CAT B	CAT C	CAT D	CAT E
1000 or less	1.3	1.7	2.7	3.6	4.5
1001-3000	1.3	1.8	2.8	3.7	4.6
3001-5000	1.3	1.8	2.9	3.8	4.8
5001-7000	1.3	1.9	3.0	4.0	5.0
7001-9000	1.4	2.0	3.2	4.2	5.3
9001 and above	1.4	2.1	3.3	4.4	5.5

Users may ignore the presence of **C** symbols on charts which will be removed on a day-forward basis. All circling areas within this volume have been evaluated for the circling MDA protected area radius shown in the table above.

Comparable Values of RVR and Visibility

The following table shall be used for converting RVR to ground or flight visibility. For converting RVR values that fall between listed values, use the next higher RVR value; do not interpolate. For example, when converting 4800 RVR, use 5000 RVR with the resultant visibility of 1 mile.

RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)
1600	¼	2400	½	3500	⅝	5500	1
1800	½	2600	½	4000	¾	6000	1¼
2000	½	3000	⅝	4500	⅞		
2200	½	3200	⅝	5000	1		

RADAR MINIMA

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT HAA	CEIL-VIS
PAR	10	2.5°/42/1000	ABCDE	195/16	100	(100-¼)				
	28	2.5°/48/1068	ABCDE	187/16	100	(100-¼)				
ASR	10		ABC	560/40	463	(500-¾)	DE	560/50	463	(500-1)
	28		AB	600/50	513	(600-1)	CDE	600/60	513	(600-1¼)
CIR	10		AB	560-1¼	463	(500-1¼)	CDE	560-1½	463	(500-1½)
	28		AB	600-1¼	503	(600-1¼)	CDE	600-1½	503	(600-1½)

Radar Minima: All minima in parentheses not applicable to Civil Pilots. Military Pilots refer to appropriate regulations.

1. Minima shown are the lowest permitted by established criteria. Pilots should consult applicable directives for their category of aircraft.
2. The circling MDA and weather minima to be used are those for the runway to which the final approach is flown- not the landing runway. In the above RADAR MINIMA example, a category C aircraft flying a radar approach to runway 10, circling to land on runway 28, must use an MDA of 560 feet with weather minima of 500-1½.
- NOTE: Military RADAR MINIMA may be shown with communications symbology that indicates emergency frequency monitoring capability by the radar facility as follows: (E) VHF and UHF emergency frequencies monitored
(V) VHF emergency frequency (121.5) monitored
(U) UHF emergency frequency (243.0) monitored

Additionally, unmonitored frequencies which are available on request from the controlling agency may be annotated with an "x".

- ⚠ Alternate Minima not standard. Civil users refer to tabulation. USA/USN/USAF pilots refer to appropriate regulations.
- ⚠ NA Alternate minima are Not Authorized due to unmonitored facility or absence of weather reporting service.
- ▼ Airport is published in the Takeoff Minima, (Obstacle) Departure Procedures, and Diverse Vector Area (Radar Vectors) tabulation.

TERMS/LANDING MINIMA DATA 25163

GENERAL INFORMATION

This publication is issued every 56 days and includes Standard Instrument Approach Procedures (SIAPS), Standard Instrument Departures (SIDs), Standard Terminal Arrivals (STARs), IFR Takeoff Minimums and (Obstacle) Departure Procedures (ODPs), IFR Alternate Minimums, and Radar Instrument Approach Minimums for use by civil and military aviation. The organization responsible for SIAPs, Radar Minimums, SIDs, STARs and graphic ODPs is identified in parentheses in the top margin of the procedure; e.g., (FAA), (FAA-O), (USA), (USAF), (USN). SIAPS with the (FAA) and (FAA-O) designation are regulated under 14 CFR, Part 97. SIAPs with the (FAA-O) designation have been developed by an authorized non-FAA service provider. See 14 CFR, Part 91.175 (a) and the AIM for further details. 14 CFR, Part 91.175 (g) and the Special Notices section of the Chart Supplement contain information on civil operations at military airports.

The FAA uses an internal numbering system on all charts in the TPP. This Approach and Landing (AL) number is located on the top center margin of the chart followed by the organization responsible for the procedure in parentheses, e.g., AL-18 (FAA), AL-11919 (FAA-O). Military procedures do not show AL number, but do show the appropriate authority for the procedure, e.g., (USAF).

CHART CURRENCY INFORMATION

Date of Latest Revision 09365

The Date of Latest Revision identifies the Julian date the chart was added or last revised for any reason. The first two digits indicate the year, the last three digits indicate the day of the year (001 to 365/6) in which the latest revision of any kind has been made to the chart.



The FAA Procedure Amendment Number represents the most current amendment of a given procedure. The Procedure Amendment Effective Date represents the AIRAC cycle date on which the procedure amendment was incorporated into the chart. Updates to the amendment number & effective date represent procedural/criteria revisions to the charted procedure, e.g., course, fix, altitude, minima, etc. On Departure Procedures and Standard Terminal Arrivals, procedural revisions to the current chart are indicated by an upnumber to the procedure title with the procedure amendment effective date following. On Radar Minima, Takeoff Minimums and (Obstacle) Departure Procedures and Diverse Vector Areas, the FAA Procedure Amendment Number, Procedure Effective Date, and the Julian Date of Last Revision will be shown on the same line, e.g., AMDT 2 10DEC15 (15344).

MISCELLANEOUS

- ★ Indicates a non-continuously operating facility, see Chart Supplement.
- For Civil (FAA) instrument procedures, "RADAR REQUIRED" in the planview of the chart indicates that ATC radar must be available to assist the pilot when transitioning from the en route environment. "Radar required" in the pilot briefing portion of the chart indicates that ATC radar is required on portions of the procedure outside the final approach segment, including the missed approach. Some military procedures also have equipment requirements such as "Radar Required", but do not conform to the same charting application standards used by the FAA.
- Distances are in nautical miles (except visibility in statute miles and Runway Visual Range in hundreds of feet). Runway dimensions are in feet. Elevations are in feet, Mean Sea Level (MSL). Ceilings are in feet above airport elevation. Radials/bearings/headings/courses are magnetic. Horizontal Datum: Unless otherwise noted on the chart, all coordinates are referenced to North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to World Geodetic System 1984 (WGS 84).
- Terrain is scaled within the neat lines (planview boundaries) and does not accurately underlie not-to-scale distance depictions or symbols.

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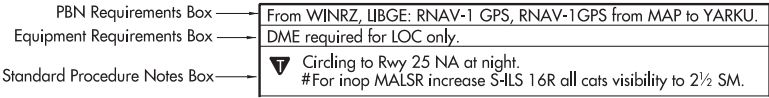
STANDARD TERMINAL ARRIVALS AND DEPARTURE PROCEDURES

The use of the associated codified STAR/DP and transition identifiers are requested of users when filing flight plans online. It must be noted that when filing a STAR/DP with a transition, the first three coded characters of the STAR and the last three coded characters of the DP are replaced by the transition code. Examples: ACTON SIX ARRIVAL, file (AQN.AQN6); ACTON SIX ARRIVAL, EDNAS TRANSITION, file (EDNAS.AQN6). FREEHOLD THREE DEPARTURE, file (FREH3.RBV), FREEHOLD THREE DEPARTURE, ELWOOD CITY TRANSITION, file (FREH3.EWC).

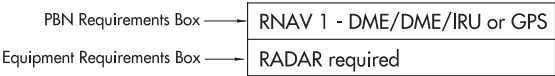
PROCEDURE PBN/EQUIPMENT REQUIREMENTS

Users will begin to see Performance-Based Navigation (PBN) Requirements and Equipment Requirements on Instrument Approach Procedures (IAPs), RNAV STARs and RNAV DPs prominently displayed in separate, standardized notes boxes. For procedures with PBN elements, the PBN box will contain the procedure's navigation specification(s); and, if required: specific sensors or infrastructure needed for the navigation solution; any additional or advanced functional requirements; the minimum Required Navigation Performance (RNP) value and any amplifying remarks. Items listed in this PBN box are REQUIRED for the procedure's PBN elements. The Equipment Requirements Box will list non-PBN requirements. On charts with both PBN elements and equipment requirements, the PBN requirements box will be listed first. The publication of these notes will continue incrementally until all charts have been amended to comply with the new standard.

IAP PBN/Equipment Requirements Notes Box






RNAV STAR and DP PBN/Equipment Requirements Notes Box




PILOT CONTROLLED AIRPORT LIGHTING SYSTEMS

Reference the Chart Supplement for detailed information on pilot controlled lighting (PCL) systems.

Available FAA standard approach lighting systems are charted as a negative symbol to indicate pilot controlled lighting, e.g.,  

Available airport lighting systems that are charted as notes, e.g. REIL, MIRL, are shown with a negative "" symbol beside the name to indicate pilot controlled lighting.

To activate lights, use frequency indicated in the communications section of the chart with a 

KEY MIKE

- 7 times within 5 seconds
- 5 times within 5 seconds
- 3 times within 5 seconds

FUNCTION

- Highest intensity available
- Medium or lower intensity (Lower REIL or REIL-off)
- Lowest intensity available (Lower REIL or REIL-off)

ABBREVIATIONS 25107

AAF.....	Army Air Field	D-ATIS.....	Digital-Automatic Terminal Information Service
AAUP.....	Attention All Users Page	DA.....	Decision Altitude
ADF.....	Automatic Direction Finder	DEP.....	Departure
ADIZ.....	Air Defense Identification Zone	DEP CON.....	Departure Control
AFAUX.....	Air Force Auxiliary	DER.....	Departure End of Runway
AFB.....	Air Force Base	DH.....	Decision Height
AFRC.....	Armed Forces Reserve Center/Air Force Reserve Command	DME.....	Distance Measuring Equipment
AGL.....	Above Ground Level	DP.....	Departure Procedure
AFHP.....	Air Force Heliprot	DTHR.....	Displaced Runway Threshold
AFIS.....	Automatic Flight Information Service	DVA.....	Diverse Vector Area
AHP.....	Army Heliprot	ELEV.....	Elevation
ALF.....	Auxiliary Landing Field	EMAS.....	Engineered Material Arresting System
ALS.....	Approach Light System	EXEC.....	Executive
ALSF.....	Approach Light System with Sequenced Flashing Lights	FAF.....	Final Approach Fix
ANGB.....	Air National Guard Base	FD.....	Flight Director System
ANGS.....	Air National Guard Station	FL.....	Flight Level
Ant.....	Antenna	FLD.....	Field
AOB.....	At or Below	FM.....	Fan Marker
AP.....	Autopilot System	FMS.....	Flight Management System
APCH.....	Approach	GBAS.....	Ground Based Augmentation System
APP CON.....	Approach Control	GCA.....	Ground Control Approach
AR.....	Authorization Required	GCO.....	Ground Communication Outlet
ARB.....	Air Reserve Base	GLS.....	Ground Based Augmentation System
ARPT.....	Airport	GP.....	Landing System
ARR.....	Arrival	GPS.....	Glidepath
AS.....	Air Station	GS.....	Global Positioning System
ASOS.....	Automated Surface Observing System	HAA.....	Glide Slope
ASR.....	Airport Surveillance RADAR	HAL.....	Height Above Airport
ASSC.....	Airport Surface Surveillance Systems	HAT.....	Height Above Landing
ATC.....	Air Traffic Control	HATH.....	Height Above Touchdown
ATCT.....	Airport Traffic Control Tower	HCH.....	Height Above Threshold
ATIS.....	Automatic Terminal Information Service	hdg.....	Heliport Crossing Height
AUNICOM.....	Automated UNICOM	HIRL.....	Heading
AWOS.....	Automated Weather Observing System	HUD.....	High Intensity Runway Lights
Baro-VNAV.....	Barometric Vertical Navigation	IAF.....	Head-up Display
BC.....	Back Course	IAP.....	Initial Approach Fix
brg.....	Bearing	ICAO.....	Instrument Approach Procedure
CAPT.....	Captain	IF.....	International Civil Aviation Organization
CAT.....	Category	IFR.....	Intermediate Fix
CCW.....	Counterclockwise	ILS.....	Instrument Flight Rules
CDI.....	Course Deviation Indicator	IM.....	Instrument Landing System
CGAS.....	Coast Guard Air Station	INC.....	Inner Marker
Chan.....	Channel	Inop.....	Incorporated
CIR.....	Circling	INT.....	Inoperative
CL.....	Centerline Lighting System	INTCNTL.....	Intersection
CLNC DEL.....	Clearance Delivery	INTL.....	Intercontinental
CNF.....	Computer Navigation Fix	JNGB.....	International
CPDLC.....	Controller Pilot Data Link Communications	JRB.....	Joint National Guard Base
CTAF.....	Common Traffic Advisory Frequency	K.....	Joint Reserve Base
CW.....	Clockwise	KIAS.....	Knots
		LAAS.....	Knots Indicated Airspeed
			Local Area Augmentation System

ABBREVIATIONS 25107

LDA.....	Localizer Type Directional Aid	OPSPEC.....	Operations Specification
Ldg.....	Landing	PAR.....	Precision Approach Radar
LIRL.....	Low Intensity Runway Lights	PDC.....	Pre-Departure Clearance
LNAV.....	Lateral Navigation	PRM.....	Precision Runway Monitor
LOA.....	Letter of Agreement/Authorization	Pvt.....	Private
LOC.....	Localizer	R.....	Radial
LOM.....	Locator Outer Marker	RA.....	Radio Altimeter setting height
LP.....	Localizer Performance	RAIL.....	Runway Alignment Indicator Lights
LPV.....	Localizer Performance with Vertical Guidance	RCLS.....	Runway Centerline Light System
LR.....	Lead Radial	REIL.....	Runway End Identifier Lights
LRRS.....	Long Range RADAR Station	RF.....	Radius to Fix
MAA.....	Maximum Authorized Altitude	RGNL.....	Regional
MALS.....	Medium Intensity Approach Lighting System	RLLS.....	Runway Lead-in Light System
MALSF.....	Medium Approach Lighting System with Sequenced Flashers	RNAV.....	Area Navigation
MALSR.....	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights	RNP.....	Required Navigation Performance
MAP.....	Missed Approach Point	RPI.....	Runway Point of Interception)
MCAF.....	Marine Corps Air Facility	RVR.....	Runway Visual Range
MCALF.....	Marine Corps Auxiliary Landing Field	RWY.....	Runway
MCAS.....	Marine Corps Air Station	S.....	Straight-in
MCB.....	Marine Corps Base	SALS.....	Simplified Short Approach Light System
MCOLF.....	Marine Corps Outlying Field	SALSF.....	Short Approach Lighting System with Sequenced Flashing Lights
MDA.....	Minimum Descent Altitude	SDF.....	Simplified Directional Facility
MEA.....	Minimum Enroute Altitude	SFB.....	Space Force Base
MEML.....	Memorial	SID.....	Standard Instrument Departure
METRO.....	Metropolitan	SM.....	Statute Mile
MIRL.....	Medium Intensity Runway Lights	SR-SS.....	Sunrise-Sunset
MM.....	Middle Marker	SSALF.....	Short Approach Lighting System with Sequenced Flashing Lights
MOCA.....	Minimum Obstruction Clearance Altitude	SSALR.....	Simplified Short Approach Light System with Runway Alignment Indicator Lights
MRA.....	Minimum Reception Altitude	SSALS.....	Simplified Short Approach Lighting System
MSL.....	Mean Sea Level	ST.....	Saint
MSPEC.....	Management Specification	STE.....	Sainte
MUNI.....	Municipal	STAR.....	Standard Terminal Arrival
N/A.....	Not Applicable	TAA.....	Terminal Arrival Area
NA.....	Not Authorized	TACAN.....	Tactical Air Navigation
NAAS.....	Naval Auxiliary Air Station	TCH.....	Threshold Crossing Height
NAF.....	Naval Air Facility	TDZ.....	Touchdown Zone
NALF.....	Naval Auxiliary Landing Field	TDZE.....	Touchdown Zone Elevation
NAS.....	Naval Air Station	TDZ/CL.....	Touchdown Zone and Runway Centerline Lighting
NDB.....	Nondirectional Radio Beacon	TDZL.....	Touchdown Zone Lights
NM.....	Nautical Mile	THR.....	Threshold
NOLF.....	Naval Outlying Field	TODA.....	Takeoff Distance Available
NoPT.....	No Procedure Turn	TORA.....	Takeoff Run Available
NOTAM.....	Notice to Airmen	tr.....	Track
NS.....	Naval Station	TRML.....	Terminal
NTL.....	National	TWR.....	Tower
ODALS.....	Omnidirectional Approach Lighting System	UNICOM.....	Universal Communications Station
ODP.....	Obstacle Departure Procedure	USA.....	United States Army
OM.....	Outer Marker	USAF.....	United States Air Force

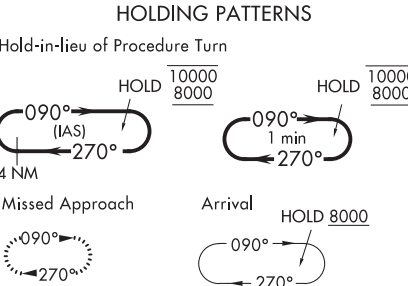
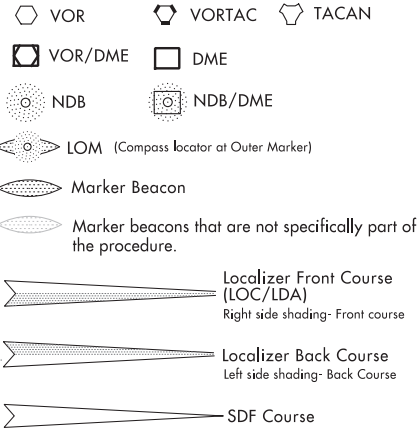
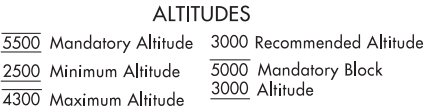
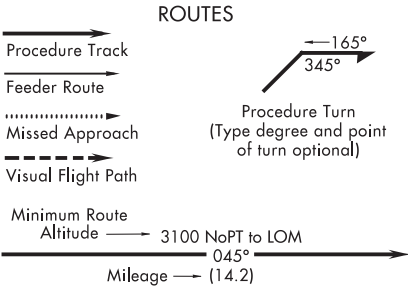
ABBREVIATIONS 25107

USCG.....	United States Coast Guard
USMC.....	United States Marine Corps
USN.....	United States Navy
USSF.....	United States Space Force
VASI.....	Visual Approach Slope Indicator
VCOA.....	Visual Climb Over Airport
VDA.....	Vertical Descent Angle
VDP.....	Visual Descent Point
VFR.....	Visual Flight Rules
VGSI.....	Visual Glide Slope Indicator
VNAV.....	Vertical Navigation
VOR.....	Very High Frequency Omni-Directional Range
VORTAC.....	Very High Frequency Omni-Directional Range/Tactical Air Navigation
WAAS.....	Wide Area Augmentation System
WP/WPT.....	Waypoint

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SC-3, 12 JUN 2025 to 07 AUG 2025

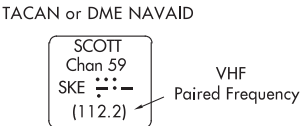
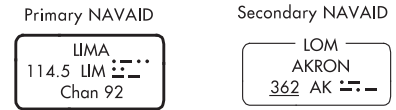
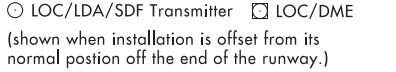
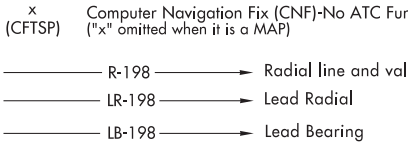
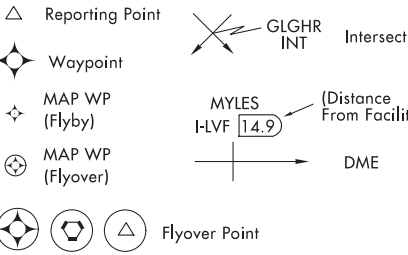
PLANVIEW SYMBOLS



Holding pattern with maximum restricted airspeed: (175K) applies to all altitudes. (210K) applies to altitudes above 6000' to and including 14000'. Arrival Holding Pattern altitude restrictions will be indicated when they deviate from the adjacent leg.

Timing or distance limits for Hold-in-lieu of Procedure Turn Holding Patterns will be shown. DME fixes may be shown.

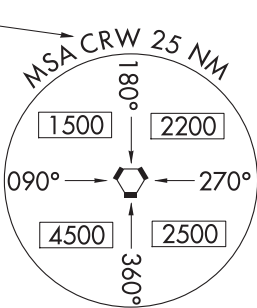
FIXES/ATC REPORTING REQUIREMENTS



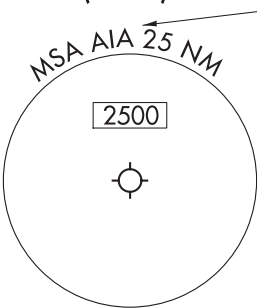
PLANVIEW SYMBOLS

MINIMUM SAFE ALTITUDE (MSA)

Facility Identifier

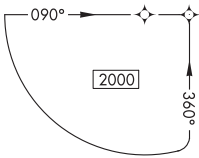
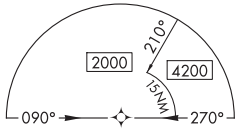


Airport Identifier

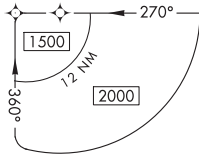


(arrows on distance circle identify sectors)

TERMINAL ARRIVAL AREA (TAA)



Right Base Area



Left Base Area

MISCELLANEOUS



VOR Changeover Point

RWY 15 S12° 00.52' W77° 06.91'

End of Rwy Coordinates (DoD only)



R-352

R-Restricted
P-Prohibited
MOA-Military Operations Area

W-Warning
A-Alert



Distance not to scale



International Boundary



Air Defense Identification Zone

AIRPORTS



Civil



Seaplane Base

(H) Heliport



Joint (Civil-Military)

OBSTACLES

• Spot Elevation

△ Obstacle

△ Highest Obstacle

• Highest Spot Elevation

△ Group of Obstacles

± Doubtful accuracy

LEGEND 24361

INSTRUMENT APPROACH PROCEDURES (CHARTS)

PROFILE VIEW

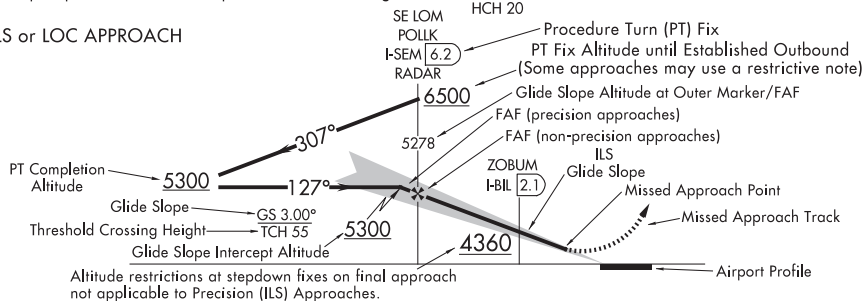
Three different methods are used to depict either electronic or vertical guidance: "GS", "GP", or "VDA".

1. "GS" indicates that an Instrument Landing System (ILS) electronic glide slope (a ground antenna) provides vertical guidance. The profile section of ILS procedures depict a GS angle and TCH in the following format: $\angle 3.00^\circ$ TCH 55

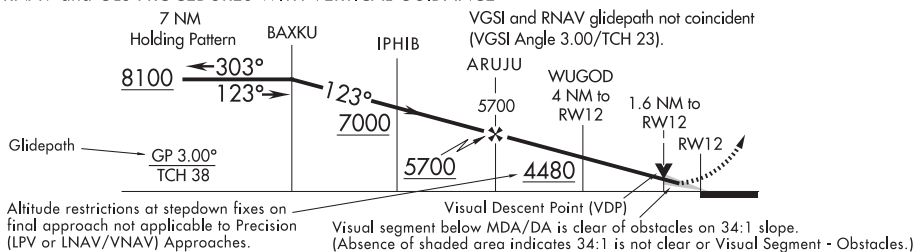
2. "GP" on GLS and RNAV procedures indicates that either electronic vertical guidance (via Wide Area Augmentation System - WAAS or Ground Based Augmentation System - GBAS) or barometric vertical guidance is provided. GLS and RNAV procedures with a published decision altitude (DA/H) depict a GP angle and TCH in the following format: $\angle 3.00^\circ$ TCH 50

3. An advisory vertical descent angle (VDA) is provided on non-vertically guided conventional procedures and RNAV procedures with only a minimum descent altitude (MDA) to assist in preventing controlled flight into terrain. On Civil (FAA) procedures, this information is placed above or below the procedure track following the fix it is based on. Absence of a VDA or a note that the VDA is not authorized indicates that the prescribed obstacle clearance surface is not clear and the VDA must not be used below MDA. VDA is depicted in the following format: $\angle 3.00^\circ$ TCH 55. On Copter procedures this is depicted in the following format: $\angle 7.30^\circ$ HCH 20

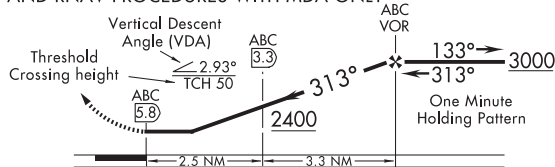
ILS or LOC APPROACH



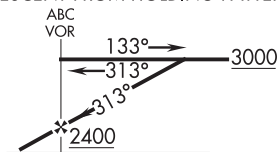
RNAV and GLS PROCEDURES WITH VERTICAL GUIDANCE



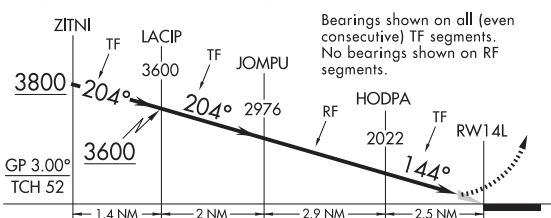
NON-VERTICALLY GUIDED CONVENTIONAL PROCEDURES AND RNAV PROCEDURES WITH MDA ONLY



DESCENT FROM HOLDING PATTERN



RNP APPROACH WITH TF AND RF SEGMENTS



Bearings shown on all (even consecutive) TF segments. No bearings shown on RF segments.

5500	Mandatory Altitude	3000	Recommended Altitude
2500	Minimum Altitude	5000	Mandatory Block
4300	Maximum Altitude	3000	Altitude

PROFILE SYMBOLS

	Glide Slope/Glidepath Intercept Altitude and final approach fix for vertically guided approach procedures.	Note: Facilities and waypoints are depicted as a solid vertical line while fixes and intersections are depicted as a dashed vertical line.
	Visual Descent Point (VDP)	
	Visual Flight Path	

LEGEND 24361

LEGEND 23334 STANDARD TERMINAL ARRIVAL (STAR) CHARTS

RADIO AIDS TO NAVIGATION

Compulsory:



Non-Compulsory:

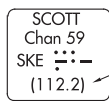


(T) indicates frequency protection range



Underline indicates no voice transmitted on this frequency

TACAN or DME NAVAID Box



VHF Paired Frequency

(Y) TACAN must be placed in "Y" mode to receive distance information

ROUTES

MAA FL200 Maximum Authorized Altitude
4500 MEA-Minimum Enroute Altitude
*3500 MOCA-Minimum Obstruction Clearance Altitude
270° Arrival Route

(65) Mileage between Radio Aids, Reporting Points, and Route Breaks

Transition Route

R-275 Radial line and value

..... Last Communications Track

V12

J80

Airway/Jet Route Identification



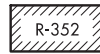
(IAS) Holding Pattern



Lost Comm Holding Pattern

Holding pattern with maximum restricted airspace (175K) applies to all altitudes (210K) applies to altitudes above 6000' to and including 14000'

SPECIAL USE AIRSPACE



R-Restricted

P-Prohibited

MOA-Military Operations Area

W-Warning

A-Alert

ALTITUDES

5500 Mandatory Altitude (Cross at)
2300 Minimum Altitude (Cross at or above)
4800 Maximum Altitude (Cross at or below)

15000
12000

Block Altitude

Altitude change at other than Radio Aids to Navigation

FIXES/ATC REPORTING REQUIREMENTS

→ Unnamed DME fix

▲ Reporting Point (Compulsory)

△ Reporting Point (Non-Compulsory)

→ Obvious DME (DME mileage matches route mileage)

(75) → DME Mileage (when not obvious)



Flyover Point

x (CFTSP)

Computer Navigation Fix (CNF) - No ATC Function

AIRPORTS

○ Civil ○ Military ○ (Civil-Military) Joint

Airports not served by the procedure shown in screened color

○ Civil ○ Military ○ (Civil-Military) Joint

MISCELLANEOUS

Changeover Point

..... Air Defense Identification Zone

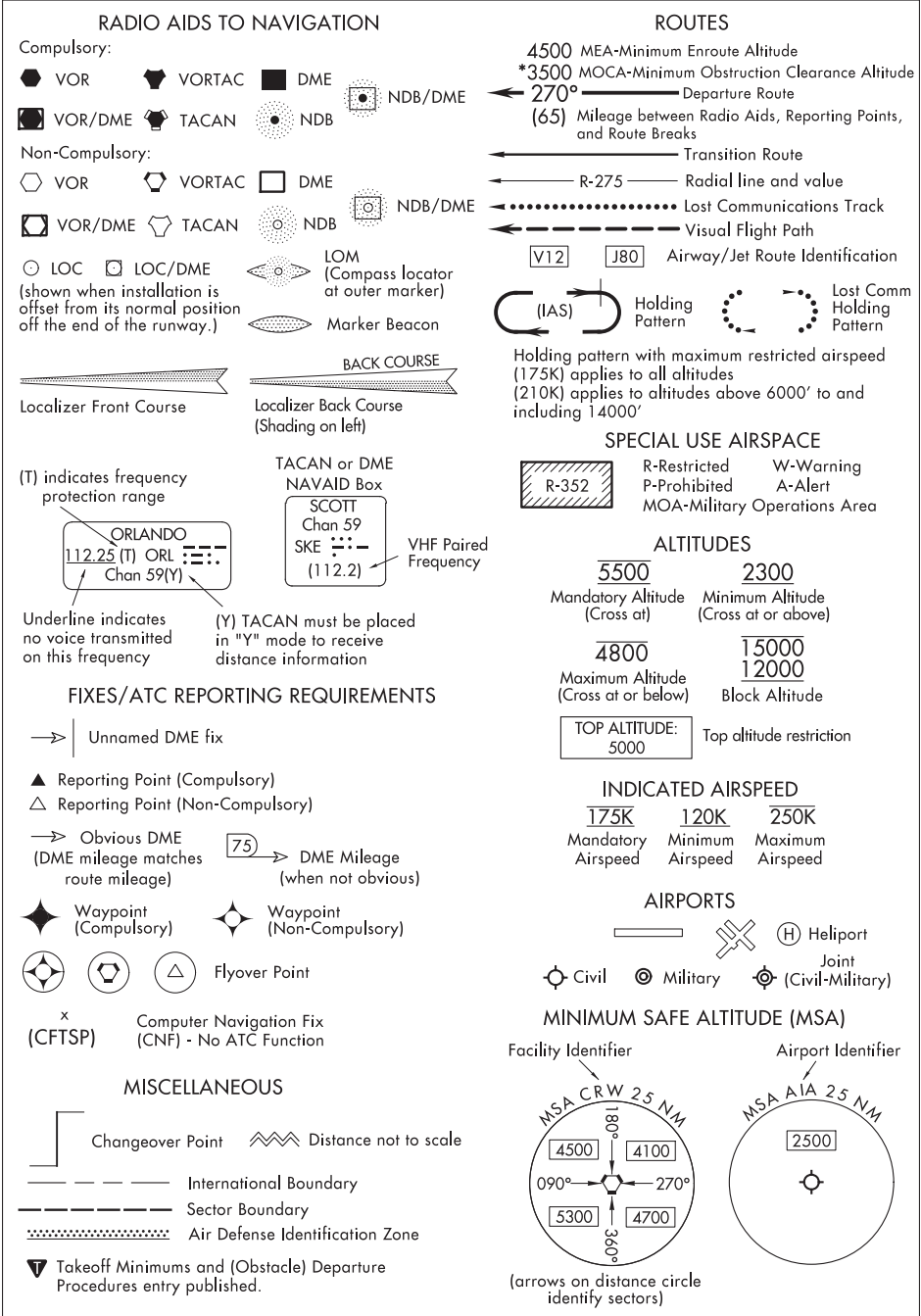
N

Indicates True North is not aligned to the top of the page

Ldg KLAS and KHND

Ldg Rwy 16L/C/R

Terminus identifier

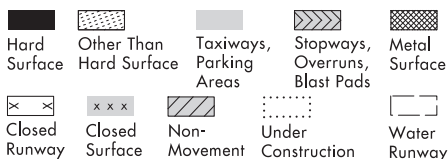


LEGEND

INSTRUMENT APPROACH PROCEDURES (CHARTS)

AIRPORT DIAGRAM/AIRPORT SKETCH

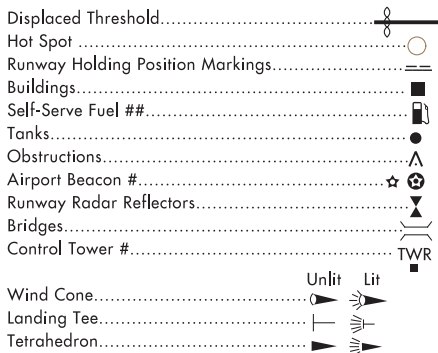
Runways



ARRESTING GEAR: Specific arresting gear systems; e.g., BAK12, MA-1A etc., shown on airport diagrams, not applicable to Civil Pilots. Military Pilots refer to appropriate DOD publications.

ARRESTING SYSTEM (EMAS)

REFERENCE FEATURES



When Control Tower and Rotating Beacon are co-located, Beacon symbol will be used and further identified as TWR.

See appropriate Chart Supplement for information.

Runway Weight Bearing Capacity or Pavement Classification Number (PCN)/Pavement Classification Rating (PCR) is shown as a codified expression. Refer to the appropriate Supplement/Directory for applicable codes e.g., RWY 14-32 PCR 560 R/B/W/T; S-75, D-185, 2D-325, 2D/2D2-1120

Helicopter Alighting Areas (H) (H) (H) (H) (H)

Negative Symbols used to identify Copter Procedures

landing point.....	Ⓜ	⊕	Ⓜ	Ⓜ	⊕
--------------------	---	---	---	---	---

NOTE:

Landmark features depicted on Copter Approach insets and sketches are provided for visual reference only.

Runway TDZ elevation.....TDZE 123

Runway Slope..... ← 0.3% Down.....0.8% UP →
(shown when rounded runway slope is $\geq 0.3\%$)

NOTE:

Runway Slope measured to midpoint on runways 8000 feet or longer.

U.S. Navy Optical Landing System (OLS) "OLS" location is shown because of its height of approximately 7 feet and proximity to edge of runway may create an obstruction for some types of aircraft

Approach light symbols are shown in the Flight Information Handbook.

Airport diagram scales are variable.

True/magnetic North orientation may vary from diagram to diagram

Coordinate values are shown in 1 or ½ minute increments. They are further broken down into 6 second ticks, within each 1 minute increments.

Positional accuracy within ± 600 feet unless otherwise noted on the chart.

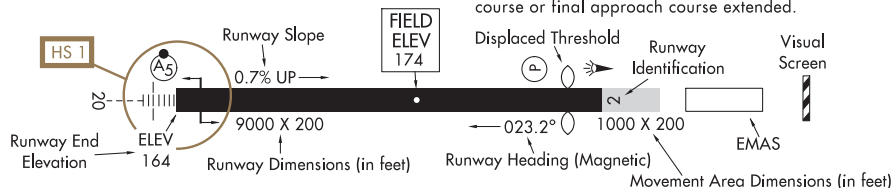
Runway length depicted is the physical length of the runway (end-to-end, including displaced thresholds if any) but excluding areas designated as stopways.

A **D** symbol is shown to indicate runway declared distance information available, see appropriate Chart Supplement for distance information.

NOTE:

All new and revised airport diagrams are shown referenced to the World Geodetic System (WGS) (noted on appropriate diagram), and may not be compatible with local coordinates published in DoD FLIP.
(Foreign Only)

The airport sketch box includes the final approach course or final approach course extended.



Airport diagrams are specifically designed to assist in the movement of ground traffic at locations with complex runway/taxiway configurations. Airport diagrams are not intended to be used for approach and landing or departure operations. For revisions to Airport Diagrams: Consult FAA Order 7910.4.

LEGEND

SC-3, 12 JUN 2025 to 07 AUG 2025

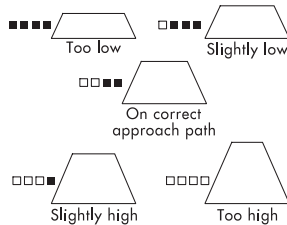
LEGEND 22195

INSTRUMENT APPROACH PROCEDURES (CHARTS)
APPROACH LIGHTING SYSTEM - UNITED STATES

Approach lighting and visual glide slope systems are indicated on the airport sketch by an identifier, (A₂), (V) etc.

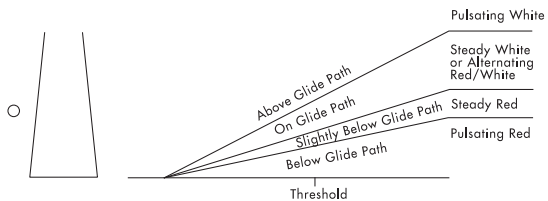
A dot "•" portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., (A₁). Negative symbology, e.g., (A₁), (V) indicates Pilot Controlled Lighting (PCL).

(P) **PRECISION APPROACH
PATH INDICATOR**

PAPI

Legend: □ White ■ Red

(V₂) **PULSATING VISUAL APPROACH
SLOPE INDICATOR**

PVASI

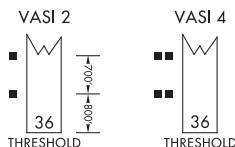
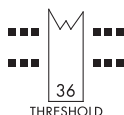
CAUTION: When viewing the pulsating visual approach slope indicators in the pulsating white or pulsating red sectors, it is possible to mistake this lighting aid for another aircraft or a ground vehicle. Pilots should exercise caution when using this type of system.

(V) **VISUAL APPROACH
SLOPE INDICATOR**

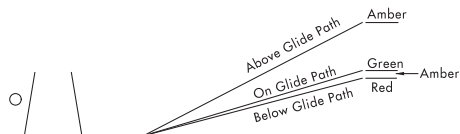
VASI

VISUAL APPROACH SLOPE INDICATOR WITH STANDARD THRESHOLD CLEARANCE PROVIDED.

ALL LIGHTS WHITE — TOO HIGH
FAR LIGHTS RED — ON GLIDE SLOPE
NEAR LIGHTS WHITE — TOO LOW
ALL LIGHTS RED — TOO LOW

**VASI 12**

(V₄) **TRI-COLOR VISUAL APPROACH
SLOPE INDICATOR**

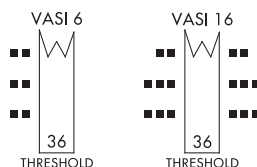
TRCV

CAUTION: When the aircraft descends from green to red, the pilot may see a dark amber color during the transition from green to red.

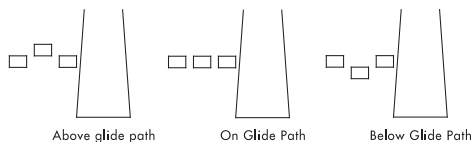
(V₃) **VISUAL APPROACH
SLOPE INDICATOR**

VASI

3-BAR, 6 OR 16 BOX, VISUAL APPROACH SLOPE INDICATOR THAT PROVIDES 2 GUIDE ANGLES AND 2 THRESHOLD CROSSING HEIGHTS.



(V₅)

ALIGNMENT OF ELEMENTS SYSTEMS**APAP**

Painted panels which may be lighted at night.
To use the system the pilot positions the aircraft so the elements are in alignment.

LEGEND 22195

SUPPLEMENTAL TABLES 25107

FREQUENCY PAIRING TABLE

TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY
17Y	108.05	40X	110.30	88Y	114.15
18X	108.10	40Y	110.35	89Y	114.25
18Y	108.15	41Y	110.45	90Y	114.35
19Y	108.25	42X	110.50	91Y	114.45
20X	108.30	42Y	110.55	92Y	114.55
20Y	108.35	43Y	110.65	93Y	114.65
21Y	108.45	44X	110.70	94Y	114.75
22X	108.50	44Y	110.75	95Y	114.85
22Y	108.55	45Y	110.85	96Y	114.95
23Y	108.65	46X	110.90	97Y	115.05
24X	108.70	46Y	110.95	98Y	115.15
24Y	108.75	47Y	111.05	99Y	115.25
25Y	108.85	48X	111.10	100Y	115.35
26X	108.90	48Y	111.15	101Y	115.45
26Y	108.95	49Y	111.25	102Y	115.55
27Y	109.05	50X	111.30	103Y	115.65
28X	109.10	50Y	111.35	104Y	115.75
28Y	109.15	51Y	111.45	105Y	115.85
29Y	109.25	52X	111.50	106Y	115.95
30X	109.30	52Y	111.55	107Y	116.05
30Y	109.35	53Y	111.65	108Y	116.15
31Y	109.45	54X	111.70	109Y	116.25
32X	109.50	54Y	111.75	110Y	116.35
32Y	109.55	55Y	111.85	111Y	116.45
33Y	109.65	56X	111.90	112Y	116.55
34X	109.70	56Y	111.95	113Y	116.65
34Y	109.75	80Y	113.35	114Y	116.75
35Y	109.85	81Y	113.45	115Y	116.85
36X	109.90	82Y	113.55	116Y	116.95
36Y	109.95	83Y	113.65	117Y	117.05
37Y	110.05	84Y	113.75	118Y	117.15
38X	110.10	85Y	113.85	119Y	117.25
38Y	110.15	86Y	113.95		
39Y	110.25	87Y	114.05		

See the Chart Supplement for a complete listing.

SUPPLEMENTAL TABLES 25107

SUPPLEMENTAL TABLES 25107

INSTRUMENT TAKEOFF AND APPROACH PROCEDURE CHARTS
RATE OF CLIMB TABLE
 (ft per min)

The rate of climb table is provided for use in planning and executing climbs with a known or approximate ground speed. Rates of climb in ft per min are monitored with a vertical speed indicator (VSI). The use of a climb rate should not be used if it will exceed the aircraft's operational limitations.

ft/NM	%	GROUND SPEED (knots)										
		60	90	120	150	180	210	240	270	300	330	360
152	2.50	152	228	304	380	456	532	608	684	760	836	912
200	3.29	200	300	400	500	600	700	800	900	1000	1100	1200
210	3.46	210	315	420	525	630	735	840	945	1050	1155	1260
220	3.62	220	330	440	550	660	770	880	990	1100	1210	1320
230	3.79	230	345	460	575	690	805	920	1035	1150	1265	1380
240	3.95	240	360	480	600	720	840	960	1080	1200	1320	1440
250	4.11	250	375	500	625	750	875	1000	1125	1250	1375	1500
260	4.28	260	390	520	650	780	910	1040	1170	1300	1430	1560
270	4.44	270	405	540	675	810	945	1080	1215	1350	1485	1620
280	4.61	280	420	560	700	840	980	1120	1260	1400	1540	1680
290	4.77	290	435	580	725	870	1015	1160	1305	1450	1595	1740
300	4.94	300	450	600	750	900	1050	1200	1350	1500	1650	1800
310	5.10	310	465	620	775	930	1085	1240	1395	1550	1705	1860
320	5.27	320	480	640	800	960	1120	1280	1440	1600	1760	1920
330	5.43	330	495	660	825	990	1155	1320	1485	1650	1815	1980
340	5.60	340	510	680	850	1020	1190	1360	1530	1700	1870	2040
350	5.76	350	525	700	875	1050	1225	1400	1575	1750	1925	2100
360	5.92	360	540	720	900	1080	1260	1440	1620	1800	1980	2160
370	6.09	370	555	740	925	1110	1295	1480	1665	1850	2035	2220
380	6.25	380	570	760	950	1140	1330	1520	1710	1900	2090	2280
390	6.42	390	585	780	975	1170	1365	1560	1755	1950	2145	2340
400	6.58	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400
450	7.41	450	675	900	1125	1350	1575	1800	2025	2250	2475	2700
500	8.23	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
550	9.05	550	825	1100	1375	1650	1925	2200	2475	2750	3025	3300

SUPPLEMENTAL TABLES 25107

SUPPLEMENTAL TABLES 25107

INSTRUMENT TAKEOFF AND APPROACH PROCEDURE CHARTS RATE OF DESCENT TABLE												
The rate of descent table is provided for use in planning and executing descents with a known or approximate ground speed. The descent chart may also be used to calculate a constant rate of descent in the final segment on a non-precision approach. This rate of descent is advisory only. Rates of descent in ft per min are monitored with a vertical speed indicator (VSI). The use of a descent rate should not be used if it will exceed the aircraft's operational limitations.												
ANGLE	ft/NM	GROUND SPEED (knots)										
		60	90	120	150	180	210	240	270	300	330	360
2.0	212	212	318	424	530	637	743	849	955	1061	1167	1273
2.5	265	265	398	531	663	796	929	1061	1194	1326	1459	1592
2.6	276	276	414	552	690	828	966	1104	1242	1380	1518	1655
2.7	287	287	430	573	716	860	1003	1146	1289	1433	1576	1719
2.8	297	297	446	594	743	892	1040	1189	1337	1486	1634	1783
2.9	308	308	462	616	770	923	1077	1231	1385	1539	1693	1847
3.0	318	318	478	637	796	955	1115	1274	1433	1592	1751	1911
3.1	329	329	494	658	823	987	1152	1316	1481	1645	1810	1974
3.2	340	340	510	679	849	1019	1189	1359	1529	1699	1868	2038
3.3	350	350	526	701	876	1051	1226	1401	1577	1752	1927	2102
3.4	361	361	541	722	902	1083	1263	1444	1624	1805	1985	2166
3.5	372	372	557	743	929	1115	1301	1487	1672	1858	2044	2230
3.6	382	382	573	765	956	1147	1338	1529	1720	1911	2103	2294
3.7	393	393	589	786	982	1179	1375	1572	1768	1965	2161	2358
3.8	404	404	605	807	1009	1211	1413	1614	1816	2018	2220	2421
3.9	414	414	621	828	1036	1243	1450	1657	1864	2071	2278	2485
4.0	425	425	637	850	1062	1275	1487	1700	1912	2124	2337	2549
4.5	478	478	717	956	1196	1435	1674	1913	2152	2391	2630	2869
5.0	532	532	797	1063	1329	1595	1861	2126	2392	2658	2924	3190
5.5	585	585	878	1170	1463	1755	2048	2340	2633	2925	3218	3510
6.0	639	639	958	1277	1597	1916	2235	2555	2874	3193	3512	3832
6.5	692	692	1038	1385	1731	2077	2423	2769	3115	3461	3808	4154
7.0	746	746	1119	1492	1865	2238	2611	2984	3357	3730	4103	4476
7.5	800	800	1200	1600	2000	2400	2800	3200	3600	4000	4400	4800
8.0	854	854	1281	1708	2135	2562	2989	3416	3843	4270	4697	5124
8.5	908	908	1362	1816	2270	2724	3178	3632	4086	4540	4994	5448
9.0	962	962	1444	1925	2406	2887	3368	3849	4331	4812	5293	5774
9.5	1017	1017	1525	2034	2542	3050	3559	4067	4576	5084	5592	6101
10.0	1071	1071	1607	2143	2678	3214	3750	4286	4821	5357	5893	6428

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NAME	PROC	SECT PG	NAME	PROC	SECT PG
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ALICE, TX

ALICE INTL(ALI)	
TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS	1
RNAV (GPS) RWY 13	2
RNAV (GPS) RWY 31	2
LOC/DME RWY 31	3
VOR RWY 31	4
VOR-A	5

ALPINE, TX

ALPINE-CASPARIS MUNI(E38)	
TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS	6
RNAV (GPS) RWY 19	6
RNAV (GPS) RWY 23	7
DPS	8
ODKAE ONE (OBSTACLE)	8

ARANSAS COUNTY
---SEE ROCKPORT, TX

AUSTIN, TX

AUSTIN EXEC(EDC)	
TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
STARS	22
BLEWE FIVE	22
POTRR TWO (RNAV)	220
SZAGI TWO (RNAV)	227
IAPS	10
RNAV (GPS) RWY 13	10
RNAV (GPS) RWY 31	11
AIRPORT DIAGRAM	12
DPS	13
AEROZ TWO (RNAV)	13
BNDIA THREE (RNAV)	14
ELOEL THREE (RNAV)	15
ILEXY FOUR (RNAV)	16
MUCKY THREE (RNAV)	17
SAYBR THREE (RNAV)	18
AUSTIN-BERGSTROM INTL(AUS)	
TAKEOFF MINIMUMS	L
HOT SPOT	P
STARS	22
BLEWE FIVE	22
DXEEE THREE (RNAV)	29
LAIKS FOUR (RNAV)	212
SEWZY SIX (RNAV)	225
SZAGI TWO (RNAV)	227
WLEEE SEVEN (RNAV)	231
IAPS	19
ILS OR LOC RWY 18L	19
ILS OR LOC RWY 18R	20
ILS OR LOC RWY 36L	21
ILS OR LOC RWY 36R	22
ILS RWY 18L (SA CAT I)	23
ILS RWY 36R (SA CAT I - II)	24
ILS RWY 18L (CAT II - III)	25
RNAV (RNP) Z RWY 18L	26
RNAV (RNP) Z RWY 18R	27
RNAV (RNP) Z RWY 36L	28
RNAV (RNP) Z RWY 36R	29
RNAV (GPS) Y RWY 18L	30
RNAV (GPS) Y RWY 18R	31
RNAV (GPS) Y RWY 36L	32
RNAV (GPS) Y RWY 36R	33
AIRPORT DIAGRAM	34
DPS	35
AEROZ TWO (RNAV)	35
AUSTIN SEVEN	36
BNDIA THREE (RNAV)	38
CENTEX EIGHT	39
ELOEL THREE (RNAV)	41
ILEXY FOUR (RNAV)	42
MUCKY THREE (RNAV)	43
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NAME	PROC	SECT PG	NAME	PROC	SECT PG
AUSTIN, TX					
SAN MARCOS RGNL(HYI)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
HOT SPOT		P			
STARS		Z2			
BLEWE FIVE		Z2			
GABOO ONE (RNAV)		Z10			
POTRR TWO (RNAV)		Z20			
SZAGI TWO (RNAV)		Z27			
IAPS					
ILS OR LOC RWY 13		46			
RNAV (GPS) RWY 08		47			
RNAV (GPS) RWY 13		48			
RNAV (GPS) RWY 17		49			
RNAV (GPS) RWY 26		50			
RNAV (GPS) RWY 31		51			
RNAV (GPS) RWY 35		52			
NDB RWY 13		53			
AIRPORT DIAGRAM		54			
DPS					
AEROTZ TWO (RNAV)		55			
BNDIA THREE (RNAV)		56			
ELOEL THREE (RNAV)		57			
ILEXY FOUR (RNAV)		58			
MUCKY THREE (RNAV)		59			
SAYBR THREE (RNAV)		60			
BALLINGER, TX					
BRUCE FLD(E30)					
TAKEOFF MINIMUMS		L			
IAPS					
RNAV (GPS) RWY 17		61			
RNAV (GPS) RWY 35		62			
BEEVILLE, TX					
BEEVILLE MUNI(BEA)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
IAPS					
RNAV (GPS) RWY 12		63			
RNAV (GPS) RWY 30		64			
VOR/DME RWY 12		65			
CHASE FLD INDUSTRIAL(TX2)					
IAPS					
RNAV (GPS) RWY 13		66			
RNAV (GPS) RWY 31		67			
BERCLAIR, TX					
---SEE GOLIAD NOLF					
BIG LAKE, TX					
REAGAN COUNTY(E41)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
IAPS					
RNAV (GPS) RWY 16		68			
BIGGS AAF (FORT BLISS)(KBIF)					
FORT BLISS, TX					
TAKEOFF MINIMUMS		L			
RADAR MINIMUMS		N			
IAPS					
ILS OR LOC RWY 22		69			
RNAV (GPS) RWY 22		70			
VOR OR TACAN RWY 22		71			
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BOERNE STAGE AIRFIELD					
---SEE SAN ANTONIO, TX					
BRADY, TX					
CURTIS FLD(BBD)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
IAPS					
RNAV (GPS) RWY 17		73			
RNAV (GPS) RWY 35		74			
BROOKS COUNTY					
---SEE FALFURRIAS, TX					
BROWNSVILLE, TX					
BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
IAPS					
ILS OR LOC RWY 13		75			
RNAV (GPS) RWY 13		76			
RNAV (GPS) RWY 18		77			
RNAV (GPS) RWY 31		78			
LOC BC RWY 31		79			
VOR OR TACAN-A		80			
AIRPORT DIAGRAM		81			
BROWNWOOD, TX					
BROWNWOOD RGNL(BWD)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
IAPS					
RNAV (GPS) RWY 17		82			
RNAV (GPS) RWY 35		83			
LOC RWY 17		84			
VOR RWY 17		85			
VOR RWY 35		86			
BRUCE FLD					
---SEE BALLINGER, TX					
BURNET, TX					
BURNET MUNI/KATE CRADDOCK FLD(BMQ)					
TAKEOFF MINIMUMS		L			
ALTERNATE MINIMUMS		M			
IAPS					
RNAV (GPS) RWY 01		87			
RNAV (GPS) RWY 19		88			
CAMERON COUNTY					
---SEE PORT ISABEL, TX					
CARRIZO SPRINGS, TX					
DIMMIT COUNTY(CZT)					
TAKEOFF MINIMUMS		L			
IAPS					
RNAV (GPS) RWY 13		89			
RNAV (GPS) RWY 31		90			

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CASTROVILLE, TX

CASTROVILLE MUNI(CVB)

TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
STARS	
CRVZA ONE (RNAV)	24
DNKIN ONE (RNAV)	27
POPPONE ONE (RNAV)	Z17
QERVO ONE (RNAV)	Z21
IAPS RNAV (GPS) RWY 16	91
RNAV (GPS) RWY 34	92
DPS ALISS SIX (RNAV)	93
SLENA ONE (RNAV)	94
SNIDR ONE (RNAV)	95
TJANO ONE (RNAV)	96
YODUH ONE (RNAV)	97

CHASE FLD INDUSTRIAL

---SEE BEEVILLE, TX

COLEMAN, TX

COLEMAN MUNI(COM)

TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS RNAV (GPS) RWY 15	98
RNAV (GPS) RWY 33	99

COMANCHE, TX

COMANCHE COUNTY-CITY(MKN)

TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS RNAV (GPS) RWY 17	100
RNAV (GPS) RWY 35	101

CORPUS CHRISTI, TX

CORPUS CHRISTI INTL(CRP)

TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS	
ILS OR LOC RWY 13	102
ILS OR LOC RWY 36	103
RNAV (RNP) Z RWY 13	104
RNAV (RNP) Z RWY 31	105
RNAV (RNP) Z RWY 36	106
RNAV (GPS) RWY 18	107
RNAV (GPS) X RWY 31	108
RNAV (GPS) Y RWY 13	109
RNAV (GPS) Y RWY 31	110
RNAV (GPS) Y RWY 36	111
LOC RWY 31	112
VOR OR TACAN RWY 18	113
AIRPORT DIAGRAM	114

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)

CORPUS CHRISTI, TX

TAKEOFF MINIMUMS	L
RADAR MINIMUMS	N
IAPS	
ILS Z OR LOC Z RWY 13R	115
ILS Y OR RNAV (GPS) RWY 13R	116
RNAV (GPS) RWY 04	117
RNAV (GPS) RWY 13L	118
RNAV (GPS) RWY 18	119
RNAV (GPS) RWY 22	120
RNAV (GPS) RWY 31L	121
RNAV (GPS) RWY 31R	122
RNAV (GPS) RWY 36	123
VOR/DME OR TACAN Y RWY 13R	124
VOR/DME OR TACAN Y RWY 31L	125
TACAN RWY 18	126
TACAN RWY 36	127
TACAN X RWY 31L	128
TACAN Z RWY 13R	129
TACAN Z RWY 31L	130
AIRPORT DIAGRAM	131

COTULLA, TX

COTULLA-LA SALLE COUNTY(COT)

TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS RNAV (GPS) RWY 13	132
RNAV (GPS) RWY 31	133
VOR-A	134

CULBERSON COUNTY

---SEE VAN HORN, TX

CURTIS FLD

---SEE BRADY, TX

DEL RIO, TX

DEL RIO INTL(DRT)

TAKEOFF MINIMUMS	L
ALTERNATE MINIMUMS	M
IAPS	
ILS OR LOC RWY 13	135
RNAV (GPS) RWY 13	136
VOR-A	137

DEL RIO, TX

---SEE LAUGHLIN AFB

DEVINE, TX

DEVINE MUNI(23R)

TAKEOFF MINIMUMS	L
IAPS RNAV (GPS) RWY 35	138
NDB RWY 35	139

DIMMIT COUNTY

---SEE CARRIZO SPRINGS, TX

DRAUGHON-MILLER CENTRAL TEXAS RGNL

---SEE TEMPLE, TX

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EAGLE PASS, TX

MAVERICK COUNTY MEML INTL(5T9)

TAKEOFF MINIMUMSL
IAPS RNAV (GPS) RWY 13140
RNAV (GPS) RWY 31	.....141

EDINBURG, TX

SOUTH TEXAS INTL AT EDINBURG(EBG)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS RNAV (GPS) RWY 14	.....142
RNAV (GPS) RWY 32	.....143

EDWARDS COUNTY

---SEE ROCKSPRINGS, TX

EL PASO, TX

EL PASO INTL(ELP)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
RADAR MINIMUMS	.....N
HOT SPOT	.....P
STARS	.....Z
BEAHR THREE (RNAV)	.....Z1
HSKNS ONE (RNAV)	.....Z11
MOLLY FIVE (RNAV)	.....Z16
SAMMR THREE (RNAV)	.....Z24
WAZKO ONE (RNAV)	.....Z28
IAPS ILS OR LOC RWY 22	.....144
RNAV (RNP) X RWY 08R	.....145
RNAV (RNP) Y RWY 04	.....146
RNAV (RNP) Y RWY 08R	.....147
RNAV (RNP) Z RWY 04	.....148
RNAV (RNP) Z RWY 22149
RNAV (RNP) Z RWY 26L150
RNAV (GPS) RWY 26R151
RNAV (GPS) X RWY 04152
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DPS ATKNN FIVE (RNAV)158
JCOXX TWO (RNAV)160
LATVE THREE (RNAV)161
NEVUE THREE (RNAV)163
TDOWN THREE (RNAV)	.....165

FALFURRIAS, TX

BROOKS COUNTY(BKS)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS RNAV (GPS) RWY 17	.....167
RNAV (GPS) RWY 35	.....168

FORT BLISS, TX

---SEE BIGGS AAF (FORT BLISS)

FORT CAVAZOS (KILLEEN), TX

ROBERT GRAY AAF(GRK)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
RADAR MINIMUMS	.....N
IAPS ILS OR LOC RWY 15	.....169
ILS OR LOC RWY 33	.....170
RNAV (GPS) RWY 15	.....171
RNAV (GPS) RWY 33	.....172
VOR RWY 15	.....173
VOR-A	.....174
COPTER VOR RWY 33	.....175
AIRPORT DIAGRAM	.....176
DPS CONRA THREE	.....177
LAMPS EIGHT	.....178

FORT CAVAZOS (KILLEEN), TX

---SEE YOAKUM-DEFRENN AHP

FORT STOCKTON, TX

FORT STOCKTON-PECOS COUNTY(FST)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS RNAV (GPS) RWY 12	.....179
RNAV (GPS) RWY 30	.....180
VOR RWY 12	.....181

FREDERICKSBURG, TX

GILLESPIE COUNTY(T82)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS RNAV (GPS) RWY 14	.....182
RNAV (GPS) RWY 32	.....183
VOR/DME-A	.....184

GARNER FLD

---SEE UVALDE, TX

GEORGE WEST, TX

LIVE OAK COUNTY(8T6)

TAKEOFF MINIMUMS	.....L
IAPS RNAV (GPS) RWY 13	.....185
VOR/DME-A	.....186

GEORGETOWN, TX

GEORGETOWN EXEC(GTU)

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
HOT SPOT	.....P
STARS	.....Z
POTRR TWO (RNAV)	.....Z20
SZAGI TWO (RNAV)	.....Z27
IAPS RNAV (GPS) RWY 11	.....187
RNAV (GPS) RWY 18	.....188
RNAV (GPS) RWY 29	.....189
RNAV (GPS) RWY 36	.....190
AIRPORT DIAGRAM	.....191
DPS AEROZ TWO (RNAV)	.....192
BNDIA THREE (RNAV)193
ELOEL THREE (RNAV)194
ILEXY FOUR (RNAV)195
MUCKY THREE (RNAV)196
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BERCLAIR, TX					
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	RNAV (GPS) RWY 17	199			
	RNAV (GPS) RWY 29	200			
	RNAV (GPS) RWY 35	201			
HAMILTON, TX					
HAMILTON MUNI(MNZ)					
	TAKEOFF MINIMUMS	L			
IAPS	RNAV (GPS) RWY 18	202			
	RNAV (GPS) RWY 36	203			
HARLINGEN, TX					
VALLEY INTL(HRL)					
	TAKEOFF MINIMUMS	L			
	ALTERNATE MINIMUMS	M			
	HOT SPOT	P			
IAPS	ILS OR LOC RWY 18R	204			
	ILS OR LOC RWY 36L	205			
	ILS RWY 18R (SA CAT I - II)	206			
	ILS RWY 36L (SA CAT I - II)	207			
	RNAV (RNP) Z RWY 13	208			
	RNAV (RNP) Z RWY 18R	209			
	RNAV (RNP) Z RWY 31	210			
	RNAV (RNP) Z RWY 36L	211			
	RNAV (GPS) RWY 18L	212			
	RNAV (GPS) RWY 36R	213			
	RNAV (GPS) Y RWY 13	214			
	RNAV (GPS) Y RWY 18R	215			
	RNAV (GPS) Y RWY 31	216			
	RNAV (GPS) Y RWY 36L	217			
	VOR RWY 18L	218			
	VOR RWY 18R	219			
	VOR RWY 36L	220			
	VOR Y OR TACAN RWY 31	221			
	VOR Z RWY 31	222			
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HEBBRONVILLE, TX					
JIM HOGG COUNTY(HBV)					
	TAKEOFF MINIMUMS	L			
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IAPS	RNAV (GPS) RWY 13	224			
HONDO, TX					
SOUTH TEXAS RGNL AT HONDO(HDO)					
	TAKEOFF MINIMUMS	L			
	ALTERNATE MINIMUMS	M			
IAPS	RNAV (GPS) RWY 17L	225			
	RNAV (GPS) RWY 35R	226			
INGLESIDE, TX					
INGLESIDE RGNL(TFP)					
	ALTERNATE MINIMUMS	M			
IAPS	RNAV (GPS) RWY 13	227			
	RNAV (GPS) RWY 31	228			
	AIRPORT DIAGRAM	229			
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---SEE HEBBRONVILLE, TX					
JUNCTION, TX					
KIMBLE COUNTY(JCT)					
	TAKEOFF MINIMUMS	L			
IAPS	RNAV (GPS) RWY 17	230			
	VOR-A	231			
KELLY FLD(KSKF)					
SAN ANTONIO, TX					
	TAKEOFF MINIMUMS	L			
	HOT SPOT	P			
STARS	CENTERPOINT TWO	Z3			
	CRVZA ONE (RNAV)	Z4			
	DNKIN ONE (RNAV)	Z7			
	LEMIG ONE	Z13			
	MARCS ONE	Z14			
	POPPO ONE (RNAV)	Z17			
	QERVO ONE (RNAV)	Z21			
	STONEWALL TWO	Z26			
IAPS	ILS OR LOC/DME Y RWY 16	232			
	ILS OR LOC/DME Y RWY 34	233			
	RNAV (GPS) RWY 16	234			
	RNAV (GPS) RWY 34	235			
	TACAN Y RWY 16	236			
	TACAN Y RWY 34	237			
	AIRPORT DIAGRAM	238			
DPS	ALISS SIX (RNAV)	239			
	SLENA ONE (RNAV)	240			
	SNIDR ONE (RNAV)	241			
	TJANO ONE (RNAV)	242			
	YODUH ONE (RNAV)	243			
KENEDY, TX					
KENEDY RGNL(2R9)					
	TAKEOFF MINIMUMS	L			
	ALTERNATE MINIMUMS	M			
IAPS	RNAV (GPS) RWY 16	244			
	RNAV (GPS) RWY 34	245			
KERRVILLE, TX					
KERRVILLE MUNI/LOUIS SCHREINER FLD(ERV)					
	TAKEOFF MINIMUMS	L			
	ALTERNATE MINIMUMS	M			
IAPS	RNAV (GPS) RWY 12	246			
	RNAV (GPS) RWY 30	247			
	LOC RWY 30	248			
	VOR-A	249			
KILLEEN, TX					
SKYLARK FLD(ILE)					
	TAKEOFF MINIMUMS	L			
IAPS	RNAV (GPS) RWY 01	250			
	LOC RWY 01	251			
	VOR-A	252			
DPS	CONRA THREE	253			
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KIMBLE COUNTY					
---SEE JUNCTION, TX					
KINGSVILLE, TX					
KLEBERG COUNTY(IKG)					

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KINGSVILLE NAS(KNQI)**KINGSVILLE, TX**

TAKEOFF MINIMUMSL
RADAR MINIMUMSN
IAPS	ILS X OR LOC X RWY 13R256
	ILS Z OR LOC Z RWY 13R .....257
	TACAN RWY 13L/R .....258
	TACAN RWY 17L .....259
	TACAN RWY 31L/R .....260
	TACAN Y RWY 17R .....261
	TACAN Y RWY 35R262
	TACAN Z RWY 17R263
AIRPORT DIAGRAM264
DPS	KINGSVILLE FOUR265

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TAKEOFF MINIMUMSL
ALTERNATE MINIMUMSM
STARS	BLEWE FIVE22
	GABOO ONE (RNAV)210
	POTRR TWO (RNAV) .....220
	SZAGI TWO (RNAV) .....227
IAPS	RNAV (GPS) RWY 15 .....267
DPS	AEROZ TWO (RNAV) .....268
	BNDIA THREE (RNAV) .....269
	ELOEL THREE (RNAV) .....270
	IEXY FOUR (RNAV) .....271
	MUCKY THREE (RNAV) .....272
	SAYBR THREE (RNAV)273

LAJITAS, TX**LAJITAS INTL(T89)**

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS	RNAV (GPS) RWY 07 .....274
	RNAV (GPS) Y RWY 25 .....275
	RNAV (GPS) Z RWY 25 .....276
DPS	MARFA TWO (OBSTACLE) (RNAV)277

LAKEWAY, TX**LAKEWAY AIRPARK(3R9)**

TAKEOFF MINIMUMS	.....L
STARS	BLEWE FIVE .....22
	GABOO ONE (RNAV) .....210
	POTRR TWO (RNAV) .....220
	SZAGI TWO (RNAV) .....227
IAPS	RNAV (GPS) RWY 16 .....278
DPS	AEROZ TWO (RNAV) .....279
	BNDIA THREE (RNAV) .....280
	ELOEL THREE (RNAV) .....281
	IEXY FOUR (RNAV) .....282
	MUCKY THREE (RNAV) .....283
	SAYBR THREE (RNAV)284

LAMPASAS, TX**LAMPASAS(LZZ)**

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS	RNAV (GPS) RWY 34 .....285
	VOR-A286

LAREDO, TX**LAREDO INTL(LRD)**

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS	ILS OR LOC RWY 18R .....287
	RNAV (GPS) RWY 14 .....288
	RNAV (GPS) RWY 18L .....289
	RNAV (GPS) RWY 18R .....290
	RNAV (GPS) RWY 32 .....291
	RNAV (GPS) RWY 36L .....292
	LOC BC RWY 36L .....293
	VOR OR TACAN RWY 14 .....294
	VOR OR TACAN RWY 32 .....295
AIRPORT DIAGRAM	.....296

LAUGHLIN AFB(KDLF)**DEL RIO, TX**

TAKEOFF MINIMUMS	.....L
STARS	WEBBOX FOUR .....230
IAPS	ILS OR LOC/DME Y RWY 13C .....297
	ILS OR LOC/DME Y RWY 31C .....298
	RNAV (GPS) RWY 13C .....299
	RNAV (GPS) RWY 31C .....300
	RNAV (GPS)-B .....301
	VOR/DME RWY 13C .....302
	VOR/DME RWY 31C .....303
AIRPORT DIAGRAM	.....304
DPS	HINKO ONE .....305
	LAUGHLIN ONE306

LIVE OAK COUNTY**---SEE GEORGE WEST, TX****LLANO, TX****LLANO MUNI(AQO)**

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS	RNAV (GPS) RWY 17 .....307
	RNAV (GPS) RWY 35308

LOCKHART, TX**LOCKHART MUNI(50R)**

TAKEOFF MINIMUMS	.....L
IAPS	RNAV (GPS) RWY 18 .....309
	RNAV (GPS) RWY 36310

MARFA, TX**MARFA MUNI(MRF)**

TAKEOFF MINIMUMS	.....L
ALTERNATE MINIMUMS	.....M
IAPS	RNAV (GPS) RWY 31 .....311
	VOR RWY 31312

MASON, TX**MASON COUNTY(T92)**

TAKEOFF MINIMUMSL
IAPS	RNAV (GPS) RWY 18313
	RNAV (GPS) RWY 36314

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SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. An entry may also be listed that contains only Takeoff Obstacle Notes. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or RADAR vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow RADAR vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

ALICE, TX

ALICE INTL (ALI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 07SEP23 (23250) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 205' from DER, 254' left of centerline, up to 194' MSL.

Tree 403' from DER, 316' right of centerline, 194' MSL.

Poles beginning 601' from DER, 179' right of centerline, up to 34' AGL/204' MSL.

Tree, poles beginning 618' from DER, 139' left of centerline, up to 203' MSL.

Rwy 31, pole 2' from DER, 251' right of centerline, 4' AGL/181' MSL.

Building 159' from DER, 44' left of centerline, 187' MSL.

Vertical structure, tree beginning 388' from DER, 256' left of centerline, up to 199' MSL.

Tree 1072' from DER, 358' right of centerline, 207' MSL.

Rwy 35, vegetation 330' from DER, 287' right of centerline, 185' MSL.

Tree 1154' from DER, 69' right of centerline, 202' MSL.

Windmill 1461' from DER, 164' left of centerline, 42' AGL/214' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

ALPINE, TX

ALPINE-CASPARIS MUNI (E38)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 27JAN22 (22027) (FAA)

DEPARTURE PROCEDURE:

Use ODKAE DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 1, fence 9' from DER, 283' left of centerline, 9' AGL/4458' MSL.

Sign 13' from DER, 239' right of centerline, 4452' MSL.

Vehicle on road 85' from DER, 278' left of centerline, 15' AGL/4463' MSL.

Pole 811' from DER, 470' right of centerline, 4470' MSL.

Rwy 5, sign 13' from DER, 239' left of centerline, 4452' MSL.

Sign 18' from DER, 164' right of centerline, 4453' MSL.

Antenna, vehicle on road, pole beginning 21' from DER, 400' right of centerline, up to 25' AGL/4474' MSL.

Tree 190' from DER, 468' left of centerline, 11' AGL/4455' MSL.

Trees beginning 292' from DER, 475' left of centerline, up to 19' AGL/4462' MSL.

Poles, tree beginning 480' from DER, 187' right of centerline, up to 4478' MSL.

Pole 612' from DER, 626' left of centerline, 33' AGL/4472' MSL.

Pole 1060' from DER, 658' left of centerline, 4476' MSL.

Rwy 19, vehicle on road, sign, tree beginning 1' from DER, 165' left of centerline, up to 4526' MSL.

Terrain 57' from DER, 121' right of centerline, 4516' MSL.

Vehicle on road 74' from DER, 276' right of centerline, 15' AGL/4531' MSL.

Vehicle on road 230' from DER, 290' left of centerline, 4527' MSL.

Vehicles on road beginning 293' from DER, 277' right of centerline, up to 4535' MSL.

Vehicles on road beginning 379' from DER, 265' right of centerline, up to 4536' MSL.

Vehicle on road 420' from DER, 289' left of centerline, 4528' MSL.

Pole 536' from DER, 573' left of centerline, 4548' MSL.

Windmill, vehicle on road, poles, tree beginning 548' from DER, 183' left of centerline, up to 4554' MSL.

Poles beginning 1325' from DER, 60' right of centerline, up to 4561' MSL.

Poles beginning 1334' from DER, 279' left of centerline, up to 4556' MSL.

Pole 1565' from DER, 689' right of centerline, 4562' MSL.

Terrain 2.4 NM from DER, 2888' left of centerline, 4927' MSL.

AUSTIN, TX

AUSTIN-BERGSTROM INTL (AUS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 22APR21 (21112) (FAA)

DEPARTURE PROCEDURE:

Rwy 36L, climb on heading 355° to 1700 before turning left.**Rwy 36R**, climb on heading 355° to 1300 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 18L, lighting 10' from DER, 4' right of centerline, 1' AGL/475' MSL.

Trees beginning 491' from DER, 560' left of centerline, up to 43' AGL/499' MSL.

Tree 552' from DER, 641' right of centerline, 29' AGL/494' MSL.

Trees beginning 562' from DER, 487' left of centerline, up to 44' AGL/501' MSL.

Tree 617' from DER, 571' right of centerline, 37' AGL/495' MSL.

Trees beginning 643' from DER, 472' left of centerline, up to 517' MSL.

Tree 674' from DER, 647' right of centerline, 50' AGL/499' MSL.

Trees beginning 721' from DER, 523' right of centerline, up to 50' AGL/504' MSL.

Trees beginning 756' from DER, 495' right of centerline, up to 64' AGL/508' MSL.

Tree 1750' from DER, 523' right of centerline, 75' AGL/519' MSL.

Tree 1899' from DER, 810' right of centerline, 75' AGL/526' MSL.

Tree 2165' from DER, 458' right of centerline, 85' AGL/529' MSL.

Rwy 18R, lighting, sign beginning 10' from DER, 4' left of centerline, up to 2' AGL/489' MSL.

Tree 1006' from DER, 730' right of centerline, 519' MSL.

Trees beginning 1919' from DER, 541' left of centerline, up to 93' AGL/545' MSL.

Rwy 36L, lighting beginning 5' from DER, 5' right of centerline, up to 1' AGL/543' MSL.**Rwy 36R**, lighting 10' from DER, 5' left of centerline, 1' AGL/493' MSL.

Tree 816' from DER, 663' right of centerline, 528' MSL.

AUSTIN EXEC (EDC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 17AUG17 (21112) (FAA)

TAKEOFF MINIMUMS:

Rwys 16, 34, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 31, pole and trees beginning 900' from DER, 258' left of centerline, up to 669' MSL.

Transmission line tower 1931' from DER, 911' right of centerline, 83' AGL/670' MSL.

Transmission line tower 2325' from DER, 878' right of centerline, 89' AGL/682' MSL.

Poles beginning 2362' from DER, 590' right of centerline, up to 113' AGL/707' MSL.

Transmission line tower 2568' from DER, 1159' left of centerline, 77' AGL/697' MSL.

Transmission line tower 3692' from DER, 437' left of centerline, 122' AGL/728' MSL.

Transmission line tower 4411' from DER, 1110' left of centerline, 135' AGL/749' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

AUSTIN, TX (CON'T)

SAN MARCOS RGNL (HYI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 17AUG17 (17229) (FAA)

DEPARTURE PROCEDURE:

Rwy 31, climb heading 306° to 1500 before turning right.**Rwy 35**, climb heading 006° to 2500 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 8, sign 1' from DER, 250' left of centerline, 3' AGL/583' MSL.

Tree 942' from DER, 259' left of centerline, 612' MSL.

Rwy 13, tree 2505' from DER, 194' right of centerline, 71' AGL/637' MSL.

Tree 2615' from DER, 90' right of centerline, 75' AGL/639' MSL.

Trees beginning 2639' from DER, 139' right of centerline, up to 80' AGL/646' MSL.

Rwy 17, bush 26' from DER, 74' left of centerline, 2' AGL/576' MSL.**Rwy 26**, REIL 9' from DER, 90' right of centerline, 4' AGL/589' MSL.

Tree 1073' from DER, 684' right of centerline, 621' MSL.

Poles and trees beginning 1206' from DER, 394' right of centerline, up to 50' AGL/638' MSL.

Rwy 31, trees beginning 912' from DER, 613' right of centerline, up to 622' MSL.

Pole and tree beginning 1046' from DER, 630' right of centerline, up to 34' AGL/631' MSL.

Tree 1287' from DER, 718' left of centerline, 627' MSL.

Rwy 35, sign 25' from DER, 198' left of centerline, 3' AGL/597' MSL.

Tree 2562' from DER, 1113' left of centerline, 659' MSL.

Tree 3227' from DER, 162' left of centerline, 54' AGL/676' MSL.

Trees beginning 3540' from DER, 51' left of centerline, up to 52' AGL/687' MSL.

Tree 3655' from DER, 362' right of centerline, 54' AGL/692' MSL.

Trees beginning 3664' from DER, 11' right of centerline, up to 54' AGL/693' MSL.

Tree 3727' from DER, 81' left of centerline, 52' AGL/688' MSL.

Tree 3741' from DER, 94' left of centerline, 52' AGL/690' MSL.

Tree 3972' from DER, 40' left of centerline, 48' AGL/696' MSL.

Tree 4131' from DER, 37' right of centerline, 42' AGL/699' MSL.

Tree 4146' from DER, 33' right of centerline, 43' AGL/700' MSL.

Pole and trees beginning 4150' from DER, 15' right of centerline, up to 44' AGL/702' MSL.

Tree 4209' from DER, 10' left of centerline, 39' AGL/701' MSL.

Tree 4222' from DER, 73' right of centerline, 42' AGL/704' MSL.

Tree 4225' from DER, 25' left of centerline, 38' AGL/702' MSL.

Trees beginning 4229' from DER, 35' right of centerline, up to 47' AGL/708' MSL.

Trees beginning 4406' from DER, 160' right of centerline, up to 36' AGL/709' MSL.

Trees beginning 4426' from DER, 278' right of centerline, up to 36' AGL/711' MSL.

Pole, buildings, and trees beginning 4435' from DER, 123' right of centerline, up to 47' AGL/720' MSL.

Pole 4450' from DER, 16' left of centerline, 36' AGL/707' MSL.

Pole, telephone line, and trees beginning 4554' from DER, 10' right of centerline, up to 35' AGL/722' MSL.

Tree 4785' from DER, 1629' left of centerline, 716' MSL.

Trees beginning 5071' from DER, 1533' left of centerline, up to 49' AGL/738' MSL.

BALLINGER, TX

BRUCE FLD (E30)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 22SEP11 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 1902' from DER, 661' right of centerline, up to 100' AGL/1859' MSL.**Rwy 35**, trees, building, and road beginning 29' from DER, 210' left of centerline, up to 100' AGL/1839' MSL.

Tree and poles beginning 887' from DER, 429' right of centerline, up to 37' AGL/1772' MSL.

BEEVILLE, TX

BEEVILLE MUNI (BEA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwys 18, 36, NA-environmental.**Rwy 30**, 300-2 or std. w/ min. climb of 239' per NM to 700.

TAKEOFF OBSTACLE NOTES:

Rwy 12, pole, and trees beginning 64' from DER, 290' right of centerline, up to 29' AGL/272' MSL.

Tree, road, and pole beginning 153' from DER, 9' right of centerline, up to 33' AGL/275' MSL.

Trees beginning 756' from DER, 50' left of centerline, up to 279' MSL.

Trees and pole beginning 933' from DER, 30' right of centerline, up to 282' MSL.

Rwy 30, pole, tree, and building beginning 117' from DER, 290' left of centerline, up to 32' AGL/301' MSL.

Tree 1054' from DER, 574' left of centerline, 307' MSL.

Tree 1835' from DER, 452' right of centerline, 319' MSL.

Pole and trees beginning 1875' from DER, 287' left of centerline, up to 323' MSL.

Tree beginning 1907' from DER, 246' right of centerline, up to 53' AGL/339' MSL.

Trees and poles beginning 1934' from DER, 100' left of centerline, up to 336' MSL.

Tower 1.4 NM from DER, 2568' right of centerline, 230' AGL/542' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

BIG LAKE, TX

REAGAN COUNTY (E41)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:

Rwys 9, 27, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 16, climb on heading 161° to 3300 before turning left

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees, poles beginning 345' from DER, 148' right of centerline, up to 100' AGL/2809' MSL.

Trees, poles beginning 620' from DER, 267' left of centerline, up to 100' AGL/2809' MSL.

Trees beginning 3664' from DER, 1042' right of centerline, up to 100' AGL/2819' MSL.

Trees beginning 4050' from DER, 1261' right of centerline, up to 100' AGL/2829' MSL.

Rwy 34, trees beginning 350' from DER, 525' right of centerline, up to 100' AGL/2799' MSL.

BIGGS AAF (KBFI)

FORT BLISS, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 30NOV23 (23334) (USA)

DEPARTURE PROCEDURE:

Rwy 4, climbing right turn to intercept ELP VORTAC R-330 to ELP, thence...**Rwy 22**, climbing left turn to intercept ELP VORTAC R-240 to ELP, thence...

Continue climb in ELP holding pattern (hold east, left turns, 261° inbound) to cross ELP at or above MEA for route of flight before proceeding on course. Procedure NA for TACAN-only equipped aircraft.

TAKEOFF OBSTACLE NOTES:

Rwy 22, twr 1980' from DER, 841' left of centerline, 63' AGL/3962' MSL.

BRADY, TX

CURTIS FLD (BBD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14FEB08 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwys 8, 26, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 17, Light poles, trees, fence, terrain, and vehicle on road beginning 50' from DER, 362' left of centerline, up to 30' AGL/1827' MSL.

Trees beginning 17' from DER, 216' right of centerline, up to 30' AGL/1818' MSL.

BROWNSVILLE, TX

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13OCT16 (16287) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees and bushes beginning 32' from DER, 399' left of centerline, up to 30' AGL/50' MSL.

Trees, bushes, pole and building beginning 751' from DER, 191' right of centerline, up to 44' AGL/64' MSL.

Rwy 18, trees and pole beginning 58' from DER, 61' left of centerline, up to 53' AGL/78' MSL.

Trees and poles beginning 1011' from DER, 96' right of centerline, up to 44' AGL/69' MSL.

Rwy 31, airplanes on taxiway beginning 371' from DER, 563' right of centerline, up to 45' AGL/64' MSL.

Trees beginning 1141' from DER, 567' right of centerline, up to 37' AGL/52' MSL.

Rwy 36, pole and trees beginning 695' from DER, 140' right of centerline, up to 56' AGL/71' MSL.

Trees beginning 719' from DER, 84' left of centerline, up to 63' AGL/78' MSL.

BROWNWOOD, TX

BROWNWOOD RGNL (BWD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20OCT11 (11293) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 1523' from DER, 844' right of centerline, up to 47' AGL/1412' MSL.**Rwy 17**, trees beginning 797' from DER, 649' left of centerline, up to 33' AGL/1398' MSL.

Trees beginning 691' from DER, 640' right of centerline, up to 31' AGL/1393' MSL.

Building 737' from DER, 253' right of centerline, 29' AGL/1391' MSL.

Rwy 35, trees beginning 77' from DER, 272' left of centerline, up to 49' AGL/1411' MSL.

Trees beginning 771' from DER, 282' right of centerline, up to 46' AGL/1418' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

BURNET, TX

BURNET MUNI/KATE CRADDOCK FLD (BMQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 23FEB23 (23054) (FAA)

DEPARTURE PROCEDURE:

Rwy 1, climb on heading 013° to 1700 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 502' from DER, 28' left of centerline, up to 55' AGL/1355' MSL.

Trees beginning 1160' from DER, 52' right of centerline, up to 55' AGL/1335' MSL.

Trees beginning 1502' from DER, 30' left of centerline, up to 55' AGL/1375' MSL.

Rwy 19, trees beginning 158' from DER, 63' left of centerline, up to 55' AGL/1286' MSL.

Trees beginning 1194' from DER, 15' right of centerline, up to 55' AGL/1315' MSL.

CARRIZO SPRINGS, TX

DIMMIT COUNTY (CZT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 20APR23 (23110) (FAA)

DEPARTURE PROCEDURE:

Rwy 31, climb on heading 307° to 1200 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 13, fence 9' from DER, 370' right of centerline, 593' MSL.

Tree 81' from DER, 466' left of centerline, 594' MSL.

Tree 237' from DER, 413' right of centerline, 597' MSL.

Tree 267' from DER, 453' left of centerline, 598' MSL.

Trees beginning 422' from DER, 54' right of centerline, up to 603' MSL.

Rwy 31, fence 4' from DER, 352' left of centerline, 604' MSL.

Trees, buildings beginning 56' from DER, 90' right of centerline, up to 640' MSL.

Tree 224' from DER, 537' left of centerline, 644' MSL.

Tree, building beginning 326' from DER, 442' left of centerline, up to 645' MSL.

Tree 1101' from DER, 724' left of centerline, 665' MSL.

Trees beginning 1276' from DER, 255' left of centerline, up to 669' MSL.

CASTROVILLE, TX

CASTROVILLE MUNI (CVB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15OCT15 (15288) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees beginning 103' from DER, 361' left of centerline, up to 50' AGL/787' MSL.

Trees beginning 221' from DER, 347' right of centerline, up to 50' AGL/794' MSL.

Rwy 34, agriculture equipment beginning 1' from DER, 55' left of centerline, up to 15' AGL/790' MSL.

Road beginning 107' from DER, left and right of centerline, 15' AGL/789' MSL.

Trees beginning 1928' from DER, 5' right of centerline, up to 50' AGL/838' MSL.

Trees beginning 2322' from DER, 685' left of centerline, up to 50' AGL/851' MSL.

Pole 1483' from DER, 834' right of centerline, 37' AGL/816' MSL.

Pole 2255' from DER, 247' right of centerline, 52' AGL/831' MSL.

Antenna on silo 2239' from DER, 911' left of centerline, 88' AGL/870' MSL.

COLEMAN, TX

COLEMAN MUNI (COM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 20FEB25 (25051) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, fence 28' from DER, 315' left of centerline, 1681' MSL.

Fence beginning 36' from DER, 393' right of centerline, up to 7' AGL/1685' MSL.

Vehicles on road beginning 440' from DER, 340' right of centerline, up to 1694' MSL.

Trees beginning 730' from DER, 28' right of centerline, up to 1700' MSL.

Rwy 33, pole 2' from DER, 17' right of centerline, 1698' MSL.

Vehicles on road 6' from DER, 499' left of centerline, 15' AGL/1714' MSL.

Pole, vehicles on road, tree beginning 88' from DER, 30' left of centerline, up to 1724' MSL.

Trees, vehicles on road beginning 485' from DER, 382' right of centerline, up to 1724' MSL.

Trees, pole beginning 561' from DER, 339' right of centerline, up to 1736' MSL.

Trees beginning 680' from DER, 531' left of centerline, up to 1730' MSL.

Trees, poles beginning 808' from DER, 501' left of centerline, up to 1740' MSL.

Poles, building beginning 1045' from DER, 253' left of centerline, up to 1743' MSL.

Crane, poles beginning 1918' from DER, 120' left of centerline, up to 42' AGL/1755' MSL.

Pole 2279' from DER, 9' right of centerline, 45' AGL/1757' MSL.

Pole 2340' from DER, 464' left of centerline, 42' AGL/1756' MSL.

Trees 4408' from DER, 1667' left of centerline, 100' AGL/1820' MSL.

Trees 4792' from DER, 1774' left of centerline, 100' AGL/1823' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

COMANCHE, TX

COMANCHE COUNTY-CITY (MKN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 30JAN20 (20030) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 173° to 2000 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 17, building, terrain, tree, vehicle on road beginning 32' from DER, 260' right of centerline, up to 1395' MSL.

Terrain, trees, pole beginning 191' from DER, 310' left of centerline, up to 1411' MSL.

Trees, pole beginning 718' from DER, 20' left of centerline, up to 1425' MSL.

Pole, trees, building beginning 784' from DER, 25' right of centerline, up to 1419' MSL.

Trees, poles beginning 1090' from DER, 25' left of centerline, up to 1430' MSL.

Tree 1382' from DER, 280' right of centerline, 1422' MSL.

Trees, poles beginning 1451' from DER, 18' right of centerline, up to 1436' MSL.

Tree 2280' from DER, 70' right of centerline, 1438' MSL.

Tree 2291' from DER, 83' left of centerline, 1436' MSL.

Trees beginning 2334' from DER, 155' right of centerline, up to 1444' MSL.

Trees beginning 2378' from DER, 56' right of centerline, up to 1446' MSL.

Trees beginning 2379' from DER, 74' left of centerline, up to 1438' MSL.

Tree 2463' from DER, 294' right of centerline, 1448' MSL.

Trees, pole beginning 2467' from DER, 62' right of centerline, up to 1463' MSL.

Tree 2558' from DER, 19' left of centerline, 1443' MSL.

Tree 2757' from DER, 314' left of centerline, 1446' MSL.

Tree 3120' from DER, 344' left of centerline, 1461' MSL.

Trees beginning 3132' from DER, 246' left of centerline, up to 1466' MSL.

Rwy 35, tree 54' from DER, 354' left of centerline, 1406' MSL.

Tree 481' from DER, 345' right of centerline, 1404' MSL.

Trees beginning 489' from DER, 436' right of centerline, up to 1408' MSL.

CORPUS CHRISTI, TX

CORPUS CHRISTI INTL (CRP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 400-2¾ or std. w/ min. climb of 235' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 31, Climb heading 312° to 600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicles on road and wind cone beginning 2' from DER, 260' right of centerline, up to 53' MSL.

Vehicles on road 69' from DER, 337' right of centerline, 54' MSL.

Rwy 18, vehicles on road beginning 301' from DER, 103' left of centerline, up to 53' MSL.

Rwy 31, vehicles on road 22' from DER, 65' right of centerline, 58' MSL.

Poles beginning 765' from DER, 616' right of centerline, up to 36' AGL/75' MSL.

Rwy 36, vehicles on road beginning 261' from DER, 444' right of centerline, up to 52' MSL.

Vehicles on road 490' from DER, 604' left of centerline, 54' MSL.

Light poles beginning 1217' from DER, 648' right of centerline, up to 31' AGL/74' MSL.

Light poles beginning 1241' from DER, 665' left of centerline, up to 31' AGL/74' MSL.

Light pole 1294' from DER, 799' right of centerline, 31' AGL/75' MSL.

Light pole 1330' from DER, 850' left of centerline, 32' AGL/75' MSL.

Refinery 1.9 NM from DER, 180' right of centerline, 318' AGL/344' MSL.

Tower 2.1 NM from DER, 3773' left of centerline, 401' AGL/423' MSL.

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

CORPUS CHRISTI, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 30NOV23 (23334) (USN)

TAKEOFF OBSTACLE NOTES:

Rwy 4, terrain 0' from DER, 500' right of centerline, 35' MSL.

Antenna 103' from DER, 417' left of centerline, 38' MSL.

Terrain 304' from DER, 500' left of centerline, 37' MSL.

Terrain 761' from DER, 704' right of centerline, 33' MSL.

Rwy 13L, terrain 0' from DER, 500' left of centerline, 35' MSL.

Antenna 57' from DER, 406' right of centerline, 22' AGL/37' MSL.

Rwy 18, terrain 0' from DER, 500' left of centerline, 35' MSL.

Pylon 4925' from DER, 382' left of centerline, 124' AGL/142' MSL.

Rwy 22, terrain 0' from DER, 500' left of centerline, 33' MSL.

Antenna 209' from DER, 474' left of centerline, 20' AGL/40' MSL.

Rwy 31R, terrain 0' from DER, 500' right of centerline, 33' MSL.

Terrain 292' from DER, 500' right of centerline, 33' MSL.

Rwy 36, terrain 0' from DER, 500' left of centerline, 36' MSL.

Terrain 300' from DER, 580' left of centerline, 36' MSL.

Antenna 568' from DER, 417' right of centerline, 38' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

COTULLA, TX

COTULLA-LA SALLE COUNTY (COT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 18SEP14 (14261) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 4' from DER, left and right of centerline, up to 20' AGL/465' MSL.
Vehicles on unlit roadway, beginning 55' from DER, 507' left of centerline, up to 15' AGL/482' MSL.
Trees beginning 142' from DER, left and right of centerline, up to 20' AGL/482' MSL.
Trees beginning 622' from DER, left and right of centerline, up to 24' AGL/480' MSL.
Pole 1002' from DER, 548' left of centerline, 33' AGL/488' MSL.
Rwy 31, fence .08' from DER, 310' right of centerline, 3' AGL/476' MSL.
Trees beginning 19' from DER, left and right of centerline, up to 13' AGL/485' MSL.
Trees beginning 178' from DER, 311' right of centerline, up to 16' AGL/490' MSL.
Trees beginning 380' from DER, 386' right of centerline, up to 21' AGL/493' MSL.

DEL RIO, TX

DEL RIO INTL (DRT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09SEP99 (99252) (FAA)

DEPARTURE PROCEDURE:

Rwy 13, climb to 1500 prior to left turn.

DEVINE, TX

DEVINE MUNI (23R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 12JUN25 (25163) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-1 or std w/min climb of 265'/NM to 900.

TAKEOFF OBSTACLE NOTES:

Rwy 17, terrain 21' from DER, 312' right of centerline, 705' MSL.
Terrain 48' from DER, 472' right of centerline, 708' MSL.
Trees, terrain beginning 141' from DER, 338' right of centerline, up to 41' AGL/746' MSL.
Trees beginning 148' from DER, 379' left of centerline, up to 59' AGL/752' MSL.
Trees beginning 419' from DER, 490' right of centerline, up to 752' MSL.
Trees beginning 1197' from DER, 352' left of centerline, up to 756' MSL.
Tree 1333' from DER, 122' left of centerline, 759' MSL.
Tree 1334' from DER, 295' left of centerline, 762' MSL.
Trees beginning 1431' from DER, 20' left of centerline, up to 45' AGL/765' MSL.
Tree 1605' from DER, 131' right of centerline, 765' MSL.
Trees beginning 1698' from DER, 8' right of centerline, up to 49' AGL/775' MSL.
Rwy 35, terrain 26' from DER, 187' left of centerline, 675' MSL.
Poles, terrain, fence, trees beginning 93' from DER, 335' left of centerline, up to 40' AGL/723' MSL.
Tree 222' from DER, 540' right of centerline, 720' MSL.
Trees, poles beginning 323' from DER, 350' right of centerline, up to 725' MSL.
Trees beginning 1126' from DER, 427' left of centerline, up to 732' MSL.

EAGLE PASS, TX

MAVERICK COUNTY MEML INTL (5T9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25SEP08 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicle on road 171' from DER, 393' right of centerline, 15' AGL/894' MSL.

EDINBURG, TX

SOUTH TEXAS INTL AT EDINBURG (EBG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF MINIMUMS:

CAUTION: Unmarked balloon and cable to 15000' MSL in R-6317.

Rwy 14, 276/37.9 NM.

Rwy 32, 276/38.5 NM.

TAKEOFF OBSTACLE NOTES:

Rwy 14, tree 1109' from DER, 525' right of centerline, 19' AGL/108' MSL.
Terrain 20' from DER, 312' right of centerline, 0' AGL/74' MSL.
Rwy 32, multiple poles beginning 831' from DER, 53' right of centerline, up to 32' AGL/111' MSL.
Road 640' from DER, 671' right of centerline, 17' AGL/96' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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EL PASO, TX

EL PASO INTL (ELP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 20AUG15 (15232) (FAA)

TAKEOFF MINIMUMS:

Rwys 8L, 26R, NA-Environmental.**Rwy 26L**, std. w/min. climb of 490' per NM to 6300.

DEPARTURE PROCEDURE:

Rwy 4, 8R, climbing right turn heading 120° and ELP R-150 to 9000, then proceed on course.**Rwy 22, 26L**, climbing left turn heading 120° and ELP R-150 to 9000, then proceed on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, light poles beginning 1053' from DER, 746' left of centerline, 39' AGL/3986' MSL.**Rwy 26L**, light poles beginning 1248' from DER, 614' left of centerline, up to 60' AGL/3983' MSL.

Windsock 113' from DER, 295' right of centerline, 20' AGL/3943' MSL.

Rwy 22, utility pedestal 30' from DER, 205' right of centerline, 4' AGL/3918' MSL.

FALFURRIAS, TX

BROOKS COUNTY (BKS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07MAY09 (09127) (FAA)

TAKEOFF MINIMUMS:

Rwy 32, 400-2¼ or std. w/ min. climb of 249' per NM to 600.**Rwy 35**, std. w/ min. climb of 250' per NM to 800, or 500-3 w/ min. climb of 242' per NM to 800, or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 35, for climb in visual conditions: cross Brooks County Airport at or above 900 MSL before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, vehicle on road, 29' from DER, 499' left of centerline, 15' AGL/129' MSL.

Trees beginning 149' from DER, 523' left of centerline, up to 40' AGL/154' MSL.

Trees beginning at DER, 415' right of centerline, up to 40' AGL/149' MSL.

Rwy 17, vehicle on road, at DER, 364' left of centerline, 15' AGL/119' MSL.

Trees beginning 15' from DER, 331' right of centerline, up to 40' AGL/149' MSL.

Trees beginning 165' from DER, 126' left of centerline, up to 17' AGL/129' MSL.

Rwy 32, road and trees beginning 587' from DER, 35' right of centerline, up to 40' AGL/149' MSL.

Tower 1.9 NM from DER, 987' left of centerline, 298' AGL/418' MSL.

Rwy 35, vehicle on road, at DER, 360' right of centerline, 15' AGL/118' MSL.

Tree 1010' from DER, 278' right of centerline, 29' AGL/138' MSL.

Tower 2.6 NM from DER, 426' right of centerline, 414' AGL/539' MSL.

FORT CAVAZOS (KILLEEN), TX

ROBERT GRAY AAF (GRK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 30NOV23 (23334) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 33, pole 974' from DER, 746' left of centerline, 35' AGL/1050' MSL.

Pole 1121' from DER, 746' left of centerline, 33' AGL/1048' MSL.

FORT STOCKTON, TX

FORT STOCKTON-PECOS COUNTY (FST)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05SEP24 (24249) (FAA)

TAKEOFF MINIMUMS:

Rwys 7, 11, 16, 25, 29, 34, NA-Environmental.**Rwy 21**, 300-1½ or std w/ min climb of 435'/NM to 3300, or 1000-3 for VCOA.

VCOA:

Rwy 21, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Fort Stockton-Pecos County airport at or above 3700 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 22' from DER, 66' right of centerline, up to 50' AGL/3007' MSL.

Trees beginning 110' from DER, 55' left of centerline, up to 50' AGL/3007' MSL.

Rwy 12, trees beginning 53' from DER, 23' right of centerline, up to 50' AGL/3069' MSL.

Trees 112' from DER, 308' left of centerline, 50' AGL/3059' MSL.

Trees beginning 292' from DER, 44' left of centerline, up to 50' AGL/3062' MSL.

Rwy 21, trees beginning 56' from DER, 132' left of centerline, up to 50' AGL/3059' MSL.

Tree 110' from DER, 352' right of centerline, 3013' MSL.

Tree 118' from DER, 222' right of centerline, 3017' MSL.

Trees beginning 124' from DER, 468' right of centerline, up to 50' AGL/3059' MSL.

Trees 212' from DER, 77' right of centerline, 50' AGL/3062' MSL.

Trees 300' from DER, 312' left of centerline, 50' AGL/3062' MSL.

Trees 368' from DER, 287' right of centerline, 50' AGL/3066' MSL.

Trees beginning 456' from DER, 102' left of centerline, up to 50' AGL/3066' MSL.

Trees beginning 523' from DER, 107' right of centerline, up to 50' AGL/3069' MSL.

CONT



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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FORT STOCKTON, TX (CON'T)

FORT STOCKTON-PECOS COUNTY (FST) (CON'T)

Rwy 21 (CON'T), trees 767' from DER, 317' right of centerline, 50' AGL/3075' MSL.

Trees 787' from DER, 673' left of centerline, 50' AGL/3069' MSL.

Trees beginning 855' from DER, 73' left of centerline, up to 50' AGL/3072' MSL.

Trees beginning 922' from DER, 136' right of centerline, up to 50' AGL/3085' MSL.

Trees 1186' from DER, 644' left of centerline, 50' AGL/3075' MSL.

Trees beginning 1254' from DER, 43' left of centerline, up to 50' AGL/3079' MSL.

Trees beginning 1430' from DER, 14' left of centerline, up to 50' AGL/3089' MSL.

Trees beginning 1565' from DER, 195' right of centerline, up to 50' AGL/3089' MSL.

Trees beginning 1829' from DER, 194' left of centerline, up to 50' AGL/3095' MSL.

Trees 1984' from DER, 585' left of centerline, 50' AGL/3098' MSL.

Trees beginning 2052' from DER, 15' right of centerline, up to 50' AGL/3095' MSL.

Trees beginning 2072' from DER, 165' left of centerline, up to 50' AGL/3108' MSL.

Trees beginning 2472' from DER, 135' left of centerline, up to 50' AGL/3125' MSL.

Trees beginning 2715' from DER, 106' left of centerline, up to 50' AGL/3134' MSL.

Trees beginning 2830' from DER, 74' right of centerline, up to 50' AGL/3098' MSL.

Trees 2986' from DER, 1275' right of centerline, 50' AGL/3102' MSL.

Transmission lines, trees beginning 3001' from DER, 65' right of centerline, up to 105' AGL/3153' MSL.

Trees beginning 3358' from DER, 17' left of centerline, up to 50' AGL/3138' MSL.

Trees beginning 4028' from DER, 12' right of centerline, up to 50' AGL/3157' MSL.

Trees beginning 4312' from DER, 197' left of centerline, up to 50' AGL/3141' MSL.

Trees beginning 4934' from DER, 168' left of centerline, up to 50' AGL/3151' MSL.

Trees beginning 5178' from DER, 319' left of centerline, up to 50' AGL/3154' MSL.

Trees 5732' from DER, 109' left of centerline, 50' AGL/3157' MSL.

Rwy 30, trees beginning 65' from DER, 354' left of centerline, up to 2992' MSL.

Tree 172' from DER, 377' left of centerline, 2995' MSL.

FREDERICKSBURG, TX

GILLESPIE COUNTY (T82)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 25APR19 (19115) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climb heading 141° to 2400 before turning right.

Rwy 32, climb heading 321° to 2400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 32' from DER, 310' right of centerline, up to 1685' MSL.

Pole 202' from DER, 515' left of centerline, 30' AGL/1708' MSL.

Tree 325' from DER, 298' right of centerline, 1688' MSL.

Trees beginning 336' from DER, 439' left of centerline, up to 1715' MSL.

Trees beginning 437' from DER, 297' left of centerline, up to 1718' MSL.

Trees beginning 517' from DER, 323' left of centerline, up to 1723' MSL.

Tree 531' from DER, 328' right of centerline, 1694' MSL.

Rwy 32, building, trees beginning 9' from DER, 22' right of centerline, up to 31' AGL/1719' MSL.

Trees beginning 84' from DER, 7' left of centerline, up to 1726' MSL.

Tree 943' from DER, 490' right of centerline, 1720' MSL.

Pole 1028' from DER, 713' right of centerline, 45' AGL/1733' MSL.

Trees, poles beginning 1038' from DER, 113' right of centerline, up to 1735' MSL.

Trees beginning 1108' from DER, 117' left of centerline, up to 1731' MSL.

Trees, poles beginning 1201' from DER, 39' right of centerline, up to 1737' MSL.

Tree 1883' from DER, 432' right of centerline, 1742' MSL.

GEORGE WEST, TX

LIVE OAK COUNTY (8T6)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 23JUN16 (16175) (FAA)

TAKEOFF MINIMUMS:

Rwy 31, 700-3 or std. with a min. climb of 230' per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 13, climb runway heading to 600 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 13, Trees and poles beginning 20' from DER, left and right of centerline, up to 37' AGL/157' MSL.

Vehicles on road starting 200' from DER, 431' left of centerline, up to 15' AGL/138' MSL.

Trees 815' from DER, 613' right of centerline, 48' AGL/168' MSL.

Rwy 31, Building, trees and poles beginning 57' from DER, 484' right of centerline, up to 40' AGL/163' MSL.

Vehicles on road starting 85' from DER, left and right of centerline, up to 15' AGL/143' MSL.

Trees and poles beginning 365' from DER, 401' left of centerline, 50' AGL/180' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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GEORGETOWN, TX

GEORGETOWN EXEC (GTU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 17AUG17 (22195) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, 200-1¼ or std. w/min. climb of 250' per NM to 1000.

TAKEOFF OBSTACLE NOTES:

Rwy 11, tree 11' from DER, 401' right of centerline, 786' MSL.

Poles and trees beginning 79' from DER, 136' right of centerline, up to 39' AGL/796' MSL.

Building 183' from DER, 477' left of centerline, 776' MSL.

Poles and buildings beginning 251' from DER, 424' left of centerline, up to 789' MSL.

Trees beginning 489' from DER, 226' left of centerline, up to 791' MSL.

Transmission towers, catenary, and telephone line beginning 2019' from DER, 27' left of centerline, up to 97' AGL/837' MSL.

Transmission tower and telephone line beginning 2271' from DER, 900' right of centerline, up to 826' MSL.

Tower 5361' from DER, 515' right of centerline, 179' AGL/894' MSL.

Rwy 18, REIL, vehicles on road, and tree beginning 30' from DER, 124' left of centerline, up to 784' MSL.

Tree 148' from DER, 465' left of centerline, 33' AGL/787' MSL.

Trees beginning 175' from DER, 444' right of centerline, up to 779' MSL.

Obstruction light on pole, poles, and trees beginning 300' from DER, 38' left of centerline, up to 792' MSL.

Obstruction light on pole, poles, and trees beginning 351' from DER, 19' right of centerline, up to 792' MSL.

Transmission tower 3137' from DER, 1036' left of centerline, 90' AGL/835' MSL.

Antenna on water tower 1 NM from DER, 1158' right of centerline, 163' AGL/932' MSL.

Rwy 29, bushes beginning 10' from DER, 117' left of centerline, up to 792' MSL.

Terrain 15' from DER, 91' right of centerline, 790' MSL.

Terrain 15' from DER, 191' right of centerline, 792' MSL.

Trees beginning 89' from DER, 345' left of centerline, up to 806' MSL.

Bush and tree beginning 103' from DER, 351' right of centerline, up to 23' AGL/819' MSL.

Tree 205' from DER, 403' left of centerline, 811' MSL.

Tree 260' from DER, 562' right of centerline, 824' MSL.

Trees beginning 296' from DER, 291' left of centerline, up to 819' MSL.

Trees beginning 331' from DER, 162' right of centerline, up to 828' MSL.

Trees beginning 544' from DER, 22' right of centerline, up to 833' MSL.

Trees beginning 549' from DER, 78' left of centerline, up to 821' MSL.

Pole 766' from DER, 524' right of centerline, 837' MSL.

Poles and trees beginning 787' from DER, 48' left of centerline, up to 826' MSL.

Poles and trees beginning 800' from DER, 56' right of centerline, up to 840' MSL.

Tree 1902' from DER, 923' right of centerline, 841' MSL.

Trees beginning 1958' from DER, 563' right of centerline, up to 844' MSL.

Rwy 36, building 70' from DER, 513' right of centerline, 789' MSL.

Antenna 104' from DER, 492' right of centerline, 810' MSL.

Terrain 115' from DER, 345' left of centerline, 789' MSL.

Trees beginning 143' from DER, 378' left of centerline, up to 18' AGL/810' MSL.

Pole 269' from DER, 565' left of centerline, 35' AGL/828' MSL.

Trees beginning 284' from DER, 424' right of centerline, up to 818' MSL.

Tree 322' from DER, 360' left of centerline, 831' MSL.

Pole and trees beginning 392' from DER, 301' left of centerline, up to 837' MSL.

Tower and trees beginning 510' from DER, 429' right of centerline, up to 45' AGL/823' MSL.

HAMILTON, TX

HAMILTON MUNI (MNZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17DEC09 (09351) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, tree 689' from DER, 211' left of centerline, 40' AGL/1346' MSL.

Vehicle on North-South road 849' from DER, on extended centerline, 15' AGL/1321' MSL.

Rwy 36, trees beginning 621' from DER, 186' left of centerline, 40' AGL/1359' MSL.

Trees 879' from DER, 87' right of centerline, 40' AGL/1359' MSL.

HARLINGEN, TX

VALLEY INTL (HRL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 11JUL24 (24193) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, sign 28' from DER, 252' left of centerline, 6' AGL/39' MSL.**Rwy 18L**, vehicles on road 410' from DER, 519' left of centerline, 51' MSL.**Rwy 18R**, vehicles on road 8' from DER, 430' right of centerline, 50' MSL.

Vehicles on roads, fences, beginning 10' from DER, 22' left of centerline, up to 50' MSL.

Rwy 31, NAVAID 39' from DER, 146' right of centerline, 4' AGL/35' MSL.

Light poles 39' from DER, 114' right of centerline, 4' AGL/36' MSL.

Light poles 40' from DER, 115' left of centerline, 3' AGL/36' MSL.

NAVAID 53' from DER, 199' left of centerline, 4' AGL/37' MSL.

Poles beginning 753' from DER, 541' left of centerline, up to 34' AGL/66' MSL.

Trees beginning 982' from DER, 462' left of centerline, up to 34' AGL/74' MSL.

CONT

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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HARLINGEN, TX (CON'T)

VALLEY INTL (HRL) (CON'T)

Rwy 36L, sign 23' from DER, 250' left of centerline, 3' AGL/36' MSL.

Rwy 36R, tree 1231' from DER, 599' right of centerline, 33' AGL/66' MSL.

HEBBRONVILLE, TX

JIM HOGG COUNTY (HBV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 7' from DER, 59' left of centerline, up to 25' AGL/694' MSL.

Rwy 31, trees beginning 112' from DER, 274' right of centerline to 438' left of centerline, up to 12' AGL/681' MSL. Pole 801' from DER, 374' right of centerline, up to 26' AGL/685' MSL.

NDB 275' from DER, 495' left of centerline, up to 33' AGL/692' MSL.

Vehicle on road 399' from DER, left and right of centerline, up to 15' AGL/674' MSL.

HONDO, TX

SOUTH TEXAS RGNL AT HONDO (HDO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 28JUL11 (11209) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 8, trees 407' from DER, 243' left of centerline, 30' AGL/959' MSL.

Rwy 17L, vehicles on road 488' from DER, 131' right of centerline, 15' AGL/925' MSL.

Rwy 17R, sand storage domes beginning 3653' from DER, 838' right of centerline, up to 115' AGL/1023' MSL.

Rwy 35R, vehicles on road 161' from DER, 172' left of centerline, 15' AGL/943' MSL.

Multiple trees beginning 636' from DER, 354' right of centerline, up to 26' AGL/955' MSL.

Vehicles on road beginning 490' from DER, 122' right of centerline, 15' AGL/943' MSL.

Rwy 26, trees 1022' from DER, 241' right of centerline, 30' AGL/959' MSL.

Rwy 13, trees 726' from DER, 250' left of centerline, 30' AGL/939' MSL.

JUNCTION, TX

KIMBLE COUNTY (JCT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05MAY11 (11125) (FAA)

TAKEOFF MINIMUMS:

Rwys 8, 26, NA - Environmental.

Rwy17, std. w/min. climb of 340' per NM to 2300 or 1300-3 for climb in visual conditions.

Rwy 35, std. w/min. climb of 565' per NM to 2200 or 400-3 with minimum climb of 230' per NM to 2500, or 1300-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 17, climb heading 172° to 2800 before proceeding on course, for climb in visual conditions cross Kimble County Airport at or above 2900 before proceeding on course.

Rwy 35, for climb in visual conditions cross Kimble County Airport at or above 2900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning abeam DER, 297' right of centerline, up to 50' AGL/1749' MSL.

Power lines beginning 229' from DER, 370' right of centerline, up to 75' AGL/1744' MSL.

Vehicles on road beginning 390' from DER, left and right of centerline, up to 17' AGL/1716' MSL.

Trees beginning 1548' from DER, left and right of centerline, up to 50' AGL/2049' MSL.

Radio towers beginning 4568' from DER, 736' left of centerline, up to 169' AGL/1854' MSL.

Rwy 35, power lines beginning abeam DER, 545' left of centerline, up to 75' AGL/1854' MSL.

Power lines abeam DER, 561' right of centerline, up to 75' AGL/1854' MSL.

Vehicles on road beginning 1121' from DER, left and right of centerline, up to 15' AGL/1794' MSL.

Trees beginning 1254' from DER, left and right of centerline, up to 50' AGL/2129' MSL.

KELLY FLD (KSKF)

SAN ANTONIO, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25MAY17 (17145)

TAKEOFF OBSTACLE NOTES:

Rwy 34, trees 50' AGL/743' MSL, 1763' from DER, 919' left of cntrln.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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KENEDY, TX

KENEDY RGNL (2R9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 15AUG19 (19227) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-1¼ or std. w/min. climb of 310' per NM to 600.**Rwy 34**, 400-2¼ or std. w/min. climb of 675' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 34, climb heading 344° to 800 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 16, fence at DER, 293' right of centerline, 8' AGL/277' MSL.

Fence at DER, 291' left of centerline, 8' AGL/279' MSL.

Trees beginning 11' from DER, 268' right of centerline, up to 100' AGL/379' MSL.

Poles beginning 965' from DER, 352' left of centerline, up to 80' AGL/364' MSL.

Tree 1771' from DER, 937' right of centerline, 100' AGL/389' MSL.

Tree 2752' from DER, 993' right of centerline, 100' AGL/399' MSL.

Tree 3234' from DER, 1137' left of centerline, 100' AGL/409' MSL.

Tree 3408' from DER, 982' right of centerline, 100' AGL/419' MSL.

Tree 4050' from DER, 808' right of centerline, 100' AGL/429' MSL.

Tree 4523' from DER, 348' right of centerline, 100' AGL/439' MSL.

Tree 4854' from DER, 200' right of centerline, 100' AGL/449' MSL.

Tree 5091' from DER, 147' right of centerline, 100' AGL/459' MSL.

Trees beginning 5351' from DER, 18' right of centerline, up to 100' AGL/469' MSL.

Tree 5684' from DER, 983' right of centerline, 100' AGL/479' MSL.

Tree 1 NM from DER, 1953' right of centerline, 100' AGL/489' MSL.

Tree 1.1 NM from DER, 2105' right of centerline, 100' AGL/499' MSL.

Tree 1.5 NM from DER, 1603' right of centerline, 100' AGL/507' MSL.

Rwy 34, tree 51' from DER, 180' left of centerline, 100' AGL/399' MSL.

Fence 169' from DER, crossing extended runway centerline, 8' AGL/295' MSL.

Tower 1031' from DER, 2808' left of centerline, 238' AGL/678' MSL.

Tree 1457' from DER, 761' left of centerline, 100' AGL/419' MSL.

Tree 1512' from DER, 8' right of centerline, 100' AGL/409' MSL.

Tree 1615' from DER, 859' left of centerline, 100' AGL/429' MSL.

Tree 1779' from DER, 861' left of centerline, 100' AGL/439' MSL.

Tree 1902' from DER, 847' left of centerline, 100' AGL/449' MSL.

Tree 2521' from DER, 950' right of centerline, 100' AGL/429' MSL.

Tree 3594' from DER, 1437' right of centerline, 100' AGL/459' MSL.

Tree 4395' from DER, 107' left of centerline, 100' AGL/469' MSL.

Tree 4834' from DER, 178' left of centerline, 100' AGL/479' MSL.

Tree 5227' from DER, 352' left of centerline, 100' AGL/489' MSL.

Tree 5720' from DER, 153' left of centerline, 100' AGL/499' MSL.

Trees beginning 1 NM from DER, 24' left of centerline, up to 100' AGL/519' MSL.

Trees beginning 1.1 NM from DER, 4' right of centerline, up to 100' AGL/529' MSL.

Tower, trees beginning 1.4 NM from DER, 86' left of centerline, up to 238' AGL/628' MSL.

KERRVILLE, TX

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 03JAN19 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, 500-3 w/min. climb of 390' per NM to 2600, or std. w/min. climb of 455' per NM to 2400 or 1300-3 for VCOA.**Rwy 30**, std. w/min. climb of 215' per NM to 2300 or 1300-3 for VCOA.

VCOA:

Rwys 3, 30, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Kerrville Muni/Louis Schreiner Fld at or above 2800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, tree 23' from DER, 465' left of centerline, 41' AGL/1631' MSL.

Terrain 25' from DER, 401' right of centerline, 1635' MSL.

Terrain 36' from DER, 505' right of centerline, 1647' MSL.

Vehicles on road, terrain beginning 45' from DER, 310' right of centerline, up to 1649' MSL.

Trees beginning 239' from DER, 445' left of centerline, up to 47' AGL/1640' MSL.

Vehicle on road, terrain beginning 296' from DER, 352' right of centerline, up to 1650' MSL.

Trees beginning 436' from DER, 344' left of centerline, up to 66' AGL/1664' MSL.

Vehicles on road, terrain beginning 496' from DER, 311' right of centerline, up to 1652' MSL.

Trees, vehicles on road beginning 853' from DER, 117' right of centerline, up to 38' AGL/1673' MSL.

Trees beginning 895' from DER, 46' right of centerline, up to 31' AGL/1675' MSL.

Trees beginning 985' from DER, 96' right of centerline, up to 26' AGL/1678' MSL.

Trees beginning 1030' from DER, 198' right of centerline, up to 41' AGL/1684' MSL.

Poles, vehicles on road, transmission line, trees beginning 1176' from DER, 11' right of centerline, up to 55' AGL/1715' MSL.

Pole 1434' from DER, 418' left of centerline, 58' AGL/1672' MSL.

Transmission line, pole beginning 1440' from DER, 414' left of centerline, up to 59' AGL/1674' MSL.

Pole 1523' from DER, 772' left of centerline, 63' AGL/1698' MSL.

Transmission line, trees, windmill, pole, vehicle on road beginning 1525' from DER, 28' left of centerline, up to 64' AGL/1705' MSL.

CON'T



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

KERRVILLE, TX (CON'T)

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV) (CON'T)

Rwy 3 (CON'T), trees, vehicles on road, fence beginning 2019' from DER, 37' right of centerline, up to 33' AGL/1742' MSL.
 Trees, terrain beginning 2581' from DER, 576' right of centerline, up to 1743' MSL.
 Trees beginning 2717' from DER, 540' left of centerline, up to 29' AGL/1708' MSL.
 Trees, fence beginning 2978' from DER, 804' left of centerline, up to 37' AGL/1733' MSL.
 Trees beginning 3253' from DER, 920' left of centerline, up to 30' AGL/1738' MSL.
 Trees, pole beginning 3636' from DER, 1190' left of centerline, up to 33' AGL/1742' MSL.
 Tree 3905' from DER, 1490' right of centerline, 30' AGL/1751' MSL.
 Trees beginning 4069' from DER, 920' right of centerline, up to 16' AGL/1753' MSL.
 Trees beginning 4108' from DER, 1199' right of centerline, up to 27' AGL/1773' MSL.
 Tree 4291' from DER, 1344' right of centerline, 23' AGL/1776' MSL.
 Trees beginning 4312' from DER, 1120' right of centerline, up to 23' AGL/1796' MSL.
 Fence, tree beginning 4440' from DER, 1207' right of centerline, up to 4' AGL/1824' MSL.
 Fence, tree beginning 4504' from DER, 1136' right of centerline, up to 6' AGL/1832' MSL.
 Terrain, fence, tree beginning 4610' from DER, 1475' right of centerline, up to 1869' MSL.
 Trees, fence, terrain beginning 4656' from DER, 347' right of centerline, up to 14' AGL/1879' MSL.
 Poles beginning 4892' from DER, 1415' left of centerline, up to 40' AGL/1753' MSL.
 Pole, trees beginning 5066' from DER, 1275' left of centerline, up to 39' AGL/1758' MSL.
 Pole, tree beginning 5204' from DER, 1373' left of centerline, up to 37' AGL/1760' MSL.
 Tree 5259' from DER, 1498' left of centerline, 34' AGL/1764' MSL.
 Trees beginning 5329' from DER, 1203' left of centerline, up to 41' AGL/1769' MSL.
 Tree 5365' from DER, 1718' left of centerline, 33' AGL/1772' MSL.
 Trees, vehicle on road, poles beginning 5366' from DER, 1159' left of centerline, up to 32' AGL/1773' MSL.
 Tree 5569' from DER, 1423' left of centerline, 34' AGL/1775' MSL.
 Pole 5579' from DER, 1525' left of centerline, 28' AGL/1778' MSL.
 Pole beginning 5639' from DER, 1125' left of centerline, up to 27' AGL/1800' MSL.
 Pole, terrain, trees beginning 5667' from DER, 1228' left of centerline, up to 36' AGL/1809' MSL.
 Tree 5885' from DER, 1970' left of centerline, 28' AGL/1850' MSL.
 Trees, terrain beginning 5931' from DER, 1356' left of centerline, up to 26' AGL/1874' MSL.
 Tree 6068' from DER, 1968' left of centerline, 21' AGL/1890' MSL.
 Trees beginning 1 NM from DER, 1442' left of centerline, up to 21' AGL/1892' MSL.
 Tree, vehicle on road, terrain, fence beginning 1 NM from DER, 1349' left of centerline, up to 1924' MSL.
 Vehicle on road, tree beginning 1 NM from DER, 914' right of centerline, up to 1902' MSL.
 Vehicles on road beginning 1 NM from DER, 1170' right of centerline, up to 1903' MSL.
 Trees beginning 1 NM from DER, 991' right of centerline, up to 22' AGL/1921' MSL.
 Tree, vehicles on road beginning 1.1 NM from DER, 735' right of centerline, up to 29' AGL/1923' MSL.
 Tree, terrain beginning 1.1 NM from DER, 524' right of centerline, up to 1927' MSL.
 Trees, vehicles on road, terrain, poles beginning 1.1 NM from DER, 416' right of centerline, up to 36' AGL/1929' MSL.
 Building, trees, vehicle on road beginning 1.2 NM from DER, 1213' right of centerline, up to 32' AGL/1931' MSL.
 Trees, vehicles on road, poles, building, terrain, tank beginning 1.2 NM from DER, on and right of centerline, up to 35' AGL/1934' MSL.
 Fence, tree beginning 1.3 NM from DER, 1576' left of centerline, up to 6' AGL/1925' MSL.
 Building 1.3 NM from DER, 2597' left of centerline, 14' AGL/1934' MSL.
 Tree 1.3 NM from DER, 2558' left of centerline, 23' AGL/1943' MSL.
 Building, trees, poles, vehicles on road beginning 1.3 NM from DER, 1543' left of centerline, up to 41' AGL/1962' MSL.
 Buildings, poles, vehicles on road, trees, fence, tank, terrain beginning 1.3 NM from DER, 18' left of centerline, up to 32' AGL/1963' MSL.
 Trees, pole, vehicles on road beginning 1.4 NM from DER, 160' right of centerline, up to 31' AGL/1941' MSL.
 Trees, vehicles on road, fence beginning 1.4 NM from DER, 233' right of centerline, up to 25' AGL/1947' MSL.
 Trees, poles, vehicles on road beginning 1.5 NM from DER, 196' right of centerline, up to 25' AGL/1950' MSL.
 Poles, trees, vehicles on road, fence, terrain beginning 1.5 NM from DER, 179' right of centerline, up to 44' AGL/1961' MSL.
 Trees, vehicles on road, terrain beginning 1.6 NM from DER, 37' left of centerline, up to 25' AGL/1967' MSL.
 Trees, vehicles on road, pole beginning 1.7 NM from DER, 133' right of centerline, up to 28' AGL/1962' MSL.
 Vehicle on road, tree beginning 1.7 NM from DER, 1457' right of centerline, up to 1963' MSL.
 Trees, vehicles on road beginning 1.7 NM from DER, 1588' left of centerline, up to 18' AGL/1968' MSL.
 Trees, fence, vehicles on road beginning 1.7 NM from DER, 15' right of centerline, up to 22' AGL/1978' MSL.
 Poles, trees, vehicles on road, terrain, building beginning 1.7 NM from DER, 196' right of centerline, up to 36' AGL/1982' MSL.
 Vehicles on road, tree beginning 1.7 NM from DER, 2149' left of centerline, up to 1969' MSL.
 Poles, trees, vehicles on road beginning 1.7 NM from DER, 906' left of centerline, up to 39' AGL/1976' MSL.
 Pole, trees, vehicles on road beginning 1.7 NM from DER, 76' right of centerline, up to 45' AGL/1994' MSL.
 Pole, tree, vehicle on road, terrain beginning 1.7 NM from DER, 17' left of centerline, up to 40' AGL/1986' MSL.
 Tree, vehicle on road, tank beginning 1.8 NM from DER, 271' right of centerline, up to 36' AGL/2000' MSL.
 Trees beginning 1.8 NM from DER, 88' right of centerline, up to 27' AGL/2010' MSL.
 Poles, fence, buildings, trees, vehicles on road, terrain beginning 1.8 NM from DER, on centerline, up to 43' AGL/2022' MSL.
 Vehicles on road, trees, pole beginning 1.8 NM from DER, 84' left of centerline, up to 1989' MSL.
 Trees, poles, vehicles on road, building, terrain beginning 1.8 NM from DER, 173' left of centerline, up to 44' AGL/2003' MSL.
 Tree, terrain, buildings, vehicles on road, pole beginning 1.9 NM from DER, 267' left of centerline, up to 34' AGL/2025' MSL.
 Windmill, buildings, trees, terrain, vehicles on road, poles, tank, transmission line beginning 1.9 NM from DER, 34' left of centerline, up to 52' AGL/2044' MSL.
 Transmission line, tree beginning 2.4 NM from DER, 1351' left of centerline, up to 116' AGL/2077' MSL.
 Transmission lines, trees beginning 2.4 NM from DER, 524' left of centerline, up to 108' AGL/2078' MSL.
 Transmission lines 2.5 NM from DER, 866' right of centerline, 103' AGL/2042' MSL.

CON'T



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

KERRVILLE, TX (CON'T)

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV) (CON'T)

Rwy 12, terrain beginning 76' from DER, 189' left of centerline, up to 1593' MSL.

Tree 289' from DER, 448' right of centerline, 32' AGL/1605' MSL.

Vehicles on road beginning 517' from DER, 617' left of centerline, up to 1608' MSL.

Tree 625' from DER, 442' right of centerline, 33' AGL/1607' MSL.

Rwy 21, fence, terrain beginning 1' from DER, 145' right of centerline, up to 1583' MSL.

Vehicles on road, sign, terrain beginning 13' from DER, 125' left of centerline, up to 1576' MSL.

Pole 838' from DER, 593' right of centerline, 35' AGL/1595' MSL.

Pole, trees beginning 893' from DER, 422' right of centerline, up to 41' AGL/1602' MSL.

Trees beginning 975' from DER, 277' right of centerline, up to 54' AGL/1608' MSL.

Trees beginning 1291' from DER, 284' right of centerline, up to 80' AGL/1610' MSL.

Tree 1439' from DER, 250' right of centerline, 89' AGL/1619' MSL.

Antenna 2904' from DER, 870' right of centerline, 102' AGL/1655' MSL.

Tree 4950' from DER, 1649' right of centerline, 48' AGL/1704' MSL.

Tree, building beginning 4963' from DER, 1520' right of centerline, up to 50' AGL/1710' MSL.

Rwy 30, vehicle on road 1' from DER, 477' left of centerline, 1577' MSL.

Tree 190' from DER, 493' left of centerline, 28' AGL/1584' MSL.

Tree 210' from DER, 514' left of centerline, 41' AGL/1592' MSL.

Pole, tree, building, lighting beginning 244' from DER, 208' left of centerline, up to 33' AGL/1594' MSL.

Fence beginning 324' from DER, 330' right of centerline, up to 11' AGL/1582' MSL.

Vehicles on road, fence beginning 329' from DER, 271' right of centerline, up to 1592' MSL.

Tree 404' from DER, 521' right of centerline, 35' AGL/1610' MSL.

Trees, poles beginning 407' from DER, 412' left of centerline, up to 51' AGL/1598' MSL.

Poles, building, trees beginning 443' from DER, 32' right of centerline, up to 39' AGL/1615' MSL.

Tree 599' from DER, 500' left of centerline, 51' AGL/1605' MSL.

Trees beginning 621' from DER, 19' left of centerline, up to 51' AGL/1606' MSL.

Trees beginning 874' from DER, 104' left of centerline, up to 83' AGL/1614' MSL.

Tree 1748' from DER, 937' left of centerline, 93' AGL/1619' MSL.

KILLEEN, TX

SKYLARK FLD (ILE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15JAN09 (21224) (FAA)

DEPARTURE PROCEDURE:

Rwy 19, climb heading 190° to 1900 before turning east.

TAKEOFF OBSTACLE NOTES:

Rwy 1, multiple poles beginning 317' from DER, 384' left of centerline, up to 27' AGL/868' MSL.

Tree, 973' from DER, 100' left of centerline, 28' AGL/876' MSL.

Building, 486' from DER, 9' right of centerline, 13' AGL/854' MSL.

Antenna, 351' from DER, 277' right of centerline, 11' AGL/852' MSL.

Rwy 19, pole, 288' from DER, 588' right of centerline, 32' AGL/880' MSL.

Building, 102' from DER, 411' right of centerline, 8' AGL/856' MSL.

Vehicle on road, 232' from DER, 499' right of centerline, 15' AGL/867' MSL.

Pole, 256' from DER, 497' left of centerline, 32' AGL/873' MSL.

Building, 276' from DER, 342' left of centerline, 11' AGL/859' MSL.

Building, 298' from DER, 83' left of centerline, 9' AGL/857' MSL.

KINGSVILLE NAS (KNQI)

KINGSVILLE, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 16JUL20 (20198)

TAKEOFF OBSTACLE NOTES:

Rwy 13R, terrain 0' from DER, 500' right of cntrln, 0' AGL/45' MSL.

Rwy 17L, terrain 0' from DER, 500' left of cntrln, 0' AGL/56' MSL.

Terrain 328' from DER, 500' left of cntrln, 0' AGL/59' MSL.

Rwy 17R, tower 559' from DER, 1' left of cntrln, 5' AGL/56' MSL.

Terrain 0' from DER, 500' right of cntrln, 0' AGL/60' MSL.

Terrain 281' from DER, 500' right of cntrln, 0' AGL/60' MSL.

Rwy 31L, terrain 0' from DER, 500' left of cntrln, 0' AGL/52' MSL.

KINGSVILLE, TX

KLEBERG COUNTY (IKG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 528' from DER, 515' right of centerline, up to 35' AGL/154' MSL.

Trees beginning 775' from DER, 554' left of centerline, up to 35' AGL/159' MSL.

Rwy 31, trees beginning 184' from DER, 358' right of centerline, up to 28' AGL/153' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

LAGO VISTA, TX

LAGO VISTA TX/RUSTY ALLEN (RYW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 17AUG17 (22027) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, building 4' from DER, 157' right of centerline, 25' AGL/1225' MSL.
Building and trees beginning 18' from DER, 248' left of centerline, up to 1232' MSL.
Rwy 33, trees beginning 14' from DER, 158' right of centerline, up to 1258' MSL.
Trees beginning 44' from DER, 144' left of centerline, up to 1257' MSL.
Trees beginning 173' from DER, 315' left of centerline, up to 1262' MSL.
Trees beginning 173' from DER, 235' right of centerline, up to 1259' MSL.
Trees beginning 494' from DER, 224' right of centerline, up to 1269' MSL.
Trees beginning 624' from DER, 274' left of centerline, up to 1270' MSL.
Trees beginning 743' from DER, 159' left of centerline, up to 1273' MSL.
Tree 1430' from DER, 122' right of centerline, 1270' MSL.
Tree 1612' from DER, 132' left of centerline, 1274' MSL.

LAJITAS, TX

LAJITAS INTL (T89)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 26DEC24 (24361) (FAA)

TAKEOFF MINIMUMS:

Rwy 25, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 7, use MARFA DEPARTURE.

LAKEWAY, TX

LAKEWAY AIRPARK (3R9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 05MAR15 (15064) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 500-2% or std. w/min. climb of 265' per NM to 1500.

DEPARTURE PROCEDURE:

Rwy 16, climb heading 165° to 1700 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees on rising terrain beginning 26' from DER, 161' right of centerline, up to 50' AGL/975' MSL.
Building 38' from DER, 229' right of centerline, 50' AGL/989' MSL.
Tree 194' from DER, 221' left of centerline, 50' AGL/943' MSL.
Building and trees beginning 534' from DER, 165' left of centerline, 40' AGL/941' MSL.
Power lines with catenary markers beginning 776' from DER, crossing centerline, up to 80' AGL/999' MSL.
Tower 2.1 NM from DER, 1314' right of centerline, 195' AGL/1326' MSL.
Rwy 34, trees beginning abeam DER, right of centerline, up to 50' AGL/931' MSL.
Trees and buildings beginning abeam DER, 161' left of centerline, up to 50' AGL/965' MSL.
Trees and buildings on rising terrain beginning 3405' from DER, crossing centerline, up to 50' AGL/1009' MSL.

LAMPASAS, TX

LAMPASAS (LZZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17DEC09 (09351) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, building 39' from DER, 374' left of centerline, 20' AGL/1189' MSL.
Trees beginning 795' from DER, 217' right of centerline, up to 30' AGL/1189' MSL.
Rwy 34, trees beginning 657' from DER, 147' left of centerline, up to 30' AGL/1249' MSL.

LAREDO, TX

LAREDO INTL (LRD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4B 08NOV18 (18312) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climb heading 142° to 1000 before turning right.
Rwy 18L, climb heading 163° to 1200 before turning right.
Rwy 18R, climb heading 163° to 1300 before turning right.
Rwy 32, climb heading 322° to 1200 before turning left.
Rwys 36L, 36R, climb heading 358° to 1000 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 135' from DER, 298' left of centerline, up to 59' AGL/519' MSL.
Sign 226' from DER, 244' left of centerline, 14' AGL/474' MSL.
Rwy 18L, terrain beginning 48' from DER, 333' right of centerline, up to 478' MSL.
Rwy 18R, terrain beginning 4' from DER, 219' right of centerline, up to 489' MSL.
Light poles beginning 894' from DER, 344' right of centerline, up to 41' AGL/511' MSL.
CON'T



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

LAREDO, TX (CON'T)

LAREDO INTL (LRD) (CON'T)

Rwy 32, aircraft on taxiway beginning 50' from DER, 367' left of centerline, up to 75' AGL/584' MSL.

Trees beginning 768' from DER, 584' left of centerline, up to 59' AGL/559' MSL.

Trees beginning 88' from DER, 275' right of centerline, up to 59' AGL/559' MSL.

Rwy 36L, MALSR 5' from DER, on centerline, 5' AGL/505' MSL.

NAVAID 10' from DER, on centerline, 5' AGL/505' MSL.

Antenna on building 81' from DER, 404' left of centerline, 30' AGL/520' MSL.

Rwy 36R, terrain beginning 19' from DER, 191' left of centerline, up to 500' MSL.

Terrain beginning 176' from DER, 489' right of centerline, up to 512' MSL.

LAUGHLIN AFB (KDLF)

DEL RIO, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20APR23 (23110) (USAF)

TAKEOFF OBSTACLE NOTES:

Rwy 13C, taxiing aircraft 196' from DER, 220' right of centerline, 14' AGL/1079' MSL.

Rwy 13L, taxiing aircraft 9' from DER, 204' right of centerline, 14' AGL/1076' MSL.

Rwy 13R, taxiing aircraft 1159' from DER, 175' left of centerline, 38' AGL/1108' MSL.

Taxiing aircraft 36' from DER, 181' left of centerline, 14' AGL/1090' MSL.

Taxiing aircraft 65' from DER, 301' left of centerline, 14' AGL/1090' MSL.

Taxiing aircraft 524' from DER, 605' right of centerline, 14' AGL/1093' MSL.

Rwy 31C, vehicular traffic 16' from DER, 466' right of centerline, 10' AGL/1092' MSL.

Rwy 31L, terrain 187' from DER, 550' right of centerline, 1082' MSL.

Taxiing aircraft 101' from DER, 196' right of centerline, 14' AGL/1091' MSL.

Taxiing aircraft 248' from DER, 329' right of centerline, 14' AGL/1094' MSL.

Rwy 31R, taxiing aircraft 5' from DER, 174' left of centerline, 14' AGL/1090' MSL.

Terrain 114' from DER, 522' right of centerline, 1085' MSL.

Terrain 118' from DER, 427' right of centerline, 1082' MSL.

Terrain 149' from DER, 535' right of centerline, 1085' MSL.

Terrain 170' from DER, 537' right of centerline, 1085' MSL.

Terrain 171' from DER, 515' right of centerline, 1083' MSL.

Terrain 172' from DER, 492' right of centerline, 1082' MSL.

Terrain 189' from DER, 544' right of centerline, 1085' MSL.

Terrain 228' from DER, 544' right of centerline, 1085' MSL.

Terrain 267' from DER, 532' right of centerline, 1085' MSL.

Terrain 72' from DER, 450' right of centerline, 1085' MSL.

Terrain 84' from DER, 491' right of centerline, 1085' MSL.

Terrain 96' from DER, 438' right of centerline, 1083' MSL.

Wind sock 18' from DER, 495' left of centerline, 26' AGL/1101' MSL.

LLANO, TX

LLANO MUNI (AQO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 12JUN25 (25163) (FAA)

TAKEOFF MINIMUMS:

Rwys 13, 31, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 35, climb on heading 354° to 1900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees, vehicles on road, vegetation beginning 17' from DER, 88' left of centerline, up to 1124' MSL.

Tree 34' from DER, 162' right of centerline, 1110' MSL.

Vehicle on road 54' from DER, 345' right of centerline, 1121' MSL.

Trees beginning 77' from DER, 250' right of centerline, up to 1128' MSL.

Tree 145' from DER, 395' right of centerline, 23' AGL/1129' MSL.

Trees beginning 253' from DER, 71' right of centerline, up to 29' AGL/1134' MSL.

Pole, trees beginning 519' from DER, 516' left of centerline, up to 1130' MSL.

Rwy 35, pole 55' from DER, 463' right of centerline, 1113' MSL.

Tree 90' from DER, 466' left of centerline, 1115' MSL.

Vehicles on road, trees beginning 92' from DER, 344' left of centerline, up to 15' AGL/1119' MSL.

Building, tree beginning 258' from DER, 421' right of centerline, up to 1119' MSL.

Tree 405' from DER, 542' left of centerline, 1126' MSL.

Trees beginning 468' from DER, 277' left of centerline, up to 1129' MSL.

Trees beginning 549' from DER, 304' right of centerline, up to 1121' MSL.

Tree 751' from DER, 571' left of centerline, 1130' MSL.

Tree 1100' from DER, 429' left of centerline, 1134' MSL.

Tree 1743' from DER, 227' left of centerline, 1151' MSL.

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

SC-3

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

LOCKHART, TX

LOCKHART MUNI (50R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25AUG11 (11237) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 400-3 or std. w/min. climb of 275' per NM to 1200.

DEPARTURE PROCEDURE:

Rwy 36, climb heading 355° to 1200 before turning.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 47' from DER, 267' left of centerline, up to 65' AGL/555' MSL.

Trees beginning 245' from DER, 13' right of centerline, up to 42' AGL/541' MSL.

Rwy 36, bush 51' from DER, 305' right of centerline, 8' AGL/568' MSL.

Pole 1298' from DER, 561' right of centerline, 38' AGL/568' MSL.

Tower 2.2 NM from DER, 2536' right of centerline, 378' AGL/918' MSL.

MARFA, TX

MARFA MUNI (MRF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 25FEB21 (21056) (FAA)

TAKEOFF MINIMUMS:

Rwys 9, 27, NA - Environmental.

CAUTION: Unmarked balloon and cable to 14000' MSL in R-6318.

DEPARTURE PROCEDURE:

Rwy 4, climbing right turn direct MRF VOR/DME thence...

Rwy 13, climb direct MRF VOR/DME thence...

Rwys 22, 31, climbing left turn direct MRF VOR/DME thence...

...all aircraft climb in MRF holding pattern (southeast, left turn, 313° inbound) to cross MRF VOR/DME at or above MEA for direction of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 4, vehicle on road, tree beginning 18' from DER, 319' left of centerline, up to 15' AGL/4863' MSL.

Tree 76' from DER, 504' right of centerline, 4852' MSL.

Vehicle on road, tree beginning 121' from DER, 48' left of centerline, up to 15' AGL/4864' MSL.

Vehicle on road 462' from DER, 270' left of centerline, 4866' MSL.

Vehicle on road 469' from DER, 613' right of centerline, 4863' MSL.

Vehicle on road beginning 558' from DER, 197' left of centerline, up to 4869' MSL.

Vehicle on road 709' from DER, 417' left of centerline, 4870' MSL.

Vehicle on road 744' from DER, 583' right of centerline, 4868' MSL.

Rwy 13, vehicle on road 29' from DER, 413' right of centerline, 4846' MSL.

Vehicle on road 175' from DER, 429' right of centerline, 15' AGL/4848' MSL.

Vehicle on road 513' from DER, 564' left of centerline, 4846' MSL.

Pole 1041' from DER, 572' right of centerline, 4858' MSL.

Rwy 22, vehicle on road beginning 5' from DER, 281' left of centerline, up to 15' AGL/4840' MSL.

Tree 152' from DER, 419' right of centerline, 4833' MSL.

Tank, vehicle on road beginning 340' from DER, 272' left of centerline, up to 4846' MSL.

Rwy 31, building 31' from DER, 249' right of centerline, 5' AGL/4843' MSL.

MASON, TX

MASON COUNTY (T92)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1 or std. w/ min. climb of 440' per NM to 1800.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 176° to 2100' before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 469' from DER, 87' left of centerline, up to 35' AGL/1555' MSL.

Rwy 36, trees beginning 379' from DER, left and right of centerline, up to 35' AGL/1538' MSL.

T-L tower 3061' from DER, 1185' left of centerline, 95' AGL/1628' MSL.

T-L towers beginning 3625' from DER, 193' left of centerline, up to 85' AGL/1641' MSL.

T-L towers beginning 4435' from DER, 303' right of centerline, up to 90' AGL/1667' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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MC ALLEN, TX

MC ALLEN INTL (MFE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10DEC15 (23054) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1½ or std. w/min. climb of 296' per NM to 500'.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 792' from DER, 593' left of centerline, up to 44' AGL/139' MSL.**Rwy 32**, trees and poles beginning 709' from DER, 362' left of centerline, up to 52' AGL/157' MSL.

Tree 1019' from DER, 627' right of centerline, 42' AGL/142' MSL.

Rwy 36, pole 581' from DER, on centerline, 19' AGL/122' MSL.

Tower 198' from DER, 335' left of centerline, 38' AGL/140' MSL.

Buildings and trees beginning 652' from DER, 36' left of centerline, up to 50' AGL/155' MSL.

Towers, poles and buildings beginning 635' from DER, 25' right of centerline, up to 62' AGL/166' MSL.

Buildings 2016' from DER, 860' right of centerline, 89' AGL/197' MSL.

Buildings 1.29 NM from DER, 243' right of centerline, 263' AGL/394' MSL.

MIDLAND, TX

MIDLAND AIRPARK (MDD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 16AUG18 (18228) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 400-2½ or std. w/min. climb of 220' per NM to 3300.**Rwy 25**, 300-1½ or std. w/min. climb of 230' per NM to 3100, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 7, vehicles on road and tree beginning 87' from DER, 360' left of centerline, up to 2803' MSL.

Vegetation 218' from DER, 441' right of centerline, 2797' MSL.

Poles beginning 316' from DER, 443' left of centerline, up to 50' AGL/2840' MSL.

Poles beginning 1601' from DER, 252' left of centerline, up to 52' AGL/2843' MSL.

Pole 1868' from DER, 377' left of centerline, 52' AGL/2849' MSL.

Pole 2136' from DER, 343' left of centerline, 52' AGL/2855' MSL.

Pole 2403' from DER, 309' left of centerline, 52' AGL/2859' MSL.

Poles beginning 2688' from DER, 256' left of centerline, up to 52' AGL/2861' MSL.

Rwy 16, vegetation 37' from DER, 490' right of centerline, 2803' MSL.

Pole 196' from DER, 498' right of centerline, 33' AGL/2827' MSL.

Pole 318' from DER, 449' right of centerline, 34' AGL/2828' MSL.

Poles and trees beginning 613' from DER, 296' right of centerline, up to 42' AGL/2834' MSL.

Pole 826' from DER, 454' left of centerline, 32' AGL/2822' MSL.

Tree 856' from DER, 227' left of centerline, 2829' MSL.

Trees beginning 1098' from DER, 291' right of centerline, up to 2842' MSL.

Poles beginning 1269' from DER, 664' left of centerline, up to 51' AGL/2839' MSL.

Tower 2 NM from DER, 3181' left of centerline, 354' AGL/3136' MSL.

Building 2 NM from DER, 3680' left of centerline, 354' AGL/3135' MSL.

Rwy 25, pole 104' from DER, 519' right of centerline, 67' AGL/2870' MSL.

Poles beginning 373' from DER, 316' right of centerline, up to 69' AGL/2873' MSL.

Tree and sign beginning 642' from DER, 205' left of centerline, up to 2840' MSL.

Poles, lighting, and tree beginning 644' from DER, 12' right of centerline, up to 71' AGL/2876' MSL.

Tree, pole, and lighting beginning 681' from DER, 76' left of centerline, up to 2842' MSL.

Building and trees beginning 866' from DER, 38' left of centerline, up to 40' AGL/2851' MSL.

Tower 5309' from DER, 1326' right of centerline, 137' AGL/2956' MSL.

Rwy 34, vehicles on road 572' from DER, 423' left of centerline, 2816' MSL.

Pole and trees beginning 635' from DER, 329' right of centerline, up to 51' AGL/2843' MSL.

Tree 838' from DER, 484' left of centerline, 2825' MSL.

Trees beginning 1216' from DER, 328' right of centerline, up to 2850' MSL.

MIDLAND INTL AIR AND SPACE PORT (MAF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 22JUN17 (17173) (FAA)

TAKEOFF MINIMUMS:

Rwy 34L, 300-1½ or std. w/min. climb of 400' per NM to 3200.**Rwy 34R**, 300-1½ or std. w/min. climb of 320' per NM to 3200.

TAKEOFF OBSTACLE NOTES:

Rwy 4, trees beginning 24' from DER, 34' right of centerline, up to 40' AGL/2903' MSL.

Rods, towers and domes beginning 1231' from DER, 442' left of centerline, up to 108' AGL/2963' MSL.

Rwy 10, rods, antennas, and lights beginning 72' from DER, 40' right of centerline, up to 20' AGL/2874' MSL.

Trees, poles, and signs beginning 1296' from DER, 457' left of centerline, up to 40' AGL/2913' MSL.

Rwy 16L, signs and poles beginning 94' from DER, 20' left of centerline, up to 30' AGL/2877' MSL.

Railroad beginning 530' from DER, 17' left of centerline, 23' AGL/2869' MSL.

Vehicles on road beginning 301' from DER, 268' left of centerline, 17' AGL/2862' MSL.

Rwy 16R, pole 1794' from DER, 975' right of centerline, 55' AGL/2906' MSL.

CONT



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

MIDLAND, TX (CON'T)

MIDLAND INTL AIR AND SPACE PORT (MAF) (CON'T)

Rwy 22, tower, poles, lights, and antenna beginning 111' from DER, 66' right of centerline, up to 102' AGL/2986' MSL.
Hangars 1112' from DER, 600' right of centerline, 55' AGL/2906' MSL.
Tower, poles, and sign beginning 83' from DER, 62' left of centerline, up to 120' AGL/2971' MSL.
Rwy 34L, drilling rigs beginning 201' from DER, 178' right of centerline, up to 165' AGL/3037' MSL.
Drilling rigs beginning 3228' from DER, 769' left of centerline, 165' AGL/3056' MSL.
Rwy 34R, vehicles on road beginning 256' from DER, 10' right of centerline, up to 17' AGL/2881' MSL.
Trees and bushes beginning 171' from DER, 80' right of centerline, up to 40' AGL/2878' MSL.
Poles and fence beginning 28' from DER, 109' right of centerline, up to 38' AGL/2903' MSL.
Fence beginning 83' from DER, 271' left of centerline, 8' AGL/2872' MSL.
Windmill, poles and trees beginning 1239' from DER, 116' left of centerline, up to 66' AGL/2913' MSL.
Drilling rig 5540' from DER, 267' left of centerline, 165' AGL/3025' MSL.

MONAHANS, TX

ROY HURD MEML (E01)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 31MAY12 (21224) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 400-1½ or std. w/min. climb of 434' per NM to 3100.
Rwy 12, 300-1 or std. w/min. climb of 552' per NM to 2900.

TAKEOFF OBSTACLE NOTES:

Rwy 1, vehicles on road, trees, and power line and poles beginning 185' from DER, left and right of centerline, up to 40' AGL/2649' MSL.
Tower 1.2 NM from DER, 211' right of centerline, 303' AGL/2928' MSL.
Rwy 12, bush 75' from DER, 479' left of centerline, 12' AGL/2617' MSL.
Trees and a pole beginning 778' from DER, 23' right of centerline, up to 31' AGL/2641' MSL.
Trees beginning 1041' from DER, 29' left of centerline, up to 42' AGL/2652' MSL.
Tower 2283' from DER, 909' left of centerline, 130' AGL/2744' MSL.
Rwy 19, vehicle on road 215' from DER, 457' right of centerline, 15' AGL/2624' MSL.
Rwy 30, fence, railroad, poles, and trees beginning 56' from DER, 106' right of centerline, up to 44' AGL/2649' MSL.
Vehicle on road, light pole, building, and poles beginning 294' from DER, 41' left of centerline, up to 50' AGL/2655' MSL.

NEW BRAUNFELS, TX

NEW BRAUNFELS NTL (BAZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 25JUN15 (21336) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, poles beginning 1236' from DER, 277' right of centerline, up to 40' AGL/678' MSL.
Poles beginning 1238' from DER, 557' left of centerline, up to 41' AGL/677' MSL.
Trees beginning 1339' from DER, 211' right of centerline, up to 55' AGL/690' MSL.
Rwy 35, airport visual aid 56' from DER, 25' right of centerline, 3' AGL/649' MSL.

ODESSA, TX

ODESSA-SCHLEMEYER FLD (ODO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 13SEP18 (21308) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-2 or std. w/min. climb of 255' per NM to 3400, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient. Takeoff must occur no later than 1300 feet prior to DER.
Rwy 20, 300-2½ or std. w/min. climb of 225' per NM to 3400, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient. Takeoff must occur no later than 2100' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 2, vehicles on roadway 184' from DER, left and right of centerline, up to 13' AGL/3013' MSL.
Rwy 16, tower 1.5 NM from DER, 2759' right of centerline, 145' AGL/3205' MSL.
Rwy 20, tower 2.0 NM from DER, 1311' left of centerline, 340' AGL/3287' MSL.
Rwy 29, rising terrain, trees and poles beginning 8' from DER, 495' right of centerline, up 3012' MSL.
Rwy 34, vehicles on roadway beginning 48' from DER, left and right of centerline, up to 16' AGL/3001' MSL.
Hangars 739' from DER, 628' left of centerline, 25' AGL/3012' MSL.
Antenna 1104' from DER, 185' right of centerline, 45' AGL/3032' MSL.

ORANGE GROVE NALF (KNOG)

ORANGE GROVE, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 13JUN24 (24165) (USN)

TAKEOFF OBSTACLE NOTES:

Rwy 31, terrain 0' from DER, 500' right of centerline, 260' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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OZONA, TX

OZONA MUNI (OZA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10JUL03 (03191) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-1 or std. with a min. climb of 445' per NM to 2700.**Rwy 34**, 200-1½ or std. with a min. climb of 380' per NM to 2600.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees 3686' from DER, 354' left of centerline, 100' AGL/2560' MSL.

Trees 4436' from DER, 355' left of centerline, 100' AGL/2574' MSL.

Rwy 34, trees 1363' from DER, 638' left of centerline, 100' AGL/2529' MSL.

Trees 3479' from DER, 791' left of centerline, 100' AGL/2535' MSL.

Trees 7679' from DER, 932' left of centerline, 100' AGL/2593' MSL.

PEARSALL, TX

MC KINLEY FLD (T30)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17NOV11 (22111) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning abeam DER, 300' left of centerline, up to 40' AGL/605' MSL.

Transmission lines beginning 1777' from DER, across centerline, up to 80' AGL/642' MSL.

Rwy 31, train on track 496' from DER, across centerline, 23' AGL/610' MSL.

Vehicle on road 291' from DER, across centerline, 15' AGL/602' MSL.

PECOS, TX

PECOS MUNI (PEQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20SEP12 (12264) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, bush 170' from DER, 252' right of centerline, up to 7' AGL/2607' MSL.**Rwy 32**, bush 129' from DER, 348' left of centerline, up to 9' AGL/2614' MSL.

PLEASANTON, TX

PLEASANTON MUNI (PEZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20NOV08 (08325) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, vehicle on road 108' from DER, 285' left of centerline, 15' AGL/424' MSL.

Fence 135' from DER, 194' left of centerline, 3' AGL/412' MSL.

Fence 235' from DER, 38' right of centerline, 3' AGL/412' MSL.

Trees beginning 246' from DER, 56' left of centerline, up to 100' AGL/529' MSL.

Trees beginning 173' from DER, 154' right of centerline, up to 100' AGL/529' MSL.

Rwy 34, vehicle on road 136' from DER, left to right of centerline, up to 15' AGL/444' MSL.

Fence 191' from DER, 251' left of centerline, 3' AGL/442' MSL.

Trees beginning 210' from DER, 51' left of centerline, up to 100' AGL/539' MSL.

Tree 172' from DER, 74' right of centerline, 100' AGL/529' MSL.

PORT ARANSAS, TX

MUSTANG BEACH (RAS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15JAN09 (09015) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 12, transmission towers and poles beginning 43' from DER, 28' right of centerline, up to 81' AGL/86' MSL. Building 2435' from DER, 967' right of centerline, 130' AGL/135' MSL.

Transmission towers and poles beginning 1141' from DER, 13' left of centerline, up to 83' AGL/88' MSL.

Rwy 30, boat 1657' from DER, 915' left of centerline, 50' AGL/50' MSL.

PORT ISABEL, TX

CAMERON COUNTY (PIL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 19JUL18 (25163) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std. w/min. climb of 243' per NM to 700 or 900-3 for VCOA.**Rwy 21**, 600-3 w/min. climb of 231' per NM to 700 or std. w/min. climb of 312' per NM to 700 or 900-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 13, climb on heading 130° to 500 before turning right.**Rwy 17**, climb on heading 175° to 600 before turning right.

VCOA:

Rwy 17, obtain ATC approval for VCOA when requesting IFR clearance: climb in visual conditions to cross Cameron County airport at or above 800 before proceeding on course.

CONT

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

PORT ISABEL, TX (CON'T)

CAMERON COUNTY (PIL) (CON'T)

Rwy 21, obtain ATC approval for VCOA when requesting IFR clearance: climb in visual conditions to cross Cameron County airport at or above 800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 15' from DER, 5' right of centerline, up to 100' AGL/117' MSL.
Trees beginning 200' from DER, 25' left of centerline, up to 100' AGL/117' MSL.
Rwy 8, trees beginning 141' from DER, 109' right of centerline, up to 100' AGL/117' MSL.
Trees beginning 142' from DER, 183' left of centerline, up to 100' AGL/117' MSL.
Rwy 13, trees beginning 6' from DER, 6' left of centerline, up to 100' AGL/117' MSL.
Trees beginning 26' from DER, 15' right of centerline, up to 100' AGL/117' MSL.
Rwy 17, trees beginning 183' from DER, 84' right of centerline, up to 100' AGL/117' MSL.
Trees beginning 185' from DER, 178' left of centerline, up to 100' AGL/117' MSL.
Rwy 21, trees beginning 90' from DER, 19' left of centerline, up to 100' AGL/117' MSL.
Trees beginning 246' from DER, 0' of centerline, up to 100' AGL/117' MSL.
Windmill 2.1 NM from DER, 2541' left of centerline, 492' AGL/512' MSL.
Windmill 2.2 NM from DER, 1999' left of centerline, 492' AGL/514' MSL.
Windmill 2.4 NM from DER, 1377' left of centerline, 499' AGL/522' MSL.
Rwy 26, trees beginning 6' from DER, 208' right of centerline, up to 100' AGL/117' MSL.
Trees beginning 7' from DER, 83' left of centerline, up to 100' AGL/117' MSL.
Rwy 35, trees beginning 158' from DER, 202' right of centerline, up to 100' AGL/114' MSL.
Trees beginning 765' from DER, 63' left of centerline, up to 100' AGL/114' MSL.
Trees beginning 3191' from DER, 61' left of centerline, up to 100' AGL/117' MSL.

PRESIDIO, TX

PRESIDIO LELY INTL (PRS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03APR14 (14093) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std. w/min. climb of 230' per NM to 5600, or 1900-3 for climb in visual conditions.
Rwy 35, std. w/min. climb of 280' per NM to 5700, or 1900-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 17, climbing left turn to 9000 on heading 045° and MRF VOR/DME R-185 to MRF VOR/DME, or for climb in visual conditions, cross Presidio Lely Intl airport at or above 4700, then climb to 9000 on heading 021° and MRF VOR/DME R-197 to MRF VOR/DME. When executing VCOA, notify ATC prior to departure.
Rwy 35, climbing right turn to 9000 on heading 065° and MRF VOR/DME R-190 to MRF VOR/DME, or for climb in visual conditions, cross Presidio Lely Intl airport at or above 4700, then climb to 9000 on heading 021° and MRF VOR/DME R-197 to MRF VOR/DME. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 17, brush abeam DER, left and right of centerline, up to 10' AGL/2929' MSL.
Power line 990' from DER, 762' left of centerline, 86' AGL/3005' MSL.
Vehicles on road, 990' from DER, 762' left of centerline, 17' AGL/2936' MSL.
Rwy 35, brush abeam DER, left and right of centerline, up to 10' AGL/3089' MSL.
Powerlines beginning 2978' from DER, 749' right of centerline, up to 86' AGL/3205' MSL.
Vehicles on road, 2978' from DER, 1291' right of centerline, up to 17' AGL/3016' MSL.

ROBSTOWN, TX

NUECES COUNTY (RBO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 30JAN20 (20030) (FAA)

TAKEOFF MINIMUMS:

Rwy 13, std. w/min. climb of 267' per NM to 1400 or 1400-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 13, climb heading 129° to 1400 before turning eastbound or northbound. For climb in visual conditions, cross Nueces County airport at or above 1300' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.
Rwy 31, climb heading 309° to 700 before turning southeast bound.

TAKEOFF OBSTACLE NOTES:

Rwy 13, tower 4.8 NM from DER, 5070' right of centerline, 989' AGL/1049' MSL.
Poles beginning 1005' from DER, 347' right of centerline, up to 42' AGL/116' MSL.
Poles, vehicles on road, post, transmission tower and grain bin/silo beginning at DER, 69' left of centerline, up to 62' AGL/136' MSL.
Rwy 31, vehicles on road and pole beginning 2' from DER, 250' right of centerline, 15' AGL/93' MSL.

ROCKPORT, TX

ARANSAS COUNTY (RKP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15MAR07 (07074) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, road plus vehicle 500' from DER, 593' left of centerline, 17' AGL/40' MSL.
Rwy 18, antenna 5599' from DER, 602' left of centerline, 160' AGL/171' MSL.
Rwy 32, road plus vehicle 291' from DER, 533' left of centerline, 17' AGL/40' MSL.
Rwy 36, road plus vehicle 576' from DER, 597' left of centerline, 17' AGL/40' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

ROCKSPRINGS, TX

EDWARDS COUNTY (ECU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, multiple trees beginning 1076' from DER, 22' right of centerline, up to 100' AGL/2459' MSL.**Rwy 32**, fence 101' from DER, 35' left of centerline, 5' AGL/2374' MSL.

Multiple trees beginning 318' from DER, 71' left of centerline, up to 100' AGL/2479' MSL.

Multiple trees beginning 992' from DER, 532' right of centerline, up to 100' AGL/2479' MSL.

SAN ANGELO, TX

SAN ANGELO RGNL/MATHIS FLD (SJT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 26AUG10 (21112) (FAA)

DEPARTURE PROCEDURE:

Rwy 27, climb to 2500 before turning right.**Rwy 36**, climb to 2600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 3, fence 8' from DER, 490' right of centerline, 3' AGL/1896' MSL.**Rwy 18**, multiple trees and poles beginning 112' from DER, 183' left of centerline, up to 43' AGL/1962' MSL.

Multiple trees and poles beginning 1076' from DER, 114' right of centerline, up to 47' AGL/1966' MSL.

Catenary 1779' from DER, 457' right of centerline, 45' AGL/1964' MSL.

Rwy 27, multiple trees beginning 482' from DER, 74' left of centerline, up to 24' AGL/1933' MSL.

Light pole 1040' from DER, 252' left of centerline, 22' AGL/1931' MSL.

Tree 538' from DER, 226' right of centerline, 21' AGL/1930' MSL.

SAN ANTONIO, TX

BOERNE STAGE AIRFIELD (5C1)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 18JAN07 (23166) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 169° to 2000 before turning westbound.**Rwy 35**, climb heading 349° to 2800 before turning westbound.

TAKEOFF OBSTACLE NOTES:

Rwy 17, tree, pole beginning 20' from DER, 34' left of centerline, up to 1446' MSL.

Tree, pole beginning 47' from DER, 12' right of centerline, up to 1410' MSL.

Pole, tree beginning 788' from DER, 526' left of centerline, up to 1448' MSL.

Trees beginning 1005' from DER, 566' left of centerline, up to 1451' MSL.

Tree 2244' from DER, 986' right of centerline, 1450' MSL.

Tree 2327' from DER, 1069' right of centerline, 1455' MSL.

Tree 2464' from DER, 1005' left of centerline, 1452' MSL.

Tree 2465' from DER, 1093' right of centerline, 1457' MSL.

Tree 2531' from DER, 1082' left of centerline, 1454' MSL.

Trees beginning 2569' from DER, 980' right of centerline, up to 1471' MSL.

Trees beginning 2659' from DER, 1037' right of centerline, up to 1476' MSL.

Rwy 35, building beginning 3' from DER, 221' right of centerline, up to 1400' MSL.

Trees beginning 79' from DER, 175' right of centerline, up to 1412' MSL.

Tree, pole beginning 103' from DER, 8' left of centerline, up to 1416' MSL.

Trees beginning 163' from DER, 23' right of centerline, up to 1431' MSL.

Pole, tree beginning 207' from DER, 37' left of centerline, up to 1418' MSL.

Pole, tree beginning 246' from DER, 103' left of centerline, up to 1422' MSL.

Trees beginning 437' from DER, 573' left of centerline, up to 1426' MSL.

Trees beginning 584' from DER, 78' left of centerline, up to 1428' MSL.

Trees beginning 778' from DER, 371' left of centerline, up to 1430' MSL.

SAN ANTONIO INTL (SAT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1B 31OCT24 (24305) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 4, tree 399' from DER, 604' left of centerline, 777' MSL.**Rwy 13R**, sign 43' from DER, 256' right of centerline, 3' AGL/781' MSL.

Antenna 1012' from DER, 729' right of centerline, 43' AGL/814' MSL.

Tower 1034' from DER, 722' right of centerline, 50' AGL/820' MSL.

Building 3802' from DER, 1487' right of centerline, 117' AGL/881' MSL.

Rwy 22, pole 9' from DER, 4' right of centerline, 1' AGL/787' MSL.

Pole 10' from DER, 5' left of centerline, 1' AGL/787' MSL.

Building, pole beginning 1198' from DER, 700' right of centerline, up to 33' AGL/825' MSL.

Pole 2153' from DER, 937' right of centerline, 22' AGL/840' MSL.

Pole 2209' from DER, 1041' right of centerline, 21' AGL/847' MSL.

Pole 2276' from DER, 1086' right of centerline, 20' AGL/849' MSL.

Sign 2713' from DER, 1034' right of centerline, 75' AGL/857' MSL.

Poles beginning 3080' from DER, 1236' right of centerline, up to 23' AGL/869' MSL.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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SC-3

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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SAN ANTONIO, TX (CON'T)

SAN ANTONIO INTL (SAT) (CON'T)

Rwy 31L, lighting 10' from DER, 128' right of centerline, 2' AGL/810' MSL.
 NAVAID 11' from DER, 5' left of centerline, 1' AGL/810' MSL.
 Vehicle on road 188' from DER, 474' right of centerline, 815' MSL.
 Pole 1931' from DER, 910' left of centerline, 38' AGL/867' MSL.
 Pole 2357' from DER, 913' left of centerline, 37' AGL/874' MSL.
 Sign 2435' from DER, 1042' right of centerline, 61' AGL/873' MSL.
 Tower 2767' from DER, 833' left of centerline, 45' AGL/891' MSL.
 Pole 3127' from DER, 1140' left of centerline, 42' AGL/892' MSL.
Rwy 31R, lighting 10' from DER, 92' right of centerline, 4' AGL/798' MSL.
 Sign 60' from DER, 204' left of centerline, 3' AGL/799' MSL.
 Utility building, NAVAID beginning 62' from DER, 187' left of centerline, up to 6' AGL/802' MSL.
 Tower, antenna beginning 1260' from DER, 590' left of centerline, up to 56' AGL/854' MSL.

STINSON MUNI (SSF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 31OCT24 (24305) (FAA)

TAKEOFF MINIMUMS:

Rwy 9, std w/min climb of 230'/NM to 1900, or 1000-3 for VCOA.
Rwy 27, 300-1 5/8 or std w/min climb of 225'/NM to 900 or alternatively, with std takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to DER.

DEPARTURE PROCEDURE:

Rwy 14, climb on heading 137° to 1200 before turning left.
Rwy 32, climb on heading 317° to 1500 before turning right.

VCOA:

Rwy 9, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Stinson Muni airport at or above 1400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 9, trees beginning 75' from DER, 399' left of centerline, up to 38' AGL/597' MSL.
 Trees, vehicles on road, poles, building beginning 246' from DER, 247' left of centerline, up to 48' AGL/601' MSL.
 Trees, poles beginning 832' from DER, 486' left of centerline, up to 607' MSL.
 Tree 1349' from DER, 660' right of centerline, 74' AGL/604' MSL.
 Tree 1546' from DER, 880' right of centerline, 80' AGL/606' MSL.
 Tower 5133' from DER, 696' left of centerline, 148' AGL/702' MSL.
Rwy 14, tree, vehicle on road beginning 9' from DER, 159' right of centerline, up to 577' MSL.
 Vehicle on road 36' from DER, 397' left of centerline, 559' MSL.
 Trees, vehicles on road, fence beginning 64' from DER, on centerline, up to 55' AGL/586' MSL.
 Vehicle on road 173' from DER, 87' left of centerline, 561' MSL.
 Trees, vehicles on road beginning 189' from DER, 1' left of centerline, up to 25' AGL/572' MSL.
 Trees beginning 255' from DER, 1' right of centerline, up to 596' MSL.
 Trees, vehicle on road beginning 334' from DER, 34' left of centerline, up to 35' AGL/574' MSL.
 Trees beginning 356' from DER, 54' left of centerline, up to 38' AGL/575' MSL.
 Tree 363' from DER, 164' left of centerline, 40' AGL/578' MSL.
 Trees beginning 366' from DER, 39' left of centerline, up to 43' AGL/579' MSL.
 Trees beginning 383' from DER, 56' left of centerline, up to 45' AGL/581' MSL.
 Trees beginning 416' from DER, 16' left of centerline, up to 584' MSL.
 Trees beginning 457' from DER, 10' left of centerline, up to 587' MSL.
 Trees, poles, buildings beginning 539' from DER, on and left of centerline, up to 598' MSL.
 Trees beginning 697' from DER, on and right of centerline, up to 39' AGL/598' MSL.
 Trees, pole beginning 740' from DER, 13' right of centerline, up to 601' MSL.
 Trees, pole beginning 746' from DER, 10' left of centerline, up to 605' MSL.
 Trees, poles beginning 828' from DER, 17' left of centerline, up to 607' MSL.
 Trees, poles, solar panels beginning 857' from DER, 4' right of centerline, up to 48' AGL/604' MSL.
 Trees beginning 941' from DER, 12' left of centerline, up to 610' MSL.
 Trees beginning 1048' from DER, 1' left of centerline, up to 77' AGL/615' MSL.
 Trees beginning 1111' from DER, 1' left of centerline, up to 80' AGL/619' MSL.
 Pole, trees beginning 1312' from DER, 9' right of centerline, up to 607' MSL.
 Pole 1461' from DER, 807' right of centerline, 617' MSL.
 Poles, trees beginning 1479' from DER, 41' right of centerline, up to 619' MSL.
 Poles, trees beginning 1589' from DER, 33' right of centerline, up to 620' MSL.
 Transmission line 4205' from DER, 133' right of centerline, 119' AGL/663' MSL.
Rwy 27, vehicle on road 40' from DER, 303' left of centerline, 589' MSL.
 Trees, vehicles on road, pole beginning 40' from DER, 16' left of centerline, up to 606' MSL.
 Fence 41' from DER, 30' right of centerline, 8' AGL/584' MSL.
 Vehicle on road 110' from DER, 58' right of centerline, 593' MSL.
 Vehicle on road 122' from DER, 109' right of centerline, 594' MSL.
 Vehicle on road 129' from DER, 143' right of centerline, 595' MSL.
 Poles, vehicles on road, trees beginning 142' from DER, 4' right of centerline, up to 37' AGL/619' MSL.
 Poles, trees beginning 492' from DER, 5' left of centerline, up to 613' MSL.
 Poles, trees, buildings beginning 619' from DER, 32' left of centerline, up to 44' AGL/616' MSL.
 Poles, trees, building beginning 702' from DER, 27' right of centerline, up to 41' AGL/620' MSL.
 Pole 857' from DER, 175' right of centerline, 39' AGL/621' MSL.
 Poles, buildings, trees beginning 867' from DER, 11' right of centerline, up to 624' MSL.
 Poles, trees beginning 925' from DER, 61' left of centerline, up to 41' AGL/618' MSL.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

SAN ANTONIO, TX (CON'T)

STINSON MUNI (SSF) (CON'T)

Rwy 27 (CON'T), poles, buildings, trees beginning 1025' from DER, 57' right of centerline, up to 627' MSL.

Tree 1077' from DER, 159' left of centerline, 41' AGL/619' MSL.

Trees, buildings, poles beginning 1078' from DER, on centerline, up to 641' MSL.

Trees, pole beginning 1096' from DER, 100' left of centerline, up to 42' AGL/622' MSL.

Trees, pole beginning 1104' from DER, 111' left of centerline, up to 45' AGL/624' MSL.

Tree 1132' from DER, 89' left of centerline, 49' AGL/629' MSL.

Trees beginning 1147' from DER, 121' left of centerline, up to 55' AGL/634' MSL.

Trees, poles, building beginning 1150' from DER, 13' left of centerline, up to 58' AGL/639' MSL.

Trees, poles beginning 1460' from DER, 4' right of centerline, up to 649' MSL.

Trees, pole beginning 1886' from DER, 219' right of centerline, up to 654' MSL.

Trees beginning 2027' from DER, 125' right of centerline, up to 655' MSL.

Trees beginning 2325' from DER, 135' right of centerline, up to 656' MSL.

Trees beginning 2358' from DER, 132' left of centerline, up to 65' AGL/649' MSL.

Tree 3569' from DER, 1381' right of centerline, 668' MSL.

Tank 1.3 NM from DER, 1333' right of centerline, 177' AGL/802' MSL.

Rwy 32, fence beginning 18' from DER, 19' left of centerline, up to 8' AGL/578' MSL.

Fence beginning 34' from DER, 5' right of centerline, up to 7' AGL/578' MSL.

Pole, vehicles on road beginning 44' from DER, 48' left of centerline, up to 35' AGL/605' MSL.

Vehicles on road beginning 55' from DER, on and right of centerline, up to 586' MSL.

Pole, fence, trees, vehicle on road beginning 65' from DER, 25' left of centerline, up to 606' MSL.

Trees, vehicles on road, fence, sign, pole beginning 98' from DER, 18' right of centerline, up to 43' AGL/610' MSL.

Trees, vehicles on road beginning 181' from DER, 75' left of centerline, up to 610' MSL.

Trees, vehicles on road beginning 236' from DER, 1' left of centerline, up to 619' MSL.

Trees, vehicles on road beginning 311' from DER, 19' right of centerline, up to 615' MSL.

Tree, vehicle on road beginning 432' from DER, 226' left of centerline, up to 625' MSL.

Tree 529' from DER, 409' left of centerline, 628' MSL.

Trees beginning 578' from DER, on and left of centerline, up to 630' MSL.

Trees beginning 581' from DER, 73' right of centerline, up to 46' AGL/618' MSL.

Trees beginning 619' from DER, 4' right of centerline, up to 46' AGL/619' MSL.

Trees beginning 741' from DER, 49' right of centerline, up to 46' AGL/620' MSL.

Trees beginning 791' from DER, 13' right of centerline, up to 50' AGL/622' MSL.

Trees beginning 893' from DER, 24' right of centerline, up to 631' MSL.

Trees beginning 1078' from DER, on and right of centerline, up to 635' MSL.

Trees beginning 1470' from DER, 7' left of centerline, up to 637' MSL.

Trees beginning 1569' from DER, 37' right of centerline, up to 65' AGL/639' MSL.

Trees beginning 1591' from DER, 14' right of centerline, up to 68' AGL/642' MSL.

Trees beginning 1603' from DER, 33' left of centerline, up to 646' MSL.

Pole 2097' from DER, 504' left of centerline, 648' MSL.

Poles, trees beginning 2164' from DER, 219' left of centerline, up to 649' MSL.

Poles, tree beginning 2305' from DER, 260' left of centerline, up to 663' MSL.

Poles beginning 2439' from DER, 618' left of centerline, up to 75' AGL/668' MSL.

Antenna, tower beginning 3887' from DER, 1295' left of centerline, up to 676' MSL.

SAN SABA, TX

SAN SABA COUNTY MUNI (81R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30NOV23 (23334) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, vegetation beginning 14' from DER, 182' left of centerline, up to 1244' MSL.

Vehicle on road, fences beginning 17' from DER, 271' right of centerline, up to 1256' MSL.

Vegetation beginning 103' from DER, 203' left of centerline, up to 4' AGL/1246' MSL.

Poles, vehicle on road, tree beginning 215' from DER, 268' right of centerline, up to 29' AGL/1268' MSL.

Vehicle on road beginning 462' from DER, 65' left of centerline, up to 1257' MSL.

Tree 522' from DER, 382' left of centerline, 1265' MSL.

Rwy 31, vegetation 5' from DER, 196' left of centerline, 3' AGL/1259' MSL.

Vegetation beginning 6' from DER, 172' right of centerline, up to 1262' MSL.

Trees, vegetation, terrain, fence beginning 7' from DER, 129' left of centerline, up to 26' AGL/1286' MSL.

Vegetation beginning 54' from DER, 152' right of centerline, up to 4' AGL/1264' MSL.

Vegetation beginning 95' from DER, 159' right of centerline, up to 1267' MSL.

Vehicle on road 365' from DER, 586' right of centerline, 1276' MSL.

Tree 464' from DER, 455' right of centerline, 1285' MSL.

Trees, vehicle on road beginning 574' from DER, 121' right of centerline, up to 1290' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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SC-3

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

SINTON, TX

SINTON (T69)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13NOV14 (24137) (FAA)

TAKEOFF MINIMUMS:

Rwys 3, 21, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 14, climb runway heading to 800 prior to turning east.

TAKEOFF OBSTACLE NOTES:

Rwy 32, vehicle on road 29' from DER, 308' right of centerline, 15' AGL/64' MSL.

SMITHVILLE, TX

SMITHVILLE CRAWFORD MUNI (84R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 300-1% or std. w/min. climb of 300' per NM to 600, or 1000-3 for VCOA.**Rwy 35**, 300-1% or std. w/min. climb of 330' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 17, climb on heading 169° to 800 before turning right.

VCOA:

Rwy 17, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Smithville Crawford Muni airport at or above 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, tree 108' from DER, 293' right of centerline, 340' MSL.

Tree 113' from DER, 297' left of centerline, 340' MSL.

Trees beginning 197' from DER, 296' right of centerline, up to 31' AGL/342' MSL.

Trees beginning 302' from DER, 294' left of centerline, up to 341' MSL.

Tree 334' from DER, 297' right of centerline, 344' MSL.

Tree 648' from DER, 160' left of centerline, 343' MSL.

Trees beginning 682' from DER, 7' left of centerline, up to 28' AGL/346' MSL.

Tree 778' from DER, 131' left of centerline, 30' AGL/348' MSL.

Tree 836' from DER, 128' left of centerline, 32' AGL/349' MSL.

Tree 858' from DER, 119' left of centerline, 34' AGL/351' MSL.

Tree 866' from DER, 106' right of centerline, 31' AGL/348' MSL.

Tree 910' from DER, 120' left of centerline, 38' AGL/355' MSL.

Tree 1040' from DER, 490' right of centerline, 366' MSL.

Tree 1136' from DER, 251' left of centerline, 40' AGL/358' MSL.

Tree, poles beginning 1172' from DER, 583' left of centerline, up to 363' MSL.

Poles, catenary wires beginning 1357' from DER, 10' left of centerline, up to 388' MSL.

Catenary wires 1390' from DER, 84' right of centerline, 50' AGL/367' MSL.

Tower, catenary wires beginning 1393' from DER, 35' right of centerline, up to 52' AGL/369' MSL.

Catenary wires 1396' from DER, 466' right of centerline, 374' MSL.

Transmission line 1396' from DER, 185' right of centerline, 65' AGL/383' MSL.

Tower, pole, catenary wires, electrical system, trees beginning 1406' from DER, 323' right of centerline, up to 384' MSL.

Tank 4154' from DER, 773' left of centerline, 152' AGL/474' MSL.

Water tower 4157' from DER, 771' left of centerline, 156' AGL/477' MSL.

Tank 5314' from DER, 76' left of centerline, 165' AGL/488' MSL.

Water tower 5322' from DER, 72' left of centerline, 166' AGL/489' MSL.

Rwy 35, fence 104' from DER, 294' left of centerline, 6' AGL/327' MSL.

Sign, trees, vehicle on road beginning 297' from DER, 357' right of centerline, up to 34' AGL/360' MSL.

Tree 311' from DER, 472' left of centerline, 332' MSL.

Trees beginning 522' from DER, 53' left of centerline, up to 340' MSL.

Trees, pole beginning 903' from DER, 65' left of centerline, up to 362' MSL.

Trees, poles, building beginning 1075' from DER, 322' right of centerline, up to 384' MSL.

Trees beginning 1270' from DER, 14' left of centerline, up to 40' AGL/366' MSL.

Trees, building, pole beginning 1296' from DER, 16' right of centerline, up to 408' MSL.

Trees, sign, pole beginning 1319' from DER, 6' left of centerline, up to 52' AGL/379' MSL.

Trees, pole beginning 1409' from DER, 168' right of centerline, up to 412' MSL.

Trees, terrain, poles beginning 1489' from DER, 124' right of centerline, up to 420' MSL.

Trees, fence, terrain, building beginning 1560' from DER, 2' right of centerline, up to 426' MSL.

Trees beginning 1666' from DER, 4' left of centerline, up to 52' AGL/385' MSL.

Trees, terrain, fence beginning 1828' from DER, 1' right of centerline, up to 434' MSL.

Trees beginning 1884' from DER, 71' left of centerline, up to 387' MSL.

Trees beginning 1910' from DER, 8' left of centerline, up to 56' AGL/392' MSL.

Tree 2113' from DER, 7' left of centerline, 34' AGL/395' MSL.

Trees, building, terrain, fence beginning 2151' from DER, 23' right of centerline, up to 56' AGL/449' MSL.

Trees, pole beginning 2161' from DER, 47' left of centerline, up to 34' AGL/401' MSL.

Trees, terrain, building beginning 2249' from DER, 16' left of centerline, up to 29' AGL/413' MSL.

Trees beginning 2350' from DER, 27' left of centerline, up to 29' AGL/416' MSL.

Trees, building beginning 2360' from DER, 64' left of centerline, up to 29' AGL/417' MSL.

Poles, trees, terrain beginning 2439' from DER, 9' right of centerline, up to 44' AGL/455' MSL.

Pole, tree beginning 2452' from DER, 31' left of centerline, up to 32' AGL/423' MSL.

CONT

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

SMITHVILLE, TX (CON'T)

SMITHVILLE CRAWFORD MUNI (84R) (CON'T)

Rwy 35 (CON'T), trees, buildings, electrical systems, terrain, poles, fences beginning 2535' from DER, 3' left of centerline, up to 33' AGL/434' MSL.
 Trees, terrain, poles, fences, electrical system, vehicle on road beginning 2550' from DER, 7' right of centerline, up to 54' AGL/465' MSL.
 Trees, terrain, building, pole beginning 2944' from DER, 9' left of centerline, up to 33' AGL/438' MSL.
 Trees, fences beginning 2990' from DER, 84' left of centerline, up to 439' MSL.
 Tree 3039' from DER, 57' left of centerline, 35' AGL/456' MSL.
 Trees, terrain, building, poles, fence, vehicle on road, electrical system beginning 3051' from DER, 3' left of centerline, up to 467' MSL.
 Tree, vehicle on road beginning 3097' from DER, 54' right of centerline, up to 50' AGL/466' MSL.
 Trees, vehicle on road, pole, electrical systems beginning 3113' from DER, 1' right of centerline, up to 53' AGL/468' MSL.
 Trees, vehicle on road, poles beginning 3462' from DER, 3' left of centerline, up to 47' AGL/468' MSL.
 Trees, vehicle on road, poles beginning 3601' from DER, 66' right of centerline, up to 47' AGL/469' MSL.
 Trees beginning 3668' from DER, 110' left of centerline, up to 38' AGL/469' MSL.
 Trees, vehicle on road, electrical systems, terrain, pole beginning 3712' from DER, 24' right of centerline, up to 45' AGL/472' MSL.
 Trees beginning 3723' from DER, 155' left of centerline, up to 36' AGL/470' MSL.
 Trees, terrain beginning 3736' from DER, 24' left of centerline, up to 42' AGL/476' MSL.
 Trees, buildings, vehicle on road, fences, pole, terrain, electrical system beginning 3838' from DER, 3' right of centerline, up to 39' AGL/473' MSL.
 Trees beginning 3924' from DER, 107' left of centerline, up to 56' AGL/477' MSL.
 Trees beginning 3945' from DER, 3' left of centerline, up to 64' AGL/482' MSL.
 Trees beginning 4053' from DER, 23' right of centerline, up to 38' AGL/480' MSL.
 Trees, electrical system beginning 4094' from DER, 6' right of centerline, up to 36' AGL/483' MSL.
 Trees, terrain, pole beginning 4167' from DER, on centerline, up to 49' AGL/484' MSL.
 Trees beginning 4320' from DER, 5' right of centerline, up to 49' AGL/488' MSL.
 Trees, vehicle on road, pole beginning 4365' from DER, 3' right of centerline, up to 56' AGL/492' MSL.
 Trees beginning 4431' from DER, 2' left of centerline, up to 492' MSL.
 Trees, vehicle on road beginning 4781' from DER, 22' right of centerline, up to 494' MSL.
 Trees beginning 4827' from DER, 2' left of centerline, up to 55' AGL/495' MSL.
 Trees beginning 4844' from DER, 54' right of centerline, up to 36' AGL/495' MSL.
 Trees, vehicle on road beginning 4858' from DER, 306' right of centerline, up to 42' AGL/498' MSL.
 Trees, pole beginning 4861' from DER, 29' right of centerline, up to 37' AGL/506' MSL.
 Trees, vehicle on road, electrical system beginning 4889' from DER, on centerline, up to 49' AGL/517' MSL.
 Trees, poles, buildings beginning 4922' from DER, 2' left of centerline, up to 52' AGL/499' MSL.
 Trees, vehicle on road, building, terrain, pole beginning 4965' from DER, on centerline, up to 51' AGL/521' MSL.
 Trees beginning 5373' from DER, 6' left of centerline, up to 506' MSL.
 Trees beginning 5583' from DER, 245' left of centerline, up to 508' MSL.
 Trees, building beginning 5598' from DER, 1' left of centerline, up to 510' MSL.
 Trees beginning 5655' from DER, 30' left of centerline, up to 517' MSL.
 Trees beginning 5747' from DER, 478' left of centerline, up to 522' MSL.
 Trees, poles, vehicle on road, electrical systems, building beginning 5751' from DER, 12' left of centerline, up to 523' MSL.
 Trees beginning 1.3 NM from DER, 425' right of centerline, up to 545' MSL.
 Tree 1.4 NM from DER, 368' right of centerline, 551' MSL.

SONORA, TX

SONORA MUNI (SOA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (15232) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, 300-1 or std. w/min. climb gradient of 553' per NM to 2400.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 182° to 2900 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 18, buildings beginning 683' from DER, left and right of centerline, up to 27' AGL/2163' MSL.
 Trees and terrain beginning 2233' from DER, 686' right of centerline, up to 50' AGL/2309' MSL.
 Tower 4860' from DER, 1458' right of centerline, 75' AGL/2287' MSL.
Rwy 36, fence beginning 2' from DER, left and right of centerline, up to 5' AGL/2144' MSL.
 Vehicles on road beginning 8' from DER, left and right of centerline, up to 10' AGL/2149' MSL.
 Tree 65' from DER, 462' right of centerline, 48' AGL/2178' MSL.
 Tree 247' from DER, 337' left of centerline, 47' AGL/2187' MSL.
 Trees beginning 278' from DER, 439' right of centerline, up to 27' AGL/2157' MSL.
 Tree 759' from DER, 508' left of centerline, 15' AGL/2195' MSL.
 Trees and terrain beginning 981' from DER, 258' left of centerline, up to 39' AGL/2269' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

TAYLOR, TX

TAYLOR MUNI (T74)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 17AUG17 (17229) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, transmission line towers beginning 2212' from DER, 17' left of centerline, up to 50' AGL/656' MSL.

Transmission line towers beginning 2298' from DER, 463' right of centerline, up to 85' AGL/649' MSL.

Transmission line tower 2365' from DER, 1041' right of centerline, 110' AGL/661' MSL.

Rwy 35, vehicles on road 773' from DER, 544' left of centerline, 630' MSL.

Pole and tree beginning 829' from DER, 442' left of centerline, up to 28' AGL/642' MSL.

Vehicles on road 1105' from DER, 427' right of centerline, 635' MSL.

Tree 1129' from DER, 415' right of centerline, 639' MSL.

Poles beginning 1150' from DER, 474' right of centerline, up to 30' AGL/644' MSL.

TEMPLE, TX

DRAUGHON-MILLER CENTRAL TEXAS RGNL (TPL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 08SEP22 (22251) (FAA)

DEPARTURE PROCEDURE:

Rwy 3, climb on heading between 085° CW to 200° from DER or climb on heading between 200° CW to 345° from DER to 3600 before proceeding on course or minimum climb of 250' per NM to 3200 for all other courses.

Rwy 34, climb on heading between 070° CW to 155° from DER or climb on heading between 155° CW to 330° from DER to 3600 before proceeding on course or min. climb of 240' per NM to 3200 for all other courses.

TAKEOFF OBSTACLE NOTES:

Rwy 3, vegetation beginning 176' from DER, 416' left of centerline, up to 680' MSL.

Tree 279' from DER, 362' right of centerline, 680' MSL.

Tree 1267' from DER, 750' left of centerline, 699' MSL.

Rwy 16, vegetation 60' from DER, 209' left of centerline, 680' MSL.

Rwy 21, hangars beginning 548' from DER, 571' right of centerline, up to 18' AGL/697' MSL.

Rwy 34, tree 306' from DER, 473' right of centerline, 695' MSL.

Tree 479' from DER, 545' right of centerline, 701' MSL.

UVALDE, TX

GARNER FLD (UVA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05MAY11 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees and poles beginning 70' from DER, 374' left of centerline, up to 100' AGL/1039' MSL.

Trees and poles beginning 208' from DER, 359' right of centerline, up to 100' AGL/1059' MSL.

Rwy 33, vehicle on roadway 622' from DER, left and right of centerline, up to 15' AGL/966' MSL.

Trees beginning 744' from DER, 636' left of centerline, up to 100' AGL/1059' MSL.

Trees beginning 861' from DER, 269' right of centerline, up to 100' AGL/1049' MSL.

VAN HORN, TX

CULBERSON COUNTY (VHN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, std. w/min. climb of 445' per NM to 7400 or 2500-3 for VCOA.

Rwy 7, std. w/min. climb of 445' per NM to 11000 or 2500-3 for VCOA.

Rwy 21, std. w/min. climb of 435' per NM to 12000 or 2500-3 for VCOA.

Rwy 25, std. w/min. climb of 500' per NM to 7800 or 2500-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 3, climb on heading 035° to 7200 before proceeding on course.

Rwy 7, climb on heading 074° to 7700 before proceeding on course.

Rwy 21, climb on heading 215° to 5200 before proceeding on course.

Rwy 25, climb on heading 254° to 7500 before proceeding on course.

VCOA:

Rwys 3, 7, 21, 25, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Culberson County airport at or above 6300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, tree, vegetation beginning 16' from DER, 133' right of centerline, up to 11' AGL/3928' MSL.

Trees, vegetation beginning 45' from DER, 147' left of centerline, up to 11' AGL/3929' MSL.

Tree, vehicle on road, vegetation beginning 135' from DER, 389' right of centerline, up to 17' AGL/3930' MSL.

Trees, vehicle on road beginning 248' from DER, 343' right of centerline, up to 18' AGL/3931' MSL.

Rwy 7, trees beginning 60' from DER, 12' right of centerline, up to 100' AGL/4018' MSL.

Trees 119' from DER, 215' left of centerline, 100' AGL/4015' MSL.

Trees beginning 148' from DER, 12' left of centerline, up to 100' AGL/4018' MSL.

Rwy 21, tree, vegetation beginning 49' from DER, 291' right of centerline, up to 10' AGL/3969' MSL.

Vegetation beginning 84' from DER, 404' left of centerline, up to 3961' MSL.

Trees 4132' from DER, 1604' right of centerline, 100' AGL/4090' MSL.

CONT

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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SC-3

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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VAN HORN, TX (CON'T)

CULBERSON COUNTY (VHN) (CON'T)

Rwy 25, trees, vehicle on road beginning 12' from DER, 59' right of centerline, up to 100' AGL/4060' MSL.

Trees 791' from DER, 523' right of centerline, 100' AGL/4067' MSL.

Trees 1051' from DER, 548' right of centerline, 100' AGL/4074' MSL.

Trees 1310' from DER, 573' right of centerline, 100' AGL/4077' MSL.

Trees beginning 1340' from DER, 21' right of centerline, up to 100' AGL/4080' MSL.

Trees 1629' from DER, 4' left of centerline, 100' AGL/4077' MSL.

Trees beginning 2060' from DER, 46' right of centerline, up to 100' AGL/4083' MSL.

Trees 2178' from DER, 255' left of centerline, 100' AGL/4080' MSL.

Trees beginning 2320' from DER, 71' right of centerline, up to 100' AGL/4090' MSL.

Trees beginning 2438' from DER, 229' left of centerline, up to 100' AGL/4083' MSL.

Trees beginning 2579' from DER, 97' right of centerline, up to 100' AGL/4093' MSL.

Trees beginning 2697' from DER, 178' left of centerline, up to 100' AGL/4090' MSL.

Trees beginning 2839' from DER, 122' right of centerline, up to 100' AGL/4100' MSL.

Trees beginning 3217' from DER, 153' left of centerline, up to 100' AGL/4093' MSL.

Trees beginning 3477' from DER, 77' left of centerline, up to 100' AGL/4097' MSL.

Trees beginning 3589' from DER, 198' right of centerline, up to 100' AGL/4103' MSL.

Trees beginning 4108' from DER, 249' right of centerline, up to 100' AGL/4110' MSL.

Trees beginning 4256' from DER, 51' left of centerline, up to 100' AGL/4100' MSL.

Trees beginning 4368' from DER, 24' right of centerline, up to 100' AGL/4113' MSL.

Trees beginning 4515' from DER, 1' left of centerline, up to 100' AGL/4106' MSL.

Trees beginning 5377' from DER, 75' right of centerline, up to 100' AGL/4116' MSL.

Trees beginning 5584' from DER, 226' left of centerline, up to 100' AGL/4110' MSL.

Trees 5637' from DER, 1910' right of centerline, 100' AGL/4120' MSL.

Trees beginning 5666' from DER, 100' right of centerline, up to 100' AGL/4123' MSL.

Trees beginning 5844' from DER, 175' left of centerline, up to 100' AGL/4116' MSL.

Trees beginning 5897' from DER, 125' right of centerline, up to 100' AGL/4126' MSL.

Trees beginning 1 NM from DER, 1081' right of centerline, up to 100' AGL/4129' MSL.

WACO, TX

MC GREGOR EXEC (PWG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 13DEC90 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 17, 22, 35, 2000-3 or std. w/min. climb of 280' per NM to 3000.

DEPARTURE PROCEDURE:

Rwys 17, 22, climb via ACT R-195 to 3000 before proceeding on course.

Rwys 4, 35, climb runway heading to 3000 before proceeding on course.

TSTC WACO (CNW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 05DEC19 (19339) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17L, terrain 104' from DER, 473' right of centerline, 460' MSL.

Terrain 198' from DER, 467' right of centerline, 464' MSL.

Poles beginning 1123' from DER, 584' left of centerline, up to 45' AGL/493' MSL.

Rwy 17R, vehicles on roads beginning at DER, 365' right of centerline, up to 10' AGL/479' MSL.

Trees beginning 750' from DER, 482' right of centerline, up to 66' AGL/514' MSL.

Trees beginning 870' from DER, 238' right of centerline, up to 81' AGL/530' MSL.

Tree 1239' from DER, 449' left of centerline, 497' MSL.

Tree 1568' from DER, 629' left of centerline, 500' MSL.

Tree 1924' from DER, 73' left of centerline, 512' MSL.

Rwy 35L, aircraft on taxiway at DER, on centerline, 65' AGL/532' MSL.

Aircraft on taxiway 783' from DER, 478' left of centerline, 65' AGL/534' MSL.

Aircraft on taxiway 808' from DER, 315' right of centerline, 65' AGL/518' MSL.

Tree 2349' from DER, 669' left of centerline, 537' MSL.

Tree 2877' from DER, 1044' left of centerline, 539' MSL.

Rwy 35R, tree 2082' from DER, 897' left of centerline, 523' MSL.

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

WACO, TX (CON'T)

WACO RGNL (ACT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 12JUN25 (25163) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 1, light poles, terrain beginning 9' from DER, 14' right of centerline, up to 1' AGL/503' MSL.

Light poles, terrain beginning 9' from DER, 15' left of centerline, up to 1' AGL/503' MSL.

Terrain 19' from DER, 33' right of centerline, 504' MSL.

Pole 1170' from DER, 594' left of centerline, 33' AGL/534' MSL.

Rwy 19, light poles 10' from DER, 54' left of centerline, 1' AGL/509' MSL.

Light poles 10' from DER, 64' right of centerline, 1' AGL/509' MSL.

Building 590' from DER, 257' right of centerline, 41' AGL/524' MSL.

Rwy 32, trees beginning 482' from DER, 20' left of centerline, up to 565' MSL.

Tree 762' from DER, 244' right of centerline, 30' AGL/529' MSL.

Trees beginning 763' from DER, 30' right of centerline, up to 41' AGL/545' MSL.

Trees beginning 887' from DER, 3' right of centerline, up to 556' MSL.

WESLACO, TX

MID VALLEY (TXW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMD'T 1 02MAR17 (17061) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climbing left turn heading 360° to 1800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, road, fence, sign, tree, bldg, beginning 4' from DER, 174' left of centerline, up to 84' MSL.

Road, fence, beginning 18' from DER, 442' right of centerline, up to 82' MSL.

Road 71' from DER, 502' right of centerline, 83' MSL.

Tree, flagpole, road, pole, beginning 94' from DER, 421' left of centerline, up to 26' AGL/90' MSL.

Flagpole, road, beginning 110' from DER, 373' left of centerline, up to 31' AGL/96' MSL.

Tree, road, fence, beginning 161' from DER, 429' left of centerline, up to 33' AGL/98' MSL.

Pole, beginning 220' from DER, 408' left of centerline, up to 32' AGL/99' MSL.

Pole, tree, beginning 242' from DER, 412' left of centerline, up to 34' AGL/101' MSL.

Light pole, beginning 284' from DER, 462' left of centerline, up to 38' AGL/103' MSL.

Pole, tree, lt pole, beginning 289' from DER, 349' left of centerline, up to 37' AGL/105' MSL.

Pole, tree, lt pole, beginning 360' from DER, 307' left of centerline, up to 39' AGL/106' MSL.

Pole 499' from DER, 475' right of centerline, 31' AGL/98' MSL.

Pole 499' from DER, 471' right of centerline, 30' AGL/99' MSL.

Tower, tree, pole, lt pole, ant, flagpole, bldg, beginning 511' from DER, 264' left of centerline, up to 60' AGL/131' MSL.

Catenary, road, pole, beginning 520' from DER, 468' right of centerline, up to 33' AGL/100' MSL.

Pole, tree, beginning 546' from DER, 337' right of centerline, up to 33' AGL/101' MSL.

Tree, lt pole, catenary, beginning 745' from DER, 268' right of centerline, up to 42' AGL/108' MSL.

Antenna, pole, catenary, beginning 1422' from DER, 437' right of centerline, up to 59' AGL/127' MSL.

Flagpole, pole, beginning 1711' from DER, 763' right of centerline, up to 75' AGL/142' MSL.

Rwy 32, road, fence, beginning 17' from DER, 345' left of centerline, up to 82' MSL.

Tree 64' from DER, 510' left of centerline, 29' AGL/95' MSL.

Tree 69' from DER, 496' left of centerline, 32' AGL/97' MSL.

Pole 109' from DER, 524' left of centerline, 33' AGL/100' MSL.

Pole, road, tree, bldg, beginning 111' from DER, 261' left of centerline, up to 38' AGL/103' MSL.

Road, beginning 562' from DER, 396' right of centerline, up to 87' MSL.

Road 630' from DER, 391' right of centerline, 88' MSL.

Road, beginning 659' from DER, 75' right of centerline, up to 89' MSL.

Trees, beginning 881' from DER, 571' left of centerline, up to 40' AGL/106' MSL.

WINK, TX

WINKLER COUNTY (INK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 10MAR11 (11069) (FAA)

DEPARTURE PROCEDURE:

Rwy 13, climb heading 147° to 3400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, power lines beginning 524' from DER, right and left of centerline, up to 30' AGL/2829' MSL.

Trees beginning 742' from DER, right and left of centerline, up to 50' AGL/2859' MSL.

Rwy 13, trees beginning 133' from DER, 307' right of centerline, up to 50' AGL/2822' MSL.

Vehicles on road beginning 535' from DER, right and left of centerline, up to 15' AGL/2829' MSL.

Rwy 31, trees beginning 49' from DER, 396' left of centerline, up to 50' AGL/2832' MSL.

Trees beginning 1563' from DER, 585' right of centerline, up to 50' AGL/2874' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



25163

WINTERS, TX

WINTERS MUNI (77F)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 12JUN25 (25163) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, tree 103' from DER, 275' left of centerline, 25' AGL/1892' MSL.

Trees beginning 105' from DER, 16' left of centerline, up to 25' AGL/1896' MSL.

Tree 107' from DER, 241' right of centerline, 25' AGL/1902' MSL.

Trees, fence beginning 109' from DER, 70' right of centerline, up to 25' AGL/1912' MSL.

Tree 406' from DER, 277' left of centerline, 25' AGL/1902' MSL.

Trees beginning 408' from DER, 18' left of centerline, up to 25' AGL/1905' MSL.

Tree 710' from DER, 279' left of centerline, 25' AGL/1909' MSL.

Trees beginning 711' from DER, 20' left of centerline, up to 25' AGL/1912' MSL.

Trees beginning 1016' from DER, 233' right of centerline, up to 25' AGL/1915' MSL.

Trees beginning 1318' from DER, 24' left of centerline, up to 25' AGL/1915' MSL.

Rwy 36, trees beginning 23' from DER, 5' left of centerline, up to 25' AGL/1892' MSL.

Trees beginning 26' from DER, 248' right of centerline, up to 25' AGL/1886' MSL.

YOAKUM, TX

YOAKUM MUNI (T85)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10MAR11 (11069) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicle on road, 179' from DER, 237' left of centerline, up to 15' AGL/364' MSL.**Rwy 31**, vehicle on road, 77' from DER, 257' right of centerline, up to 15' AGL/384' MSL.

YOAKUM DEFRENN AHP (KHLR)

FORT CAVAZOS, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (23278) (USA)

TAKEOFF MINIMUMS:

Rwys 16, 34, climb of 400' per NM, for copter use only.

TAKEOFF OBSTACLE NOTES:

Rwy 34, bldgs beginning 538' from DER, 588' left of centerline, up to 50' AGL/967' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 05OCT23 (23278) (USA)

Rwys 16, 34, climb of 400' per NM, as assigned by ATC.

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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.
ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

ALICE, TX

ALICE INTL (ALI).....**LOC/DME Rwy 31¹²**
RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31¹²
VOR Rwy 31¹²
VOR-A³

¹NA when local weather not available.
²Category D, 800-2¼.
³Categories A, B, 900-2; Category C, 900-2¾, Category D, 900-3.

ALPINE, TX

ALPINE-CASPARIS
MUNI (E38).....**RNAV (GPS) Rwy 19¹**
RNAV (GPS) Rwy 23²

¹Category B, 1000-2; Category C, 1300-3.
²Category A, 900-2; Category B, 1000-2; Category C, 1300-3.

AUSTIN, TX

AUSTIN
EXEC (EDC).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

AUSTIN, TX (CON'T)

SAN MARCOS
RGNL (HY1).....**NDB Rwy 13¹**
RNAV (GPS) Rwy 8²
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 26²
RNAV (GPS) Rwy 31²
RNAV (GPS) Rwy 35²

NA when local weather not available.
¹Category D, 800-2¼.
²Category D, 800-2¼; Category E, 800-2¾.

BEEVILLE, TX

BEEVILLE MUNI (BEA).....**RNAV (GPS) Rwy 30**
Category C, 800-2½.

BIG LAKE, TX

REAGAN COUNTY (E41).....**RNAV (GPS) Rwy 16**
NA when local weather not available.
Category C, 800-2¼.

BRADY, TX

CURTIS FLD (BBB).....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

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NAME ALTERNATE MINIMUMS
FREDERICKSBURG, TX
 GILLESPIE
 COUNTY (T82).....RNAV (GPS) Rwy 14
 RNAV (GPS) Rwy 32
 VOR/DME-A

NA when local weather not available.
 Category C, 900-2½.

GEORGETOWN, TX
 GEORGETOWN
 EXEC (GTU).....RNAV (GPS) Rwy 11¹
 RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 29¹
 RNAV (GPS) Rwy 36

Category D, 900-2¾.
¹NA when local weather not available.

HARLINGEN, TX
 VALLEY INTL (HRL).....ILS or LOC Rwy 18R¹
 ILS or LOC Rwy 36L
 RNAV (GPS) Rwy 18L
 RNAV (GPS) Rwy 36R
 RNAV (GPS) Y Rwy 13
 RNAV (GPS) Y Rwy 18R
 RNAV (GPS) Y Rwy 31
 RNAV (GPS) Y Rwy 36L
 VOR Rwy 18L
 VOR Rwy 36L
 VOR Y or TACAN Rwy 31²
 VOR Z Rwy 31

NA when local weather not available.
¹NA when control tower closed.
²Categories A, B, 1000-2; Categories C, D, 1000-3.

HEBRONVILLE, TX
 JIM HOGG
 COUNTY (HBV).....RNAV (GPS) Rwy 13
 NA when local weather not available.

HONDO, TX
 SOUTH TEXAS RGNL
 AT HONDO (HDO).....RNAV (GPS) Rwy 17L
 RNAV (GPS) Rwy 35R
 NA when local weather not available.

INGLESIDE, TX
 INGLESIDE RGNL (TFP).....RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 31
 NA when local weather not available.
 Category C, 900-2½; Category D, 1000-3.

KENEDY, TX
 KENEDY RGNL (2R9).....RNAV (GPS) Rwy 34
 NA when local weather not available.

NAME ALTERNATE
KERRVILLE, TX
 KERRVILLE MUNI/LOUIS SCHREINER
 FLD (ERV).....RNAV (GPS) Rwy 12¹
 RNAV (GPS) Rwy 30²
 VOR-A³

NA when local weather not available.
¹Category C, 800-2¼; Category D, 1000-3.
²Category C, 800-2¼.
³Categories A, B, 900-2, Category C, 900-2½.

LAGO VISTA, TX
 LAGO VISTA TX/
 RUSTY ALLEN (RYW).....RNAV (GPS) Rwy 15
 NA when local weather not available.

LAJITAS, TX
 LAJITAS INTL (T89).....RNAV (GPS) Rwy 7¹
 RNAV (GPS) Y Rwy 25²
 NA when local weather not available.
¹Categories A, B, 1600-2; Categories C, D, 1600-3.
²Categories A, B, 1400-2; Category C, 1400-3,
 Category D, 1600-3.

LAMPASAS, TX
 LAMPASAS (LZZ).....RNAV (GPS) Rwy 34
 VOR-A
 NA when local weather not available.

LAREDO, TX
 LAREDO INTL (LRD).....ILS or LOC Rwy 18R¹²
 LOC BC Rwy 36L¹²
 RNAV (GPS) Rwy 14³
 RNAV (GPS) Rwy 18L³
 RNAV (GPS) Rwy 18R³
 RNAV (GPS) Rwy 32³
 RNAV (GPS) Rwy 36L³
 VOR or TACAN Rwy 14³
 VOR or TACAN Rwy 32³

¹NA when control tower closed.
²LOC, Category D, 800-2¼; Category E, 800-2½.
³Category D, 800-2¼; Category E, 800-2½.

LLANO, TX
 LLANO MUNI (AQO).....RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 35
 NA when local weather not available.

MARFA, TX
 MARFA MUNI (MRF).....RNAV (GPS) Rwy 31
 VOR Rwy 31
 Category D, 1000-3.

NAME

ALTERNATE MINIMUMS

SAN ANTONIO, TX (CON'T)

SAN ANTONIO

INTL (SAT).....ILS or LOC Rwy 13R¹

ILS or LOC Rwy 31L¹

RNAV (GPS) Y Rwy 4²

RNAV (GPS) Y Rwy 13R²

RNAV (GPS) Y Rwy 22²

RNAV (GPS) Y Rwy 31L²

¹LOC, Category D, 800-2¼.

²Category D, 800-2¼.

SINTON, TX

SINTON (T69).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

VOR Rwy 14

NA when local weather not available.

SONORA, TX

SONORA MUNI (SOA).....RNAV (GPS) Rwy 18

NA when local weather not available.

Category A, 900-2; Category B, 1000-2.

TAYLOR, TX

TAYLOR

MUNI (T74)..... RNAV (GPS) Rwy 17

VOR Rwy 17

NA when local weather not available.

TEMPLE, TX

DRAUGHON-MILLER CENTRAL

TEXAS RGNL (TPL).....RNAV (GPS) Rwy 16

RNAV (GPS) Rwy 34

NA when local weather not available.

Category D, 800-2¼.

UVALDE, TX

GARNER FLD (UVA).....RNAV (GPS) Rwy 33

Category D, 800-2¼.

VAN HORN, TX

CULBERSON

COUNTY (VHN).....RNAV (GPS) Rwy 21

Category D, 1700-3.

WACO, TX

TSTC WACO (CNW).....NDB Rwy 35R¹²

RNAV (GPS) Rwy 17L

RNAV (GPS) Rwy 35R

NA when local weather not available.

¹NA when Waco Rgnl approach control closed.

²Category D, 800-2¼.

MC GREGOR

EXEC (PWG).....RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 35

NA when local weather not available.

NAME

ALTERNATE

WACO, TX (CON'T)

WACO RGNL (ACT).....ILS or LOC Rwy 19¹

RNAV (GPS) Rwy 1

RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 19

RNAV (GPS) Rwy 32

VOR/DME Rwy 32

NA when local weather not available.

¹NA when control tower closed.

WESLACO, TX

MID

VALLEY (TXW).....RNAV (GPS) Rwy 14¹

VOR-A

NA when local weather not available.

¹Category D, 900-2¼.

WINK, TX

WINKLER

COUNTY (INK).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

VOR Rwy 13

NA when local weather not available.

Category C, 800-2¼.

RADAR INSTRUMENT APPROACH MINIMUMS

BIGGS AAF (KBIF), Fort Bliss, TX Amdt 8 30NOV23 (23334) (USA)

RADAR - 124.15 307.0 **T** **A** NA

ELEV 3947

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATh/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR ¹	22		AB	4460-¾	513	(600-¾)
			CDE	4460-1	513	(600-1)
C CIR ²	22		AB	4560-1	613	(700-1)
			C	4560-1¾	613	(700-1¾)
			D	4560-2	613	(700-2)
			E	4560-2¼	613	(700-2¼)

¹When ALS inop, increase CAT AB vis to 1¼ mile, CAT CDE vis to 1½ miles.
²CAT DE circling west of Rwy 4-22 NA.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP), Corpus Christi, TX
Amdt 3 30NOV23 (23334) (USN)

ELEV 19

RADAR - (E) 6835 124.65 270.8 284.6 337.2 354.8



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	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>
PAR ¹	13R ²	3.0°/48/877	ABCDE	113-¾	100	(100-¾)
	18	3.0°/50/913	ABCDE	118-½	100	(100-½)
	31L	3.0°/51/959	ABCDE	117-½	100	(100-½)
	36	3.0°/50/937	ABCDE	118-½	100	(100-½)
PAR W/O GS ¹	13R ³		ABCDE	340-¾	327	(400-¾)
	18		ABCDE	340-1	322	(400-1)
	36		AB	400-1	382	(400-1)
			CDE	400-1½	382	(400-1½)
	31L		AB	420-1	403	(500-1)
			CDE	420-1½	403	(500-1½)
ASR	18		AB	400-1	382	(400-1)
			CDE	400-1½	382	(400-1½)
	13R ^{4 6 7}		AB	420-¾	407	(500-¾)
			CDE	420-1	407	(500-1)
	13L		AB	420-1	402	(500-1)
			CDE	420-1½	402	(500-1½)
	4 ⁷		AB	460-1	443	(500-1)
			CDE	460-1¾	443	(500-1¾)
	31L		AB	460-1	443	(500-1)
			CDE	460-1¾	443	(500-1¾)
	31R		AB	460-1	442	(500-1)
			CDE	460-1¾	442	(500-1¾)
	36		AB	460-1	442	(500-1)
			CDE	460-1¾	442	(500-1¾)
CIR ⁵	All Rwys		A	460-1	442	(500-1)
			B	480-1	462	(500-1)
			C	520-1½	502	(600-1½)
			DE	580-2	562	(600-2)

¹No-NOTAM MP: PAR Mon 1300-1700Z++.
²When ALS inop, increase CAT ABCDE vis to ½ mile.
³When ALS inop, increase CAT ABCDE vis to 1 mile.
⁴When ALS inop increase CAT AB vis to 1 mile, CAT CDE vis to 1½ miles.
⁵Circling authorized only from ASR and PAR W/O GS.
⁶SDF at 2 NM from thld, 680' min.
⁷SDF at 3 NM from thld, 980' min.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

EL PASO, TX
EL PASO INTL (ELP)
RADAR-1 124.25 298.85

Amdt 15D, 29DEC22 (22363) (FAA)

ELEV 3962

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	22		AB	4440/24	490	(500-½)	CDE	4440/50	490	(400-1)
	26L		ABCDE	4400-¾	438	(500-¾)				
	4		AB	4400/55	477	(500-1¼)	CD	4400-1½	477	(500-1½)
			E	NA						
CIRCLING ALL RWY			AB	4440-1	478	(500-1)	C	4480-1½	518	(600-1½)
			D	4680-2¼	718	(800-2¼)	E	4700-2½	738	(800-2½)

Circling NA for CATS D and E W of Rwy 4-22.
Rwy 4 Circling Cat E NA.
For inoperative ALS, increase S-22 CAT C/D/E visibility to 1 3/8 SM, increase S-26L CAT A/B visibility to 1 SM, and CAT E to 1 1/4 SM.
Caution: steeply rising terrain 4.5 NM west of airport.

FORT CAVAZOS (KILLEEN), TX
ROBERT GRAY AAF (GRK)
RADAR-1 - 120.075 323.15 NA

Orig-B, 30NOV23 (23334) (FAA)

ELEV 1015

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	33		AB	1460-¾	465	(500-¾)	CDE	1460-1	465	(500-1)
	15		AB	1520/40	505	(600-¾)	CDE	1520/55	505	(600-1¼)
CIRCLING ALL RWY			AB	1540-1¼	525	(600-1¼)	C	1560-1½	545	(600-1½)
			D	1620-2	605	(700-2)	E	1740-2½	725	(800-2½)

Circling NA W of Rwy 15-33.
For inoperative ALS, increase ASR S-15 and ASR S-33 CATS C/D/E visibility to 1½ mile.

FORT CAVAZOS (KILLEEN), TX
ROBERT GRAY AAF (GRK)
RADAR-2 - 120.075 323.15 NA

Orig-A, 24MAY18 (23334) (FAA)

ELEV 1015


	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
PAR	33	3.00°/53/973	ABCDE	1208-½	213	(200-½)
	15	3.00°/51/1062	ABCDE	1215/24	200	(200-½)

For inoperative ALS, increase PAR S-15 CAT E visibility to RVR 4000 and PAR S-33 CAT E visibility to ¾ SM.
Rwy 15 VGSI and PAR glidepath not coincident (VGSI Angle 3.00/TCH 71).
Rwy 33 VGSI and PAR glidepath not coincident (VGSI Angle 2.77/TCH 52).


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RADAR INSTRUMENT APPROACH MINIMUMS

KINGSVILLE NAS (KNQI), Kingsville, TX Amdt 2 23MAR23 (23082) (USN)
RADAR¹ - (E) 121.05x 254.4x 263.075x 269.35x 305.2x 310.8x 349.0x 355.6x 

ELEV 50

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
PAR ²	35R ³	3.0°/50/937	ABCDE	148-¼	100	(100-¼)
	13L	3.0°/50/949	ABCDE	149-½	100	(100-½)
	13R ⁵	3.0°/50/972	ABCDE	150-½	100	(100-½)
	17R	3.0°/50/961	ABCDE	149-½	100	(100-½)
	31R	3.0°/50/907	ABCDE	144-½	100	(100-½)
	35L ⁴	3.0°/50/951	ABCDE	148-½	100	(100-½)
PAR W/O GS ²	35R ⁷		ABCDE	380-¾	332	(400-¾)
	17R ⁶		ABCDE	360-1	311	(400-1)
	31R ⁸		ABCDE	380-1	336	(400-1)
	35L		ABCDE	380-1	332	(400-1)
	13L		AB	460-1	411	(500-1)
			CDE	460-1½	411	(500-1½)
	13R ⁵		AB	460-1	410	(500-1)
			CDE	460-1½	410	(500-1½)
	ASR	35R ⁷	AB	420-½	372	(400-½)
			CDE	420-¾	372	(400-¾)
		17L ⁹	ABCDE	400-1	351	(400-1)
		17R ⁹	ABCDE	400-1	351	(400-1)
		31L ⁹	ABCDE	380-1	333	(400-1)
		31R ⁹	ABCDE	380-1	336	(400-1)
	35L		ABCDE	420-1	372	(400-1)
	13L ⁹		AB	460-1	411	(500-1)
			CDE	460-1½	411	(500-1½)
	13R ⁹		AB	460-1	410	(500-1)
			CDE	460-1½	410	(500-1½)
 CIR ¹⁰	ALL RWYS ¹¹		AB	540-1	490	(500-1)
			C	760-2	710	(800-2)
			D	760-2¼	710	(800-2¼)
			E	760-2½	710	(800-2½)

¹Use landing/taxi lights when conducting apch during VMC. DASR-11 unmt0 dur hr of afld closure.

²No NOTAM MP: PAR 1300-1700Z++ Wed. Maint conducted next bus day if clsd on Wed.

³When ALS inop, increase vis to ½ mile.

⁴When tower closed, increase vis to 1 mile

⁵VGSI and descent angles not coincident (VGSI 3.00/TCH 33).

⁶Step Down Fix at 3 NM from RPI, cross at or above 1100 ft.

⁷When ALS inop, increase vis to 1 mile.

⁸Step Down Fix at 2 NM from RPI, cross at or above 740 ft.

⁹Step Down Fix at 2 NM from rwy, cross at or above 720 ft.

¹⁰Circling authorized only from PAR W/O GS and ASR.

¹¹Circling to Rwy 31L NA at night .

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RADAR INSTRUMENT APPROACH MINIMUMS


RADAR INSTRUMENT APPROACH MINIMUMS

WACO, TX

Amdt 1B, 15JUN23 (23166) (FAA)

ELEV 592

MC GREGOR EXEC (PWG)

RADAR-1 127.65 352.0 



	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	17		AB D	1260-1 NA	668	(700-1)	C	1260-1½	668	(700-1½)
CIRCLING	ALL RWY		AB D	1260-1 NA	668	(700-1)	C	1300-2	708	(800-2)

WACO, TX

Amdt 4, 11FEB10 (10042) (FAA)

ELEV 470

TSTC WACO (CNW)

RADAR-1 127.65 227.125  

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	17L		AB D	1080-½ 1080-1½	611 611	(700-½) (700-1½)	C	1080-1¼	611	(700-1¼)
CIRCLING	ALL RWY		AB D	1080-1 1080-2	610 610	(700-1) (700-2)	C	1080-1¾	610	(700-1¾)


When Waco Regional approach control closed, ASR not authorized.

WACO, TX

Amdt 4, 23SEP10 (14317) (FAA)

ELEV 516

WACO RGNL (ACT)

RADAR-1 127.65 227.125 

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	19		ABC	880/24	376	(400-½)	D	880/50	376	(400-1)
	1		ABC	860-1	351	(400-1)	D	860-1¼	351	(400-1¼)
	14		AB	920-1	407	(500-1)	CD	920-1¼	407	(500-1¼)
	32		AB	1020-1	504	(600-1)	CD	1020-1½	504	(600-1½)
CIRCLING	ALL RWY		AB D	1020-1 1080-2	504 564	(600-1) (600-2)	C	1020-1½	504	(600-1½)

For inoperative MALSR increase S-19 CAT D visibility to RVR 6000.
When control tower closed, ASR NA.

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RADAR INSTRUMENT APPROACH MINIMUMS

14261

LAND AND HOLD-SHORT OPERATIONS (LAHSO)

THERE ARE NO LAND AND HOLD
SHORT OPERATIONS (LAHSO)
FOR SC-3 VOLUME

SC-3, 12 JUN 2025 to 07 AUG 2025

14261

SC-3, 12 JUN 2025 to 07 AUG 2025

24361

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or ellipses designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
AUSTIN, TX AUSTIN-BERGSTROM INTL (AUS)	HS 1 HS 2	E service road, Traffic on crossing Twy G and Twy H. Risk of surface incident. Acdt exiting Rwy 36R on Twy G some times turn onto Twy H thinking it is a continuation of Twy G.
SAN MARCOS RGNL (HYI)	HS 1 HS 2	Int of Rwy 26 and Rwy 35. Int of Rwy 31, Twy F and Rwy 35.
EL PASO, TX EL PASO INTL (ELP)	HS 1	Rwy 08R apch considered active, do not proceed on or cross without ATC clnc especially when taxiing to Rwy 04 via the terminal ramp.
GEORGETOWN, TX GEORGETOWN EXEC (GTU)	HS 1 HS 2	Int of Twy J and Twy A. Int of Twy D and Twy A.
HARLINGEN, TX VALLEY INTL (HRL)	HS 1	Rwy 31 and Rwy 36R apch ends are closely aligned.
MC ALLEN, TX MC ALLEN INTL (MFE)	HS 1	Rwy 14 hold short marking located in a non-standard location.
MIDLAND, TX MIDLAND INTL AIR AND SPACE PORT (MAF)	HS 1 HS 2	Rwy Incursion Risk: northbound pilots inadvertently miss turn onto Twy A on Twy P and incur Rwy 10-28. Confusing intersection: Twy B and Twy P converge on Rwy 10-28. Area not visible from twr.
NEW BRAUNFELS, TX NEW BRAUNFELS NTL (BAZ)	HS 1	Rwy 13 and Rwy 17 at Twy D wrong departure risk, and share same hold line at Twy D.
SAN ANGELO, TX SAN ANGELO RGNL/MATHIS FLD (SJT)	HS 1 HS 2 HS 3	Rwy 18-36 at the int of Rwy 09-27. Rwy 18-36 at the int of Twy D. Twy B close proximity to Rwy 18-36 and Rwy 03-21.
SAN ANTONIO, TX LACKLAND AFB (KELLY FLD ANNEX) (KSKF)	HS 1 HS 2	The unpaved portion of the north overrun. Int of Rwy 16-34, Twy D, and Twy G.
SAN ANTONIO INTL (SAT)	HS 1 HS 2	Rwy 31L hold short line on Rwy 04. Twy G and Twy N in close proximity of Rwy 31L.
WACO, TX WACO RGNL (ACT)	HS 1	Rwy 01 hold short line at approach end not visible from the tower.

*See appropriate Chart Supplement HOT SPOT table for additional information.

24361

BEAHR THREE ARRIVAL (RNAV)

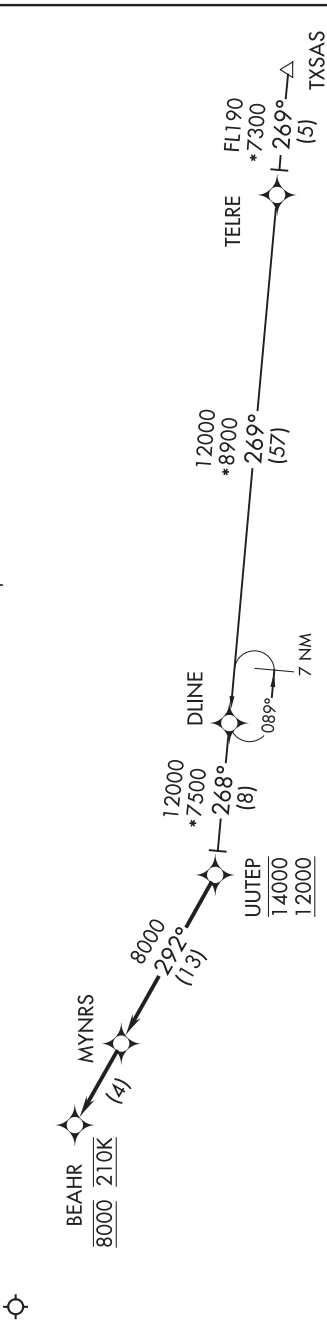
AL-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS

SC-3, 12 JUN 2025 to 07 AUG 2025

EL PASO D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
135.2 292.15

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft only.
- NOTE: Expect RNP approach or RADAR vectors to final approach course prior to BEAHR.



ARRIVAL ROUTE DESCRIPTION

TXSAS TRANSITION (TXSAS:BEAHR3)

From UUTEP on track 292° to MYNRS, then on track 292° to BEAHR, cross BEAHR at 210K, expect RNAV (RNP) approach or RADAR vectors to final approach course.

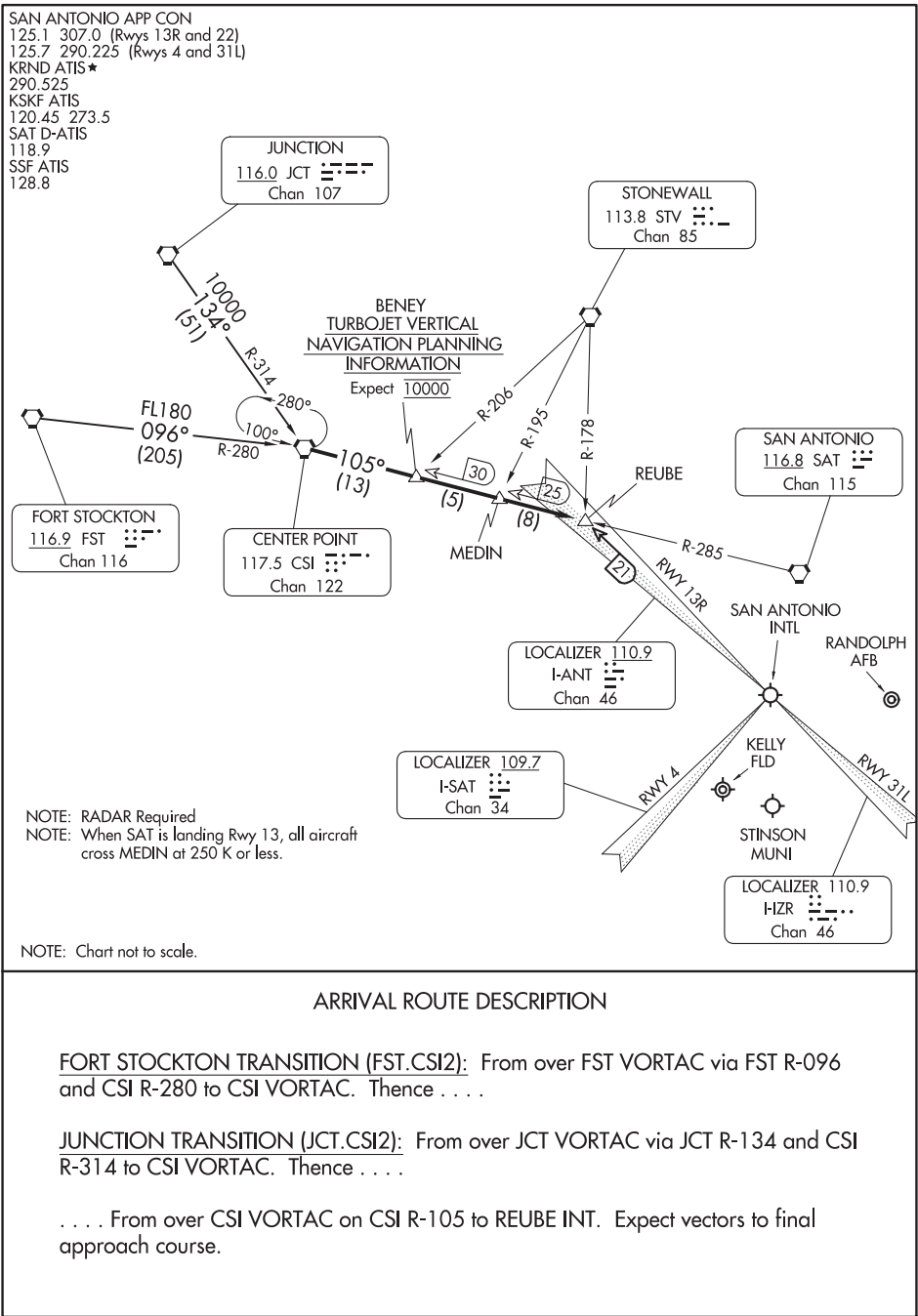
BEAHR THREE ARRIVAL (RNAV)
(BEAHR.BEAHR3) 03APR14

EL PASO, TEXAS
EL PASO INTL (ELP)

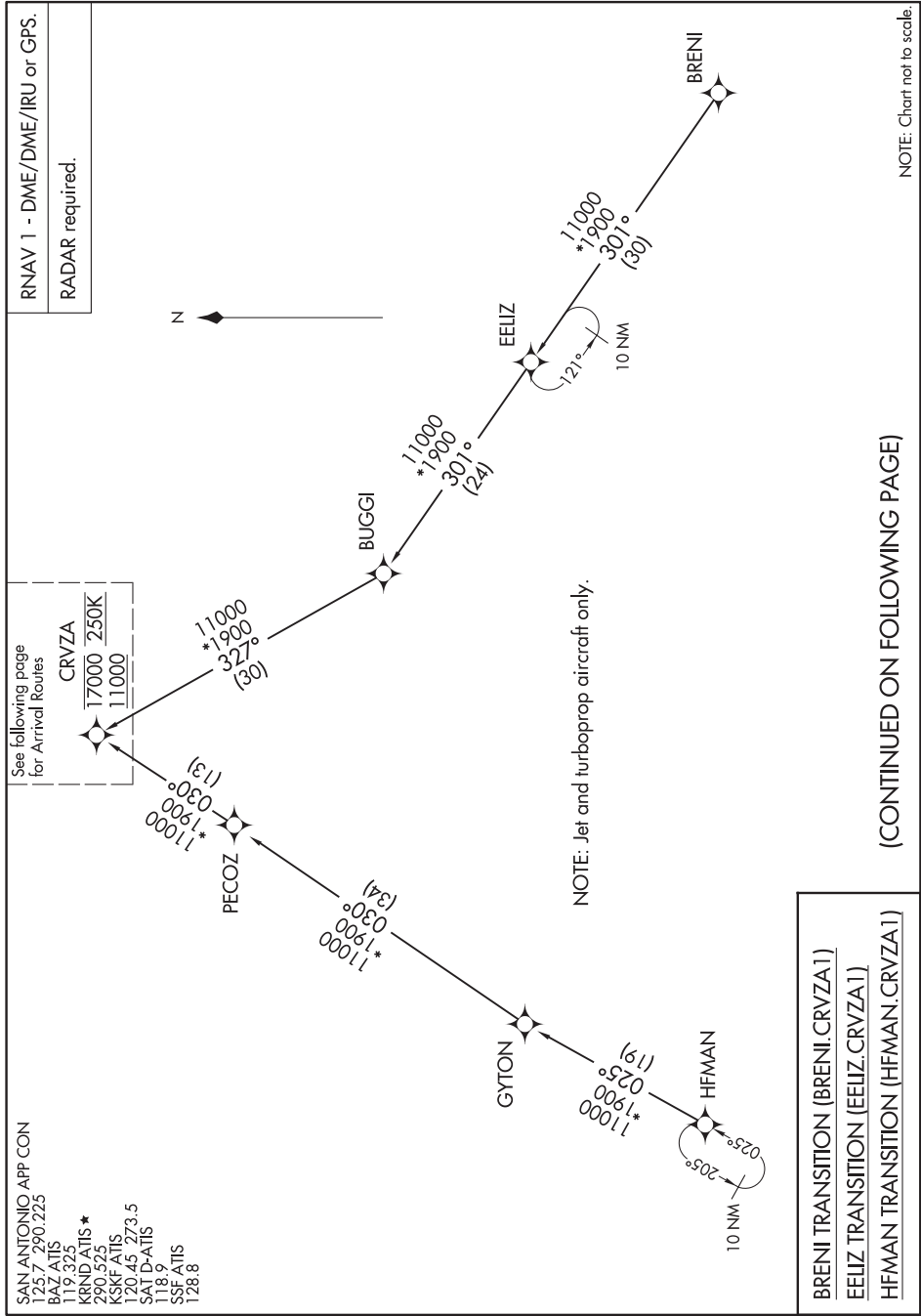
SC-3, 12 JUN 2025 to 07 AUG 2025

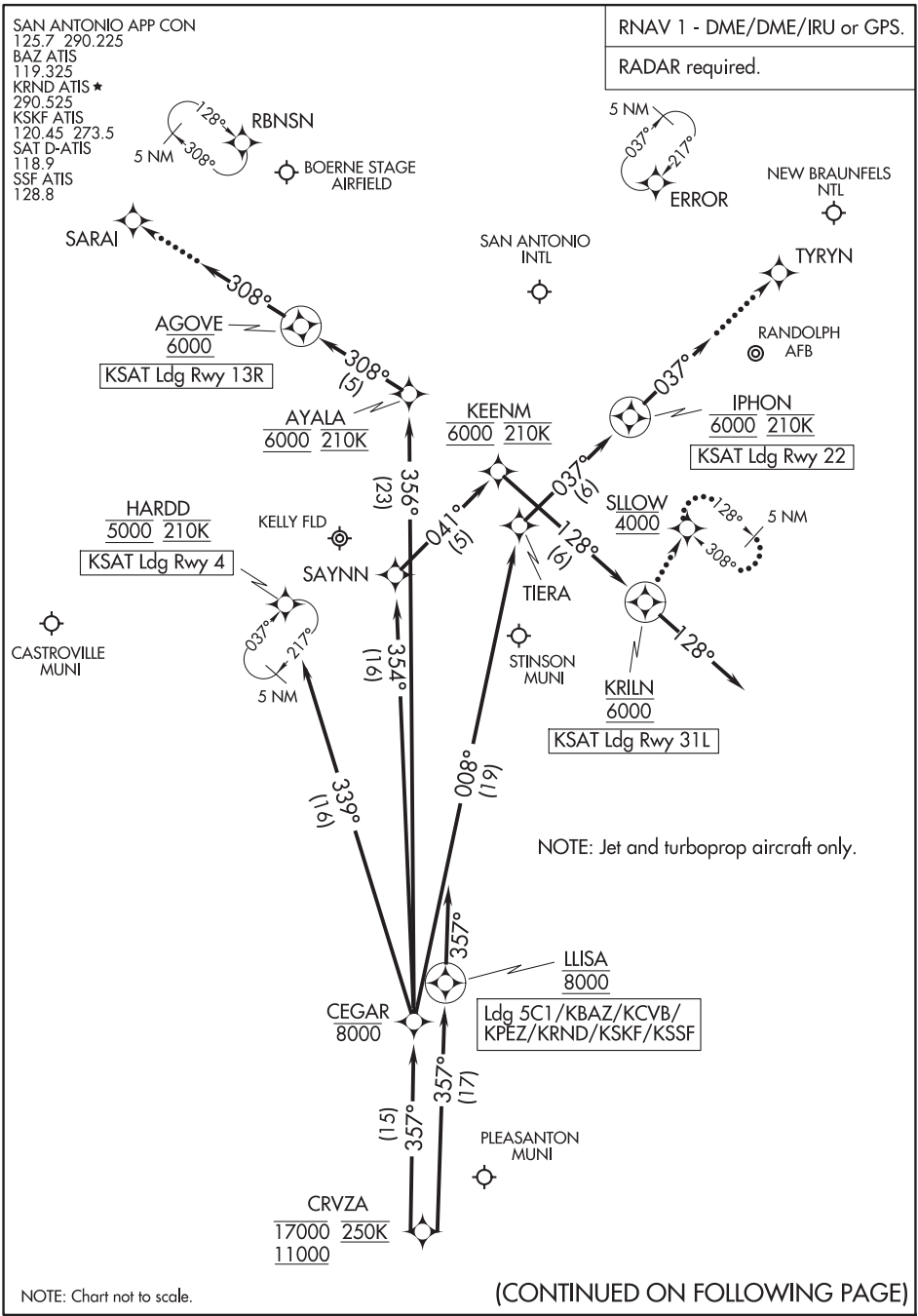


... From over BLEWE on CWK R-012 to SEWZY, then on CWK R-012 to CWK VORTAC. Expect vectors to final approach course at or prior to CWK VORTAC.



SC-3, 12 JUN 2025 to 07 AUG 2025





ARRIVAL ROUTE DESCRIPTION

SAN ANTONIO INTL (KSAT): From CRVZA on track 357° to cross CEGAR at or below 8000.

LANDING KSAT RUNWAY 4: From CEGAR on track 339° to cross HARDD at 5000 and at 210K. Expect ILS or LOC RWY 4 approach.

LANDING KSAT RUNWAY 13R: From CEGAR on track 356° to cross AYALA at 6000 and at 210K, then on track 308° to cross AGOVE at 6000, then on track 308°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 22: From CEGAR on track 008° to TIERA, then on track 037° to cross IPHON at 6000 and at 210K, then on track 037°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 31L: From CEGAR on track 354° to SAYNN, then on track 041° to cross KEENM at 6000 and at 210K, then on track 128° to cross KRILN at 6000, then on track 128°. Expect RADAR vectors to final approach course.

LANDING KSKF/KBAZ/KCVB/KSSF/KPEZ/5C1/KRND: From CRVZA on track 357° to cross LLISA at 8000, then on track 357°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

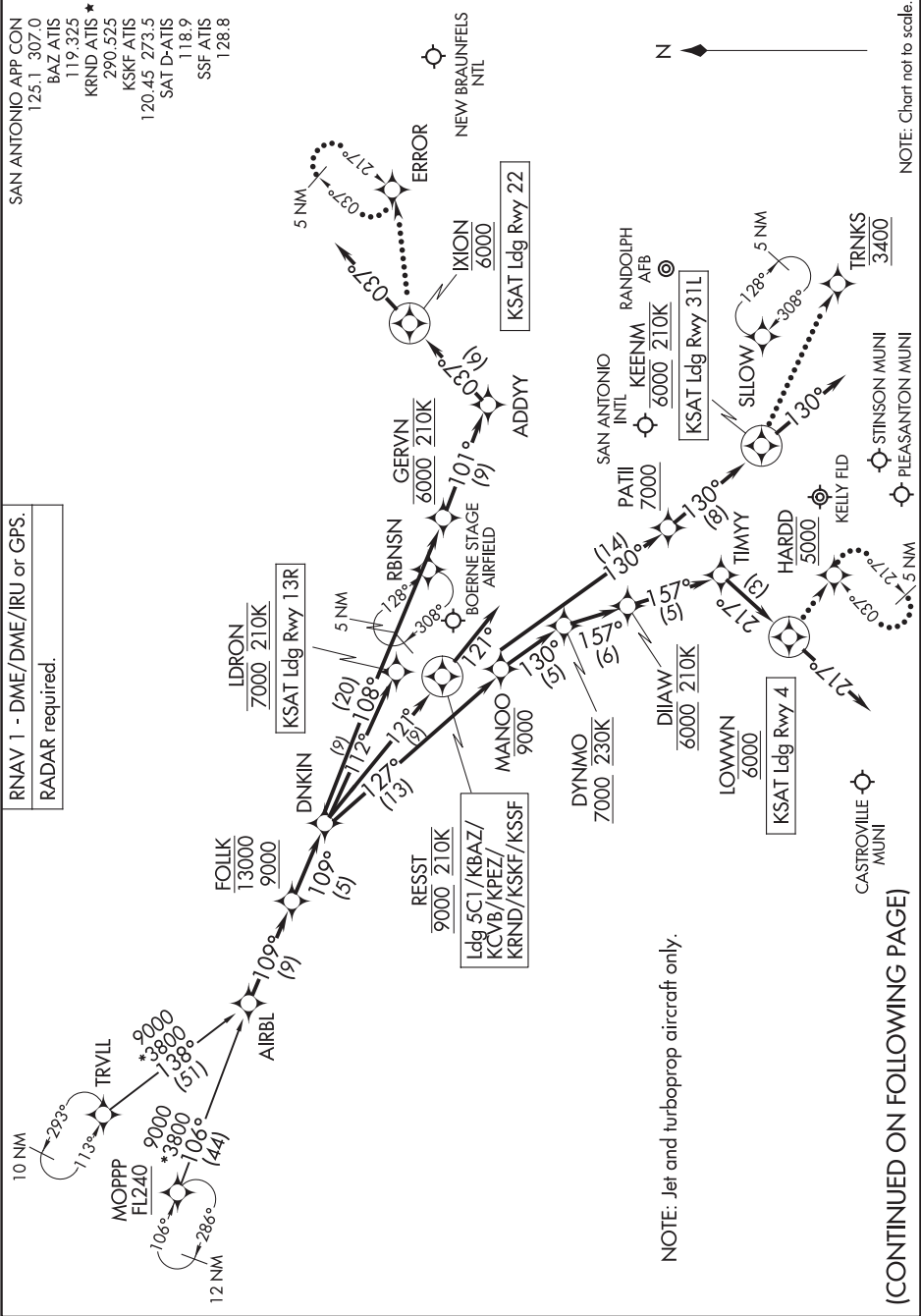
KSAT RUNWAY 13R: After AGOVE proceed to SARAI, then on ILS or LOC RWY 13R or RNAV (GPS) Y RWY 13R approach.

KSAT RUNWAY 22: After IPHON proceed to TYRYN, then on RNAV (GPS) Y RWY 22 approach.

KSAT RUNWAY 31L: After KRILN proceed to SLOW at 4000 and hold.

DNKIN ONE ARRIVAL (RNAV)

SAN ANTONIO, TEXAS



DNKIN ONE ARRIVAL (RNAV)

SAN ANTONIO, TEXAS

ARRIVAL ROUTE DESCRIPTION

SAN ANTONIO INTL (KSAT):

From AIRBL on track 109° to cross FOLLK between 9000 and 13000, then on track 109° to DNKIN.

LANDING KSAT RUNWAY 4: From DNKIN on track 127° to cross MANOO at or below 9000, then on track 130° to cross DYNMO at or above 7000 and at 230K, then on track 157° to cross DIIAW at 6000 and at 210K, then on track 157° to TIMYY, then on track 217° to cross LOWWN at 6000, then on track 217°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 13R: From DNKIN on track 112° to cross LDRON at 7000 and at 210K. Expect ILS or LOC Rwy 13R approach.

LANDING KSAT RUNWAY 22: From DNKIN on track 108° to cross GERVN at 6000 and at 210K, then on track 101° to ADDYY, then on track 037° to cross IXION at 6000, then on track 037°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 31L: From DNKIN on track 127° to cross MANOO at or below 9000, then on track 130° to cross PATII at or above 7000, then on track 130° to cross KEENM at 6000 and at 210K, then on track 130°. Expect RADAR vectors to final approach course.

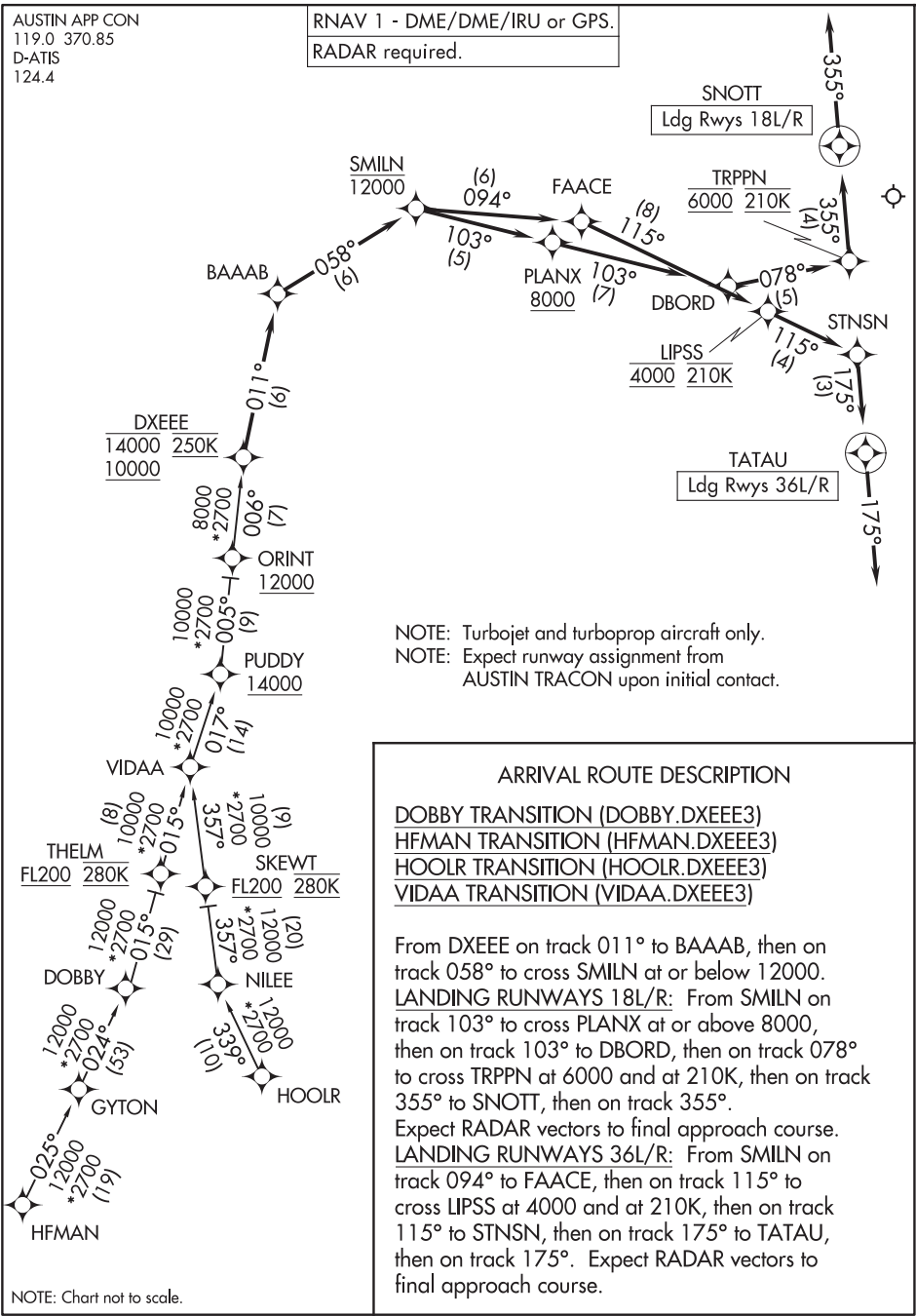
LANDING KSKF, KBAZ, KCVB, KSSF, KPEZ, 5C1, KRND: From AIRBL on track 109° to cross FOLLK between 9000 and 13000, then on track 109° to DNKIN, then on track 121° to cross RESST at 9000 and at 210K, then on track 121°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

RUNWAY 4: After LOWWN, proceed to HARDD at 5000 and hold.

RUNWAY 22: After IXION, proceed direct to ERROR and hold.

RUNWAY 31L: After KEENM proceed to TRNKS at 3400, then on ILS or LOC Rwy 31L or RNAV (GPS) Y Rwy 31L approach.



(GABOO.GABOO1) 25051

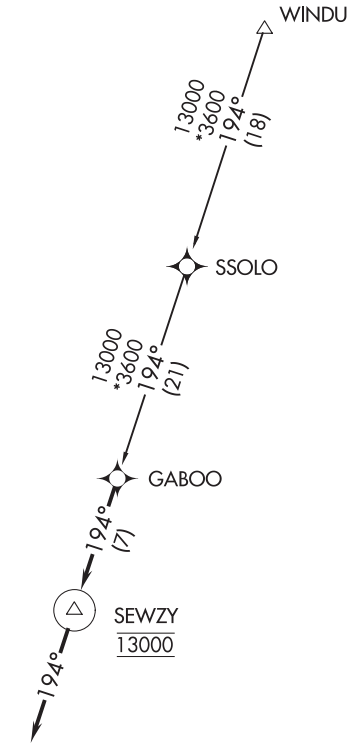
GABOO ONE ARRIVAL (RNAV)

AL-502 (FAA)

AUSTIN, TEXAS

AUSTIN APP CON
127.225 317.65
HYI ATIS
120.825
T74 AWOS-3PT
119.75

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet and turboprop aircraft only.



LAGO VISTA TX/RUSTY ALLEN

LAKEWAY AIRPARK

TAYLOR MUNI

SAN MARCOS RGNL

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

SSOLO TRANSITION (SSOLO.GABOO1)

WINDU TRANSITION (WINDU.GABOO1)

LANDING ALL AIRPORTS: From GABOO on track 194° to cross SEWZY at 13000, then on track 194°. Expect RADAR vectors to final approach course.

GABOO ONE ARRIVAL (RNAV)

(GABOO.GABOO1) 16JUL20

AUSTIN, TEXAS



NOTE: Chart not to scale.

SC-3, 12 JUN 2025 to 07 AUG 2025

EL PASO INTL (ELP)

LAIKS FOUR ARRIVAL (RNAV)

AUSTIN APP CON
119.0 370.85
D-ATIS
124.4

RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

NOTE: Jet aircraft only.
NOTE: Expect Rwy assignment from AUSTIN TRACON upon initial contact.
NOTE: CHILD and FUSCO TRANSITIONS: Do not file - to be assigned by ATC.

ARRIVAL ROUTE DESCRIPTION

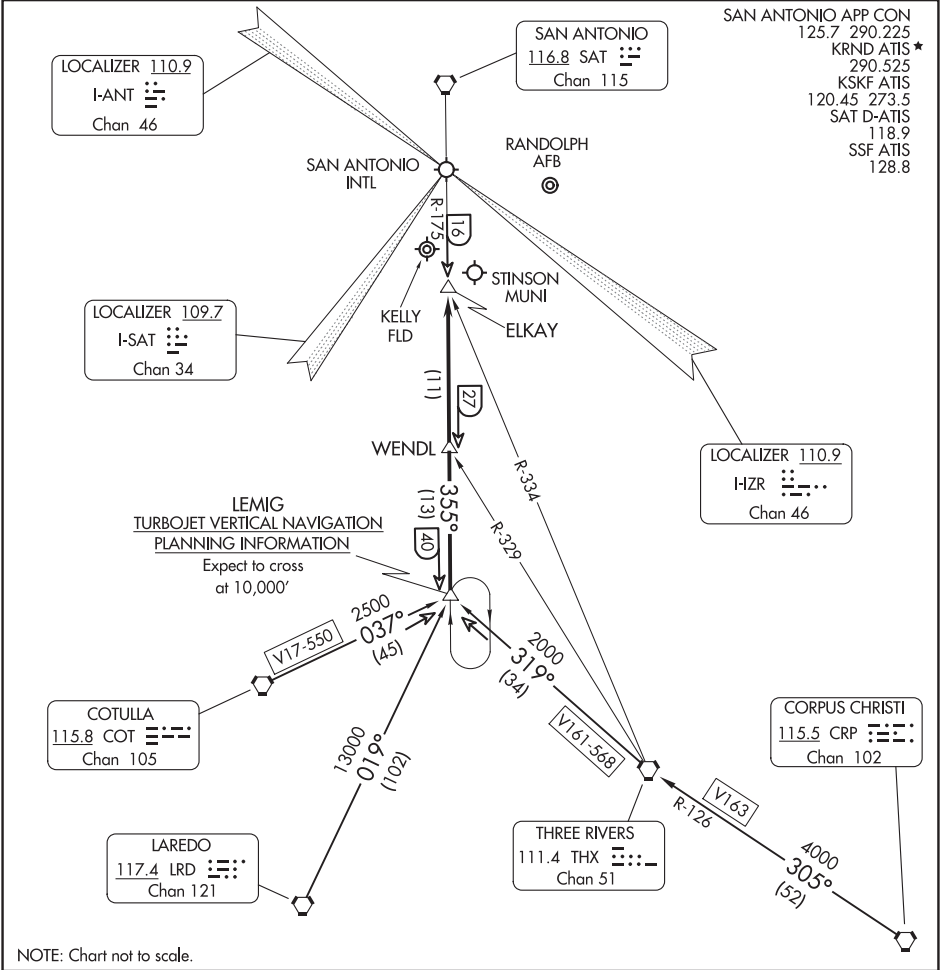
CHILD TRANSITION (CHILD.LAIKS4)
DILLO TRANSITION (DILLO.LAIKS4)
FUSCO TRANSITION (FUSCO.LAIKS4)
PRITZY TRANSITION (PRITZY.LAIKS4)
UCOKA TRANSITION (UCOKA.LAIKS4)

NOTE: Chart not to scale.

From LAIKS on track 111° to cross BOYZZ at or below 11000.

LANDING RUNWAYS 18L/R: From BOYZZ on track 126° to cross CRLOS at 5000, then on track 126° to cross HOUKM at 5000 and at 210K. Expect ILS or LOC RWY 18L/R, RNAV (RNP) 18L/R, or RADAR vectors to final approach course.

LANDING RUNWAYS 36L/R: From BOYZZ on track 150° to cross TRVSS between 8000 and 10000, then on track 150° to cross RATTI at or above 6000 and at 220K, then on track 175° to cross LAIDY at 5000 and at 210K, then on track 175°. Expect ILS or LOC RWY 36L/R, RNAV (RNP) RWY 36L/R, or RADAR vectors to final approach course.



ARRIVAL ROUTE DESCRIPTION

CORPUS CHRISTI TRANSITION (CRP.LEMIG1): From over CRP VORTAC via CRP R-305 and THX R-126 to THX VORTAC, then via THX R-319 to LEMIG INT. Thence . . .

COTULLA TRANSITION (COT.LEMIG1): From over COT VORTAC via COT R-037 to LEMIG INT. Thence . . .

LAREDO TRANSITION (LRD.LEMIG1): From over LRD VORTAC via LRD R-019 to LEMIG INT. Thence . . .

THREE RIVERS TRANSITION (THX.LEMIG1): From over THX VORTAC via THX R-319 to LEMIG INT. Thence . . .

. . . . ALL AIRPORTS: From over LEMIG INT via SAT R-175 to ELKAY INT. Expect radar vectors to final approach course.

MARCS ONE ARRIVAL

SAN ANTONIO, TEXAS

SAN ANTONIO APP CON
127.1 269.1
KRND ATIS★
290.525
KSKF ATIS
120.45 273.5
SAT D-ATIS
118.9
SSF ATIS
128.8

WACO
115.3 ACT
Chan 100

MAVERICK
113.1 TTT
Chan 78

GOOCH SPRINGS
112.5 AGJ
Chan 72

STONEWALL
113.8 STV
Chan 85

MARCS
TURBOJET VERTICAL
NAVIGATION PLANNING
INFORMATION
Expect 13000

CENTEX
112.8 CWK
Chan 75

LUFKIN
112.1 LFK
Chan 58

LOCALIZER 110.9
I-ANT
Chan 46

INDUSTRY
110.2 IDU
Chan 39

TROOP
236°
118°
140°

SAN ANTONIO
116.8 SAT
Chan 115

LOCALIZER 110.9
I-HZ
Chan 46

LOCALIZER 109.7
I-SAT
Chan 46

NOTE: RADAR required.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale

MARCS ONE ARRIVAL

SAN ANTONIO, TEXAS

ARRIVAL ROUTE DESCRIPTION

CENTEX TRANSITION (CWK.MARCS1): From over CWK VORTAC via CWK R-205 to MARCS INT. Thence. . . .

INDUSTRY TRANSITION (IDU.MARCS1): From over IDU VORTAC via IDU R-259 to MARCS INT. Thence. . . .

LUFKIN TRANSITION (LFK.MARCS1): From over LFK VORTAC via LFK R-228 and IDU R-044 to IDU VORTAC, then via IDU R-259 to MARCS INT. Thence. . . .

WACO TRANSITION (ACT.MARCS1): From over ACT VORTAC via ACT R-165 to BLEWE INT, then via CWK R-012 to CWK VORTAC, then via CWK R-205 to MARCS INT. Thence. . . .

WINDU TRANSITION (WINDU.MARCS1): From over WINDU INT via CWK R-012 to CWK VORTAC, then via CWK R-205 to MARCS INT. Thence. . . .

. . . . From over MARCS on SAT R-056 to BRAUN, then on SAT R-056 to TROOP. Thence....

SAN ANTONIO INTL (SAT):

LANDING RWY 13R: On SAT R-056 to CRISS. Depart CRISS heading 300° for vectors to final approach course.

LANDING RWY 31L: Depart TROOP heading 140° for vectors to final approach course.

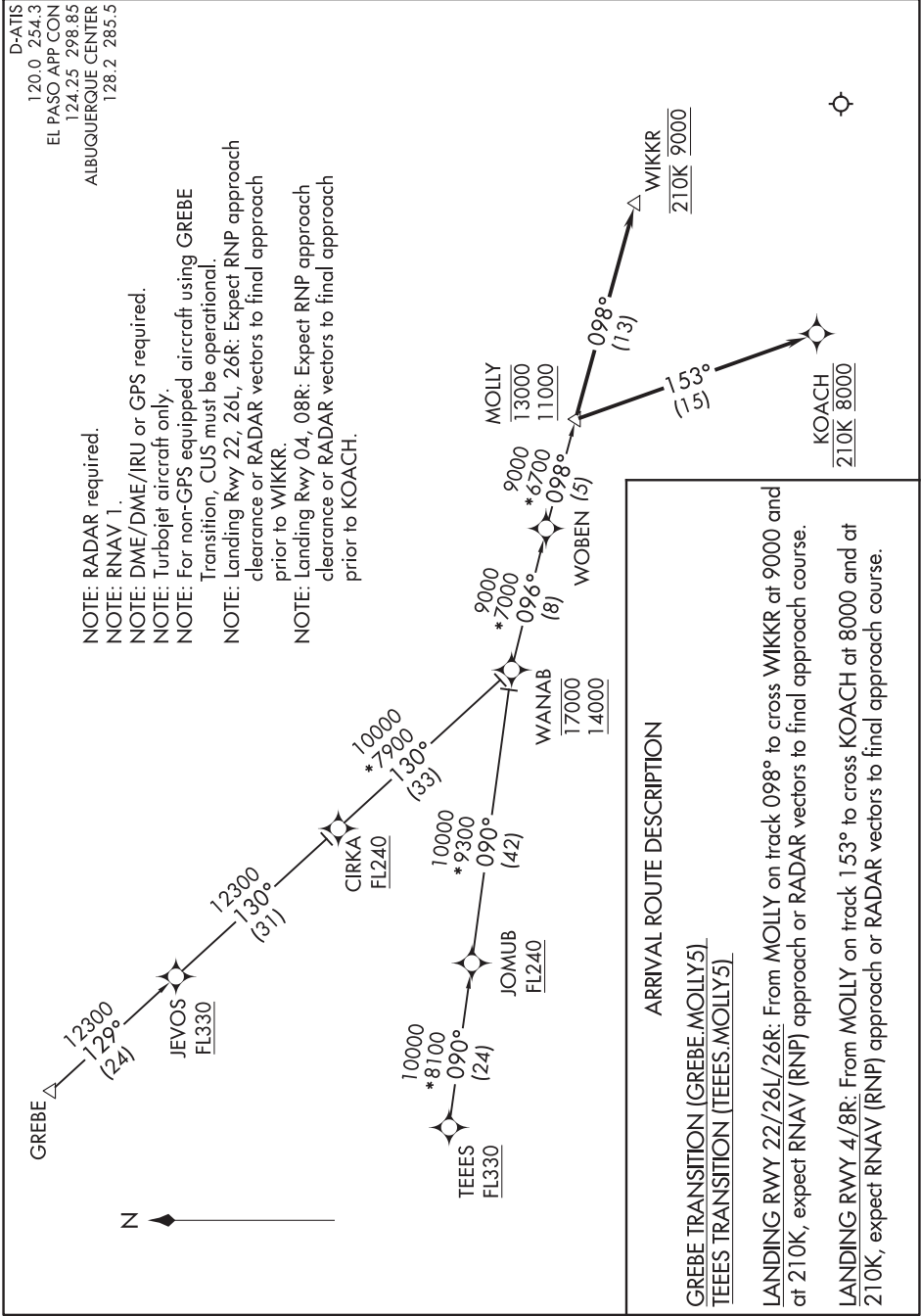
LANDING ALL OTHER RUNWAYS: On SAT R-056 to CRISS. Expect vectors to final approach course.

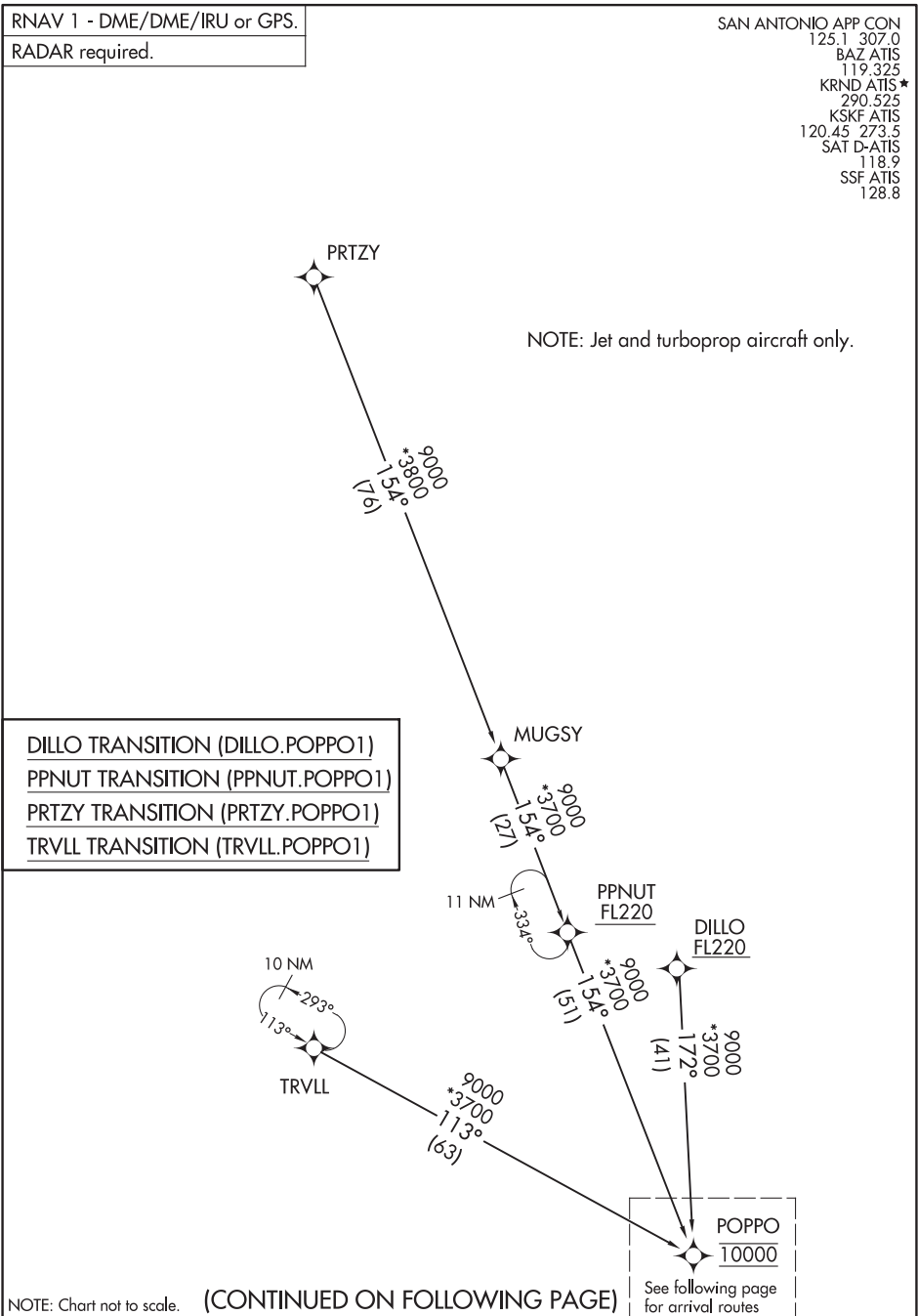
ALL OTHER AIRPORTS: On SAT R-056 to CRISS. Expect vectors to final approach course.

(MOLLY.MOLLY5) 20310
MOLLY FIVE ARRIVAL (RNAV)

AL-134 (FAA)

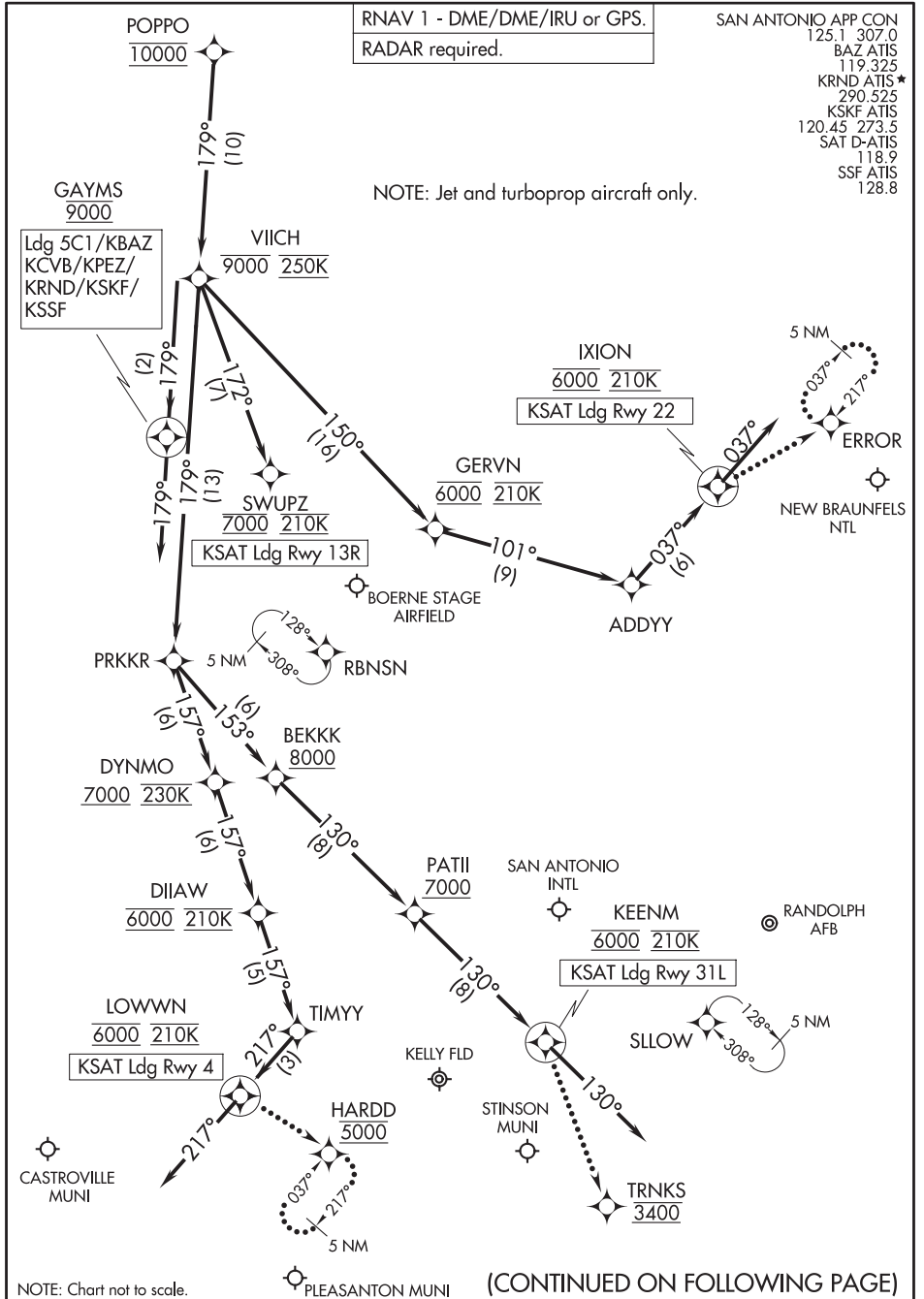
EL PASO INTL (ELP)
EL PASO, TEXAS





POPPO ONE ARRIVAL (RNAV) Arrival Routes

SAN ANTONIO, TEXAS



POPPO ONE ARRIVAL (RNAV) Arrival Routes

SAN ANTONIO, TEXAS

ARRIVAL ROUTE DESCRIPTION

SAN ANTIONIO INTL (KSAT): From POPPO on track 179° to cross VIICH at or below 9000 and at 250K.

LANDING KSAT RUNWAY 4: From VIICH on track 179° to PRKKR, then on track 157° to cross DYNMO at or above 7000 and at 230K, then on track 157° to cross DIIAW at 6000 and at 210K, then on track 157° to TIMYY, then on track 217° to cross LOWWN at 6000 and at 210K, then on track 217°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 13R: From VIICH on track 172° to cross SWUPZ at 7000 and at 210K. Expect ILS or LOC RWY 13R approach.

LANDING KSAT RUNWAY 22: From VIICH on track 150° to cross GERVN at 6000 and at 210K, then on track 101° to ADDYY, then on track 037° to cross IXION at 6000 and at 210K, then on track 037°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 31L: From VIICH on track 179° to PRKKR, then on track 153° to cross BEKKK at or above 8000, then on track 130° to cross PATII at or above 7000, then on track 130° to cross KEENM at 6000 and at 210K, then on track 130°. Expect RADAR vectors to final approach course.

LANDING KSKF/KBAZ/KCVB/KSSF/KPEZ/5C1/KRND: From POPPO on track 179° to cross VIICH at or below 9000 and at 250K, then on track 179° to cross GAYMS at 9000, then on track 179°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

KSAT RUNWAY 4: After LOWWN proceed to HARDD at 5000 and hold.

KSAT RUNWAY 22: After IXION proceed to ERROR and hold.

KSAT RUNWAY 31L: After KEENM proceed to TRNKS at 3400, then on ILS or LOC Rwy 31L or RNAV (GPS) Y Rwy 31L approach.

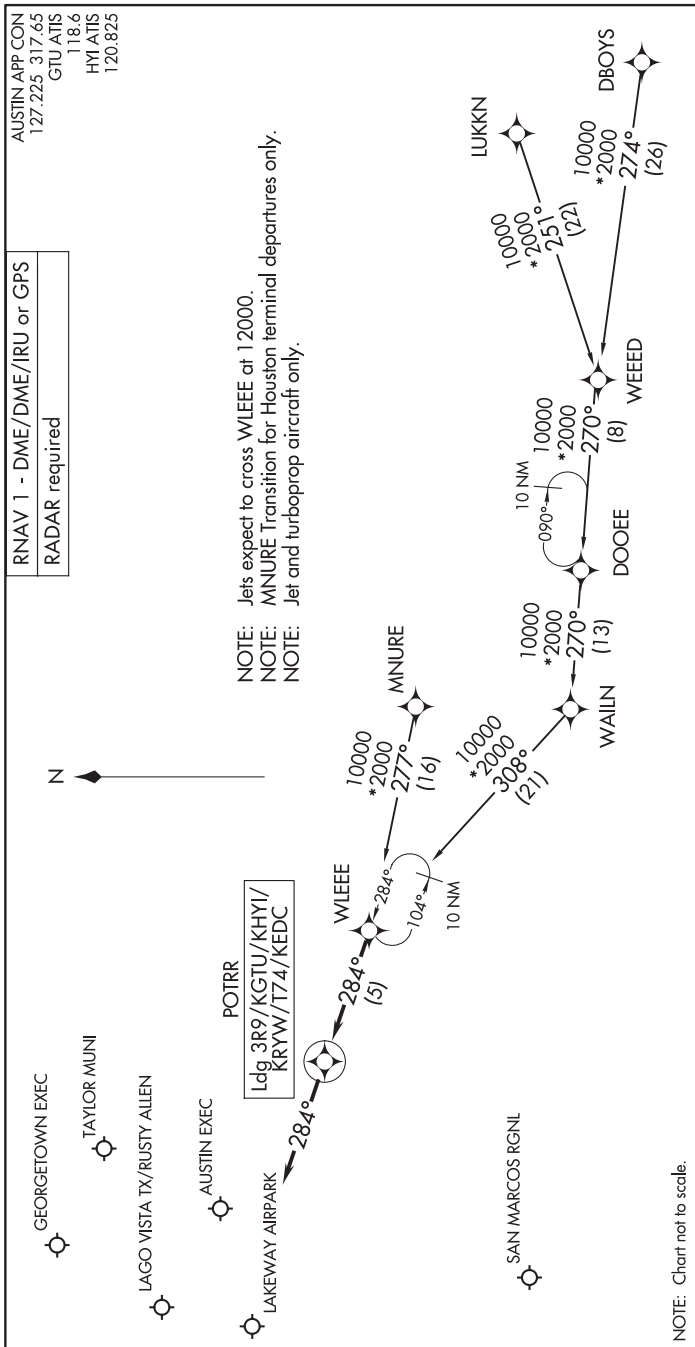
(WLEEE.POTRR2) 25051

POTRR TWO ARRIVAL (RNAV)

Z20

AL-5891 (FAA)

AUSTIN, TEXAS



ARRIVAL ROUTE DESCRIPTION

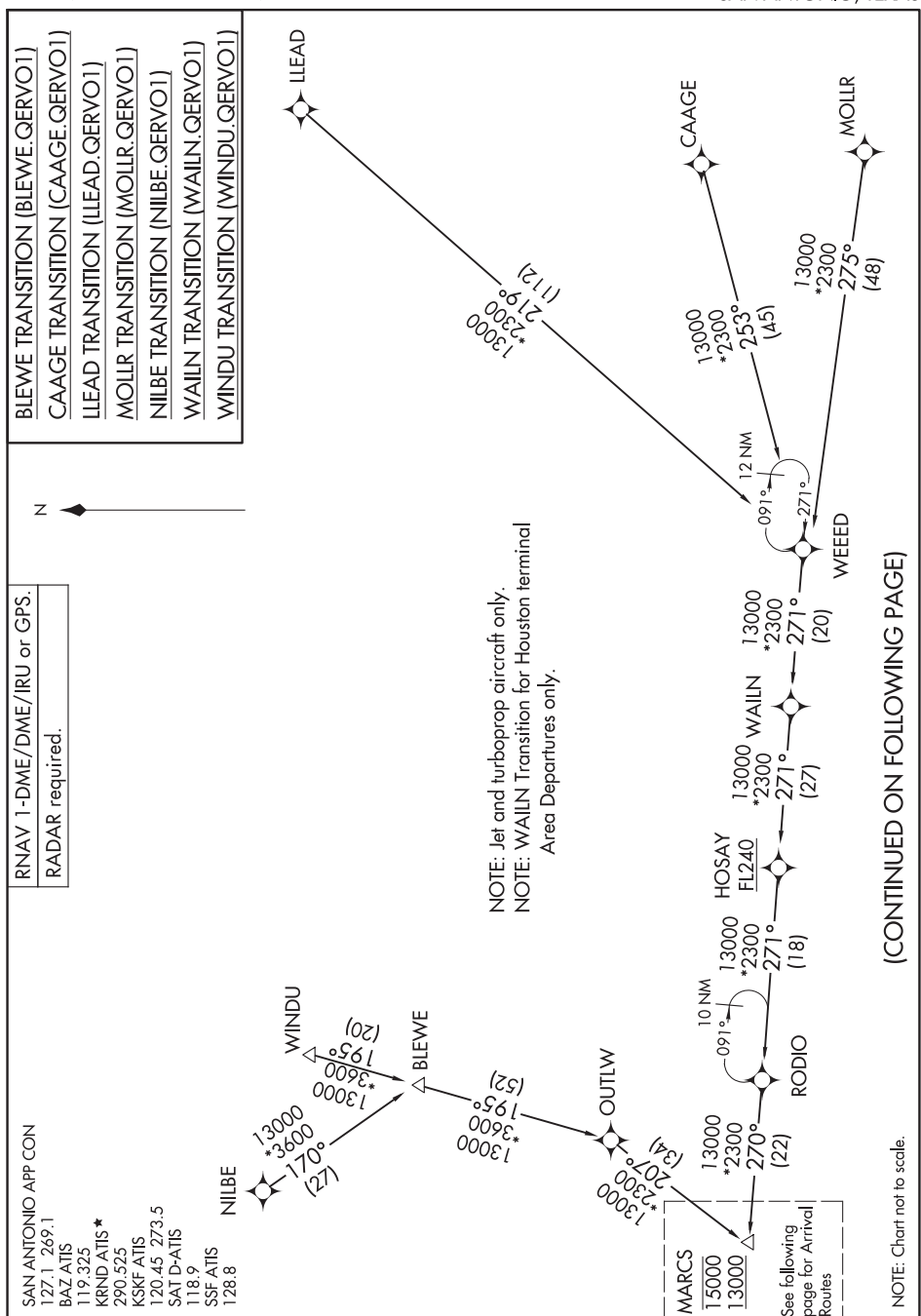
- DBOYS TRANSITION (DBOYS.POTRR2)
- LUKKN TRANSITION (LUKKN.POTRR2)
- MNNURE TRANSITION (MNNURE.POTRR2)
- WEEED TRANSITION (WEEED.POTRR2)

LANDING ALL AIRPORTS: From WLEEE on track 284° to POTRR, then on track 284°. Expect RADAR vectors to final approach course.

NOTE: Chart not to scale.

QERVO ONE ARRIVAL (RNAV) Transition Routes

SAN ANTONIO, TEXAS

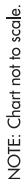


(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-3, 12 JUN 2025 to 07 AUG 2025

SAN ANTONIO, TEXAS



NOTE: Jet and turboprop aircraft only.
NOTE: WALN Transition for Houston tel
Area Departures only.

(CONTINUED ON FOLLOWING PAGE)

SC-3, 12 JUN 2025 to 07 AUG 2025

ARRIVAL ROUTE DESCRIPTION

SAN ANTONIO INTL (KSAT): From MARCS on track 245° to cross PGOUT between 11000 and 13000 and at 280K, then on track 245° to QERVO.

LANDING KSAT RUNWAY 4: From QERVO on track 217° to cross TEXNN at or above 8000, then on track 217° to cross JEFRE at or above 7000, then on track 217° to cross MCRTY at 6000 and at 210K, then on track 217°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 13R: From QERVO on track 245° to cross TAHKO at or below 11000, then on track 245° to cross FJITA at or below 8000, then on track 245° to TRTLA, then on track 246° to cross SALZA at 6000 and at 210K, then on track 268° to DOMNK, then on track 308° to cross CARNE at 6000 and at 210K, then on track 308°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 22: From QERVO on track 274° to cross TRITP at 7000 and at 210K, then on track 274°. Expect RADAR vectors to final approach course.

LANDING KSAT RUNWAY 31L: From QERVO on track 229° to DERRR, then on track 228° to cross COMUT at 6000 and at 210K, then on track 164° to ALRGI, then on track 128° to cross XLANT at 6000 and at 210K, then on track 128°. Expect RADAR vectors to final approach course.

LANDING KSKF/KBAZ/KCVB/KSSF/KPEZ/5C1/KRND: From MARCS on track 245° to cross PGOUT between 11000 and 13000 and at 280K, then on track 245° to QERVO, then on track 245° to cross POYYO at 10000, then on track 245°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS:

KSAT RUNWAY 4: After MCRTY, proceed to FOALL at 5000, then on ILS or LOC RWY 4 or RNAV (GPS) Y RWY 4 approach.

KSAT RUNWAY 13R: After CARNE, proceed to RBNSN and hold.

KSAT RUNWAY 22: After TRITP proceed to AREEA at 5000, then on RNAV (GPS) Y RWY 22 approach.

KSAT RUNWAY 31L: After XLANT, proceed to SLOW at 4000 and hold.

SAMMR THREE ARRIVAL (RNAV)

EL PASO D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
135.87 292.15

CHISUM
CME

13000
*8100
207°
(45)

RIICK

NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: DME/DME/IRU or GPS required.

NOTE: Turbojet aircraft only.

NOTE: Expect RNP approach or radar
vectors to final approach course
prior to SARRT.

13000
*8900
203°
(18)

ZIPPI

13000
*8200
(21)

BGBND

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*8000
(13)

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9000
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(-164)

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(-165)

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(-210)

9000
*8000
(-211)

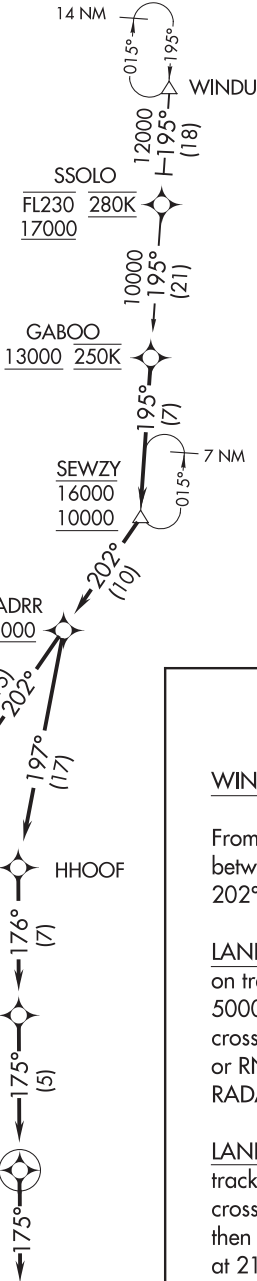
9000
*8000
(-212)

(GABOO.SEWZY6) 21112
SEWZY SIX ARRIVAL (RNAV)

AL-556 (FAA)

AUSTIN-BERGSTROM INTL (AUS)
AUSTIN, TEXAS

AUSTIN APP CON
127.225 317.65
D-ATIS
124.4



NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet and turboprop aircraft only.
NOTE: Expect rwy assignment from AUSTIN TRACON upon initial contact.

ARRIVAL ROUTE DESCRIPTION

WINDU TRANSITION (WINDU.SEWZY6)

From GABOO on track 195° to cross SEWZY between 10000 and 16000, then on track 202° to cross VADRR at or above 8000.

LANDING RUNWAYS 18L/R: From VADRR on track 202° to cross MGTEC at or above 5000 and at 220K, then on track 221° to cross JEDYE at 4000 and at 210K. Expect ILS or RNAV (RNP) RWY 18L/R approach or RADAR vectors to final approach course.

LANDING RUNWAYS 36L/R: From VADRR on track 197° to HHOOF, then on track 176° to cross MMARE at or above 6000 and at 220K, then on track 175° to cross SMRFF at 5000 and at 210K, then on track 175°. Expect RADAR vectors to final approach course.

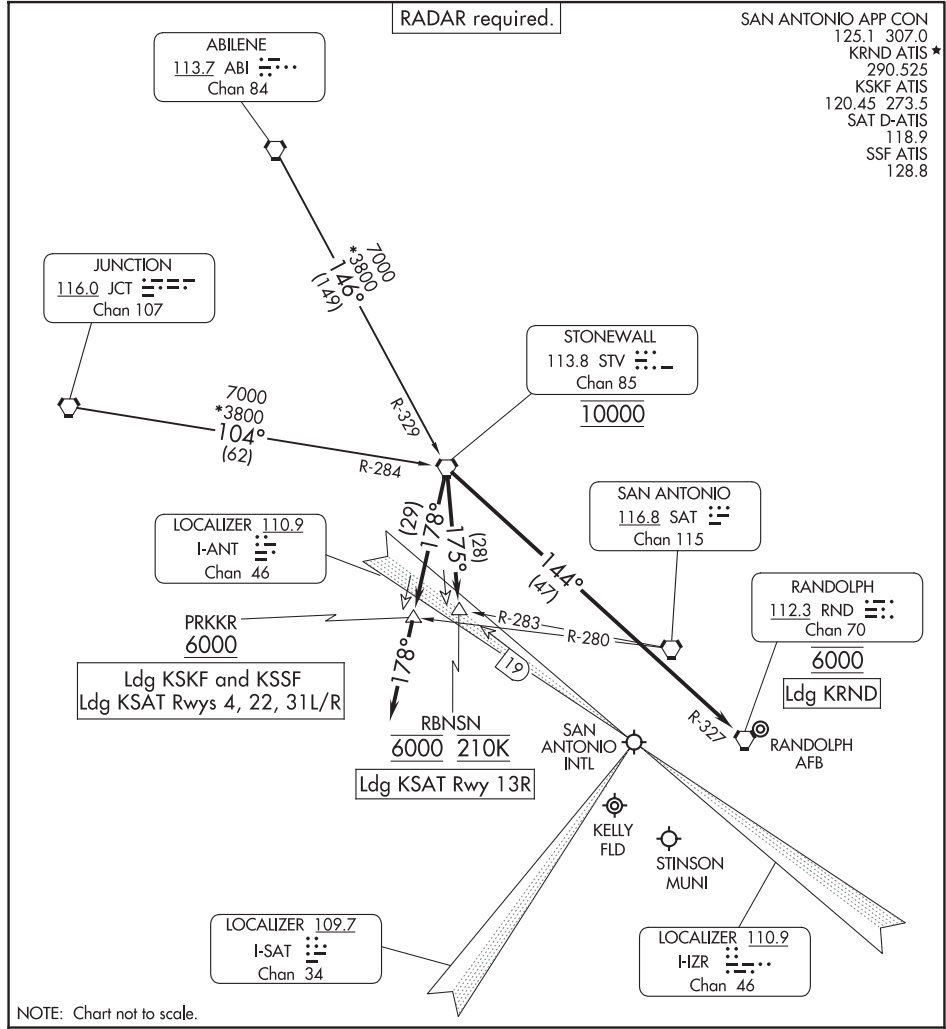
NOTE: Chart not to scale.

SEWZY SIX ARRIVAL (RNAV)
(GABOO.SEWZY6) 22APR21

AUSTIN, TEXAS
AUSTIN-BERGSTROM INTL (AUS)

STONEWALL TWO ARRIVAL

SAN ANTONIO, TEXAS



ARRIVAL ROUTE DESCRIPTION

ABILENE TRANSITION (ABI.STV2): From over ABI VORTAC on ABI R-146 and STV R-329 to STV VORTAC. Thence

JUNCTION TRANSITION (JCT.STV2): From over JCT VORTAC on JCT R-104 and STV R-284 to STV VORTAC. Thence

LANDING KSAT RUNWAY 13R: From STV VORTAC on STV R-175 to cross RBNSN at 6000 and at 210K, expect ILS or LOC Rwy 13R approach.

LANDING KSAT RUNWAYS 4, 22, 31L/R, KSKF/KSSF: From STV VORTAC on STV R-178 to cross PRKKR at or above 6000, then on heading 178°, expect RADAR vectors to final approach course.

LANDING KRND: From STV VORTAC on STV R-144 and RND R-327 to cross RND VORTAC at 6000, expect RADAR vectors to final approach course.

STONEWALL TWO ARRIVAL

SAN ANTONIO, TEXAS

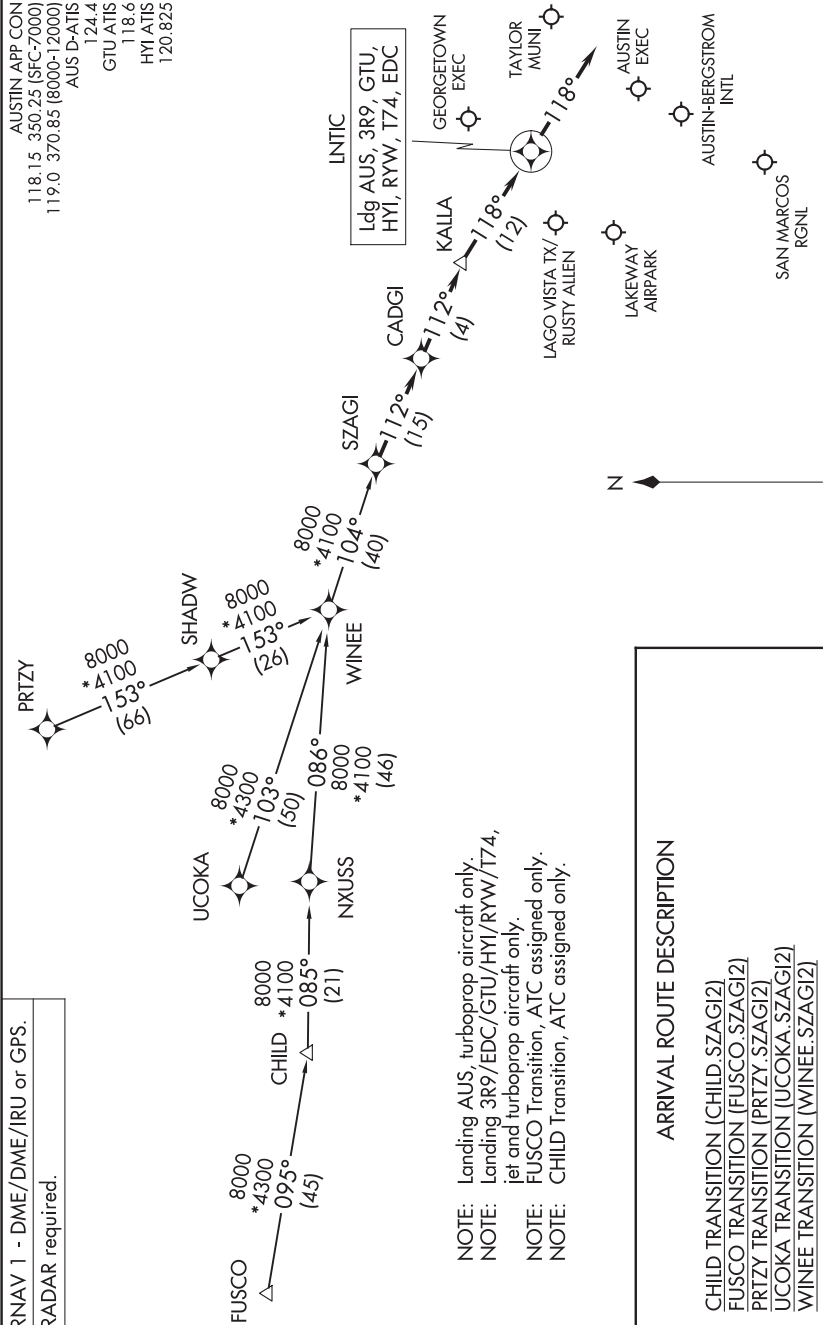
RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

AUSTIN APP CON
118.15 350.25 (SFC-7000)
119.0 370.85 (8000-12000)
AUS D-ATIS
124.4
GTU ATIS
118.6
HYI ATIS
120.825

(SZAGI.SZAGI2) 25163
SZAGI TWO ARRIVAL (RNAV)

AL-556 (FAA)

AUSTIN, TEXAS



ARRIVAL ROUTE DESCRIPTION

CHILD TRANSITION (CHILD.SZAGI2)
FUSCO TRANSITION (FUSCO.SZAGI2)
PRITZY TRANSITION (PRITZY.SZAGI2)
UCOKA TRANSITION (UCOKA.SZAGI2)
WINEE TRANSITION (WINEE.SZAGI2)

LANDING ALL AIRPORTS: From SZAGI on track 112° to CADGI, then on track 112° to KALLA, then on track 118° to LNTIC, then on track 118°. Expect RADAR vectors to final approach course.

NOTE: Chart not to scale.

SZAGI TWO ARRIVAL (RNAV)
(SZAGI.SZAGI2) 12JUN25

AUSTIN, TEXAS

(WAZKO.WAZKO1) 20030
WAZKO ONE ARRIVAL(RNAV)

AL-134 (FAA)

EL PASO INTL (ELP)
 EL PASO, TEXAS

EL PASO D-ATIS
 120.0 254.3
 EL PASO APP CON
 124.25 298.85
 ALBUQUERQUE CENTER
 128.2 285.5

SLNNK

14000
 *9800
 184°
 (23)

BOATY

12000
 *9800
 135°
 (30)

SEKBE
280K FL190

11000
 *8100
 137°
 (1)

WAZKO
13000
11000

9000
 150°
 (6)

JESBU
10000

098°
 (8)

WIKKR
210K 9000

6500
 167°
 (17)

KOACH
210K 8000

NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: DME/DME/IRU or GPS required.

NOTE: TURBOJET Aircraft only.

NOTE: Landing Rwy 04 : Expect RNP approach or RADAR vectors to final approach course prior to KOACH.

NOTE: Landing Rwy 22,26L : Expect RNP approach or RADAR vectors to final approach course prior to WIKKR.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



WAZKO ONE ARRIVAL (RNAV)
 (WAZKO.WAZKO1) 03APR14

EL PASO, TEXAS
EL PASO INTL (ELP)

ARRIVAL ROUTE DESCRIPTION

SLNNK TRANSITION (SLNNK.WAZKO1):

- LANDING RWY 4: From WAZKO on track 167° to KOACH at 8000 and at 210K. Expect RNAV (RNP) approach or RADAR vectors to final approach course.

LANDING RWY 8R: From WAZKO on track 167° to KOACH at 8000 and at 210K. Expect RADAR vectors to final approach course.

LANDING RWY 22/26L: From WAZKO on track 150° to cross JEBSU at or above 10000, then on track 098° to cross WIKKR at 9000 and at 210K. Expect RNAV (RNP) approach or RADAR vectors to final approach course.

LANDING RWY 26R: From WAZKO on track 150° to cross JEBSU at or above 10000, then on track 098° to cross WIKKR at 9000 and at 210K. Expect RADAR vectors to final approach course.

WEBOX FOUR ARRIVAL (WEBOX.WEBOX4)

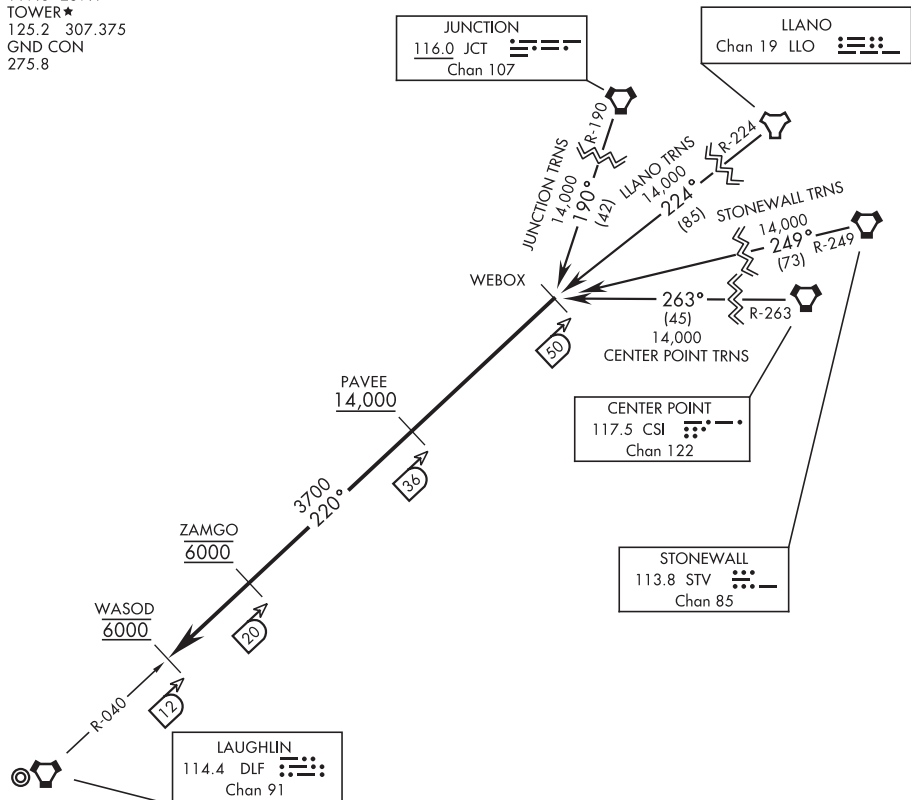
LAUGHLIN AFB

DEL RIO, TEXAS

ATIS ★ 114.4 269.9
 DEL RIO APP CON
 119.6 259.1
 TOWER ★
 125.2 307.375
 GND CON
 275.8

[USAF]

RADAR or DME required



ARRIVAL ROUTE DESCRIPTION

CENTER POINT Transition (CSI.WEBOX4): From over CSI VORTAC via CSI R-263 to WEBOX. Thence...

JUNCTION Transition (JCT.WEBOX4): From over JCT VORTAC via JCT R-190 to WEBOX. Thence...

LLANO Transition (LLO.WEBOX4): From over LLO TACAN via LLO R-224 to WEBOX. Thence...

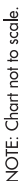
STONEWALL Transition (STV.WEBOX4): From over STV VORTAC via STV R-249 to WEBOX. Thence...

...from over DLF R-040/50 (WEBOX) via DLF R-040 to DLF R-040/12 (WASOD). Expect vectors for an instrument approach to runway in use.

WEBOX FOUR ARRIVAL (WEBOX.WEBOX4)

DEL RIO, TEXAS

LAUGHLIN AFB



(NARRATIVE ON FOLLOWING PAGE)

SC-3, 12 JUN 2025 to 07 AUG 2025

ARRIVAL ROUTE DESCRIPTION

- DBOYS TRANSITION (DBOYS.WLEEE7)
- LUKKN TRANSITION (LUKKN.WLEEE7)
- MNURE TRANSITION (MNURE.WLEEE7)
- WAILN TRANSITION (WAILN.WLEEE7)
- WEEED TRANSITION (WEEED.WLEEE7)

From WLEEE on track 285° to cross BITER at or below 12000.

LANDING RUNWAYS 18L/R: From BITER on track 285° to ISHOV, then on track 285° to cross BASTO at or below 8000, then on track 289° to cross LUKKE at or above 6000 and at 230K, then on track 291° to cross XWING at 4000 and at 210K, then on track 315° to SSURF, then on track 355° to cross BEESO at 4000, then on track 355°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 36L/R: From BITER on track 262° to cross MUSEC at or above 6000 and at 230K, then on track 263° to cross TOONE at 4000, then on track 263° to cross BOWTZ at 4000 and at 210K, then on track 213° to EEVEE, then on track 175° to cross SCUTE at 4000, then on track 175°. Expect RADAR vectors to final approach course.

WAAS	APP CRS	Rwy Idg	5997
CH 42629	128°	TDZE	178
W13A		Apt Elev	178

RNAV (GPS) RWY 13

ALICE INTL (ALI)

RNP APCH.

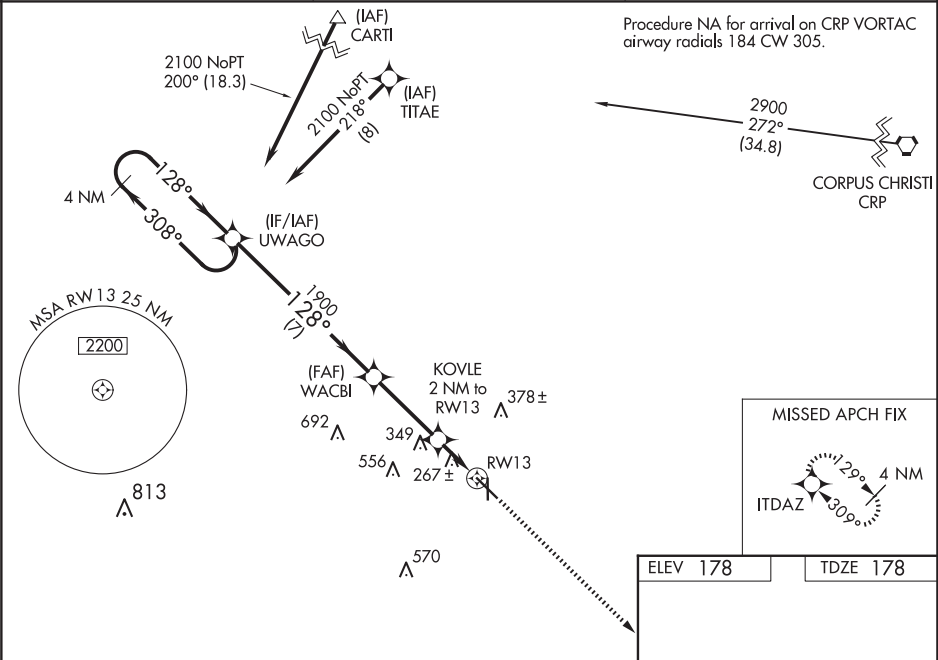
▼

▲

Baro-VNAV NA when using Nueces County altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C or above 42°C. When local altimeter setting not received, use Nueces County altimeter setting and increase all DA 56 feet and all MDA 60 feet, increase LPV and LNAV/VNAV visibility all Cats ¼ mile and LNAV Cat C and D ½ mile. Rwy 13 helicopter visibility reduction below ¾ SM NA. VDP NA with Nueces County altimeter setting.

MISSED APPROACH: Climb to 2600 direct ITDAZ and hold.

ASOS 119.225	KINGSVILLE APP CON ★ 119.9 290.45	UNICOM 123.0 (CTAF) ①
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4 NM Holding Pattern

UWAGO

2100

308°

128°

GP 3.00° TCH 50

1900

128°

WACBI

1900

KOVLE 2 NM to RW13

*1 NM to RW13

RW13

2600

ITDAZ

*LNAV only.

7 NM

3.3 NM

1 NM

1 NM

CATEGORY	A	B	C	D
LPV DA		428-¾	250 (300-¾)	
LNAV/VNAV DA		428-¾	250 (300-¾)	
LNAV MDA	560-1	382 (400-1)	560-1½	382 (400-1½)

REIL Rwy 13 ①

MIRL Rwy 13-31 and 17-35 ①

ALICE, TEXAS

AL-481 (FAA)

23278

WAAS CH 81813 W31A	APP CRS 309°	Rwy Idg TDZE Apt Elev	5997 174 178
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RNAV (GPS) RWY 31
ALICE INTL (ALI)

RNP APCH - GPS.	MALS 	MISSED APPROACH: Climb to 2100 direct UWAGO and hold.
<p>Baro-VNAV and VDP NA when using Nueces County altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use Nueces County altimeter setting: increase LPV DA to 494 feet, LNAV/VNAV DA to 524 feet; increase all MDA 60 feet and LNAV Cat C and D, and Circling Cat D visibility ¼ SM. For inop ALS, increase all LPV and LNAV/VNAV visibilities to ¾ SM. For inop ALS with Nueces County altimeter setting, increase all LPV visibilities to ¾ SM and LNAV Cat C and D visibility to 1 ½ SM.</p>		

ASOS 119.225	KINGSVILLE APP CON ★ 119.9 290.45	UNICOM 123.0 (CTAF) 0
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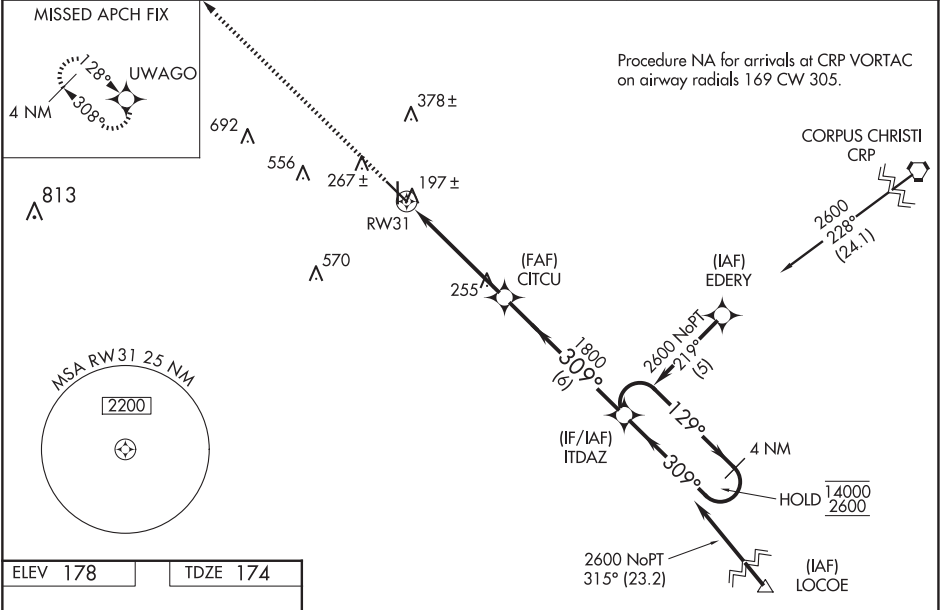


Diagram showing the layout of Runway 13 (REIL) and Runways 13-31 and 17-35 (MRL). Runway 13 is a 4480 x 100 ft runway with a 35 ft width. Runways 13-31 and 17-35 are 5997 x 100 ft runways. The diagram includes a 309° heading and a 230° heading. A 4 NM Holding Pattern is shown.

2100

UWAGO

ITDAZ

4 NM Holding Pattern

129° → 14000

← 309° 2600

GP 3.00°

TCH 47

1 NM to RW31

CITCU

309°

1800

1 NM

3.9 NM

6 NM

CATEGORY	A	B	C	D
LPV DA	437-¾		263 (300-¾)	
LNAV/VNAV DA	467-¾		293 (300-¾)	
LNAV MDA	520-¾		346 (400-¾)	
CIRCLING	600-1 422 (500-1)	640-1 462 (500-1)	700-1½ 522 (600-1½)	900-2¼ 722 (800-2¼)

REIL Rwy 13

MRL Rws 13-31 and 17-35

ALICE, TEXAS
Amdt 1G 05OCT23

27°44'N-98°02'W

ALICE INTL (ALI)
RNAV (GPS) RWY 31

SC-3, 12 JUN 2025 to 07 AUG 2025

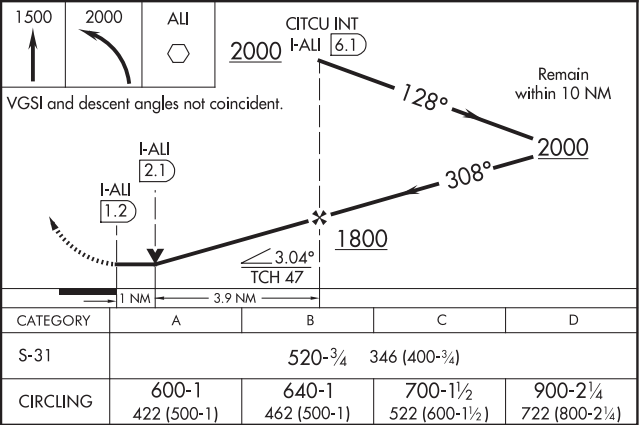
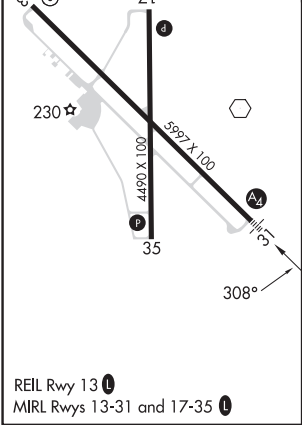
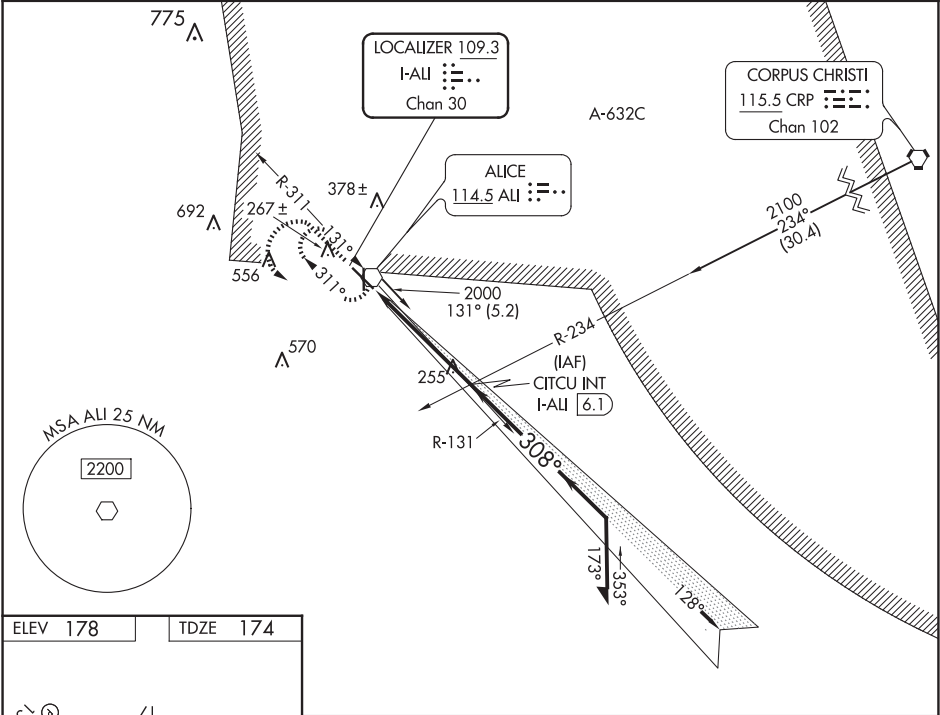
SC-3, 12 JUN 2025 to 07 AUG 2025

LOC/DME I-ALI 109.3 Chan 30	APP CRS 308°	Rwy Idg TDZE Apt Elev	5997 174 178
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LOC/DME RWY 31
ALICE INTL (ALI)

RADAR required for procedure entry from Corpus Christi CRP VORTAC.		MALS	MISSED APPROACH: Climb to 1500 then climbing left turn to 2000 on direct ALI VOR and hold.
VDP NA when using Nueces County altimeter setting. When local altimeter setting not received, use Nueces County altimeter setting and increase all MDAs 60 feet and S-LOC 31 visibility Cat C/D ¼ SM, and Circling visibility Cat D ¼ SM. For inop ALS when using Nueces County altimeter setting, increase S-31 Cats C, D visibility to 1½ SM.			

ASOS 119.225	KINGSVILLE APP CON ★ 119.9 290.45	UNICOM 123.0 (CTAF) 0
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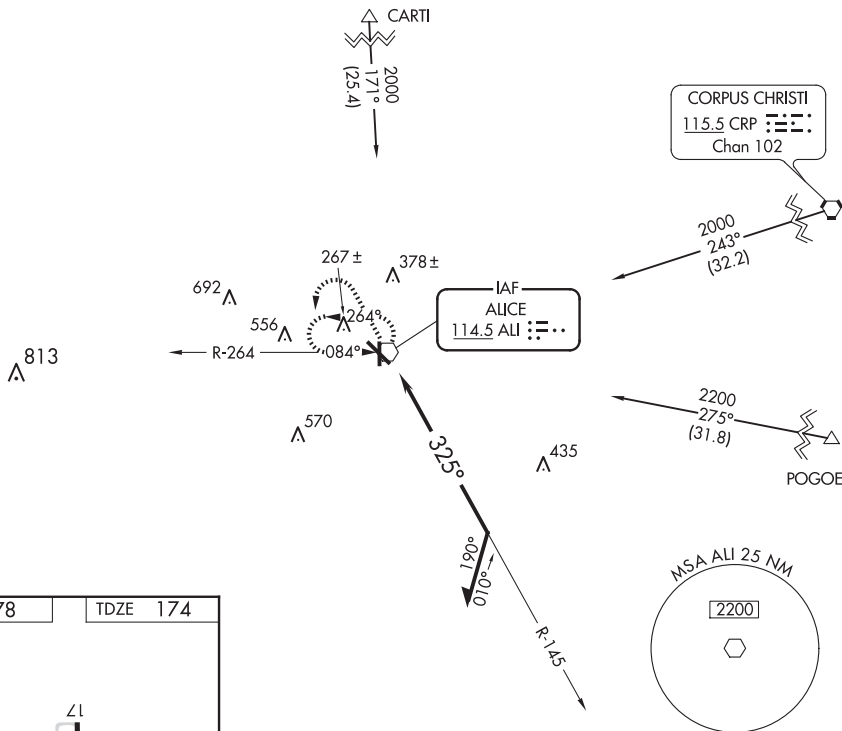


VOR RWY 31
ALICE INTL (ALI)




MALS

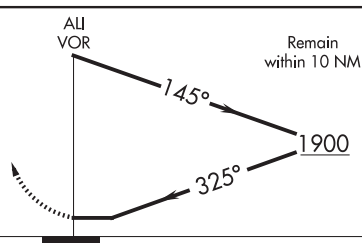
MISSED APPROACH: Climb to 1500 then climbing left turn to 2000 direct ALI VOR and hold.

ASOS 119.225	KINGSVILLE APP CON ★ 119.9 290.45	UNICOM 123.0 (CTAF) ①
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REIL Rwy 13 **L**
MIRL Rwys 13-31 and 17-35 **L**

1500	2000	AlI
		



CATEGORY	A	B	C	D
S-31	620- $\frac{3}{4}$	446 (500- $\frac{3}{4}$)	620-1	446 (500-1)
CIRCLING	620-1 442 (500-1)	640-1 462 (500-1)	700-1 $\frac{1}{2}$ 522 (600-1 $\frac{1}{2}$)	900-2 $\frac{1}{4}$ 722 (800-2 $\frac{1}{4}$)

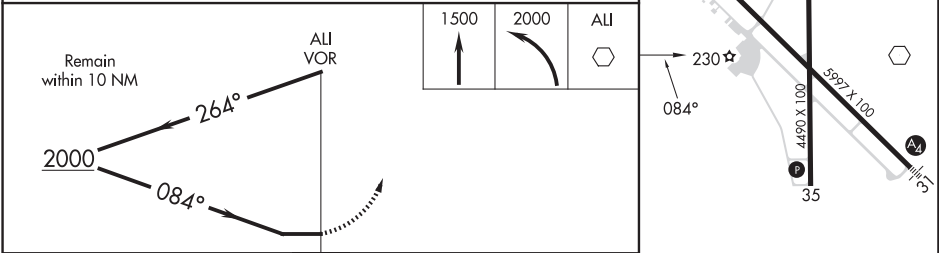
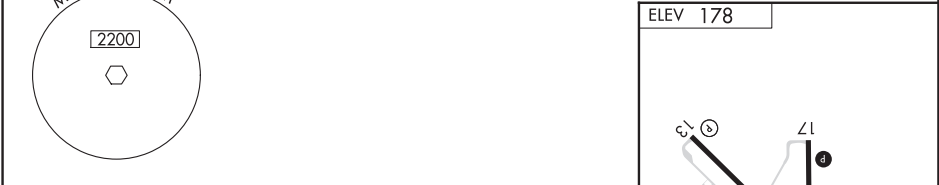
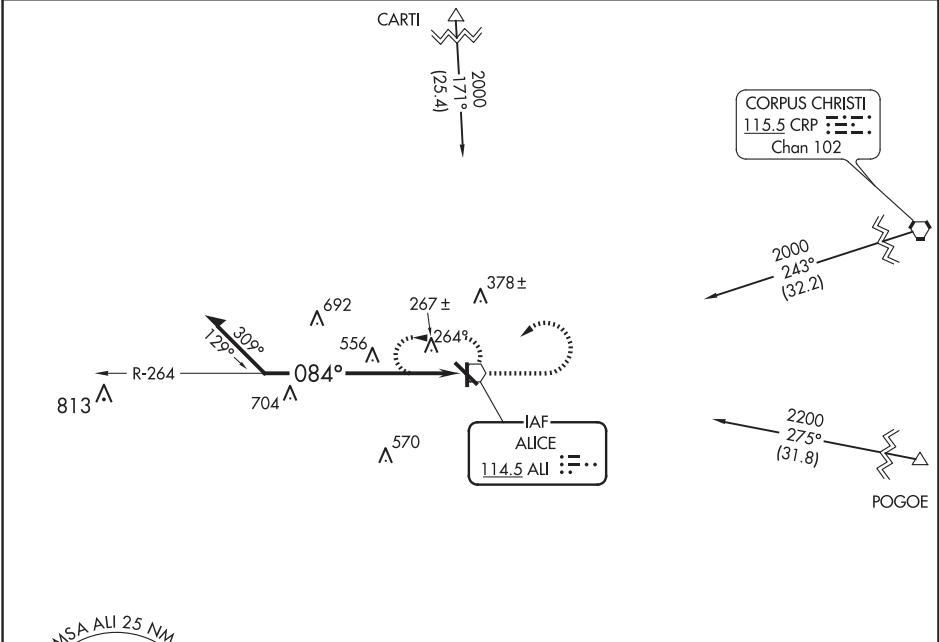
VOR ALI 114.5	APP CRS 084°	Rwy Idg TDZE Apt Elev	N/A N/A 178
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VOR-A
ALICE INTL (ALI)

⚠ When local altimeter setting not received, use Nueces County altimeter setting and increase all MDAs 60 feet.

MISSED APPROACH: Climb to 1500 then climbing left turn to 2000 direct ALI VOR and hold.

ASOS 119,225	KINGSVILLE APP CON ★ 119,9 290,45	UNICOM 123.0 (CTAF) ①
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CATEGORY	A	B	C	D
CIRCLING	1060-1¼ 882 (900-1¼)	1060-2¾ 882 (900-2¾)	1060-3 882 (900-3)	1060-3 882 (900-3)

REIL Rwy 13 ①
MIRL Rwy 13-31 and 17-35 ①

ALPINE, TEXAS

AL-6295 (FAA)

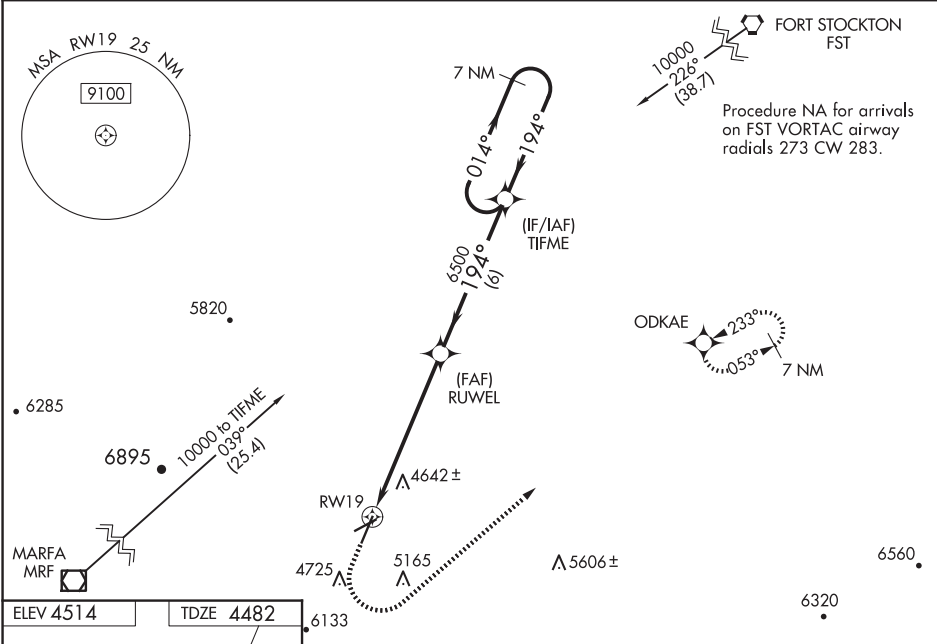
24081

WAAS CH 77923 W19A	APP CRS 194°	Rwy Idg TDZE 4482 Apt Elev 4514
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RNAV (GPS) RWY 19
ALPINE-CASPARIS MUNI (E38)

RNP APCH - GPS.		MISSED APPROACH: (Do not exceed 165K until ODKAE) Climb to 5200 then climbing left turn to 9000 direct ODKAE and hold, continue climb-in-hold to 9000.
	For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C or above 54°C. Circling NA W of Rwy 1-19. Rwy 19 helicopter visibility reduction below 3/4 SM NA.	

AWOS-3 119.025	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) 0
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MIRL Rwy's 1-19 and 5-23

CATEGORY	A		B	C	D
LPV DA	4964-1 ³ / ₈		482 (500-1 ³ / ₈)		NA
LNAV/VNAV DA	5125-1 ⁷ / ₈		643 (700-1 ⁷ / ₈)		NA
LNAV MDA	5180-1	698 (700-1)		5180-2 698 (700-2)	NA
CIRCLING	5180-1 666 (700-1)	5460-1 ¹ / ₄ 946 (1000-1 ¹ / ₄)		5760-3 1246 (1300-3)	NA

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ALPINE, TEXAS

AL-6295 (FAA)

24025

WAAS CH 50234 W23A	APP CRS 233°	Rwy Idg TDZE 4482 Apt Elev 4514
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RNAV (GPS) RWY 23

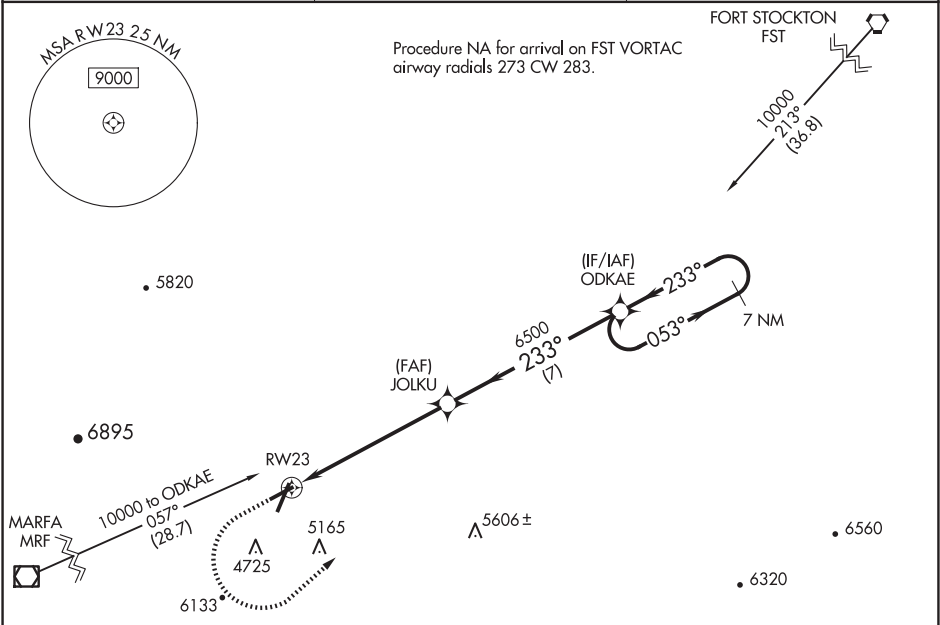
ALPINE-CASPARIS MUNI (E38)

⚠ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 54°C (130°F). Circling NA west of Rwy 1-19.

⚠ Rwy 23 helicopter visibility reduction below ¾ SM NA.
DME/DME RNP-0.3 NA.

MISSED APPROACH: (Do not exceed 165K until ODKAE)
Climb to 5400 then climbing left turn to 9000 direct ODKAE and hold, continue climb-in-hold to 9000.

AWOS-3 119.025	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) 0
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ELEV 4514	TDZE 4482
------------------	------------------

5400

9000

ODKAE

233°

*LNAV only.

RW23

2.8 NM to RW23

JOLKU

6500

6500

ODKAE

7 NM Holding Pattern

053°

233°

8000

GP 3.00°

TCH 40

2.8 NM

3.5 NM

7 NM

CATEGORY	A	B	C	D
LPV DA	4999-1⅓	517 (500-1⅓)		NA
LNAV/VNAV DA	5087-1¾	605 (600-1¾)		NA
LNAV MDA	5400-1¼	918 (900-1¼)	5400-2½ 918 (900-2½)	NA
CIRCLING	5400-1¼ 886 (900-1¼)	5460-1¼ 946 (1000-1¼)	5760-3 1246 (1300-3)	NA

MIRL Rwy 1-19 and 5-23 0

ALPINE, TEXAS

Orig 01FEB18

30°23'N-103°41'W

ALPINE-CASPARIS MUNI (E38)

RNAV (GPS) RWY 23

ODKAE1.ODKAE) 22195

AL-6295 (FAA)

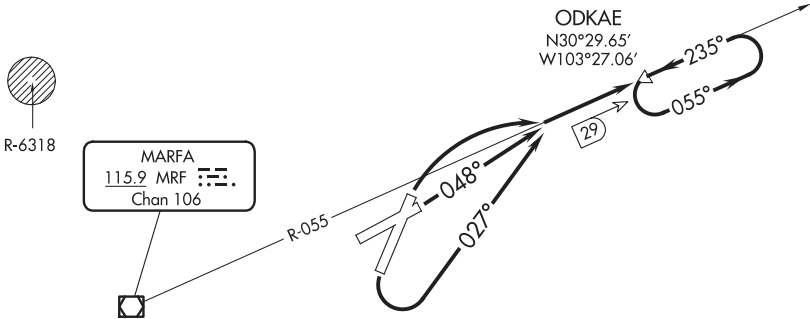
ODKAE ONE DEPARTURE (OBSTACLE)

ALPINE-CASPARIS MUNI (E38)

ALPINE, TEXAS

ALBUQUERQUE CENTER
135.875 292.15
CTAF
122.8

TAKEOFF MINIMUMS
Rwy 23: NA - Obstacle.
Rwys 1, 5: Standard.
Rwy 19: Standard with minimum climb of 432' per
NM to 6800 or 1800-3 for VCOA.



(NOTES CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climbing right turn to intercept MRF VOR/DME R-055 to ODKAE/29 DME, thence...

TAKEOFF RUNWAY 5: Climb on heading 048° to intercept MRF VOR/DME R-055 to ODKAE/29 DME, thence...

TAKEOFF RUNWAY 19: Climbing left turn on heading 027° to intercept MRF VOR/DME R-055 to ODKAE/29 DME, thence...

...continue climb in ODKAE holding pattern to 8600 before proceeding on course.

VCOA RUNWAY 19: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Alpine-Casparis Muni airport at or above 6200 on heading 027° and on MRF VOR/DME R-055 to ODKAE/29 DME, do not exceed 210K until established on MRF R -055 to ODKAE. Continue climb in ODKAE holding pattern to 8600 before proceeding on course.

TAKEOFF OBSTACLE NOTES

- Rwy 1: Fence 9' from DER, 283' left of centerline, 9' AGL/4458' MSL.
Sign 13' from DER, 239' right of centerline, 4452' MSL.
Vehicle on road 85' from DER, 278' left of centerline, 15' AGL/4463' MSL.
Pole 811' from DER, 470' right of centerline, 4470' MSL.
- Rwy 5: Sign 13' from DER, 239' left of centerline, 4452' MSL.
Sign 18' from DER, 164' right of centerline, 4453' MSL.
Antenna, vehicle on road, pole beginning 21' from DER, 400' right of centerline, up to 25' AGL/4474' MSL.
Tree 190' from DER, 468' left of centerline, 11' AGL/4455' MSL.
Trees beginning 292' from DER, 475' left of centerline, up to 19' AGL/4462' MSL.
Poles, tree beginning 480' from DER, 187' right of centerline, up to 4478' MSL.
Pole 612' from DER, 626' left of centerline, 33' AGL/4472' MSL.
Pole 1060' from DER, 658' left of centerline, 4476' MSL.
- Rwy 19: Vehicle on road, sign, tree beginning 1' from DER, 165' left of centerline, up to 4526' MSL.
Terrain 57' from DER, 121' right of centerline, 4516' MSL.
Vehicle on road 74' from DER, 276' right of centerline, 15' AGL/4531' MSL.
Vehicle on road 230' from DER, 290' left of centerline, 4527' MSL.
Vehicles on road beginning 293' from DER, 277' right of centerline, up to 4535' MSL.
Vehicles on road beginning 379' from DER, 265' right of centerline, up to 4536' MSL.
Vehicle on road 420' from DER, 289' left of centerline, 4528' MSL.
Pole 536' from DER, 573' left of centerline, 4548' MSL.
Windmill, vehicle on road, poles, tree beginning 548' from DER, 183' left of centerline, up to 4554' MSL.
Poles beginning 1325' from DER, 60' right of centerline, up to 4561' MSL.
Poles beginning 1334' from DER, 279' left of centerline, up to 4556' MSL.
Pole 1565' from DER, 689' right of centerline, 4562' MSL.
Terrain 2.4 NM from DER, 2888' left of centerline, 4927' MSL.

AUSTIN, TEXAS

AL-5891 (FAA)

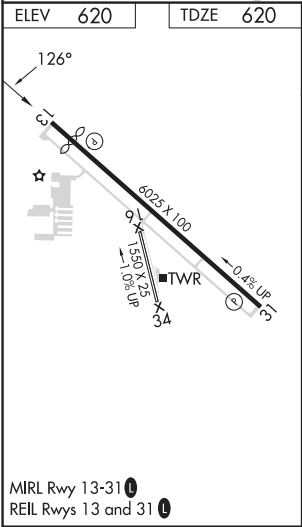
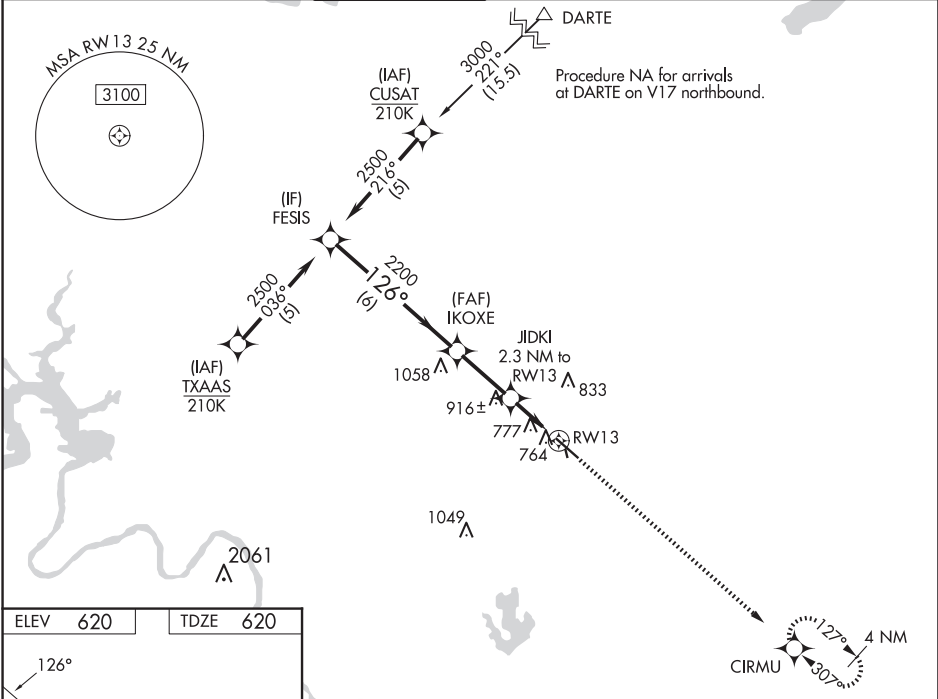
23222

WAAS CH 63116 W13A	APP CRS 126°	Rwy Idg TDZE Apt Elev	5425 620 620
--	------------------------	-----------------------------	---

RNAV (GPS) RWY 13

AUSTIN EXEC (EDC)

RNP APCH - GPS.				MISSED APPROACH: Climb to 2200 direct CIRMU and hold.	
Circling NA to Rwy 16 and 34. Rwy 13 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.					
AWOS-3 118.825	AUSTIN APP CON 127.225 317.65	EXECUTIVE TOWER★ 120.3 (CTAF) 0	GND CON 119.45	CLNC DEL 126.025 (When twr closed)	UNICOM 122.975



CATEGORY	A		B	C	D
LPV DA	870- ³ / ₄ 250 (300- ³ / ₄)				
LNAV/VNAV DA	1080-1 ³ / ₈ 460 (500-1 ³ / ₈)				
LNAV MDA	1080-1	460 (500-1)	1080-1 ³ / ₈ 460 (500-1 ³ / ₈)		
CIRCLING	1140-1 520 (600-1)	1160-1 540 (600-1)	1280-1 ³ / ₄ 660 (700-1 ³ / ₄)	1280-2 660 (700-2)	

AUSTIN, TEXAS
Amdt 1 23FEB23

30°24'N-97°34'W

AUSTIN EXEC (EDC)



RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 45916 W31A	APP CRS 306°	Rwy Idg 6025 TDZE 612 Apt Elev 620
--	------------------------	---

RNAV (GPS) RWY 31
AUSTIN EXEC (EDC)

RNP APCH - GPS.				MISSED APPROACH: Climb to 3500 direct GUKWT and on track 021° to DARTE and hold.	
<div> <div>   </div> <div> Circling NA to Rwy's 16 and 34. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. </div> </div>					
AWOS-3 118.825	AUSTIN APP CON 127.225 317.65	EXECUTIVE TOWER★ 120.3 (CTAF) 0	GND CON 119.45	CLNC DEL 126.025 (When twr closed)	UNICOM 122.975

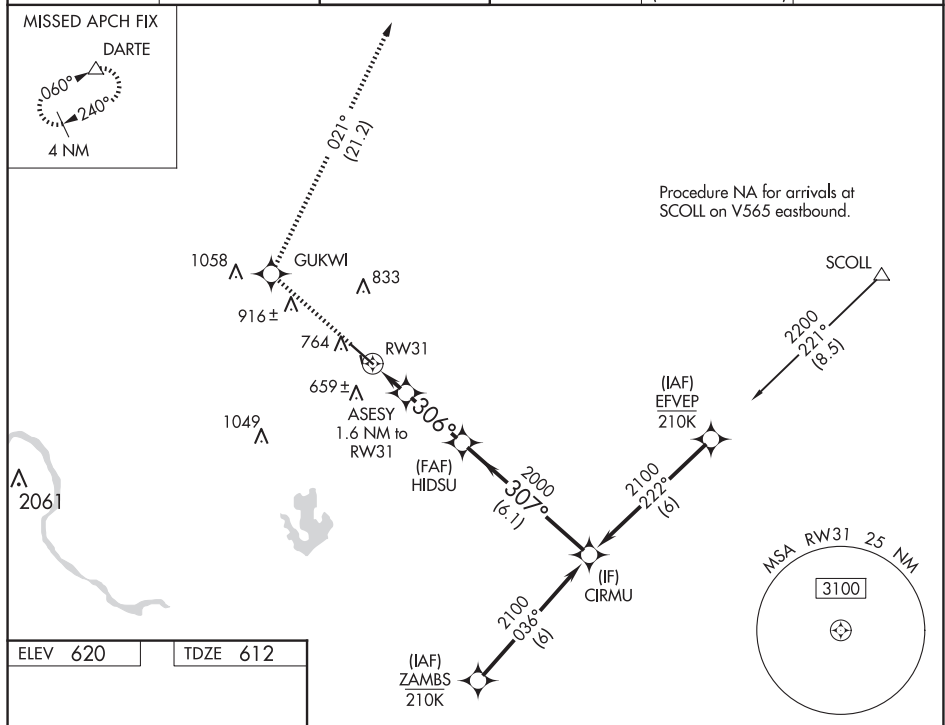
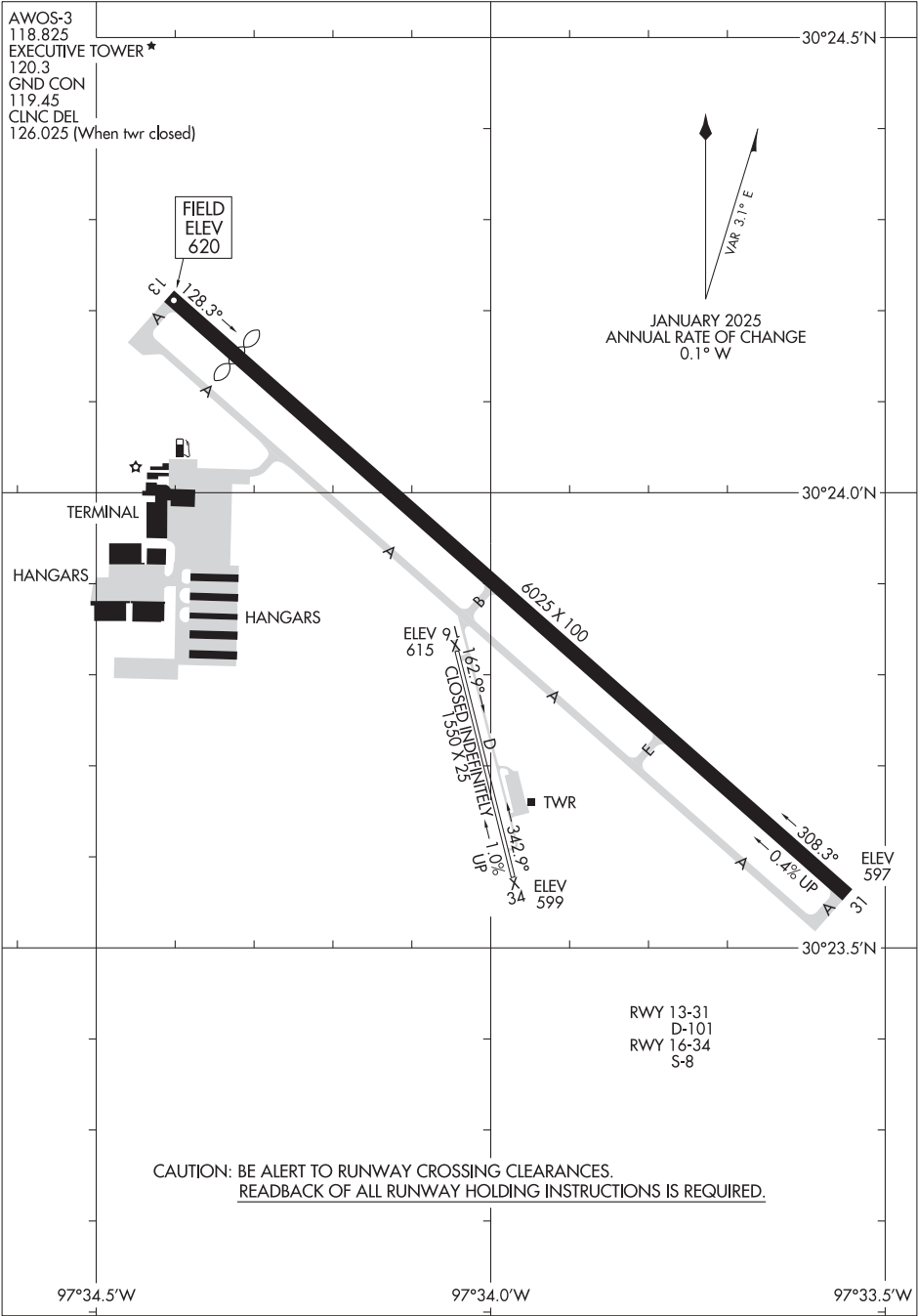


Figure 1-1 illustrates a 4-segment RNAV approach for Runway 31. The approach is defined by the following segments and altitudes:

- Segment 1:** 1.6 NM to RW31, 1500 to 2100 feet.
- Segment 2:** 0.9 NM to RW31, 2000 feet.
- Segment 3:** 2.7 NM to RW31, 2100 feet.
- Segment 4:** 6.1 NM to RW31, 2100 feet.

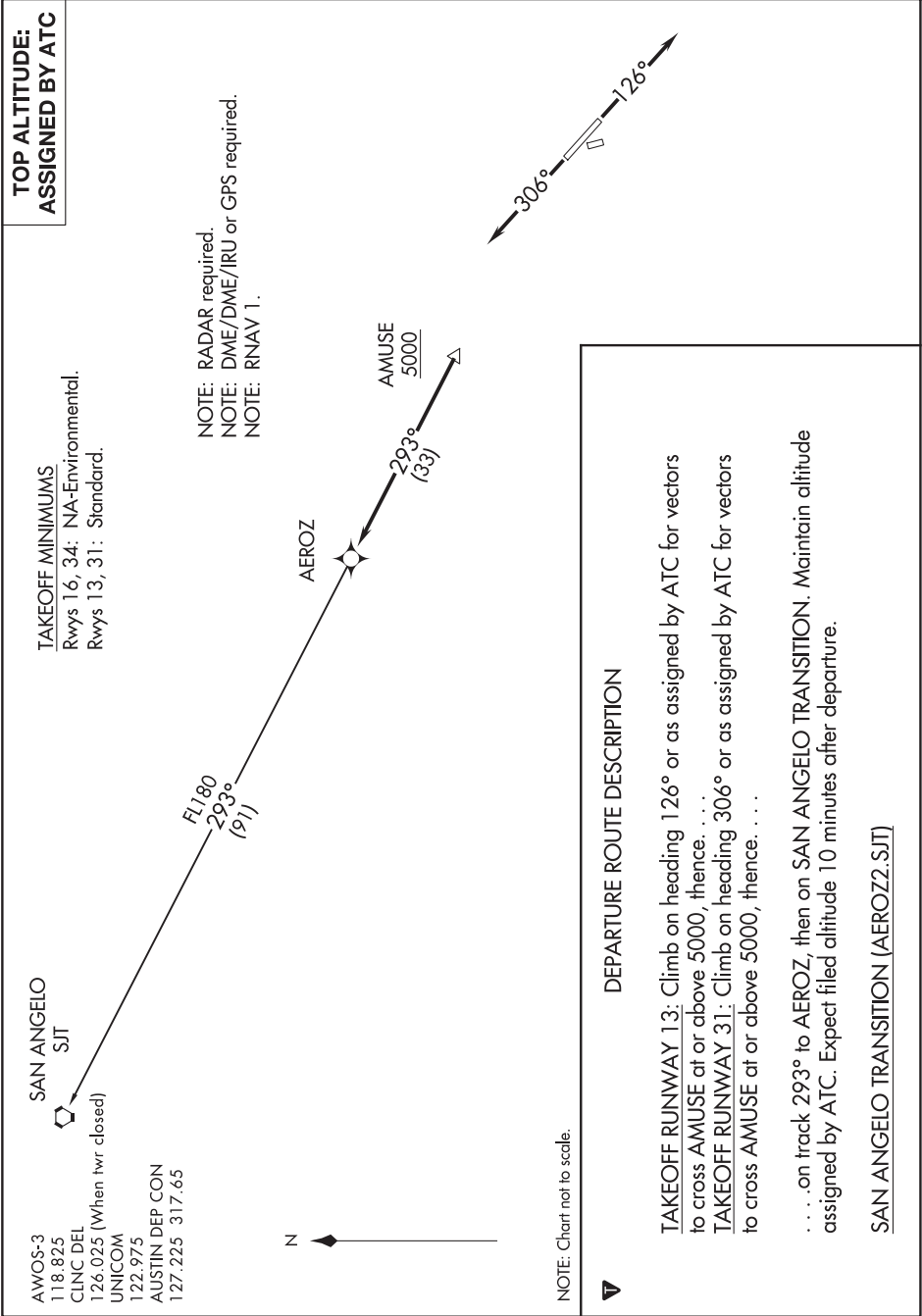
The diagram also shows the MRL Rwy 13-31 and REIL Rwy 13 and 31. The approach is for Runway 31, which is 1300 feet long. The diagram also shows the MRL Rwy 13-31 and REIL Rwy 13 and 31.



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

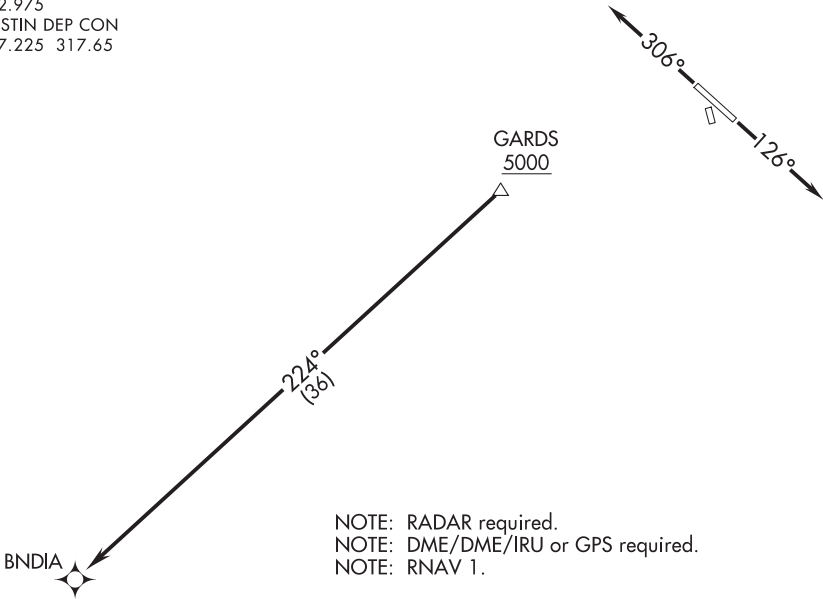
SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

AWOS-3
118.825
CLNC DEL
126.025 (when twr closed)
EXECUTIVE TOWER ★
120.3 (CTAF)
UNICOM
122.975
AUSTIN DEP CON
127.225 317.65

TOP ALTITUDE:
ASSIGNED BY ATC



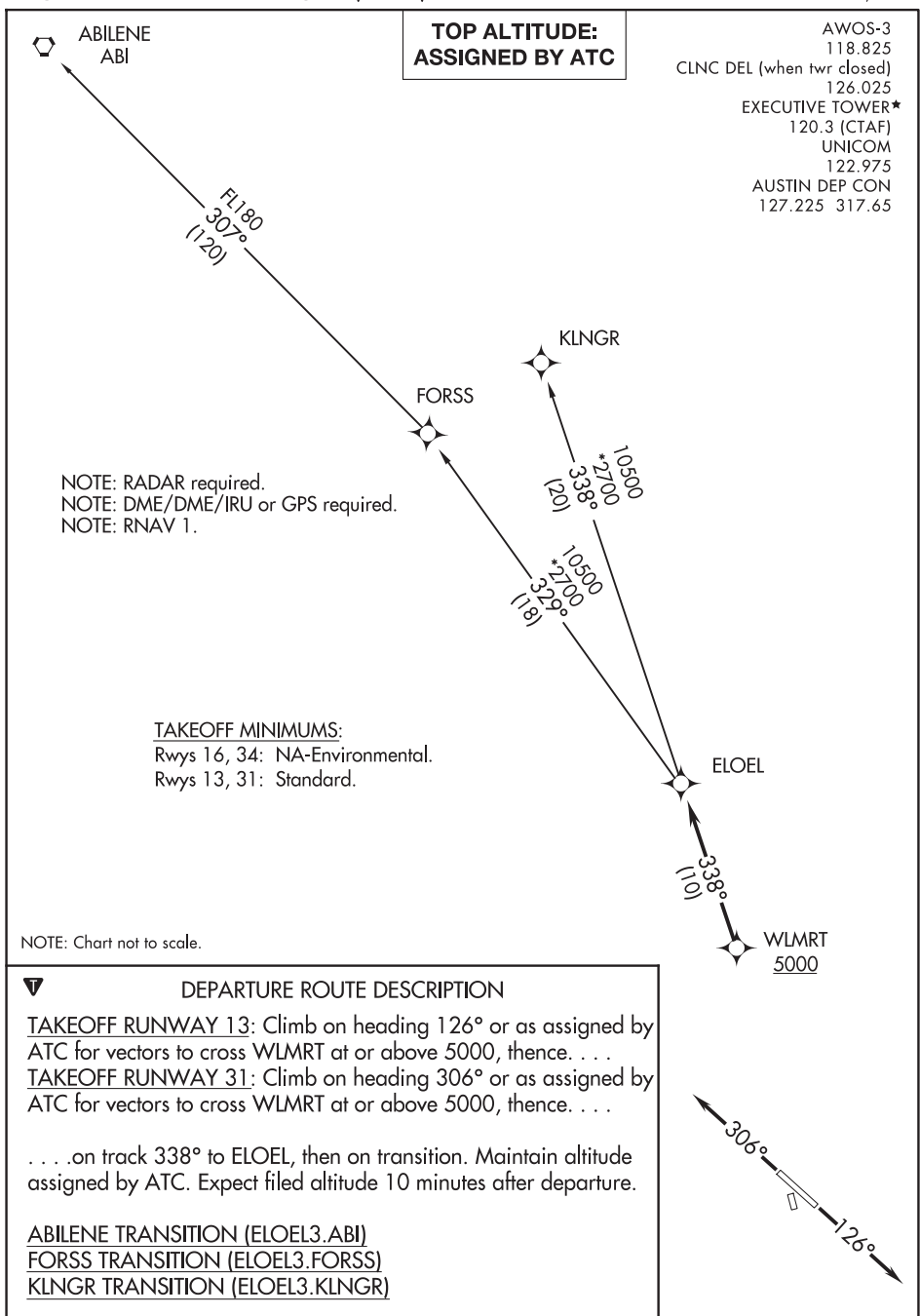
TAKEOFF MINIMUMS:
Rwys 16, 34: NA-Environmental.
Rwys 13, 31: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence. . . .
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence. . . .

. . . .on track 224° to BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.



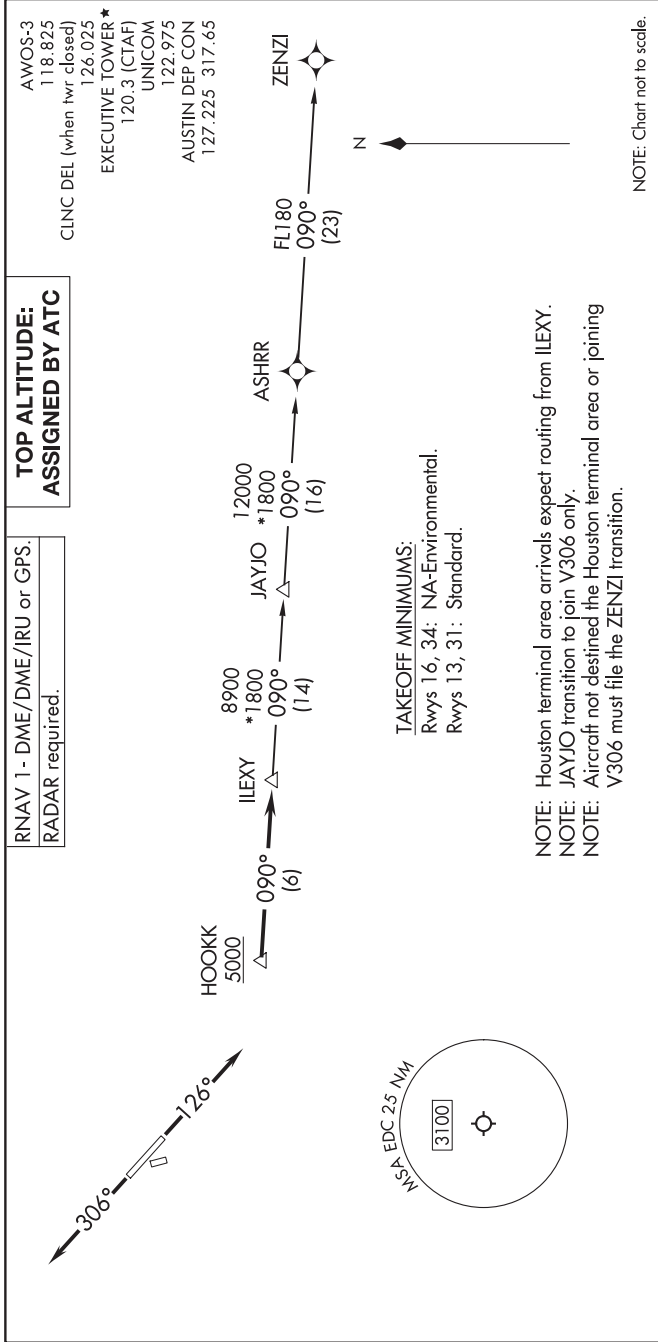
ELOEL THREE DEPARTURE (RNAV)

(ELOEL3.ELOEL) 22APR21

AUSTIN, TEXAS

AUSTIN EXEC (EDC)

(ILEXY4.ILEXY) 23166
ILEXY FOUR DEPARTURE (RNAV)



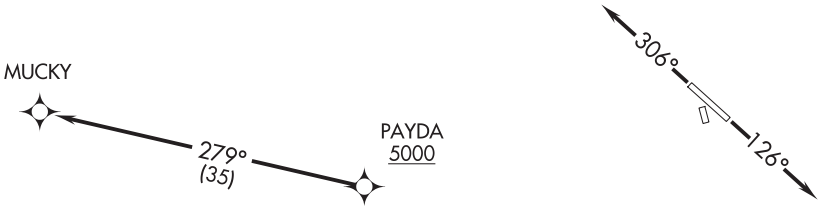
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence, . . .
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence, . . .
... on track 090° to ILEXY, then on transition. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

JAYJO TRANSITION (ILEXY4.JAYJO)
ZENZI TRANSITION (ILEXY4.ZENZI)

AWOS-3
118.825
CLNC DEL (when twr closed)
126.025
EXECUTIVE TOWER ★
120.3 (CTAF)
UNICOM
122.975
AUSTIN DEP CON
127.225 317.65

TOP ALTITUDE:
ASSIGNED BY ATC



TAKEOFF MINIMUMS:
Rwys 16, 34: NA-Environmental.
Rwys 13, 31: Standard.

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.



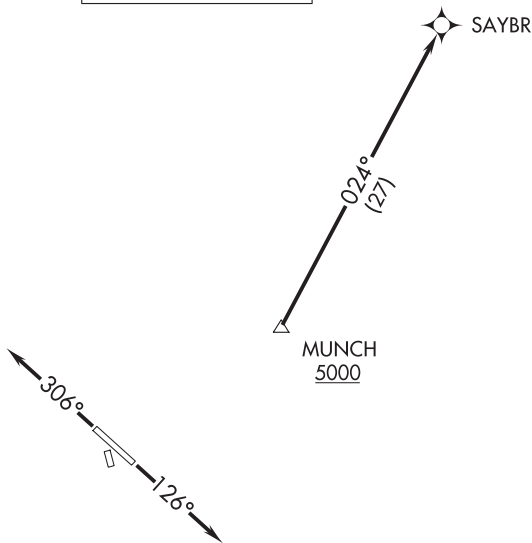
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .
...on track 279° to MUCKY. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

SAYBR THREE DEPARTURE (RNAV)

AWOS-3
118.825
CLNC DEL
126.025 (When twr closed)
EXECUTIVE TOWER★
120.3 (CTAF)
UNICOM
122.975
AUSTIN DEP CON
127.225 317.65

TOP ALTITUDE:
ASSIGNED BY ATC



- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: For DFW terminal area arrivals at FL230 or below only.

TAKEOFF MINIMUMS
Rwys 16, 34: NA-Environmental.
Rwys 13, 31: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .
... on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

LOC/DME I-VNK	APP CRS	Rwy Idg	9000
110.5	175°	TDZE	492
Chan 42		Apt Elev	542

ILS or LOC RWY 18L

AUSTIN-BERGSTROM INTL (AUS)

RNP APCH-GPS. From HOUKM or JEDYE.

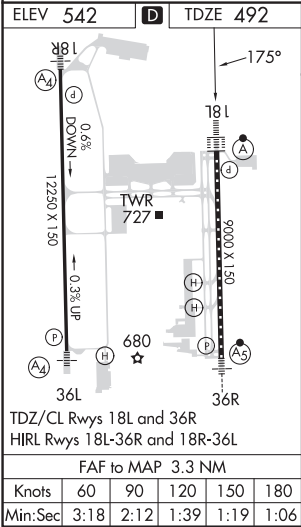
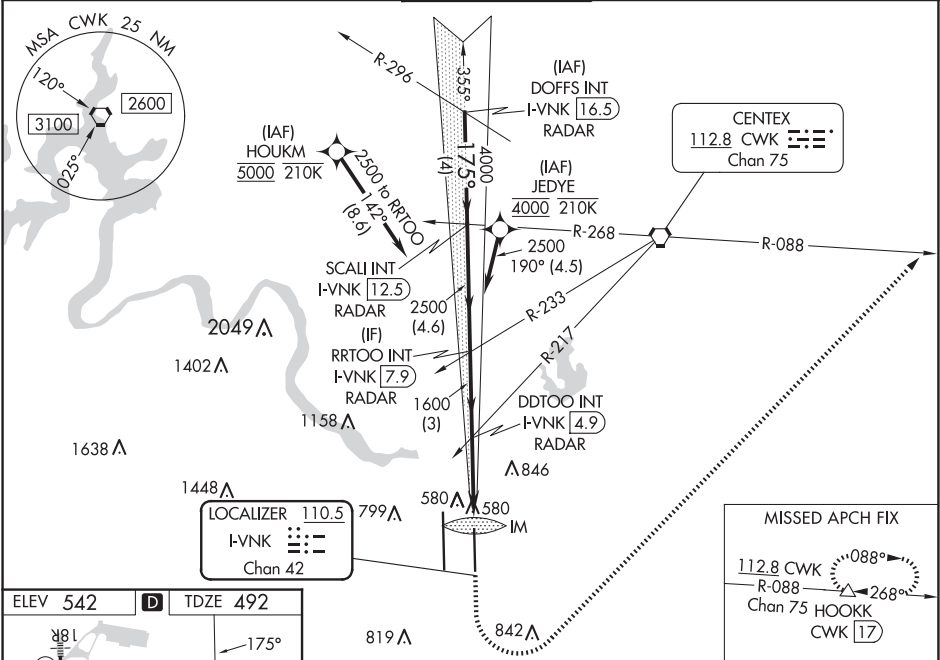
RADAR required for procedure entry from DOFFS. DME required.

Simultaneous approach authorized. For inop ALS, increase S-ILS-18L Cat E visibility to RVR 4000, and S-LOC-18L Cats C, D, and E visibility to RVR 5500.

ALSF-2

MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 on heading 040° and CWK VORTAC R-088 to HOOKK/CWK 17 DME and hold.

D-ATIS	AUSTIN APP CON	AUSTIN TOWER	GND CON	CLNC DEL	CPDLC
124.4	127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	121.0 281.5	121.9 348.6	125.5 263.0	



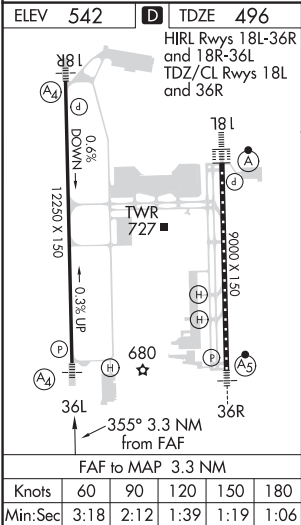
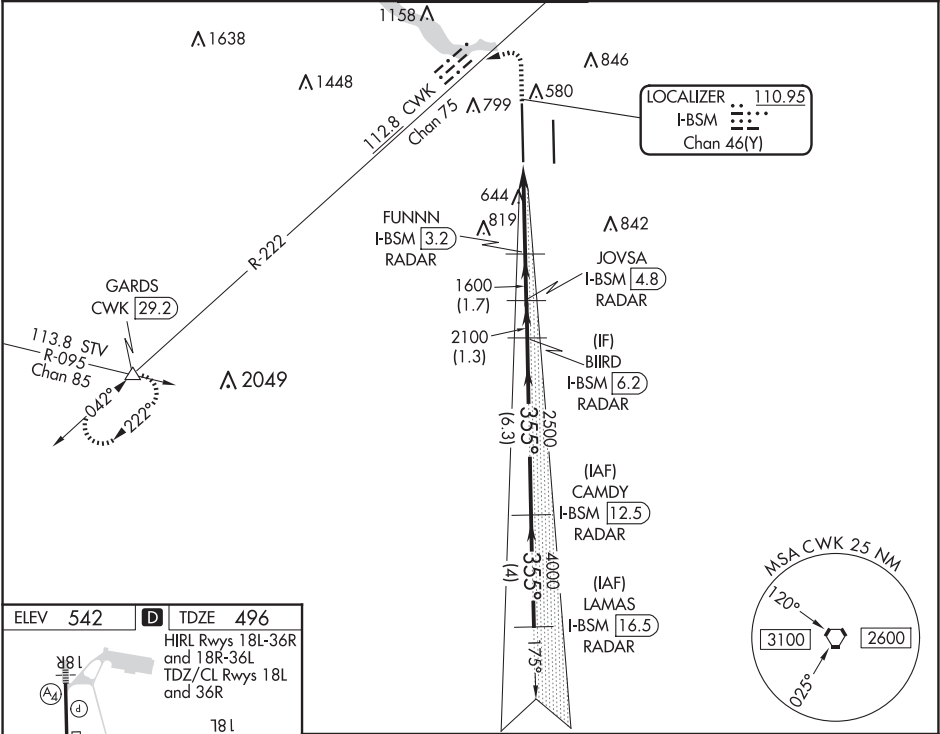
VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 74).					
DOFFS INT I-VNK 16.5 RADAR	SCALI INT I-VNK 12.5 RADAR	RRTOO INT I-VNK 7.9 RADAR	DDTOO INT I-VNK 4.9 RADAR	I-VNK 2.5	I-VNK 1.6
5000	4000	2500	1600	1600	IM
GS 3.00° TCH 61	4 NM	4.6 NM	3 NM	2.4 NM	0.8 0.1
CATEGORY	A	B	C	D	E
S-ILS 18L	692/18 200 (200-½)				
S-LOC 18L	840/24	348 (300-½)	840/30	348 (300-¾)	
CIRCLING	1040-1 498 (500-1)	1120-1 578 (600-1)	1200-1¾ 658 (700-1¾)	1200-2 658 (700-2)	NA

LOC/DME I-BSM	APP CRS	Rwy Idg	12250
110.95	355°	TDZE	496
Chan 46(Y)		Apt Elev	542

ILS or LOC RWY 36L
AUSTIN-BERGSTROM INTL (AUS)

DME or RADAR required.	MALS	MISSED APPROACH: Climb to 1000 then climbing left turn to 3500 on heading 250° and CWK VORTAC R-222 to GARDS INT/CWK 29.2 DME and hold.
Simultaneous approach authorized. For inop ALS, increase S-LOC 36L Cats C/D/E visibility to RVR 6000. Inop table does not apply to S-ILS 36L all Cats.	A4	

D-ATIS	AUSTIN APP CON	AUSTIN TOWER	GND CON	CLNC DEL	CPDLC
124.4	127.225 317.65 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	121.0 281.5	121.9 348.6	125.5 263.0	





1000 ↑	3500 hdg 250°	CWK R-222	GARDS △	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 60).		LAMAS I-BSM 16.5 RADAR
I-BSM DME ANTENNA		FUNNN I-BSM 3.2 RADAR	JOVSA I-BSM 4.8 RADAR	BIIRD I-BSM 6.2 RADAR	CAMDY I-BSM 12.5 RADAR	5000
I-BSM 0.2		I-BSM 0.9	1600	2100	2500	4000
1.1 NM		2.2 NM	1.7 NM	1.3 NM	6.3 NM	4 NM
CATEGORY		A	B	C	D	E
S-ILS 36L		696/40 200 (200-¾)				
S-LOC 36L		900/40 404 (400-¾)		900/50 404 (400-1)		

SC-3, 12 JUN 2025 to 07 AUG 2025

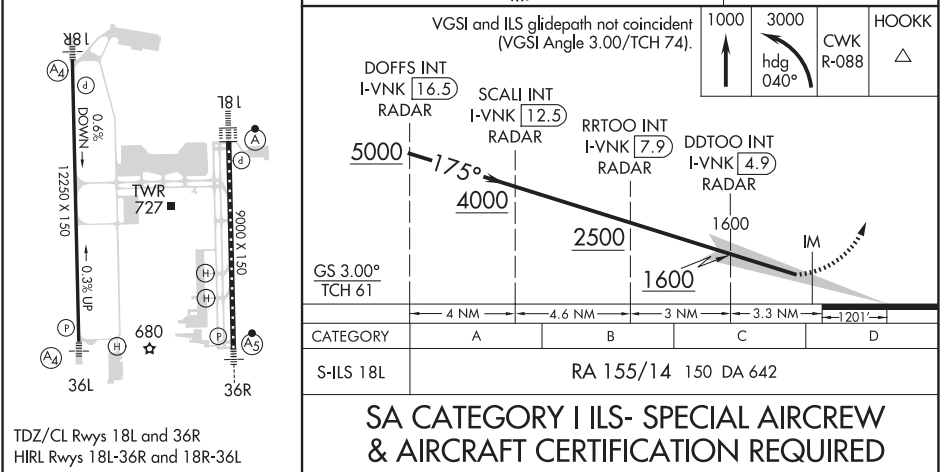
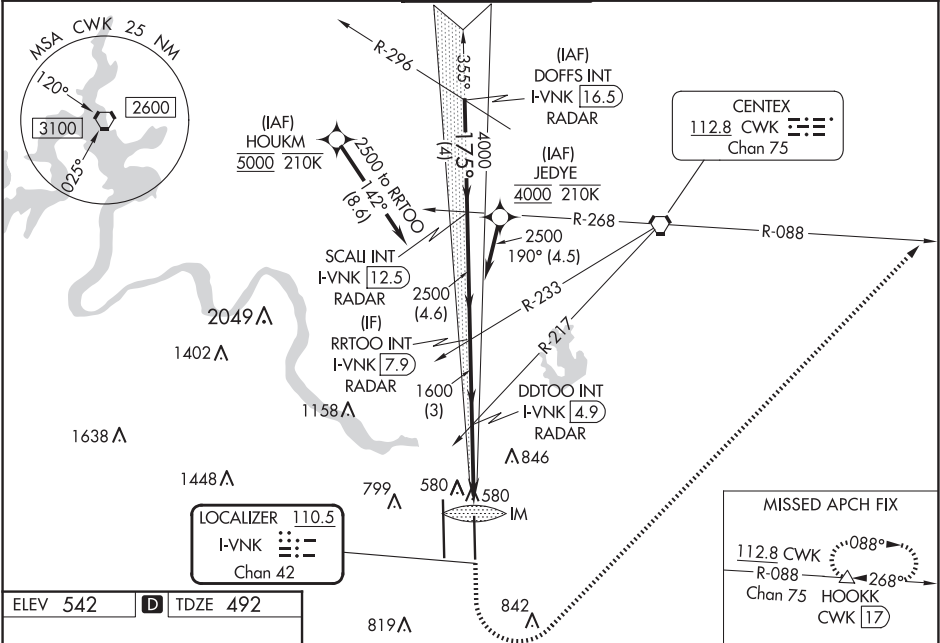
SC-3, 12 JUN 2025 to 07 AUG 2025

AUSTIN-BERGSTROM INTL (AUS)
ILS or LOC RWY 36R

LOC/DME I-VNK 110.5 Chan 42	APP CRS 175°	Rwy Idg 9000 TDZE 492 Apt Elev 542	ILS RWY 18L (SA CAT I) AUSTIN-BERGSTROM INTL (AUS)
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RNP APCH-GPS. From HOUKM or JEDYE.		ALSIF-2 	MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 on heading 040° and CWK VORTAC R-088 to HOOKK/CWK 17 DME and hold.
RADAR required for procedure entry from DOFFS. DME required.			
 Simultaneous approach authorized. Requires specific OPSPEC, MSPEC or LOA approval.			

D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC
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AUSTIN, TEXAS

LOC/DME I-HCE 110.5 Chan 42	APP CRS 355°	Rwy Idg 9000 TDZE 480 Apt Elev 542
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ILS RWY 36R (SA CAT I & II)
AUSTIN-BERGSTROM INTL (AUS)

DME required. RADAR required for procedure entry.

T Simultaneous approach authorized.
SA CAT I: Requires specific OPSPEC, MSPEC or LOA approval.
SA CAT II: Requires specific OPSPEC, MSPEC or LOA approval.

MALSR

MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 on heading 030° and CWK VORTAC R-088 to HOOKK/CWK 17 DME and hold.

D-ATIS	AUSTIN APP CON 127.225 317.65 (EAST) 124.4 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC
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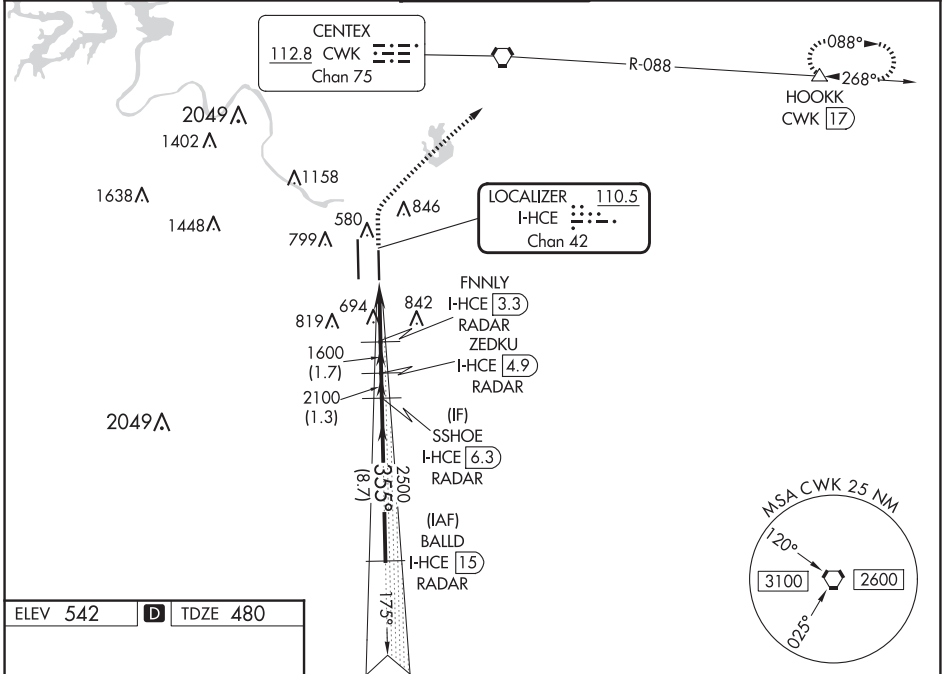
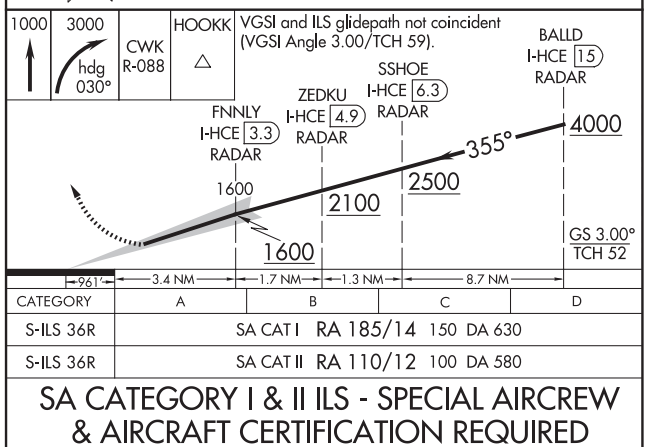


Diagram illustrating the proposed HIRL (High Intensity Runway Lighting) and TDZ/CL (Touchdown and Clearance) lighting systems for Runways 18R, 36L, 18L, and 36R. The diagram shows the layout of the runways, taxiways, and the proposed lighting system. Key features include:

- Runway 18R:** 12250 x 150 ft, 0.6% DOWN slope.
- Runway 36L:** 12250 x 150 ft, 0.3% UP slope.
- Runway 18L:** 9000 x 150 ft.
- Runway 36R:** 12250 x 150 ft.
- Lighting Systems:** HIRL (High Intensity Runway Lighting) and TDZ/CL (Touchdown and Clearance) lighting.
- Other Features:** TWR 727, 680, and various taxiway markings (A4, P, H, A5).

ELEV 542 TDZE 480

HIRL Rwy 18R-36L and 18L-36R
TDZ/CL Rwy 18L and 36R



AUSTIN, TEXAS

Amdt 4D 05SEP24

AUSTIN-BERGSTROM INTL (AUS)

30°12'N-97°40'W

ILS RWY 36R (SA CAT I & II)

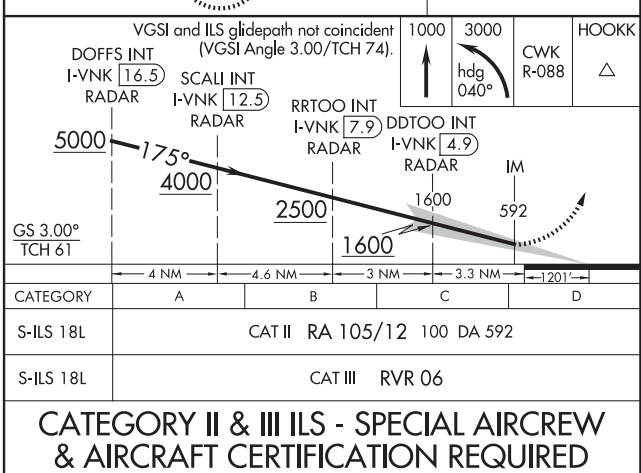
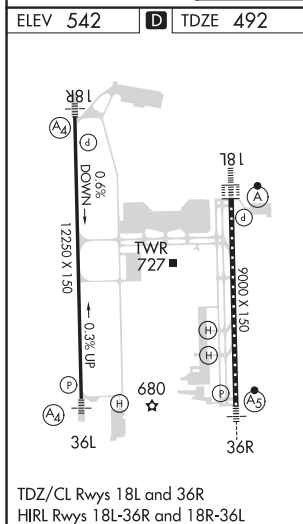
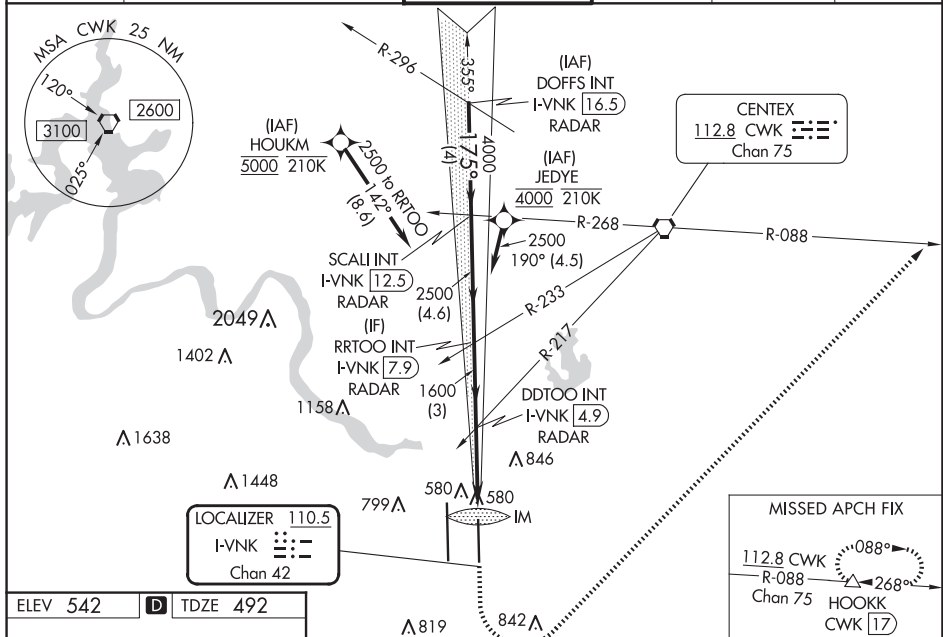
SC-3, 12 JUN 2025 to 07 AUG 2025

ILS RWY 18L (CAT II & III)
AUSTIN-BERGSTROM INTL (AUS)

MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 on heading 040° and CWK VORTAC R-088 to HOOKK/CWK 17 DME and hold.

Simultaneous approach authorized.

D-ATIS	AUSTIN APP CON		AUSTIN TOWER		GND CON		CLNC DEL		CPDLC
124.4	127.225	317.65 (EAST)	121.0	281.5	121.9	348.6	125.5	263.0	
	120.875	270.25 (SOUTH)							
	119.0	370.85 (WEST)							



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

AUSTIN, TEXAS

AL-556 (FAA)

21112

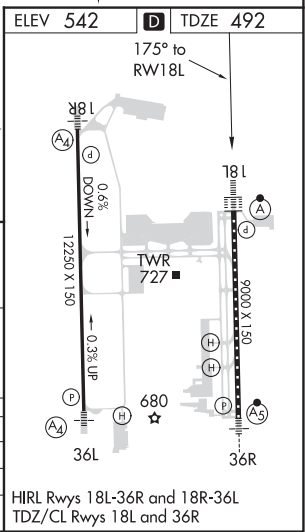
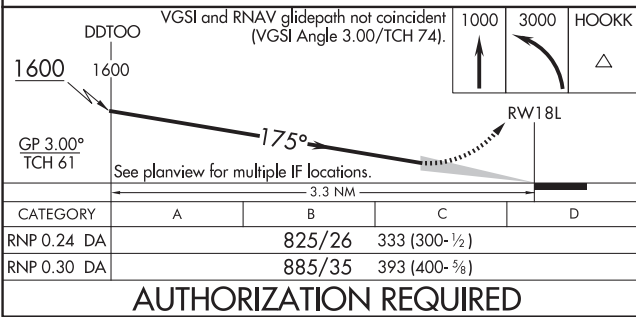
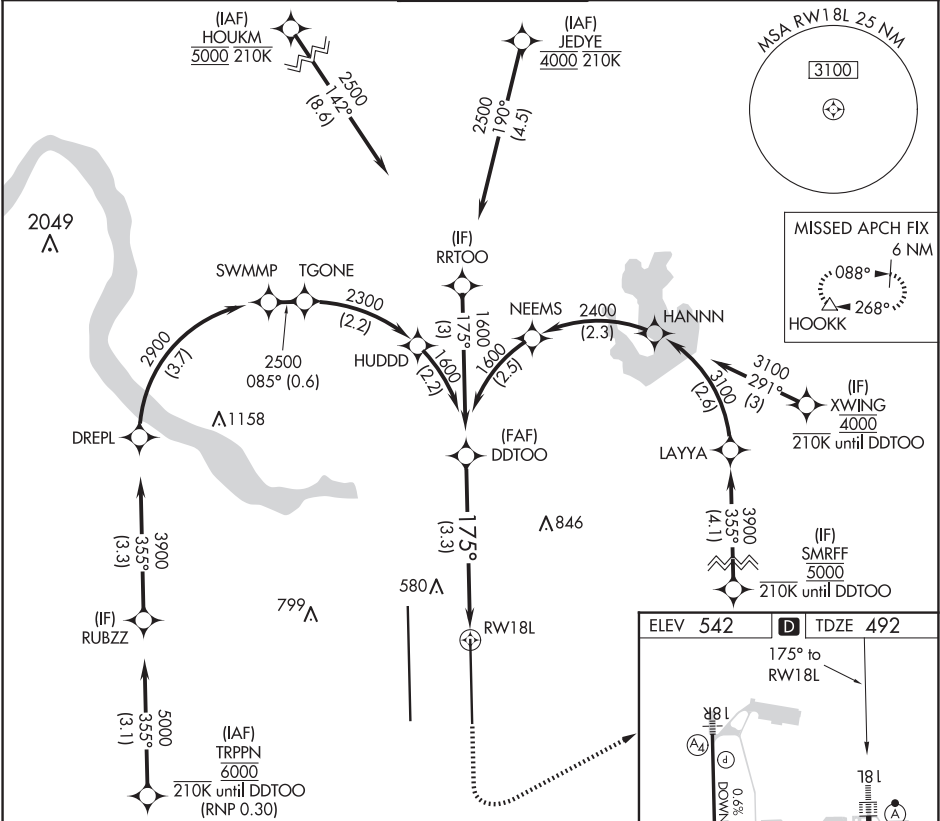
APP CRS	Rwy Idg	9000
175°	TDZE	492
	Apt Elev	542

RNAV (RNP) Z RWY 18L

AUSTIN-BERGSTROM INTL (AUS)

RADAR required. RNP AR APCH-GPS.		ALSIF-2	MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 direct HOOKK and hold.	
Simultaneous approach authorized. For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.				

D-ATIS	AUSTIN APP CON	AUSTIN TOWER	GND CON	CLNC DEL	CPDLC
124.4	127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	121.0 281.5	121.9 348.6	125.5 263.0	



AUTHORIZATION REQUIRED

AUSTIN, TEXAS

Amdt 2 22APR21

30°12'N-97°40'W

AUSTIN-BERGSTROM INTL (AUS)

RNAV (RNP) Z RWY 18L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

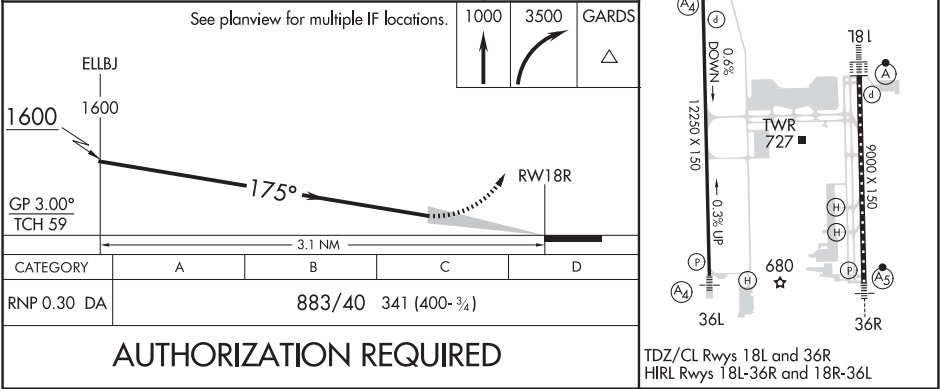
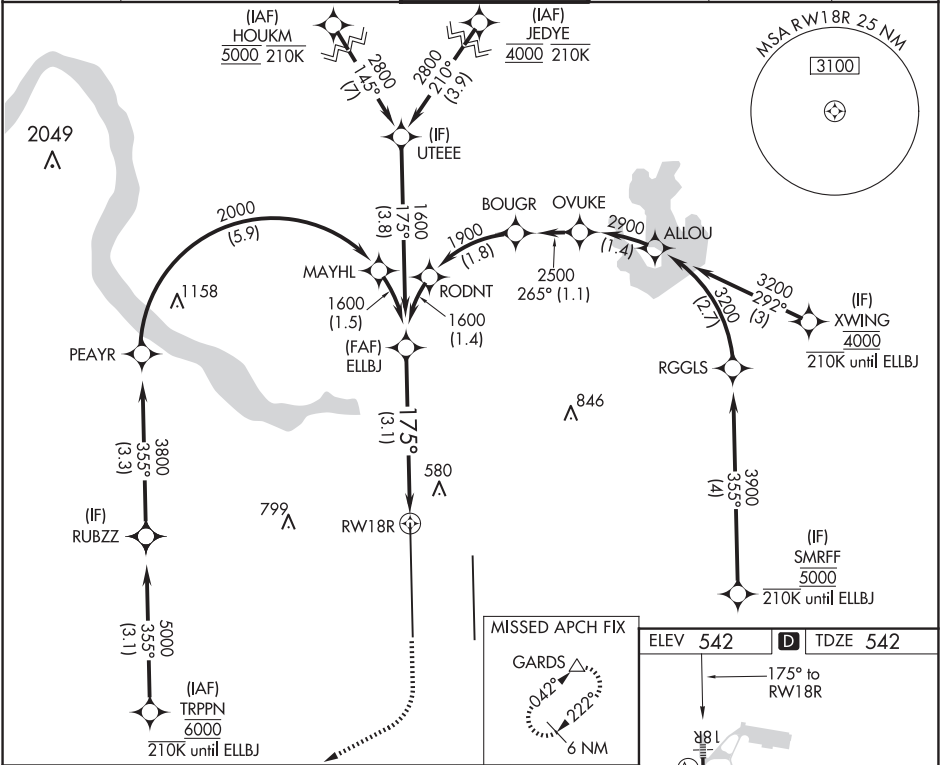
APP CRS	Rwy Idg	12250
175°	TDZE	542
	Apt Elev	542

RNAV (RNP) Z RWY 18R

AUSTIN-BERGSTROM INTL (AUS)

RNP AR APCH-GPS. RADAR required.	MALS	MISSED APPROACH: Climb to 1000 then climbing right turn to 3500 direct GARDS and hold.
Simultaneous approach authorized. For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	A4	

D-ATIS	AUSTIN APP CON	AUSTIN TOWER	GND CON	CLNC DEL	CPDLC
124.4	127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	121.0 281.5	121.9 348.6	125.5 263.0	





SC-3, 12 JUN 2025 to 07 AUG 2025

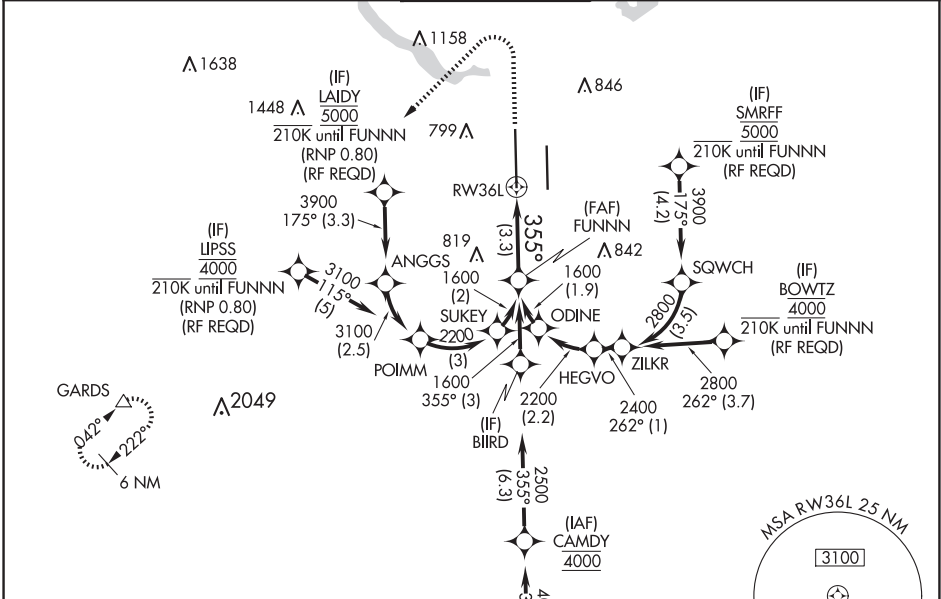
SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS	Rwy Idg	12250
355°	TDZE	496
	Apt Elev	542

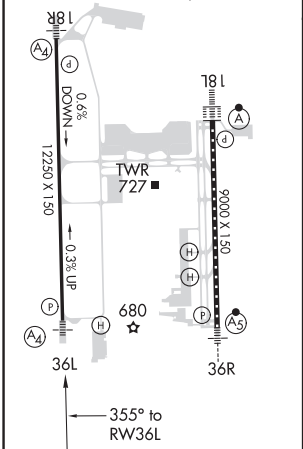
RNAV (RNP) Z RWY 36L
AUSTIN-BERGSTROM INTL (AUS)




RNP AR APCH. RADAR required.	MALS 	MISSED APPROACH: Climb to 1700 then climbing left turn to 3500 direct GARDS and hold.
 Simultaneous approach authorized. For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C. For inop ALS, increase RNP 0.11 all Cats visibility to RVR 4500 and RNP 0.30 all Cats visibility to RVR 5500.		

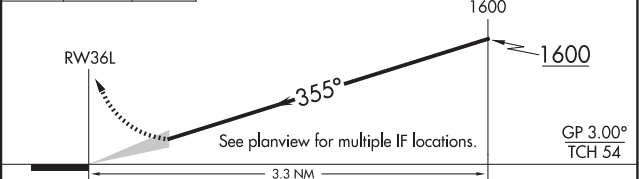
D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC
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ELEV 542	 TDZE 496
HIRL Rwy 18L-36R and 18R-36L TDZ/CL Rwys 18L and 36R	



1700	3500	GARDS	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 60).
			



CATEGORY	A	B	C	D
RNP 0.11 DA	758/40 262 (300-¾)			
RNP 0.30 DA	858/40 362 (400-¾)			

AUTHORIZATION REQUIRED

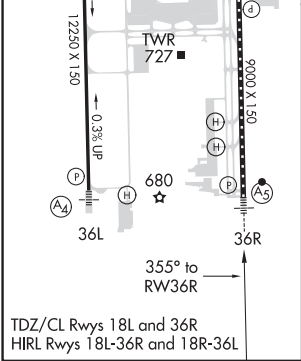
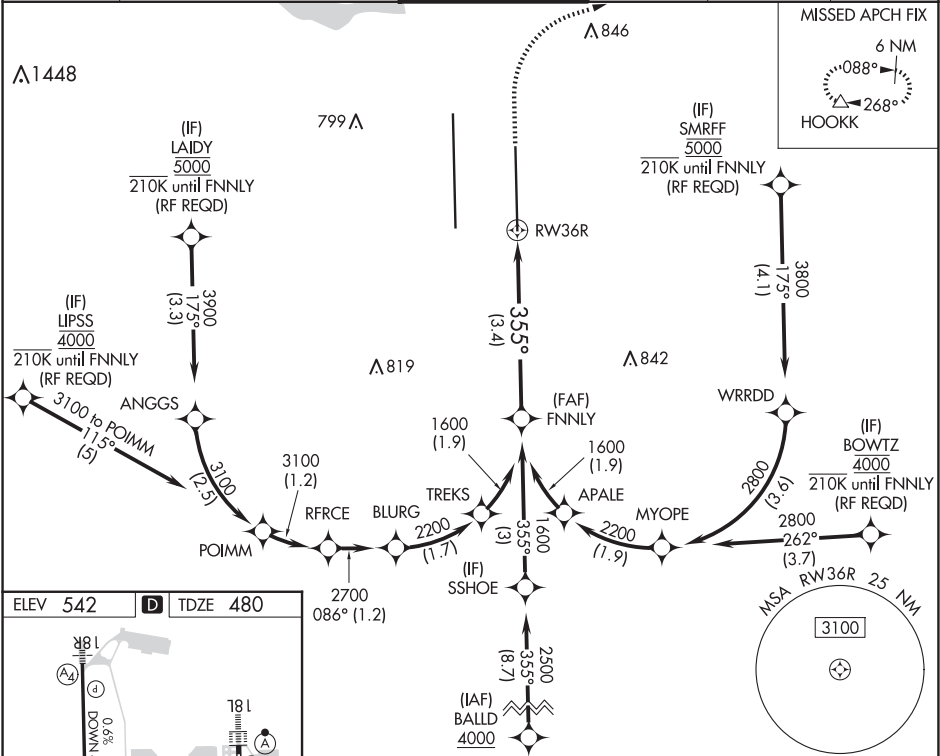
APP CRS	Rwy ldg	9000
355°	TDZE	480
	Apt Elev	542

RNAV (RNP) Z RWY 36R

AUSTIN-BERGSTROM INTL (AUS)

RNP AR APCH. RADAR required.	MALSR 	MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct HOOKK and hold.
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D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC
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1000	3000	HOOKK	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00°/TCH 59°).	FNNLY
			GP 3.00° TCH 52	
See planview for multiple IF locations.				
3.4 NM				
CATEGORY	A	B	C	D
RNP 0.11 DA		744/24	264 (300-1/2)	
RNP 0.16 DA		862/35	382 (400-3/4)	
RNP 0.30 DA		915/40	435 (400-3/4)	
AUTHORIZATION REQUIRED				

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

AUSTIN, TEXAS

AL-556 (FAA)

24249

WAAS CH 62829 W18A	APP CRS 175°	Rwy Idg TDZE 492 Apt Elev 542
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RNAV (GPS) Y RWY 18L

AUSTIN-BERGSTROM INTL (AUS)

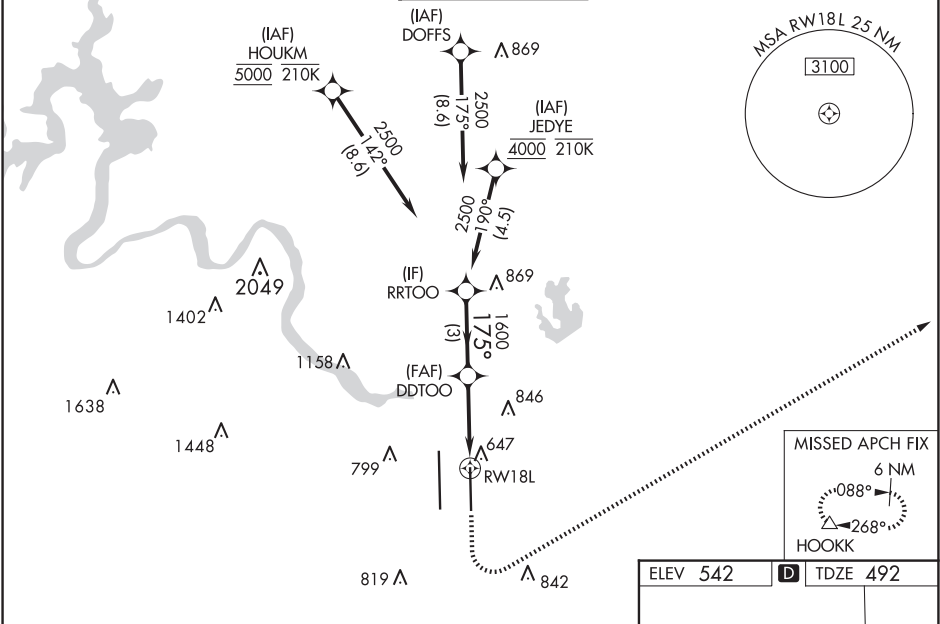
RNP APCH-GPS.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. Use of FD or AP required during simultaneous operations. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV visibility all Cats to RVR 6000, and LNAV visibility Cats C, D, and E to RVR 6000.

ALS-2

MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 direct HOOKK and hold.

D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC
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RRTOO

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 74).

1000 3000 HOOKK

2500 175° 1600

GP 3.00° TCH 61

3 NM 2.2 NM 1.1 NM

1.1 NM to RW18L

RW18L

CATEGORY	A	B	C	D	E
LPV DA	692/18 200 (200-½)				
LNAV/VNAV DA	906/40 414 (400-¾)				
LNAV MDA	900/24 408 (400-½)	900/40 408 (400-¾)			
CIRCLING	1040-1 498 (500-1)	1120-1 578 (600-1)	1200-1¾ 658 (700-1¾)	1200-2 658 (700-2)	NA

ELEV 542 D TDZE 492

18L

175°

18L

0.6% DOWN

0.3% UP

12250 X 150

TWR 727

680

9000 X 150

36L

36R

HIRL Rwy 18L-36R and 18R-36L
TDZ/CL Rwy 18L and 36R

AUSTIN, TEXAS

Amdt 3B 05SEP24

30°12'N-97°40'W

AUSTIN-BERGSTROM INTL (AUS)

RNAV (GPS) Y RWY 18L

WAAS CH 77530 W18B	APP CRS 175°	Rwy Idg 12250 TDZE 542 Apt Elev 542
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RNAV (GPS) Y RWY 18R

AUSTIN-BERGSTROM INTL (AUS)

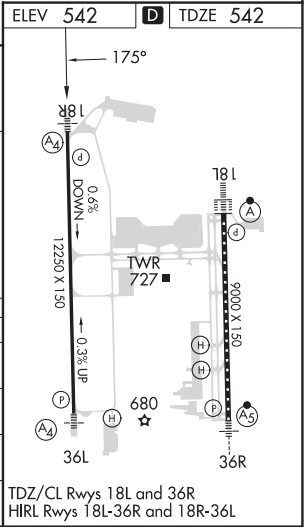
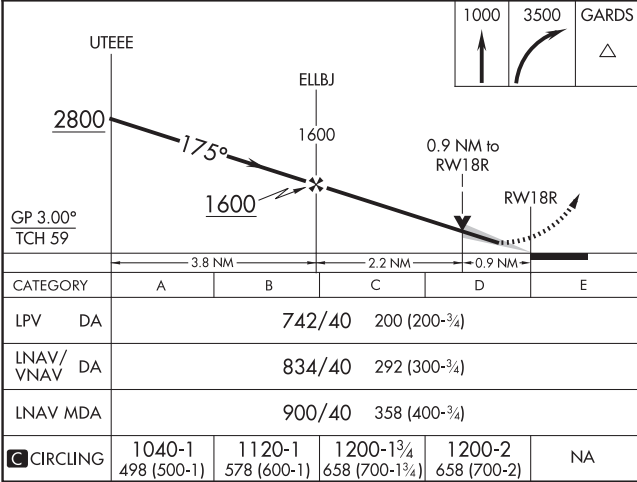
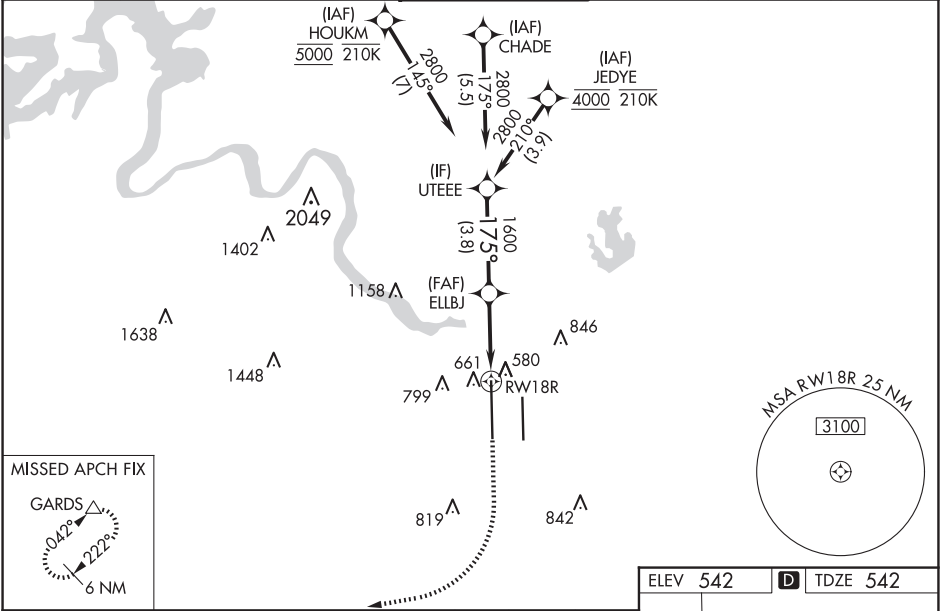
RNP APCH-GPS.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. Use of FD or AP required during simultaneous operations. Inop table does not apply to LPV. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4500; increase LNAV Cat E visibility to RVR 5500.

MALS

MISSED APPROACH: Climb to 1000 then climbing right turn to 3500 direct GARDS and hold.

D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC
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AUSTIN, TEXAS

AL-556 (FAA)

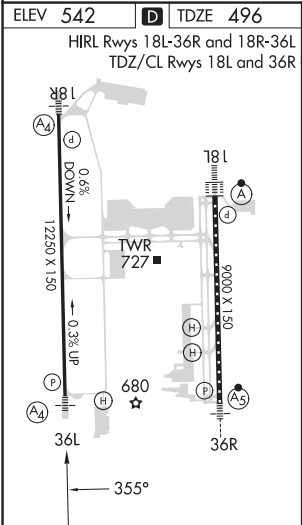
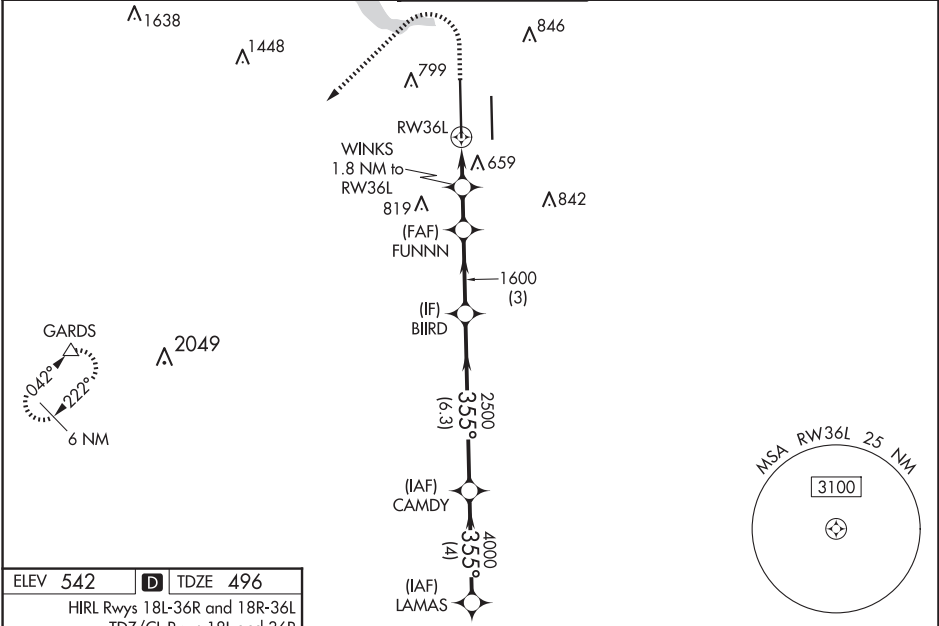
24249

WAAS CH 90229 W36A	APP CRS 355°	Rwy Idg 12250 TDZE 496 Apt Elev 542
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RNAV (GPS) Y RWY 36L

AUSTIN-BERGSTROM INTL (AUS)

RNP APCH+GPS.		MALSP		MISSED APPROACH: Climb to 1700 then climbing left turn to 3500 direct GARDS and hold.	
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. Inop table does not apply to LPV all Cats. For inop ALS, increase LNAV/VNAV Cat E visibility to 1½ SM, LNAV Cat E visibility to 1¼ SM.		ⓐ			
D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC



ELEV 542 D TDZE 496		HIRL Rwy 18L-36R and 18R-36L TDZ/CL Rwy 18L and 36R		1700 3500 GARDS VGSi and RNAV glidepath not coincident (VGSi Angle 3.00/TCH 60).		LAMAS	
1700 3500 GARDS		FUNNIN BIIRD CAMDY		5000		GP 3.00° TCH 54	
1.2 NM 0.6 1.5 NM 3 NM 6.3 NM 4 NM		WINKS 1.8 NM to RW36L 1600 1100 1600		355° 4000			
CATEGORY A B C D E		LPV DA 696/40 200 (200-¾)					
LNAV/VNAV DA 970/60 474 (500-1¼)							
LNAV MDA 920/40 424 (400-¾) 920/50 424 (400-1)							
CIRCLING 1040-1 498 (500-1) 1120-1 578 (600-1) 1200-1¾ 658 (700-1¾) 1200-2 658 (700-2) NA							

AUSTIN, TEXAS
Amdt 3B 05SEP24

30°12'N-97°40'W

AUSTIN-BERGSTROM INTL (AUS)

RNAV (GPS) Y RWY 36L


SC-3, 12 JUN 2025 to 07 AUG 2025

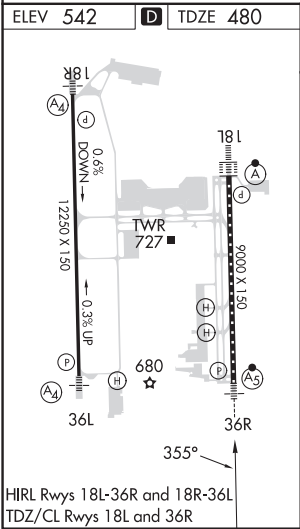
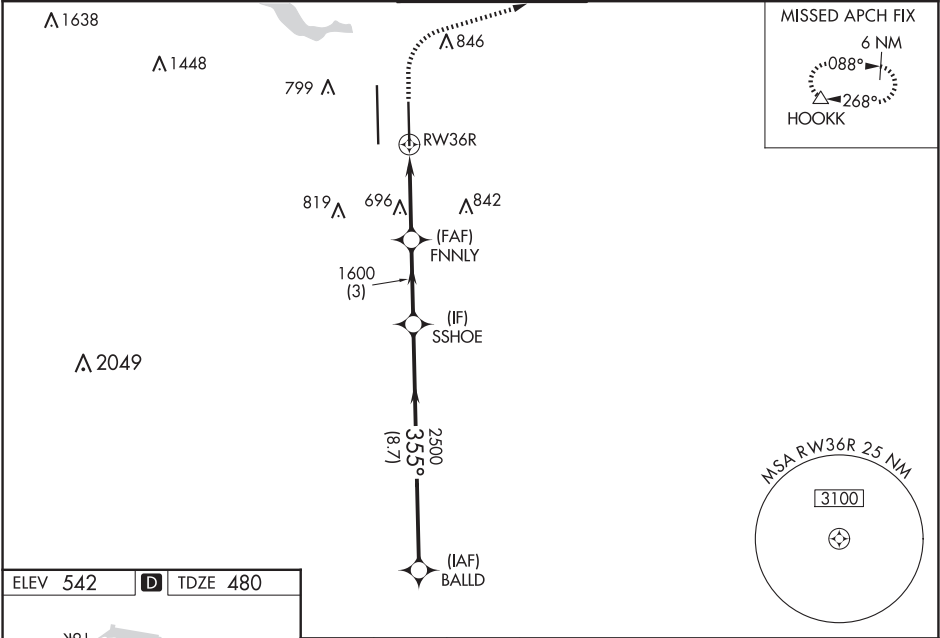
SC-3, 12 JUN 2025 to 07 AUG 2025




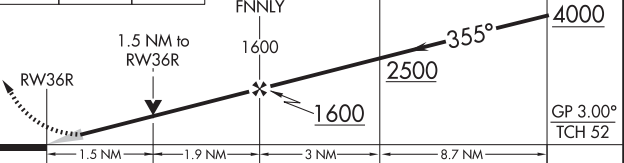
WAAS CH 99429 W36B	APP CRS 355°	Rwy Idg TDZE 480 Apt Elev 542
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RNAV (GPS) Y RWY 36R

AUSTIN-BERGSTROM INTL (AUS)

RNP APCH-GPS. ▼ Use of FD or AP required during simultaneous operations. Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. For inop ALS increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to 1 3⁄8 SM and LNAV Cat C/D/E visibility to 1 3⁄8 SM.			MALSRL 	MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct HOOKK and hold.	
D-ATIS 124.4	AUSTIN APP CON 127.225 317.65 (EAST) 120.875 270.25 (SOUTH) 119.0 370.85 (WEST)	AUSTIN TOWER 121.0 281.5	GND CON 121.9 348.6	CLNC DEL 125.5 263.0	CPDLC



1000		3000	HOOKK	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 59).	
					
CATEGORY	A	B	C	D	E
LPV DA	680/18 200 (200-1⁄2)				
LNAV/VNAV DA	970/50 490 (500-1)				
LNAV MDA	1000/24 520 (500-1⁄2)		1000/55 520 (500-1)		
CIRCLING	1040-1 498 (500-1)	1120-1 578 (600-1)	1200-1 3⁄4 658 (700-1 3⁄4)	1200-2 658 (700-2)	NA

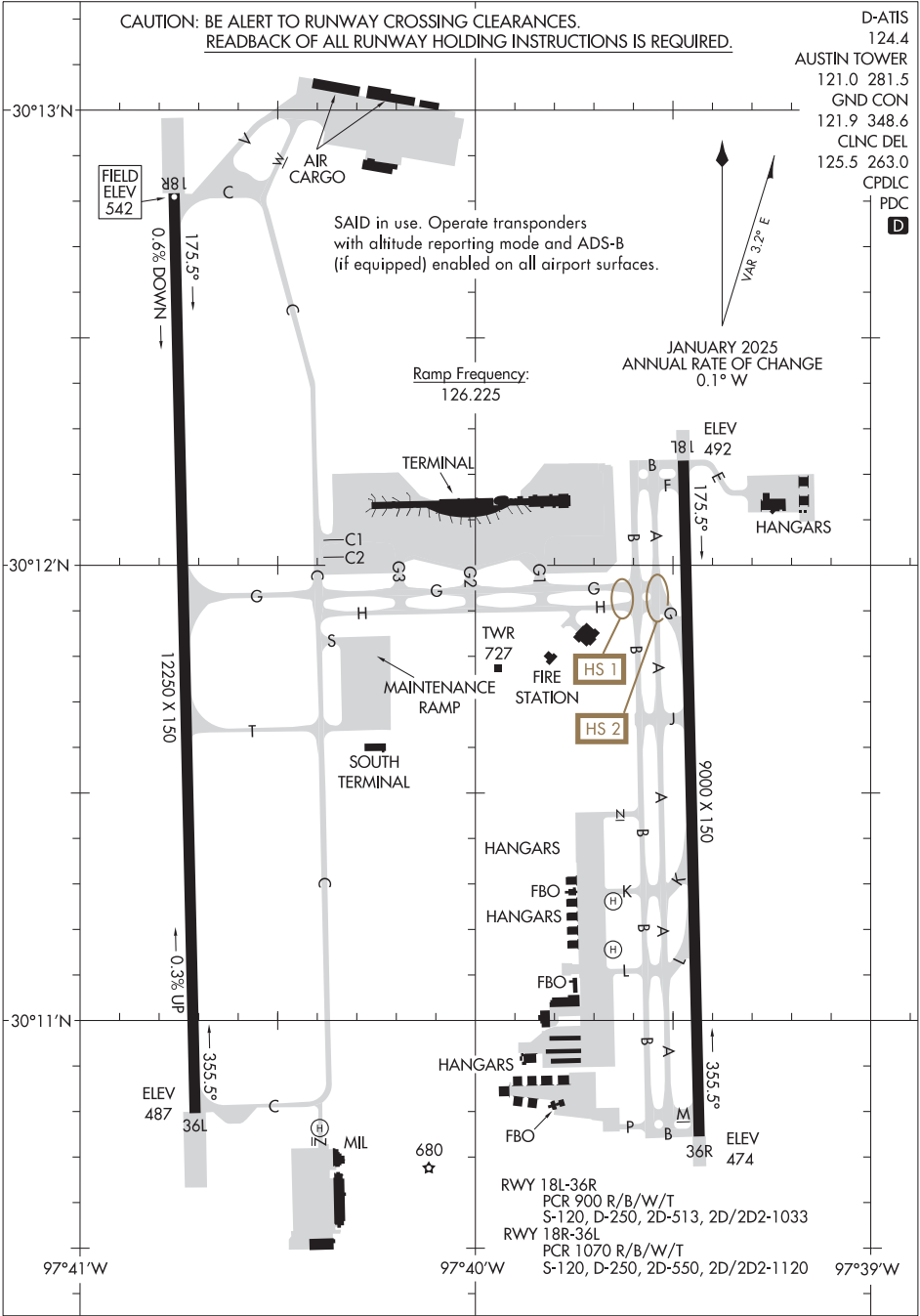
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

D-ATIS 124.4
AUSTIN TOWER 121.0 281.5
GND CON 121.9 348.6
CLNC DEL 125.5 263.0
CPDLC
PDC

SAID in use. Operate transponders with altitude reporting mode and ADS-B (if equipped) enabled on all airport surfaces.

Ramp Frequency: 126.225

JANUARY 2025
ANNUAL RATE OF CHANGE 0.1° W

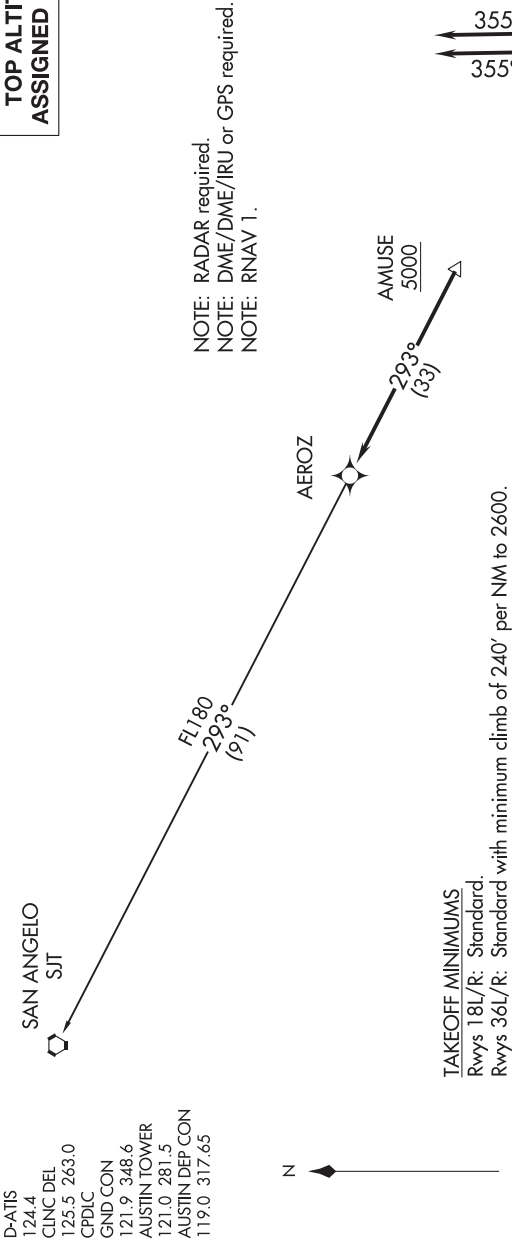


SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TOP ALTITUDE:
ASSIGNED BY ATC



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R: Climb on heading 175° or as assigned by ATC for vectors to cross AMUSE at or above 5000, thence....
TAKEOFF RUNWAYS 36L/R: Climb on heading 355° or as assigned by ATC for vectors to cross AMUSE at or above 5000, thence....
... on track 293° to AEROZ, then on SAN ANGELO TRANSITION. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

SAN ANGELO TRANSITION (AEROZ2.SJT)

SC-3, 12 JUN 2025 to 07 AUG 2025

(AUS7.CWK) 25163

AUSTIN SEVEN DEPARTURE

AL-556 (FAA)

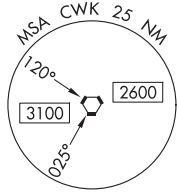
AUSTIN-BERGSTROM INTL (AUS)

AUSTIN, TEXAS

RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC

AUSTIN DEP CON
119.0 370.85
D-ATIS
124.4
CLNC DEL
125.5 263.0
CPDLC
GND CON
121.9 348.6
AUSTIN TOWER
121.0 281.5



GOOCH SPRINGS
112.5 AGJ
Chan 72

JUNCTION
116.0 JCT
Chan 107

STONEWALL
113.8 STV
Chan 85

CENTEX
112.8 CWK
Chan 75

SAN ANTONIO
116.8 SAT
Chan 115

TAKEOFF MINIMUMS

Rwys 18L/R: Standard.

Rwys 36L/R: Standard with minimum climb of 240' per NM to 2600.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

AUSTIN SEVEN DEPARTURE

(AUS7.CWK) 05SEP24

AUSTIN, TEXAS

AUSTIN-BERGSTROM INTL (AUS)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R, 36L/R: Climb on assigned heading for vectors, then on assigned transition. Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

GOOCH SPRINGS TRANSITION (AUS7.AGJ): From over CWK VORTAC on CWK R-321 and AGJ R-142 to AGJ VORTAC.

JUNCTION TRANSITION (AUS7.JCT): From over CWK VORTAC on CWK R-271 to AMUSE INT then on JCT R-088 to JCT VORTAC.

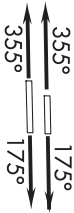
SAN ANTONIO TRANSITION (AUS7.SAT): From over CWK VORTAC on CWK R-222 and SAT R-040 to SAT VORTAC.

STONEWALL TRANSITION (AUS7.STV): From over CWK VORTAC on CWK R-271 to AMUSE INT then on STV R-047 to STV VORTAC.

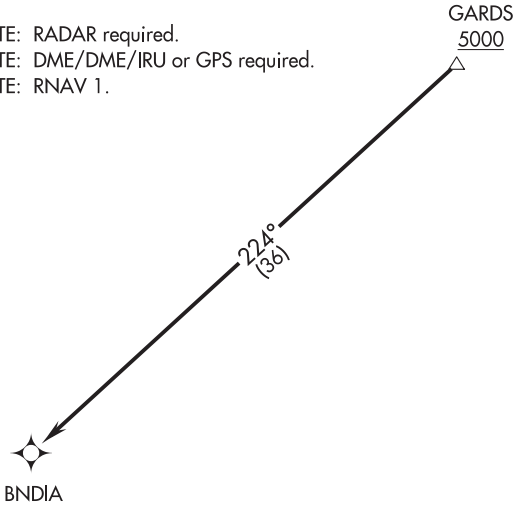
BNDIA THREE DEPARTURE (RNAV)

TOP ALTITUDE:
ASSIGNED BY ATC

D-ATIS
124.4
CLNC DEL
125.5 263.0
CPDLC
GND CON
121.9 348.6
AUSTIN TOWER
121.0 281.5
AUSTIN DEP CON
119.0 370.85



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.



TAKEOFF MINIMUMS:
Rwys 18L/R: Standard.
Rwys 36L/R: Standard with minimum climb of 240' per NM to 2600.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R: Climb on heading 175° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence
TAKEOFF RUNWAYS 36L/R: Climb on heading 355° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence
. . . . on track 224° to BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

CENTEX EIGHT DEPARTURE

AL-556 (FAA)

AUSTIN-BERGSTROM INTL (AUS)

AUSTIN, TEXAS


D-ATIS
124.4
CLNC DEL
125.5 263.0
CPDLC
GND CON
121.9 348.6
AUSTIN TOWER
121.0 281.5
DEP CON
127.225 317.65


RADAR required.
DME required for ILEXY Transition.
DME required for CLL Transition.

**TOP ALTITUDE:
ASSIGNED BY ATC**

WACO
115.3 ACT $\frac{115.3}{100} = 1.153$
Chan 100


CEDAR CREEK
114.8 CQY 
Chan 95

LEONA
110.8 LOA 
Chan 45

COLLEGE STATION
113.3 CLL 
Chan 80

GOOCH SPRINGS
112.5 AGJ 
Chan 72

CENTEX
112.8 CWK 
Chan 75

NAVASOTA
115.9 TNV 
Chan 106

TAKEOFF MINIMUMS

Rwys 18L/R: Standard.

Rwys 36L/R: Standard with minimum climb of 240'/NM to 2600.

NOTE: COLLEGE STATION Transition for aircraft requesting 9000 MSL to FL230.

NOTE: ILEXY Transition for turboprop and turbojet aircraft landing HOU; for turbojet aircraft landing EFD, GLS, or LXB; for all aircraft landing IAH.

NOTE: JAYJO Transition for piston aircraft landing HOU; for piston and turboprop aircraft landing EFD, GLS or LXB; for all aircraft landing other west/south Houston terminal area airports.

NOTE: NAVVYS Transition for aircraft destined to the Dallas/Fort Worth terminal area requesting FL230 and below. Do not file this transition if these conditions are not met.

NOTE: WACO Transition for aircraft requesting 12000' MSL and below.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

CENTEX EIGHT DEPARTURE

(CWK8.CWK) 20FEB25

AUSTIN, TEXAS

AUSTIN-BERGSTROM INTL (AUS)

CENTEX EIGHT DEPARTURE

AL-556 (FAA)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R, 36L/R: Climb on assigned heading for vectors, then on assigned transition. Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

COLLEGE STATION TRANSITION (CWK8.CLL): From over CWK VORTAC on CWK R-088 to ILEXY, then on CLL R-238 to CLL VORTAC.

ILEXY TRANSITION (CWK8.ILEXY): From over CWK VORTAC on CWK R-088 to ILEXY.

JAYJO TRANSITION (CWK8.JAYJO): From over CWK VORTAC on CWK R-088 to JAYJO INT.

NAVASOTA TRANSITION (CWK8.TNV): From over CWK VORTAC on CWK R-088 and TNV R-266 to TNV VOR/DME.

NAVYS TRANSITION (CWK8.NAVYS): From over CWK VORTAC on CWK R-040 to NAVYS INT.

WACO TRANSITION (CWK8.ACT): From over CWK VORTAC on CWK R-004 and ACT R-181 to ACT VORTAC.

SC-3, 12 JUN 2025 to 07 AUG 2025

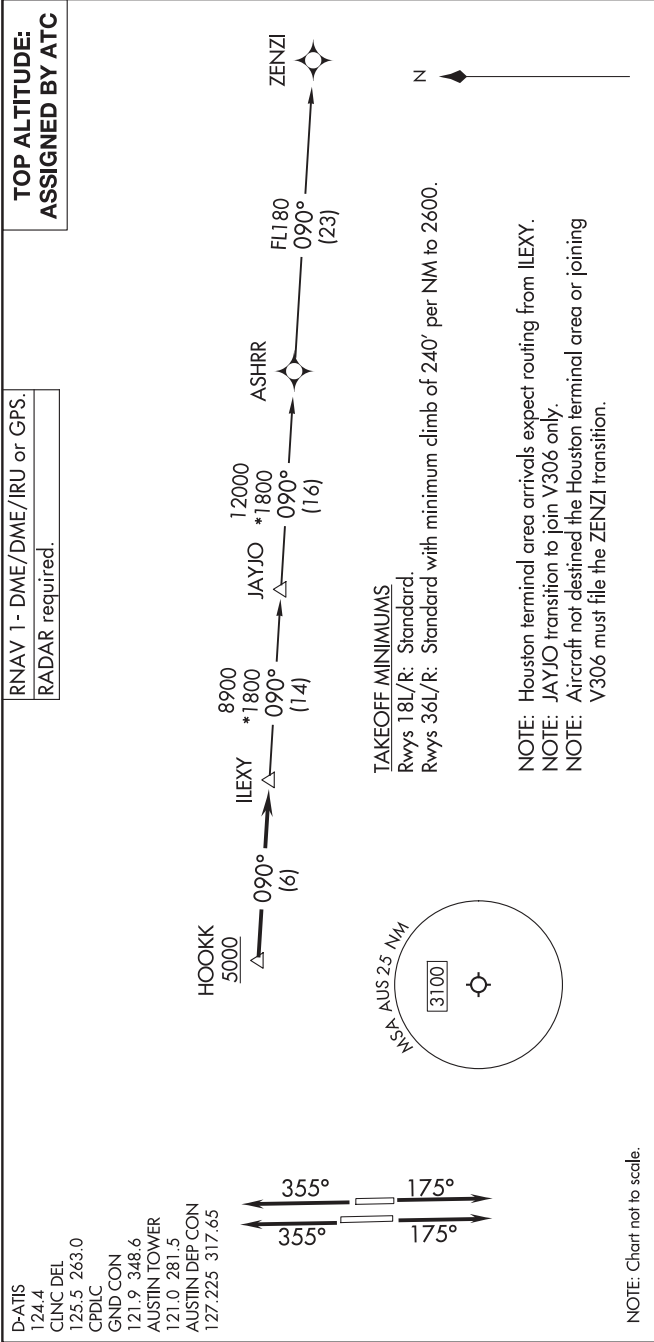
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

(ILEXY4.ILEXY) 23166

ILEXY FOUR DEPARTURE (RNAV) AL-556 (FAA)

AUSTIN-BERGSTROM INTL (AUS)
AUSTIN, TEXAS



DEPARTURE ROUTE DESCRIPTION

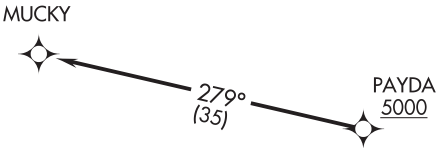
TAKEOFF RUNWAYS 18L/R: Climb on heading 175° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence, . . .
TAKEOFF RUNWAYS 36L/R: Climb on heading 355° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence, . . .
. . . on track 090° then on transition. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

JAYJO TRANSITION (ILEXY4.JAYJO)
ZENZI TRANSITION (ILEXY4.ZENZI)

D-ATIS
124.4
CLNC DEL
125.5 263.0
CPDLC
GND CON
121.9 348.6
AUSTIN TOWER
121.0 281.5
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.



TAKEOFF MINIMUMS
Rwys 18L/R: Standard.
Rwys 36L/R: Standard with minimum climb
of 240' per NM to 2600.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R: Climb on heading 175° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .

TAKEOFF RUNWAYS 36L/R: Climb on heading 355° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .

. . . on track 279° to MUCKY. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

(PALMS3.CRP) 24137

AUSTIN-BERGSTROM INTL (AUS)
AUSTIN, TEXAS

PALMS THREE DEPARTURE

AL-556 (FAA)

D-ATIS
124.4
CLNC DEL
125.5 263.0
CPDLC
GND CON
121.9 348.6
AUSTIN TOWER
121.0 281.5
AUSTIN DEP CON
127.225 317.65

CENTEX
112.8 CWK
Chan 75

TOP ALTITUDE:
ASSIGNED BY ATC

STINSON
108.4 SSF

R-084

PALMS
5000

172°
(78)

R-352

CORPUS CHRISTI
115.5 CRP
Chan 102

NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwys 18L/R: Standard.
Rwys 36L/R: Standard with minimum climb of 240' per NM to 2600.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R, 36L/R: Climb on assigned heading for vectors to CWK VORTAC, then on CWK R-169 to cross PALMS INT at or above 5000, then on CRP R-352 to CRP VORTAC. Maintain altitude assigned by ATC, expect filed altitude 10 minutes after departure.

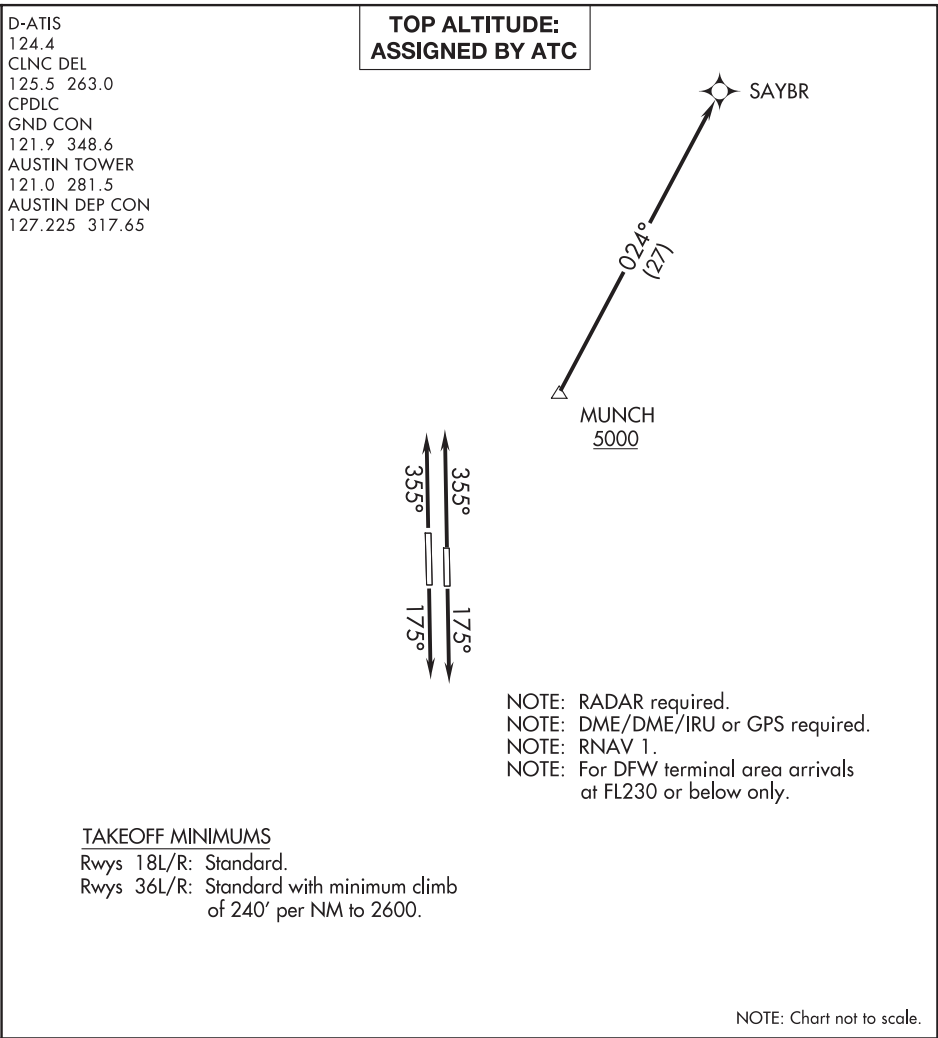
PALMS THREE DEPARTURE

(PALMS3.CRP) 22APR21

AUSTIN, TEXAS
AUSTIN-BERGSTROM INTL (AUS)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 18L/R: Climb on heading 175° or as assigned by ATC for
vectors to cross MUNCH at or above 5000, thence

TAKEOFF RUNWAYS 36L/R: Climb on heading 355° or as assigned by ATC for
vectors to cross MUNCH at or above 5000, thence

. . . .on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

AUSTIN, TEXAS

AL-502 (FAA)

25051

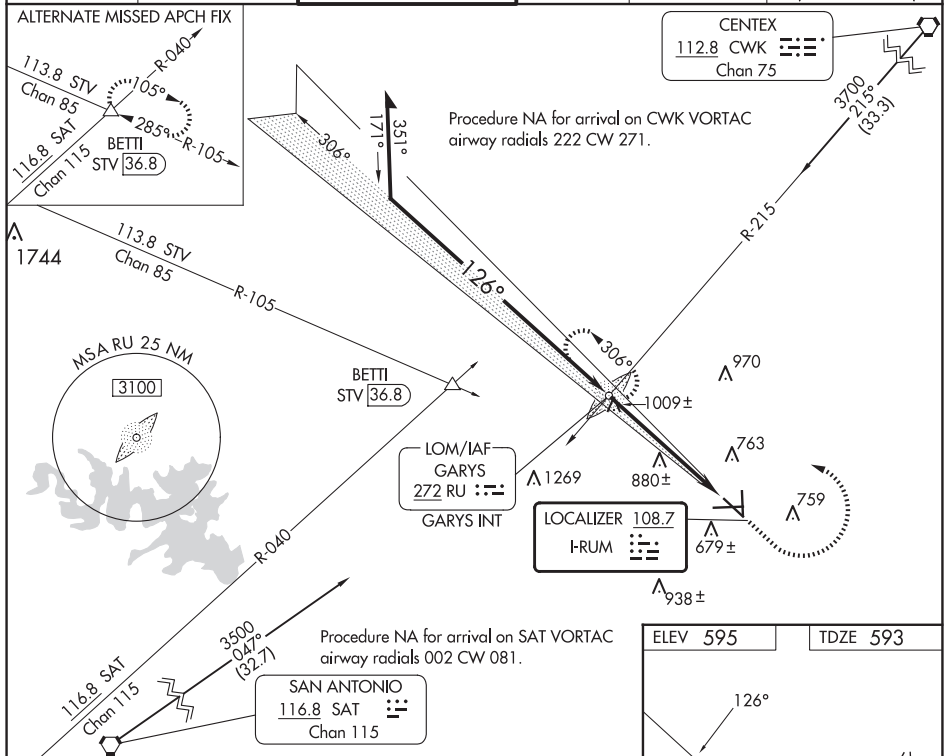
LOC I-RUM 108.7	APP CRS 126°	Rwy Idg TDZE Apt Elev 5601 593 595
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ILS or LOC RWY 13

SAN MARCOS RGNL (HYI)

ADF required.	MALS 	MISSED APPROACH: Climb to 2000 then climbing left turn to 3200 direct GARYS LOM/INT and hold.
Circling NA for Cat E southwest of Rwy 13-31. Inop table does not apply to S-ILS 13 all Cats. For inop ALS, increase S-LOC 13 Cat C/D/E visibility to 1 1/8 SM.		

ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER ★ 126.825 (CTAF)	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)
------------------------	---------------------------------------	---	---------------------------	----------------------------	--



Remain within 15 NM

RU LOM GARYS INT

2441

3200

30°

126°

2700

GS 3.00° TCH 57

5.5 NM

CATEGORY	A	B	C	D	E
S-ILS-13	793- ³ / ₄ 200 (200- ³ / ₄)				
S-LOC-13	1260- ³ / ₄ 667 (700- ³ / ₄)		1260-1 ³ / ₄ 667 (700-1 ³ / ₄)		
CIRCLING	1260-1 665 (700-1)		1260-1 ⁷ / ₈ 665 (700-1 ⁷ / ₈)	1320-2 ¹ / ₄ 725 (800-2 ¹ / ₄)	1340-2 ³ / ₄ 745 (800-2 ³ / ₄)

5601 X 100

6330 X 100

0.4% UP

TWR

5214 X 100

92

35

5

MIRL Rwy 8-26, 13-31, and 17-35						
FAF to MAP 5.5 NM						
Knots	60	90	120	150	180	
Min:Sec	5:30	3:40	2:45	2:12	1:50	

AUSTIN, TEXAS

Amdt 6D 12AUG21

29°54'N-97°52'W

SAN MARCOS RGNL (HYI)

ILS or LOC RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 72932 W08A	APP CRS 081°	Rwy Idg TDZE 589 Apt Elev 595
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RNAV (GPS) RWY 8
SAN MARCOS RGNL (HYI)

RNP APCH.

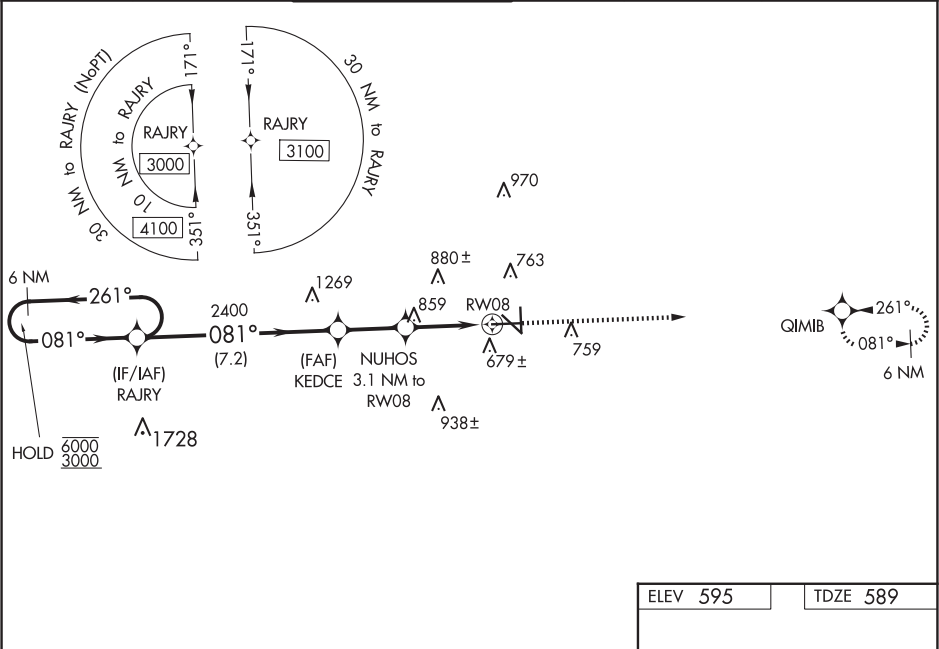
▼

⚠

Circling NA for Cat E SW of Rwy 13-31. Rwy 8 helicopter visibility reduction below 3/4 SM NA. Baro-VNAV NA when using New Braunfels altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. VDP NA with New Braunfels altimeter setting. When local altimeter setting not received, use New Braunfels altimeter setting and increase LPV DA to 882, LNAV/VNAV DA to 953 and increase all MDA 60 feet; increase LNAV Cat C/D/E and Circling Cat C/D visibility 1/4 SM.

MISSED APPROACH:
Climb to 3000 direct QIMB and hold.

ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER★ 126.825 (CTAF) 0	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)
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6 NM Holding Pattern

RAJRY

KEDCE

NUHOS 3.1 NM to RW08

*1.5 NM to RW08

RW08

3000

QIMB

*LNAV only.

GP 3.00° TCH 55

2400

*1620

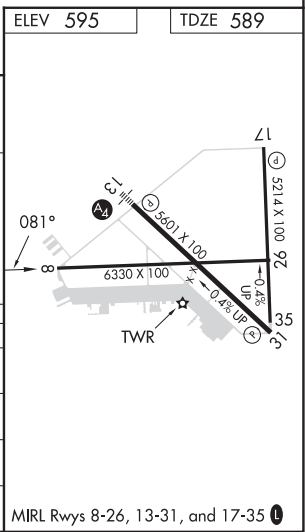
7.2 NM

2.4 NM

1.6 NM

1.5 NM

CATEGORY	A	B	C	D	E
LPV DA	839-1 250 (300-1)				
LNAV/VNAV DA	910-1 321 (400-1)				
LNAV MDA	1120-1 531 (600-1)	1120-1½ 531 (600-1½)			
CIRCLING	1120-1 525 (600-1)	1240-1¾ 645 (700-1¾)	1320-2¼ 725 (800-2¼)	1340-2¾ 745 (800-2¾)	



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

AUSTIN, TEXAS

AL-502 (FAA)

25051

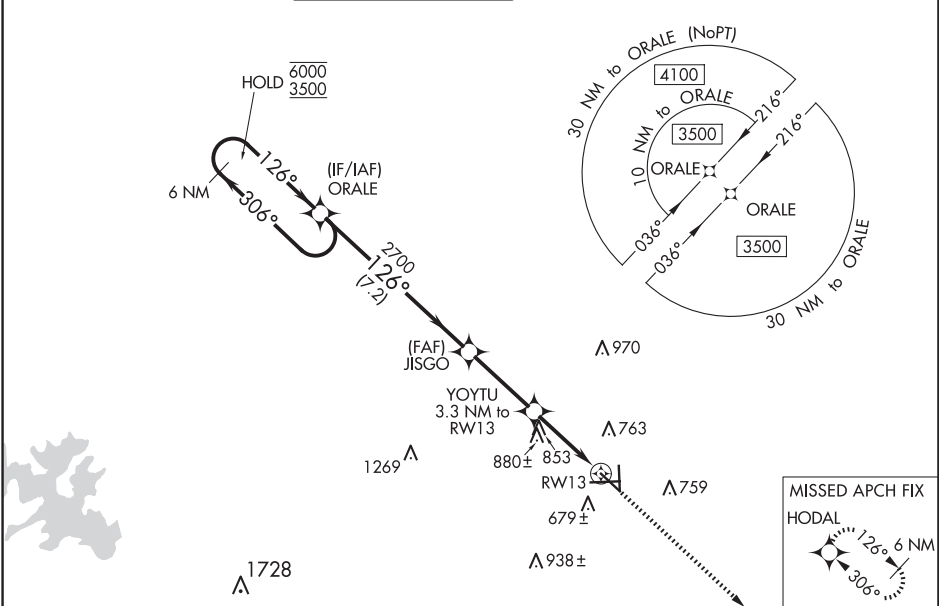
WAAS CH 86232 W13A	APP CRS 126°	Rwy Idg TDZE 593 Apt Elev 595
--	------------------------	---

RNAV (GPS) RWY 13

SAN MARCOS RGNL (HYI)

RNP APCH-GPS. ⚠ Circling NA for Cat E southwest of Rwy 13-31. Inop table does not apply to LPV all Cats. ⚠ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. For inop ALS, increase LNAV/VNAV Cat E visibility to 1 SM and LNAV Cat E visibility to 1½ SM.	MALS ⚠	MISSED APPROACH: Climb to 3000 direct HODAL and hold.
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ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER★ 126.825 (CTAF) 0	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)
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<div>6 NM Holding Pattern</div> <div>ORALE</div> <div>JISGO</div> <div>YOYTU 3.3 NM to RW13</div> <div>1.5 NM to RW13</div> <div>RW13</div> <div>3000</div> <div>HODAL</div> <div>GP 3.00° TCH 57</div> <div>6000 ← 306°</div> <div>3500 → 126°</div> <div>2700</div> <div>1700</div> <div>7.2 NM</div> <div>3.1 NM</div> <div>1.8 NM</div> <div>1.5 NM</div>						<div>ELEV 595</div> <div>TDZE 593</div> <div>126°</div> <div>521.4 X 100</div> <div>26</div> <div>35</div> <div>6330 X 100</div> <div>0.4% UP</div> <div>TWR</div> <div>MIRL Rwy 8-26, 13-31, and 17-35</div>	
CATEGORY	A	B	C	D	E		
LPV DA	793-3/4 200 (200-3/4)						
LNAV/VNAV DA	946-3/4 353 (400-3/4)						
LNAV MDA	1120-3/4	527 (600-3/4)	1120-1 1/4 527 (600-1 1/4)				
CIRCLING	1120-1	525 (600-1)	1240-1 3/4 645 (700-1 3/4)	1320-2 1/4 725 (800-2 1/4)	1340-2 3/4 745 (800-2 3/4)		

AUSTIN, TEXAS

Amdt 2C 12AUG21

29°54'N-97°52'W

SAN MARCOS RGNL (HYI)

RNAV (GPS) RWY 13

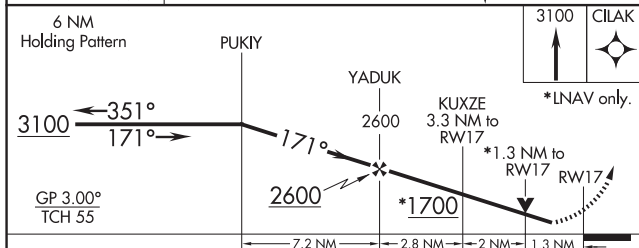
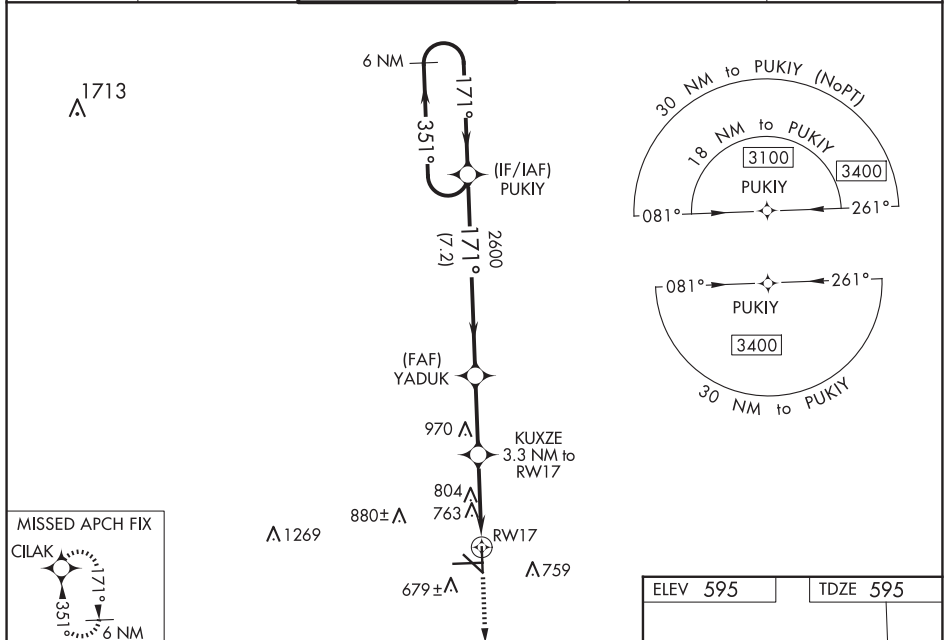
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

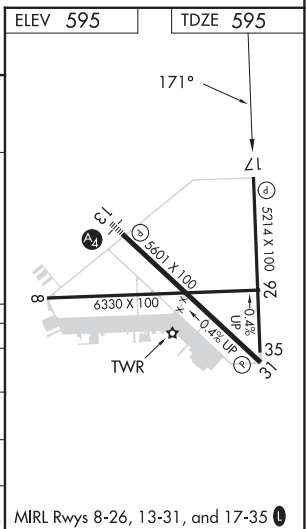
RNAV (GPS) RWY 17
SAN MARCOS RGNL (HYI)

MISSED APPROACH.
Climb to 3100 direct
CILAK and hold.

ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER★ 126.825 (CTAF) U	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)
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CATEGORY	A	B	C	D	E
LPV DA	960-1 $\frac{1}{8}$ 365 (400-1 $\frac{1}{8}$)				
RNAV/ VNAV DA	1052-1 $\frac{1}{2}$ 457 (500-1 $\frac{1}{2}$)				
RNAV MDA	1060-1 465 (500-1)	1060-1 $\frac{3}{8}$ 465 (500-1 $\frac{3}{8}$)			
C CIRCLING	1080-1 485 (500-1)	1120-1 525 (600-1)	1240-1 $\frac{3}{4}$ 645 (700-1 $\frac{3}{4}$)	1320-2 $\frac{1}{4}$ 725 (800-2 $\frac{1}{4}$)	1340-2 $\frac{3}{4}$ 745 (800-2 $\frac{3}{4}$)



SC-3, 12 JUN 2025 to 07 AUG 2025

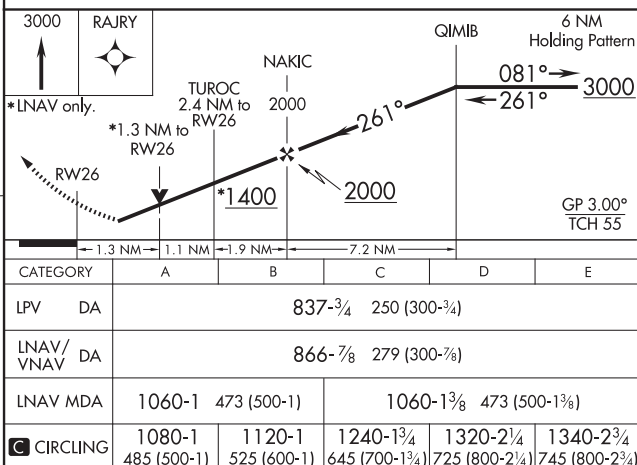
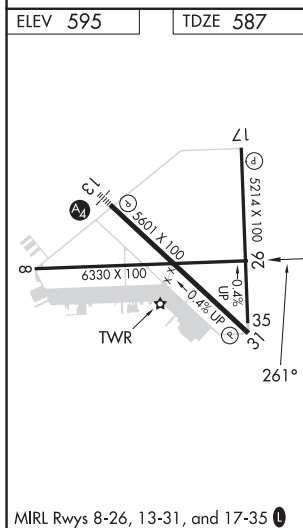
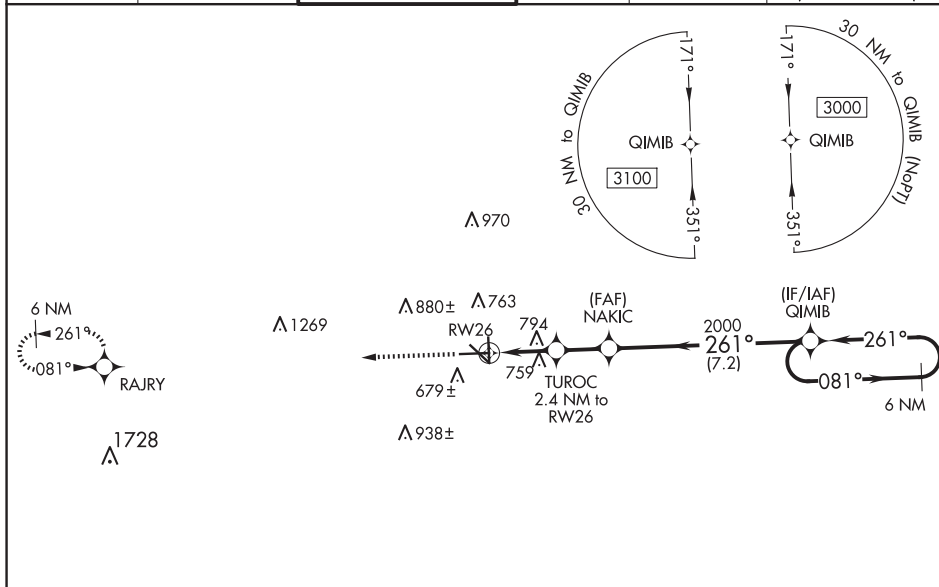
WAAS CH 78332 W26A	APP CRS 261°	Rwy Idg 6330 TDZE 587 Apt Elev 595
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RNAV (GPS) RWY 26
SAN MARCOS RGNL (HYI)

T Baro-VNAV NA when using New Braunfels altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (130°F). When local altimeter setting not received, use New Braunfels altimeter setting and increase all DA 43 feet and all MDA 60 feet; increase LPV and LNAV/VNAV all Cats, and LNAV Cat C/D/E visibility $\frac{1}{8}$ mile and Circling Cat C/D visibility $\frac{1}{4}$ mile. Circling NA for Cat E SW of Rwy 13-31. DME/DME RNP-0.3 NA. VDP NA with New Braunfels altimeter setting. Helicopter visibility reduction below $\frac{3}{4}$ SM NA.

MISSED APPROACH:
Climb to 3000 direct
RAJRY and hold.

ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER★ 126.825 (CTAF) 0	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)
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AUSTIN, TEXAS
Orig-B 23JUN16

29°54'N-97°52'W

SAN MARCOS RGNL (HYI)
RNAV (GPS) RWY 26

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 90432 W31A	APP CRS 306°	Rwy Idg TDZE Apt Elev 5601 583 595
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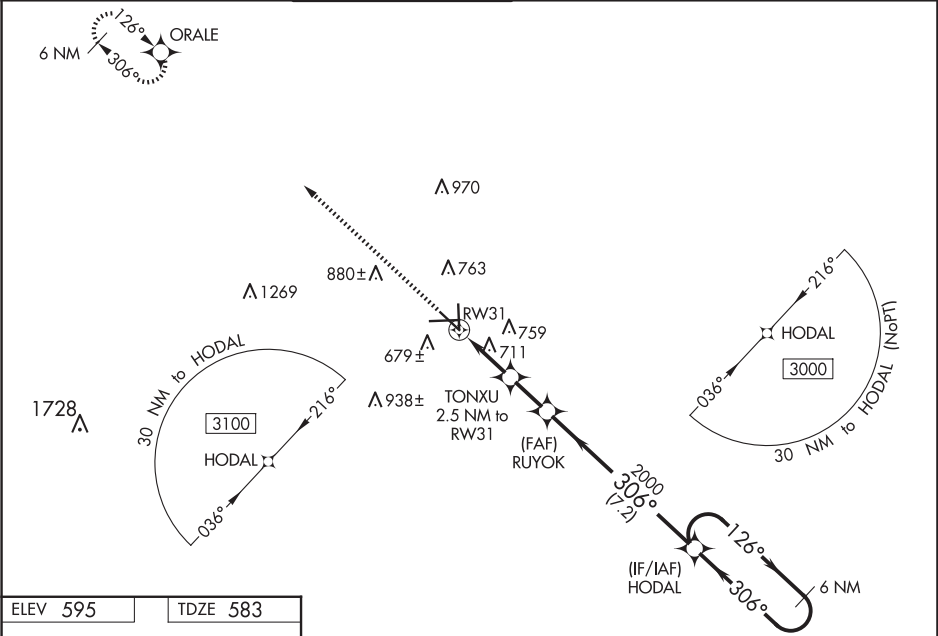
RNAV (GPS) RWY 31

SAN MARCOS RGNL (HYI)

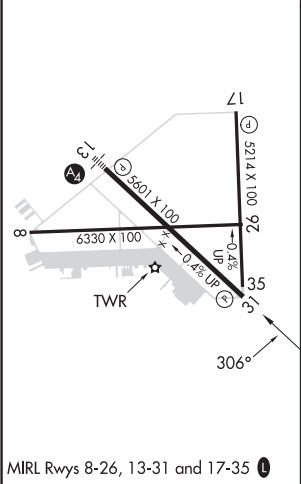
Baro-VNAV NA when using New Braunfels altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (130°F). When local altimeter setting not received, use New Braunfels altimeter setting and increase all DA 43 feet and all MDA 60 feet; increase LPV all Cats and LNAV/VNAV all Cats visibility 1/8 mile and LNAV Cat C/D/E and Circling Cat C/D visibility 1/4. Circling NA for Cat E SW of Rwy 13-31. DME/DME RNP-0.3 NA. VDP NA with New Braunfels altimeter setting. Helicopter visibility reduction below 3/4 SM NA.



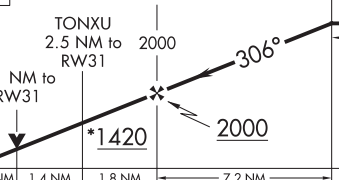

MISSED APPROACH:
Climb to 3500 direct
ORALE and hold.

ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER★ 126.825 (CTAF)	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)
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ELEV 595	TDZE 583
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3500	ORALE	HODAL				6 NM Holding Pattern		
						126°→	←306°	3000
*LNAV only.								
TONXU 2.5 NM to RW31		RUYOK 2000						
*1.1 NM to RW31		*1420		2000		GP 3.00° TCH 60		
1.1 NM		1.4 NM		1.8 NM		7.2 NM		
CATEGORY	A	B	C	D	E			
LPV DA	860-7⁄8 277 (300-7⁄8)							
LNAV/ VNAV DA	906-1 323 (400-1)							
LNAV MDA	980-1 397 (400-1)		980-1½ 397 (400-1½)					
 CIRCLING	1080-1 485 (500-1)	1120-1 525 (600-1)	1240-1¾ 645 (700-1¾)	1320-2¼ 725 (800-2¼)	1340-2¾ 745 (800-2¾)			

AUSTIN, TEXAS

AL-502 (FAA)

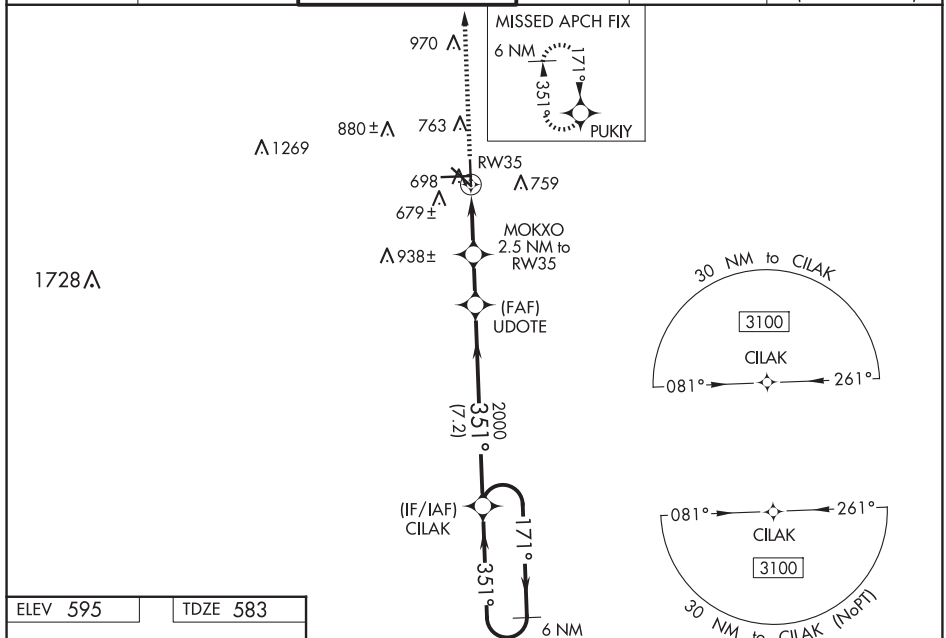
25051

WAAS CH 70632 W35A	APP CRS 351°	Rwy ldg TDZE 583 Apt Elev 595
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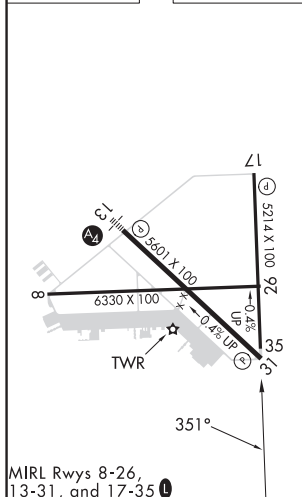
RNAV (GPS) RWY 35

SAN MARCOS RGNL (HYI)

<p>Baro-VNAV NA when using New Braunfels altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (130°F). When local altimeter setting not received, use New Braunfels altimeter setting and increase all DA 43 feet and all MDA 60 feet; increase LPV all Cats and LNAV/VNAV all Cats visibility ½ mile; and increase LNAV Cat C/D/E visibility and Circling Cat C/D visibility ¼. Circling NA for Cat E SW of Rwy 13-31. DME/DME RNP-0.3 NA. VDP NA with New Braunfels altimeter setting.</p>					<p>MISSED APPROACH: Climb to 3100 direct PUKIY and hold.</p>
ATIS 120.825	AUSTIN APP CON 119.0 370.85	SAN MARCOS TOWER ★ 126.825 (CTAF) 1	GND CON 120.125	CLNC DEL 120.125	CLNC DEL 121.35 (when twr closed)



ELEV 595	TDZE 583
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MIRL Rwy 8-26,
13-31, and 17-35

AUSTIN, TEXAS

Orig-B 23JUN16

29°54'N-97°52'W

RNAV (GPS) RWY 35

3100 PUKIY		CILAK		6 NM Holding Pattern	
*LNAV only.		UDOTE		CILAK	
*1 NM to RW35		MOKXO 2.5 NM to RW35		2000	
1 NM		1.5 NM		1.8 NM	
1420		2000		3100	
GP 3.00°		TCH 55			
CATEGORY	A	B	C	D	E
LPV DA	833-¾		250 (300-¾)		
LNAV/VNAV DA	884-1		301 (300-1)		
LNAV MDA	960-1		377 (400-1)		960-1½ 377 (400-1½)
CIRCLING	1080-1 485 (500-1)	1120-1 525 (600-1)	1240-1¾ 645 (700-1¾)	1320-2¼ 725 (800-2¼)	1340-2¾ 745 (800-2¾)

SAN MARCOS RGNL (HYI)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

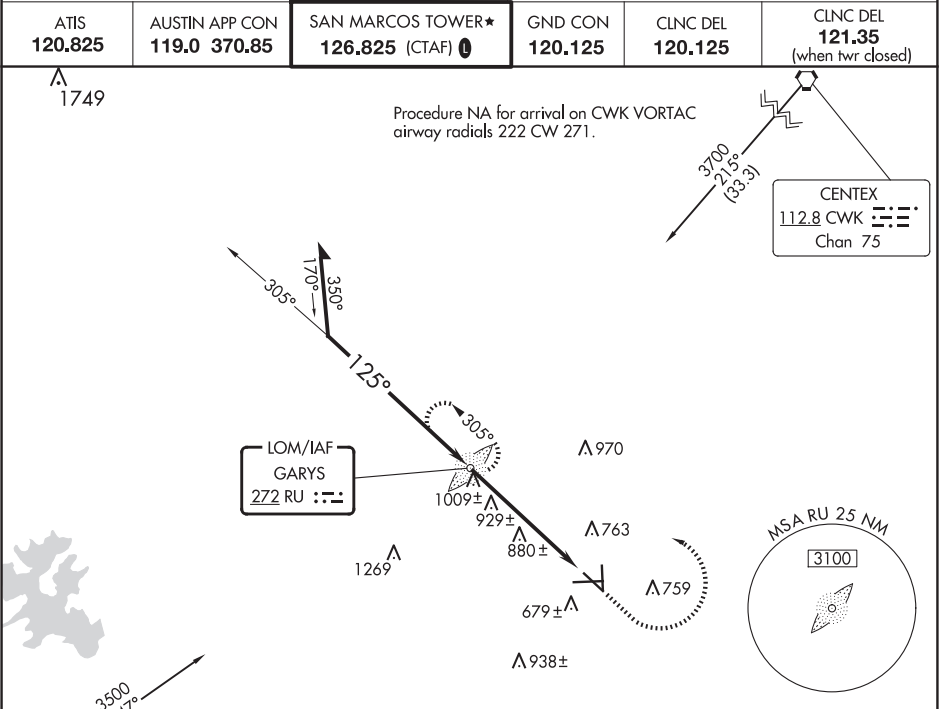
LOM RU	APP CRS	Rwy Idg	5601
272	125°	TDZE	593
		Apt Elev	595

NDB RWY 13
SAN MARCOS RGNL (HYI)

MALS

MISSED APPROACH: Climb to 2000 then climbing left turn to 3200 direct GARYS LOM and hold.

ATIS	AUSTIN APP CON	SAN MARCOS TOWER★	GND CON	CLNC DEL	CLNC DEL
120.825	119.0 370.85	126.825 (CTAF)	120.125	120.125	121.35 (when twr closed)



ELEV 595

TDZE 593

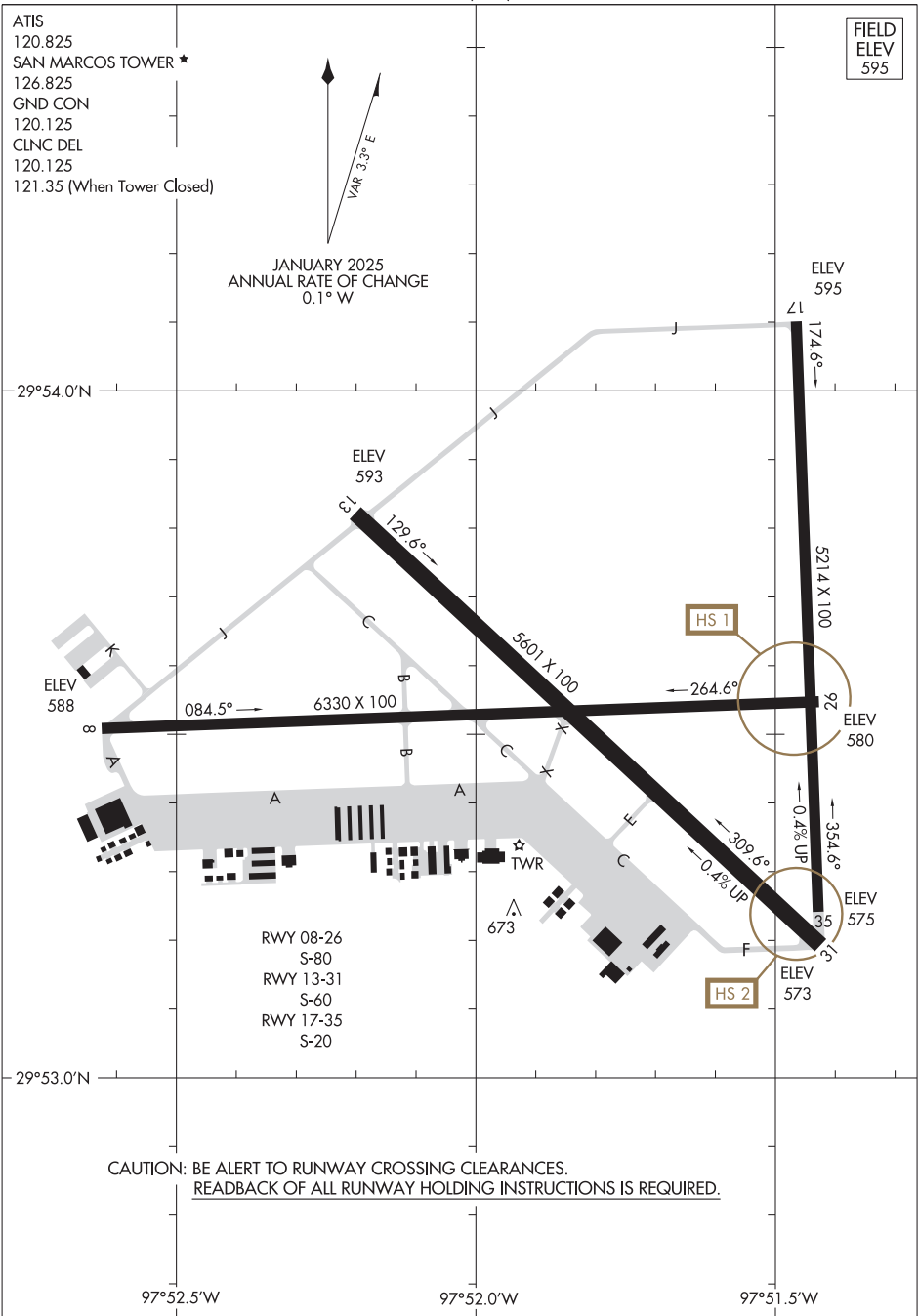
Remain within 10 NM	VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 57).	2000	3200	RU
3200	305°	2700	125°	3.49° TCH 55
5.5 NM				

CATEGORY	A	B	C	D
S-13	1240-3/4 647 (700-3/4)	1240-15/8 647 (700-1%)		
CIRCLING	1240-1 645 (700-1)	1240-17/8 645 (700-1%)	1320-2 725 (800-2 1/4)	

MIRS Rwy 8-26, 13-31, and 17-35

FAF to MAP 5.5 NM

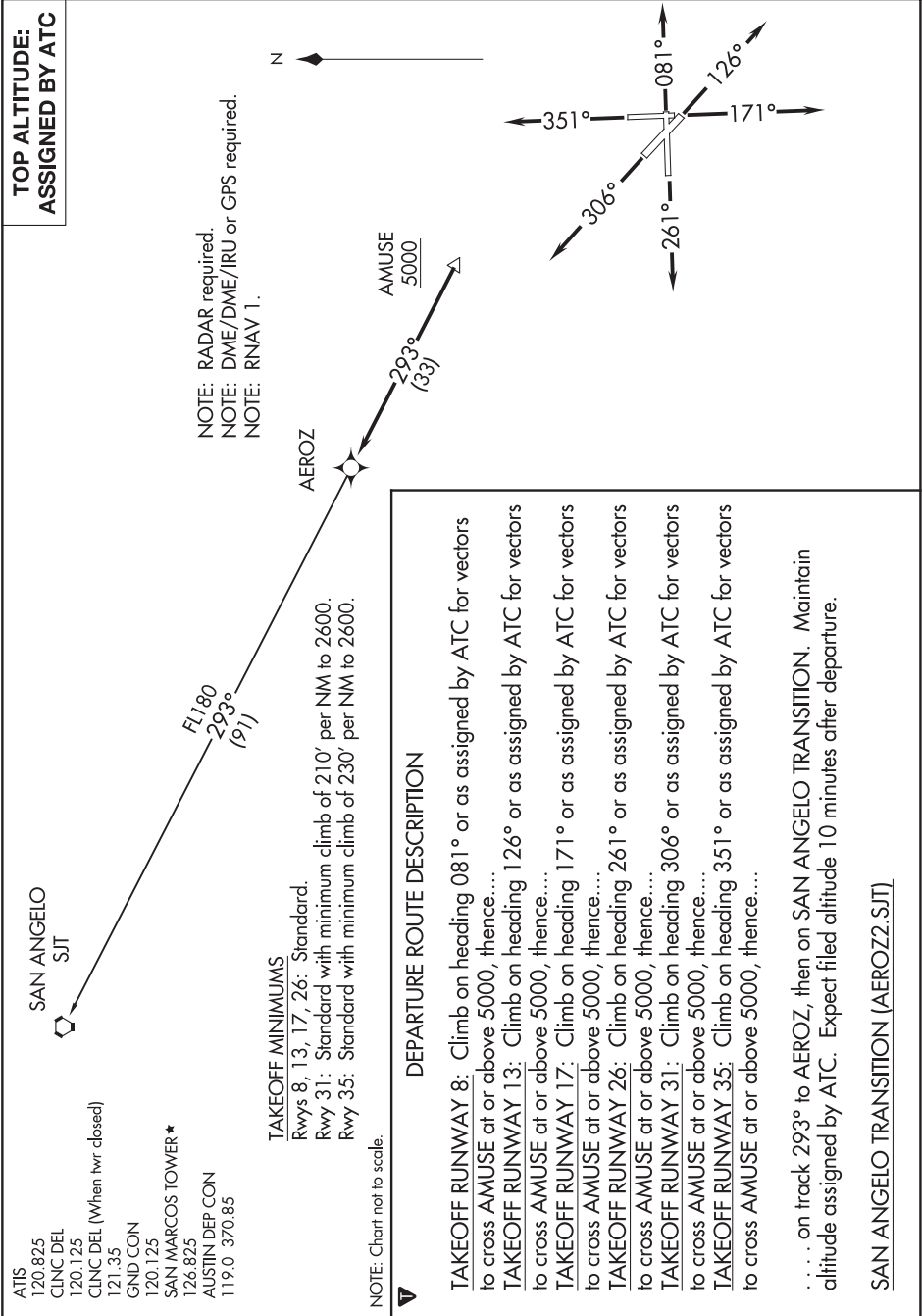
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

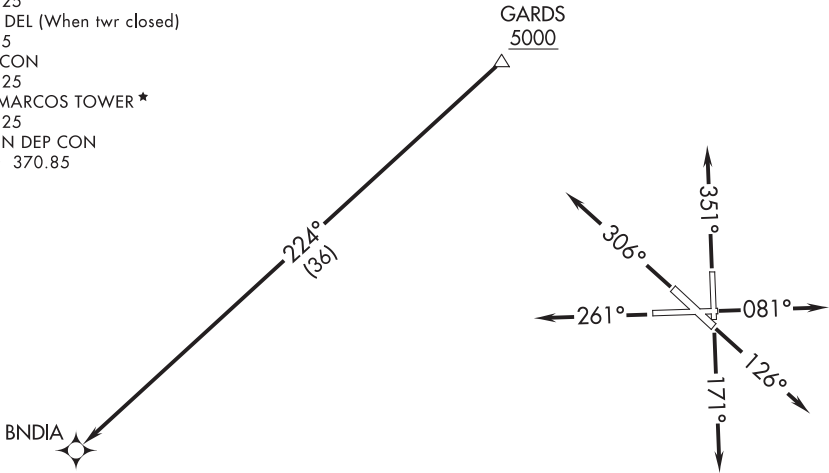
SC-3, 12 JUN 2025 to 07 AUG 2025



BNDIA THREE DEPARTURE (RNAV)

ATIS
120.825
CLNC DEL
120.125
CLNC DEL (When twr closed)
121.35
GND CON
120.125
SAN MARCOS TOWER ★
126.825
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.

TAKEOFF MINIMUMS:

Rwys 8, 13, 17, 26: Standard.
Rwy 31: Standard with minimum climb of 210' per NM to 2600.
Rwy 35: Standard with minimum climb of 230' per NM to 2600.

NOTE: Chart not to scale.



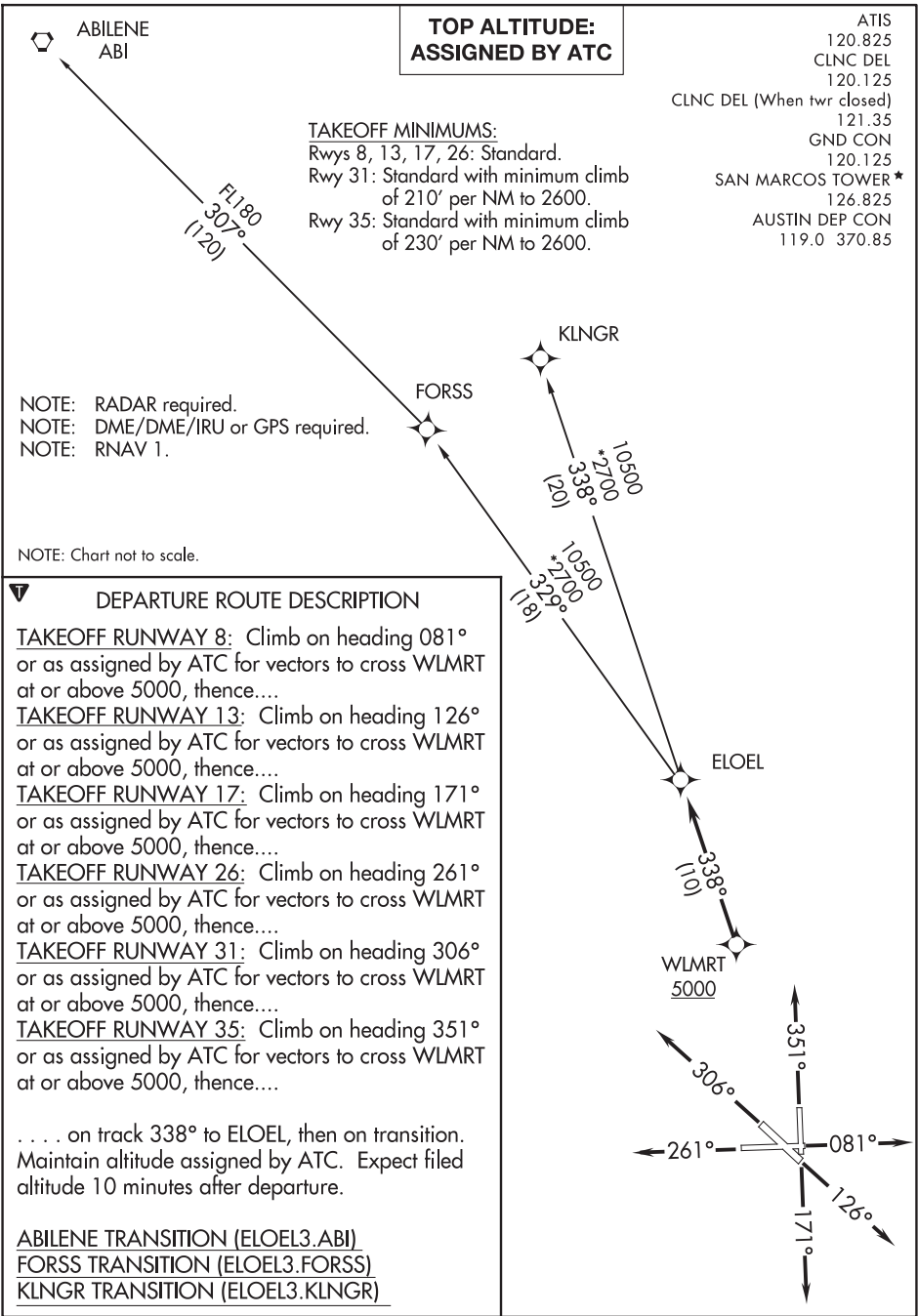
DEPARTURE ROUTE DESCRIPTION

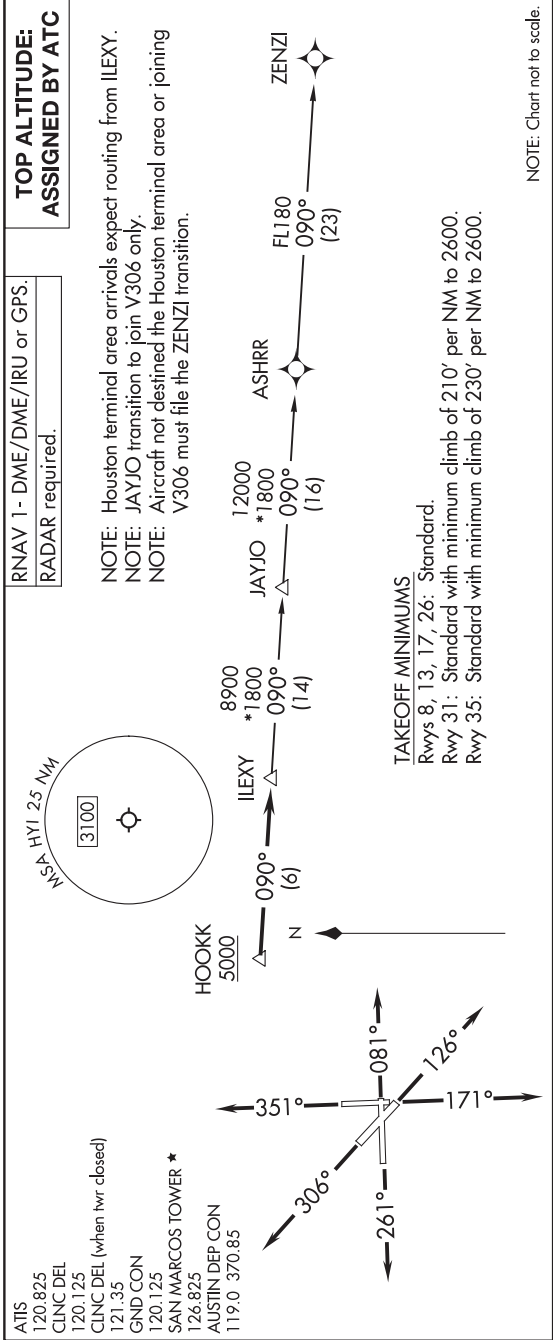
TAKEOFF RUNWAY 8: Climb on heading 081° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 17: Climb on heading 171° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 26: Climb on heading 261° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 35: Climb on heading 351° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....

....on track 224° to BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

BNDIA THREE DEPARTURE (RNAV)

(BNDIA3.BNDIA) 22APR21

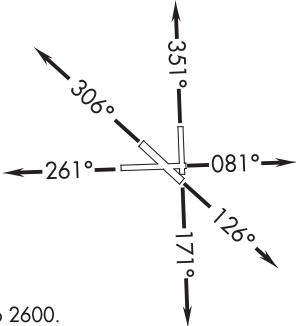
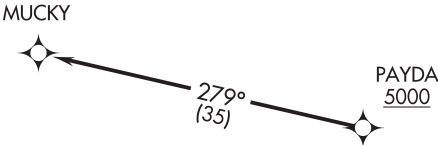




ATIS
120.825
CLNC DEL
120.125
CLNC DEL (when twr closed)
121.35
GND CON
120.125
SAN MARCOS TOWER ★
126.825
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.



TAKEOFF MINIMUMS:
Rwys 8, 13, 17, 26: Standard.
Rwy 31: Standard with minimum climb of 210' per NM to 2600.
Rwy 35: Standard with minimum climb of 230' per NM to 2600.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

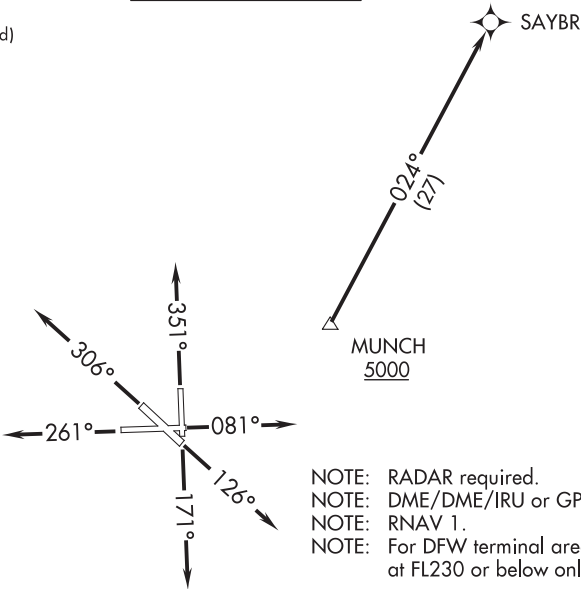
TAKEOFF RUNWAY 8: Climb on heading 081° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....
TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....
TAKEOFF RUNWAY 17: Climb on heading 171° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....
TAKEOFF RUNWAY 26: Climb on heading 261° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....
TAKEOFF RUNWAY 35: Climb on heading 351° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....

...on track 279° to MUCKY. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

SAYBR THREE DEPARTURE (RNAV)

ATIS
120.825
CLNC DEL
120.125
CLNC DEL (When twr closed)
121.35
GND CON
120.125
SAN MARCOS TOWER ★
126.825
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: For DFW terminal area arrivals
at FL230 or below only.

TAKEOFF MINIMUMS

Rwys 8, 13, 17, 26: Standard.
Rwy 31: Standard with minimum climb of 210' per NM to 2600.
Rwy 35: Standard with minimum climb of 230' per NM to 2600.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 081° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence....
TAKEOFF RUNWAY 13: Climb on heading 126° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence....
TAKEOFF RUNWAY 17: Climb on heading 171° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence....
TAKEOFF RUNWAY 26: Climb on heading 261° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence....
TAKEOFF RUNWAY 31: Climb on heading 306° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence....
TAKEOFF RUNWAY 35: Climb on heading 351° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence....

... on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

BALLINGER, TEXAS

AL-6881 (FAA)

24361

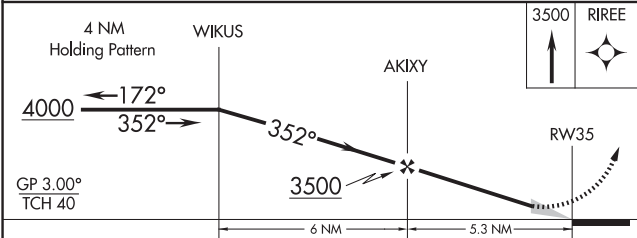
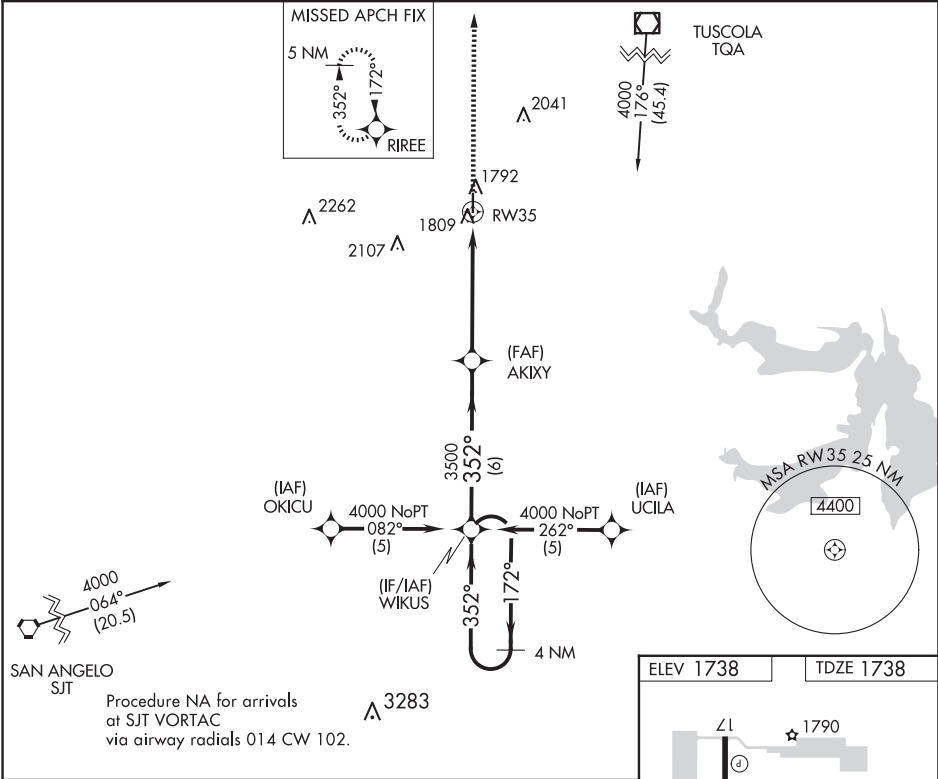
WAAS CH 86228 W35A	APP CRS 352°	Rwy Idg 3909 TDZE 1738 Apt Elev 1738
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RNAV (GPS) RWY 35

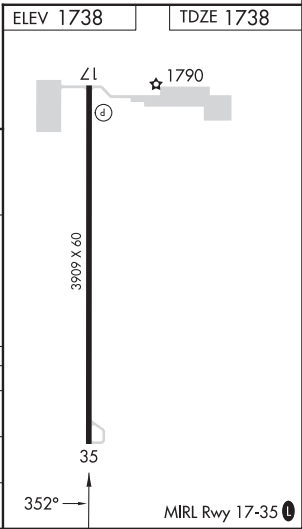
BRUCE FLD (E30)

<div><div><div>▼</div><div>▲</div></div><div>NA</div></div> <div>DME/DME RNP-0.3 NA. Use San Angelo Rgnl/Mathis Fld altimeter setting, if not received use Curtis Field altimeter setting and increase all DA/MDAs 20 feet.</div>	<div>MISSED APPROACH: Climb to 3500 direct RIREE and hold.</div>
---	--

SAN ANGELO APP CON★ 125.35 354.1	CTAF 122.90
--	-----------------------



CATEGORY	A	B	C	D
LPV DA	2089-1¼	351 (400-1¼)		NA
LNVA MDA	2160-1	422 (500-1)	2160-1¼ 422 (500-1¼)	NA
CIRCLING	2220-1	482 (500-1)	2220-1½ 482 (500-1½)	NA



BALLINGER, TEXAS
Orig-A 20DEC07

31°40'N-99°59'W

BRUCE FLD (E30)

RNAV (GPS) RWY 35

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 49241 W12A	APP CRS 127°	Rwy Idg 4553 TDZE 268 Apt Elev 273
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RNAV (GPS) RWY 12
BEEVILLE MUNI (BEA)

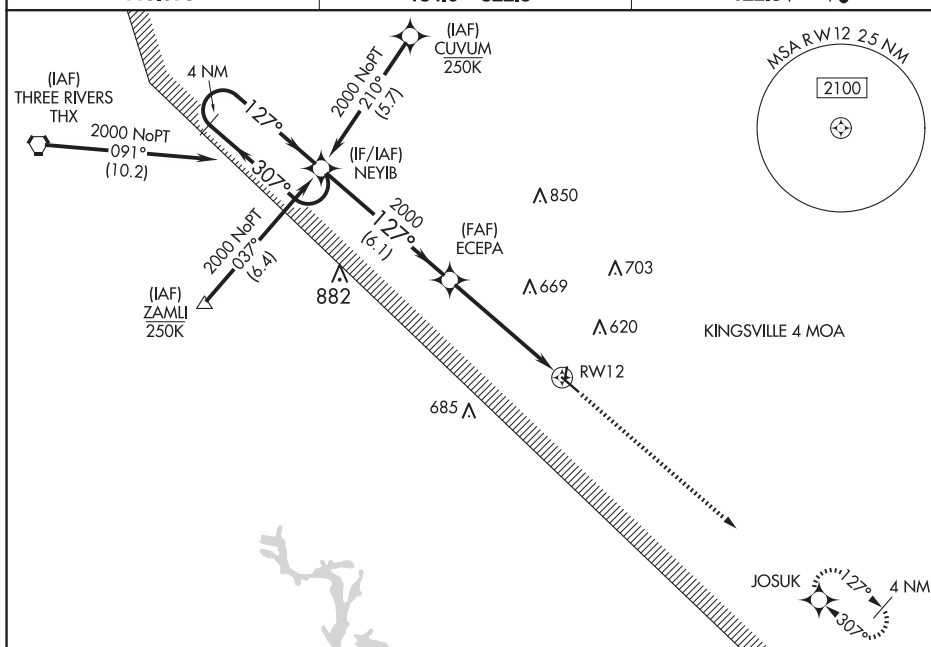
RNP APCH.

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Circling Rwy 18 and 36 NA at night. Rwy 12 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 direct JOSUK and hold.

AWOS-3
118,675

HOUSTON CENTER
134.6 322.5

UNICOM
122.8 (CTAF) **L**

4 NM Holding Pattern

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 20).

2000 ← 307° 127° → 2000

GP 3.00° TCH 40

NEYIB ECEPA

2000

*2.2 NM to RW12

*RNAV only.

RW12

6.1 NM 3.1 NM 2.2 NM

CATEGORY	A	B	C	D
LPV DA	518-1	250 (300-1)		NA
RNAV/VNAV DA	880-1 3/4	612 (700-1 3/4)		NA
RNAV MDA	1000-1	732 (800-1)	1000-2 732 (800-2)	NA
CIRCLING	1000-1	727 (800-1)	1000-2 727 (800-2)	NA

Diagram details: 127° to RW12, 81, 0.3% UP, 2251 X 60, 36, 4553 X 75, -0.5% UP, 30

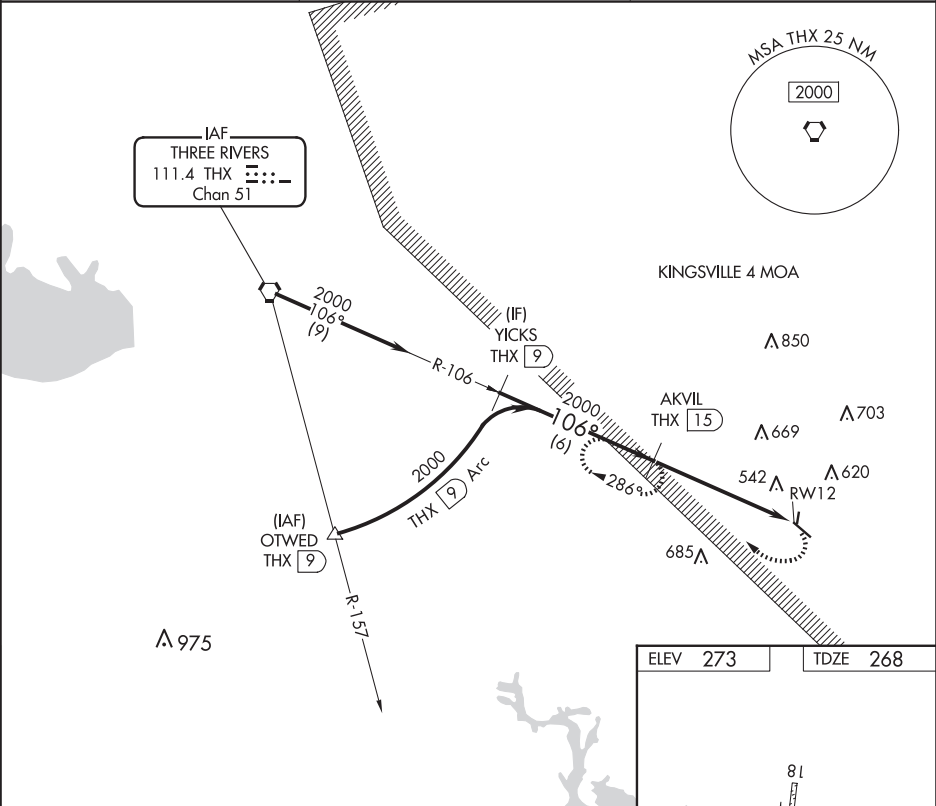
VORTAC THX	APP CRS	Rwy Idg	4553
111.4	106°	TDZE	268
Chan 51		Apt Elev	273

VOR/DME RWY 12
BEEVILLE MUNI (BEA)

▼ Use Corpus Christi Intl altimeter setting.
▲ NA Circling NA to Rwys 18 and 36.

MISSED APPROACH: Climbing right turn to 2000 via THX VORTAC R-106 to AKVIL/THX VORTAC 15 DME and hold. Continue climb-in-hold to 2000.

AWOS-3 118.675	HOUSTON CENTER 134.6 322.5	UNICOM 122.8 (CTAF) 0
-------------------	-------------------------------	---------------------------------



Procedure Turn NA

YICKS THX 9

AKVIL THX 15

2000

106°

2000

2.90° TCH 40

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 20).

6 NM

5.5 NM

2000 THX R-106

AKVIL THX 15

RW12 THX 20.5

106°

81

0.3% UP

2251 X 40

36

4553 X 75

0.5% UP

20

CATEGORY	A	B	C	D
S-12	1000-1 732 (800-1)	1000-1¼ 732 (800-1¼)	1000-2 732 (800-2)	NA
C CIRCLING	1000-1 727 (800-1)	1020-1¼ 747 (800-1¼)	1120-2½ 847 (900-2½)	NA

MIRL Rwy 12-30 **0**

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

BEEVILLE, TEXAS

AL-11435 (FAA)

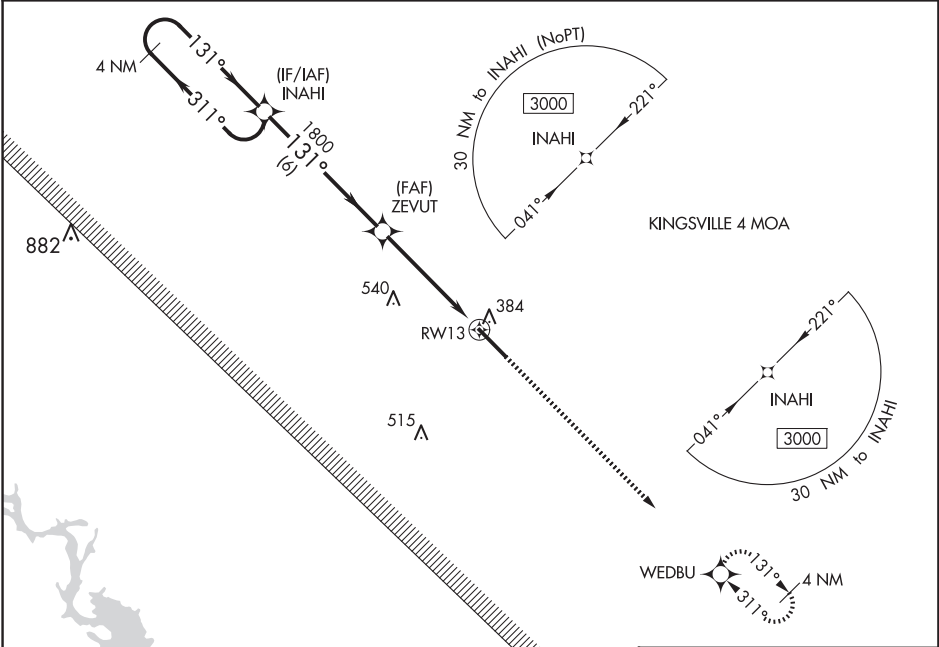
22139

WAAS CH 70740 W13A	APP CRS 131°	Rwy Idg TDZE Apt Elev	8000 184 184
--	------------------------	-----------------------------	---

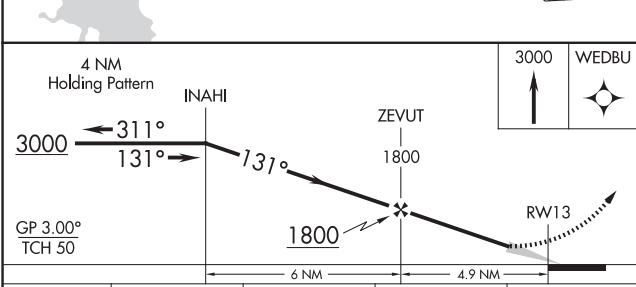
RNAV (GPS) RWY 13
CHASE FLD INDUSTRIAL (TX2)

NA	Baro-VNAV NA. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3000 direct WEDBU and hold.
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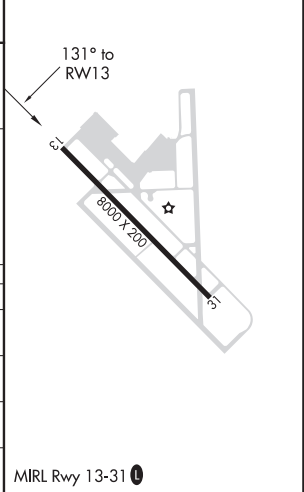
BEA AWOS-3 118.675	HOUSTON CENTER 134.6 322.5	UNICOM 122.8 (CTAF) 0
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ELEV 184	TDZE 184
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CATEGORY	A	B	C	D
LPV DA	434- ³ / ₄	250 (300- ³ / ₄)		
LNAV/VNAV DA	586-1 ³ / ₈	402 (500-1 ³ / ₈)		
LNAV MDA	720-1	536 (600-1)	720-1 ¹ / ₂	536 (600-1 ¹ / ₂)
C CIRCLING	720-1	536 (600-1)	720-1 ¹ / ₂ 536 (600-1 ¹ / ₂)	920-2 ¹ / ₄ 736 (800-2 ¹ / ₄)



BEEVILLE, TEXAS
Orig 17AUG17

28°22'N-97°40'W

CHASE FLD INDUSTRIAL (TX2)
RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

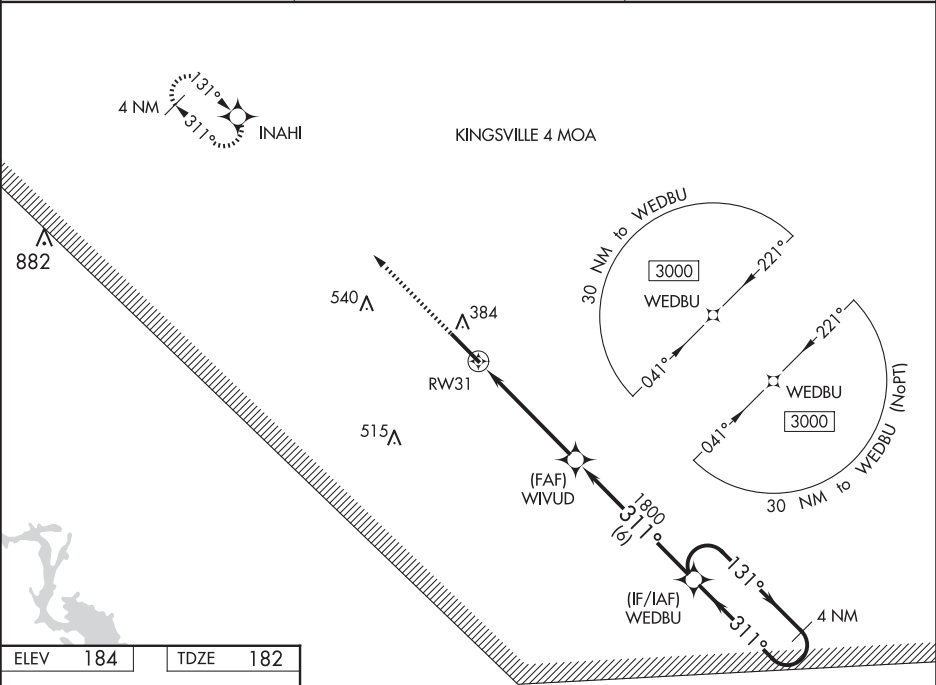
WAAS CH 77940 W31A	APP CRS 311°	Rwy Idg 8000 TDZE 182 Apt Elev 184
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RNAV (GPS) RWY 31

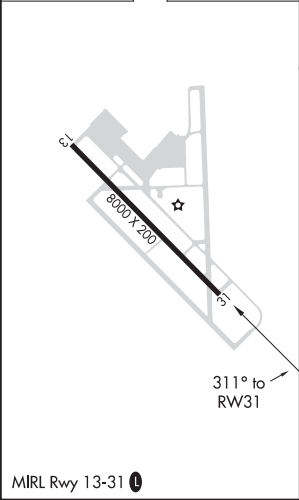
CHASE FLD INDUSTRIAL (TX2)

<div><div>▲</div>NA</div>	Baro-VNAV NA. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3000 direct INAHI and hold.
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BEA AWOS-3 118.675	HOUSTON CENTER 134.6 322.5	UNICOM 122.8 (CTAF) 0
------------------------------	--------------------------------------	--



ELEV 184	TDZE 182
-----------------	-----------------

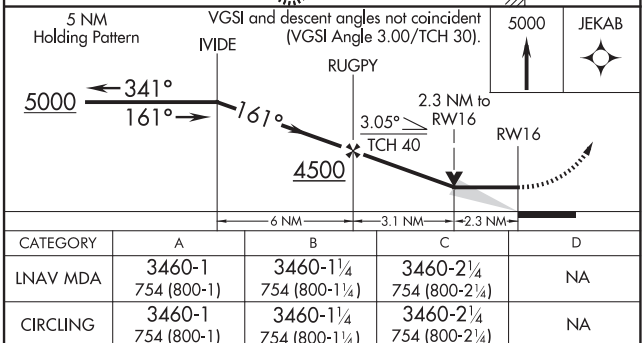


3000	INAHI	4 NM	WEDBU	Holding Pattern
1800	WIVUD	1800	131°	3000
311°	311°	311°	311°	GP 3.00°
5 NM	6 NM			TCH 50
CATEGORY	A	B	C	D
LPV DA		432-7/8	250 (300-7/8)	
LNAV/VNAV DA		461-7/8	279 (300-7/8)	
LNAV MDA	620-1	438 (500-1)	620-1 1/4	438 (500-1 1/4)
CIRCLING	720-1	536 (600-1)	720-1 1/2	920-2 1/4
			536 (600-1 1/2)	736 (800-2 1/4)

RNAV (GPS) RWY 16

REAGAN COUNTY (E41)

MISSED APPROACH: Climb to 5000 direct JEKAB and hold.

CTAF
122.9

RNAV (GPS) RWY 16

SC-3, 12 JUN 2025 to 07 AUG 2025

FORT BLISS, TEXAS

ILS or LOC RWY 22

I-BIF LOC/DME 110.9 Chan 46	APCH CRS 216°	Rwy Idg 13,554 TDZE 3947 Arpt Elev 3947
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[USA]

BIGGS AAF (KBIF)

RADAR required when R-5103-A,B,C, R-5107K are active.



MISSED APPROACH: Climb to 4600, then climbing left turn to 9000 direct ELP VORTAC. Proceed outbound ELP R-040 to PIERS intersection and hold. Continue climb in hold to 9000.

*Circling NA for CAT DE NW of Rwy 4.

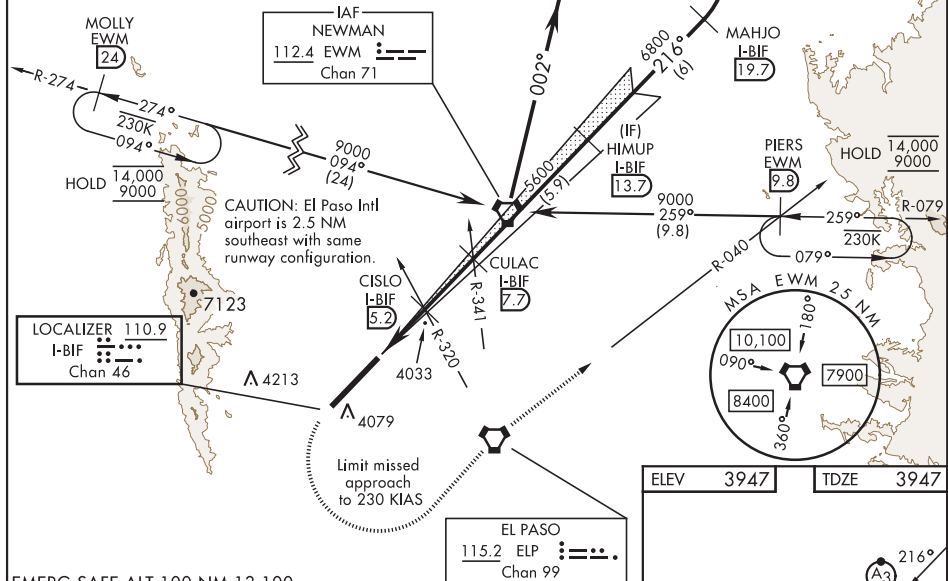
EL PASO ATIS 120.0 254.3	EL PASO APP 119.15 353.5 (S of V16) 124.25 298.85 (N of V16)	TOWER 127.9 342.25	GND CON 121.6 251.125	EL PASO CLNC HOLD 125.0 379.1	ASR
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Arrivals expect RADAR vectors to final when restricted areas are active.

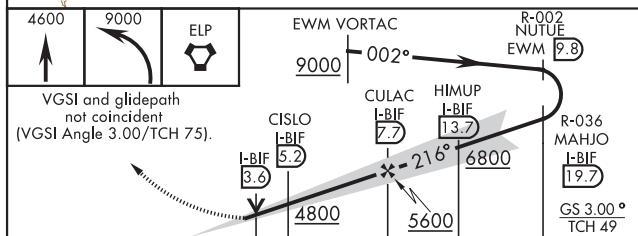
Procedure NA via V-94-611, T317 westbound without holding at MOLLY. ATC clearance required.

Procedure NA via V-560 eastbound without holding at PIERS. ATC clearance required.

Inop table does not apply.

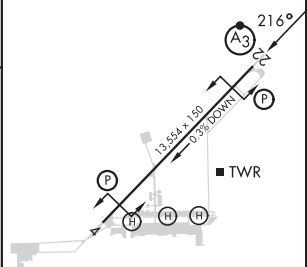


EMERG SAFE ALT 100 NM 13,100



CATEGORY	A	B	C	D	E
S-ILS 22	4147- $\frac{3}{4}$	200	(200- $\frac{3}{4}$)		
S-LOC 22	4300-1	353	(400-1)		
CIRCLING*	4380-1 433 (500-1)	4400-1 453 (500-1)	4560-1 $\frac{3}{4}$ 613 (700-1 $\frac{3}{4}$)	4560-2 613 (700-2)	4560-2 $\frac{1}{4}$ 613 (700-2 $\frac{1}{4}$)

ELEV 3947	TDZE 3947
-----------	-----------

HIRL Rwy 04-22
REIL Rwy 04, 22

FAF to MAP 5.0 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

FORT BLISS, TEXAS

31° 51'N - 106° 23'W

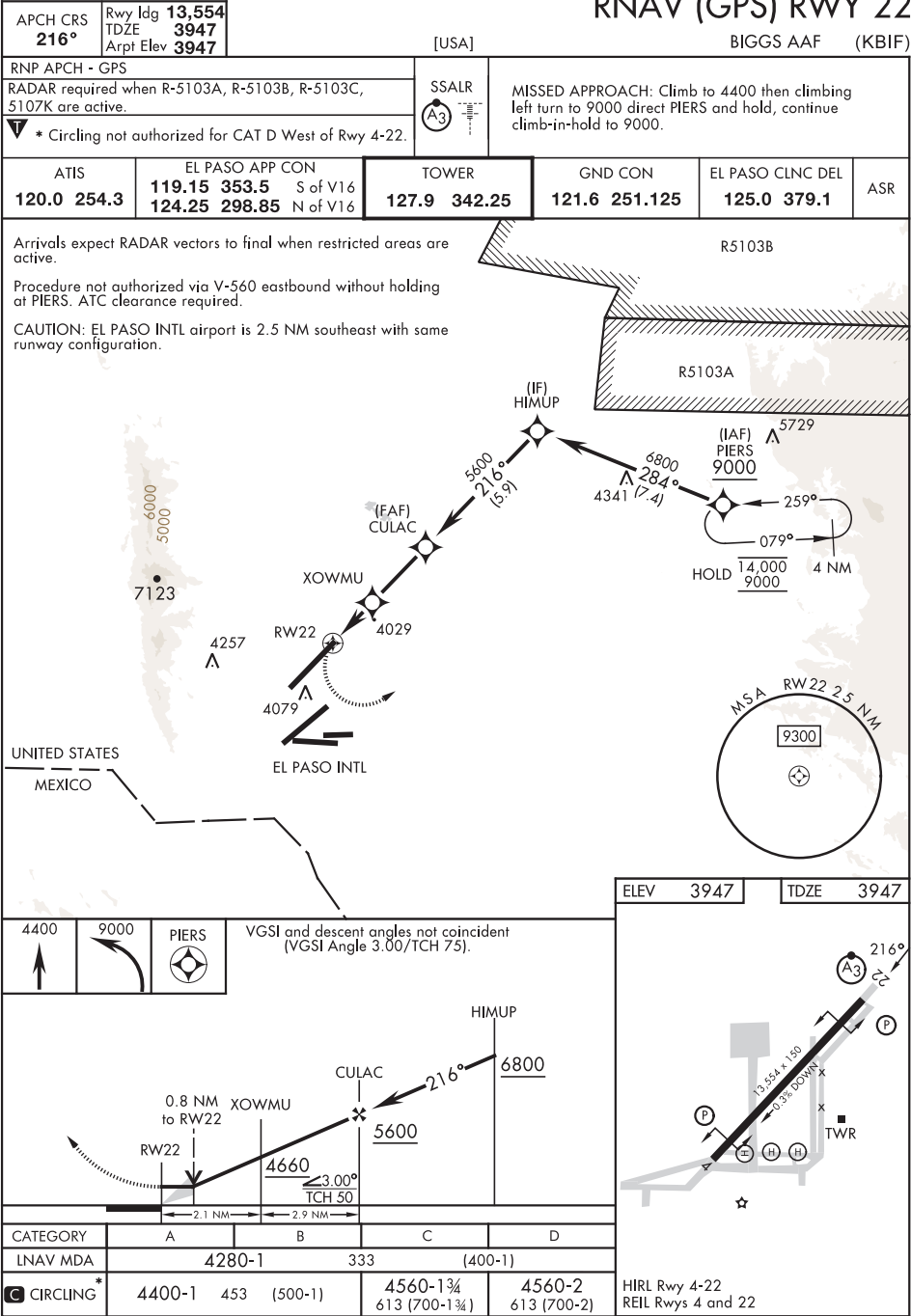
BIGGS AAF (KBIF)

Orig 25JAN24

ILS or LOC RWY 22

FORT BLISS, TEXAS

RNAV (GPS) RWY 22



VOR or TACAN RWY 22

BIGGS AAF (KBIF)

EWM VORTAC 112.4 Chan 71	APCH CRS 210°	Rwy Idg 13,554 TDZE 3947 Arpt Elev 3947
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[USA]



MISSED APPROACH: Climbing left turn to 8000 direct EWM VORTAC and hold, continue climb-in-hold to 8000. (TACAN only aircraft continue on EWM R-079 to PIERS INT/ EWM 9.8 DME and hold, continue climb-in-hold to 9000).

* Circling CAT DE not authorized W of Rwy 4-22.

ATIS		EL PASO APP CON		TOWER		GND CON		EL PASO CLNC DEL		ASR
120.0	254.3	S of V16	119.15	353.5	127.9	342.25	121.6	251.125	125.0		379.1
		N of V16	124.25	298.85						

Use El Paso Intl altimeter setting.

Inop table does not apply.

Arrivals expect RADAR vectors to final when restricted areas are active.

TACAN only equipped acft:

Final apch from holding patten not authorized.

RADAR vectors required to final approach course.

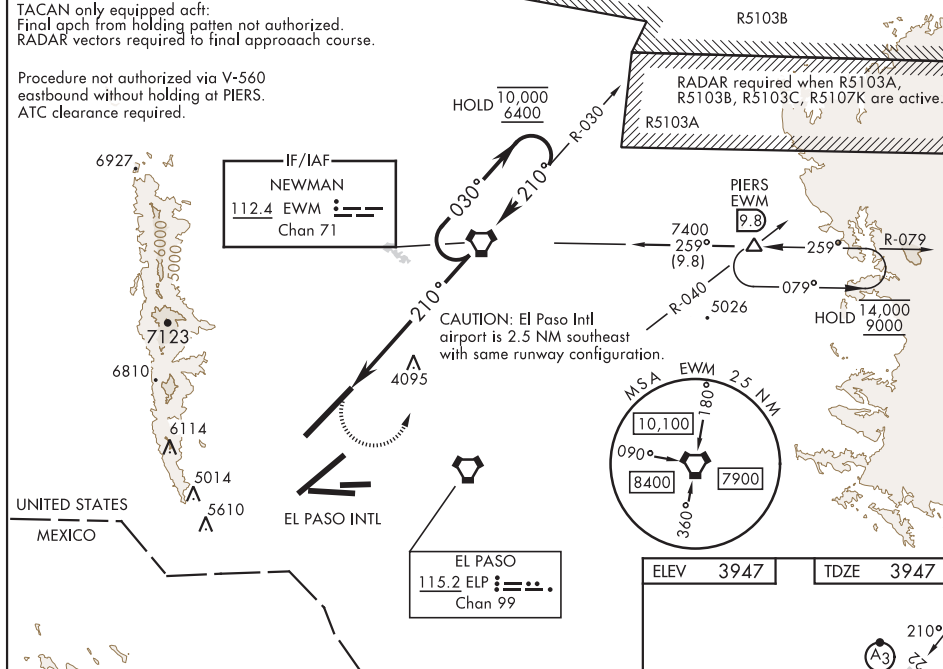
Procedure not authorized via V-560

eastbound without holding at PIERS.

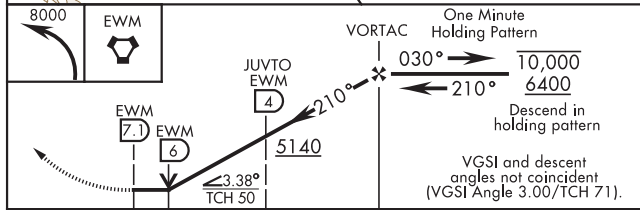
ATC clearance required.

Knots	60	120	180	240	300	360
V/V(fpm)	332	664	996	1328	1660	1992

Min climb of 332 ft/NM to 6400 - Controlling Obstacle Unk
Climb grad does not apply to the TACAN only missed apch.



ELEV	3947		TDZE	3947
------	------	--	------	------



	3.1 NM		4 NM		
CATEGORY	A	B	C	D	E
S-22	5140-1¼ 1193 (1200-1¼)				5140-3 1193(1200-3)
C CIRCLING *	5140-1¼ 1193 (1200-1¼)	5140-1½ 1193 (1200-1½)	5140-3 1193 (1200-3)		

HIRL Rwy 4-22
RFIL Rwy 4 and 22

FAF to MAP 7.1 NM

Knots	60	90	120	150	180
Min:Sec	7:06	4:44	3:33	2:50	2:22

FORT BLISS, TEXAS

31° 51' N-106° 23' W

BIGGS AAF (KBIF)

Amdt 9 05OCT23

VOR or TACAN RWY 22

25163

AIRPORT DIAGRAM

[USA]

BIGGS AAF (KBIF)

FORT BLISS, TEXAS

ATIS
120.0 254.3
TOWER
127.9 342.25
GND CON
121.6 251.125
EL PASO CLNC DEL
125.0 379.1

VAR 7.7°E

OCTOBER 2021
ANNUAL RATE OF CHANGE
0.1°W

HAZARDOUS
CARGO
RAMP

FIELD
ELEV
3947

BAK-12/14

CONTROL TOWER

HOT REFUEL PADS

CENTER RAMP/
TRANSIENT RAMPLIGHTED
HELIPAD
CENTERLIGHTED
HELIPAD
EAST

BAK-12/14

ELEV
3911

036.3°

LIGHTED
HELIPAD
WEST

MAIN

FIRE STATION

BASE OPS

ELEV
3920

4063

HUNTER
RAMP

TANKS

Rwy 4-22
PCN 84 R/C/W/T

WEST
RAMP

AIRPORT DIAGRAM

FORT BLISS, TEXAS

BIGGS AAF (KBIF)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 53608 W17A	APP CRS 173°	Rwy Idg 4605 TDZE 1827 Apt Elev 1827
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RNAV (GPS) RWY 17
CURTIS FLD (BBD)

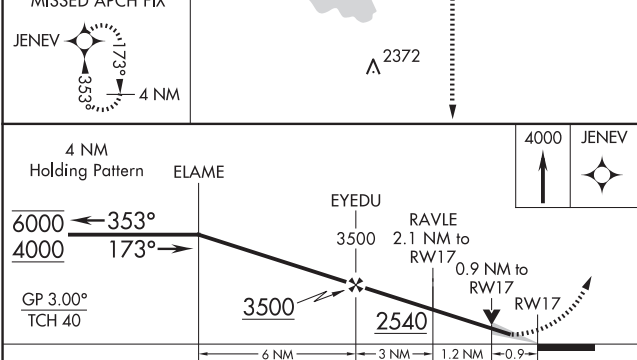
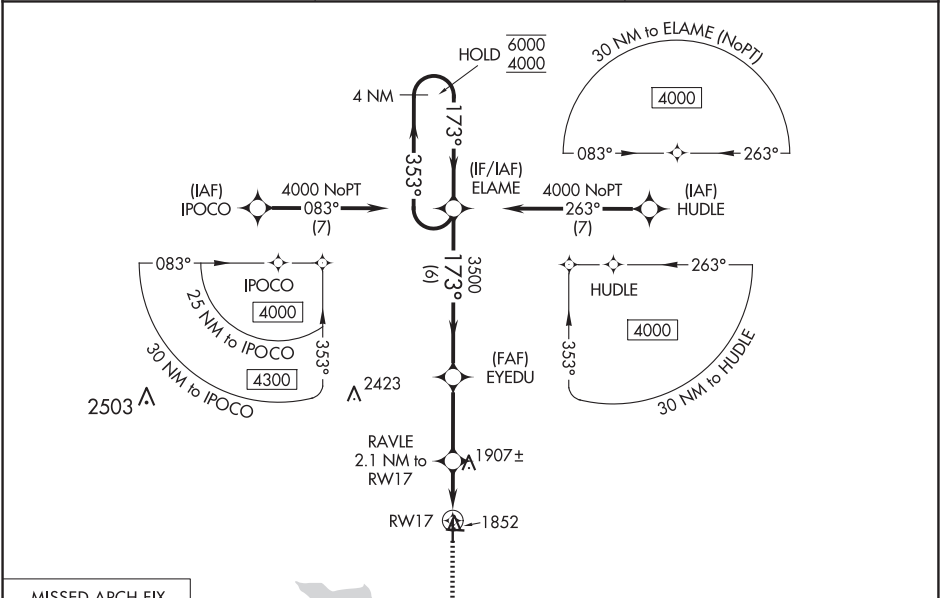
RNP APCH - GPS.

⚠

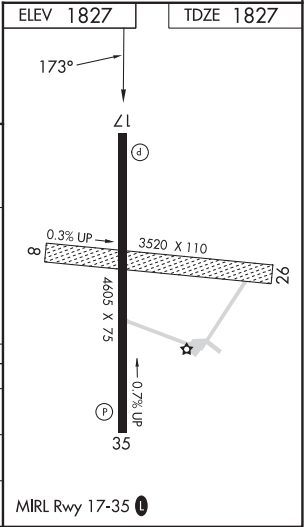
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.
Baro-VNAV and VDP NA when using JCT altimeter setting. When local altimeter setting not received, use JCT altimeter setting: increase LPV DA to 2144 feet; increase LNAV/VNAV DA to 2194 feet; increase all MDAs 120 feet and LNAV visibility Cat C ¾ SM.

MISSED APPROACH: Climb to 4000 direct JENEV and hold.

AWOS-3 118.375	HOUSTON CENTER 132.35 317.5	UNICOM 122.8 (CTAF) 0
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CATEGORY	A	B	C	D
LPV DA	2027-1	200 (200-1)		NA
LNAV/VNAV DA	2077-1	250 (300-1)		NA
LNAV MDA	2160-1	333 (400-1)		NA



BRADY, TEXAS

AL-6890 (FAA)

22139

WAAS CH 49108 W35A	APP CRS 353°	Rwy Idg TDZE 1823 Apt Elev 1827
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RNAV (GPS) RWY 35

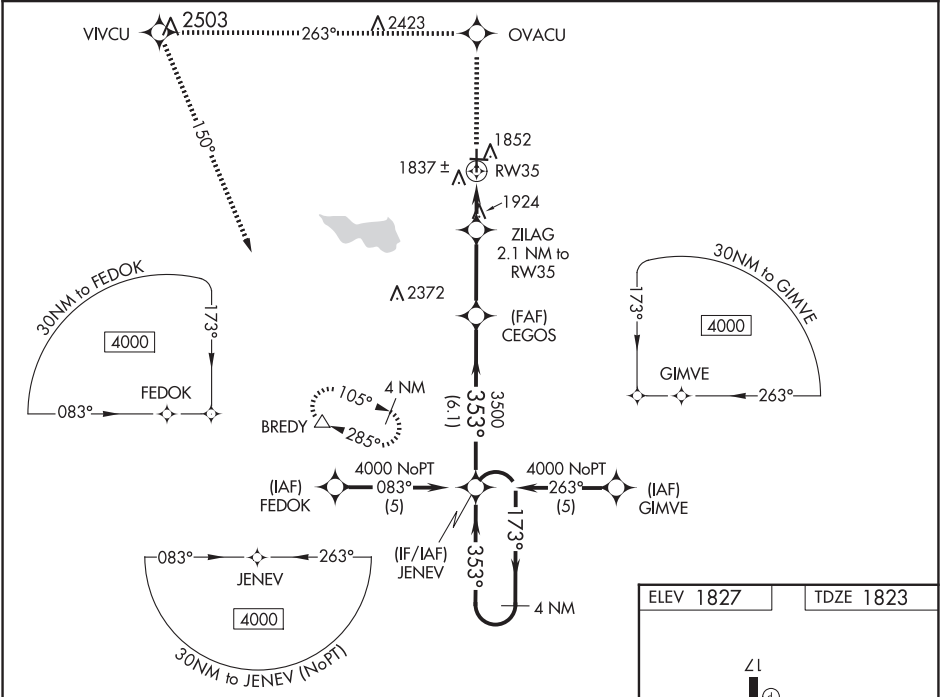
CURTIS FLD (BBD)

RNP APCH.

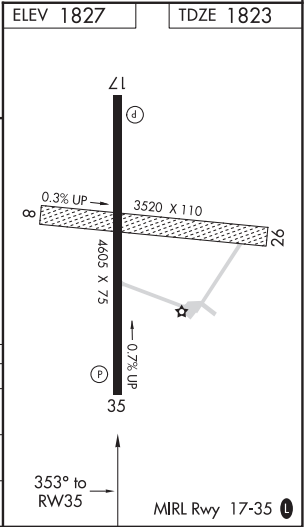
⚠ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 54°C (130°F). When local altimeter setting not received, use Junction altimeter setting and increase all DA/MDA 120 feet, increase LPV, LNAV/VNAV all Cats visibility ½ mile, LNAV Cat C visibility ¼ mile. Baro-VNAV NA when using Junction altimeter setting. Rwy 35 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 4000 direct OVACU and via 263° track to VIVCU and left turn via 150° track to BREDY and hold.

AWOS-3 118.375	HOUSTON CENTER 132.35 317.5	UNICOM 122.8 (CTAF) 0
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4000	OVACU	tr 263°	VIVCU	tr 150°	BREDY	JENEV	4 NM Holding Pattern
*LNAV only.							
RW35							
ZILAG 2.1 NM to RW35							
CEGOS							
2500*							
3500							
GP 3.00° TCH 48							
CATEGORY		A	B	C	D		
LPV	DA	2073-1	250 (300-1)		NA		
LNAV/VNAV	DA	2107-1	284 (300-1)		NA		
LNAV	MDA	2240-1	417 (500-1)	2240-1¼ 417 (500-1¼)	NA		



BRADY, TEXAS

Amdt 1B 07NOV19

31°11' N-99°19' W

RNAV (GPS) RWY 35

CURTIS FLD (BBD)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

LOC/DME I-BRO
110.3
Chan **40**

APP CRS
132°

Rwy Idg **7399**
TDZE **19**
Apt Elev **22**

ILS or LOC RWY 13

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

ADF or RADAR required.

▼

VDP NA when using Port Isabel altimeter setting. For inop ALS increase S-LOC 13 Cats C and D visibility to 1 3⁄8 miles. When local altimeter setting not received, use Port Isabel altimeter setting and increase DA to 307 feet and all MDA 40 feet. S-LOC 13 Cat C and D visibility to RVR 5500, Circling Cat D visibility to 2 1⁄4 miles. For inop ALS when using Port Isabel altimeter setting increase S-LOC 13 Cats C/D visibility to 1 3⁄8 miles.

MALSR

AS

MISSED APPROACH:
Climb to 700 then climbing left turn to 2000 direct HRL VOR/DME and hold.

ATIS 128.55	VALLEY APP CON 119.5 257.6	BROWNSVILLE TOWER ★ 118.9 (CTAF) 239.3	GND CON 121.9	UNICOM 122.95
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1049 A

312°

177°

357°

2000 (19.6)

HARLINGEN 113.65 HRL Chan 83 (Y)

1900 196° (17.7)

RELAX

LOM/IAF DEPOO 393 BR

I-BRO 7.3

1900 to LOM 287° (8.1)

BROWNSVILLE 116.3 BRO Chan 110

ALTERNATE MISSED APCH FIX

DEPOO 393 BR I-BRO 7.3

LOCALIZER 110.3 I-BRO Chan 40

UNITED STATES MEXICO

MSA BR 25 NM

2600 180° 060° 1600

539 A

179 A

117 A

180 A

Remain within 10 NM

DEPOO LOM I-BRO 7.3

700 2000 HRL

1900 312° 1848 132° 1900

GS 2.75° TCH 58

*I-BRO 2.8 I-BRO 1.4 *LOC only.

4.6 NM 1.4 NM

CATEGORY	A	B	C	D
S-ILS 13		269/24	250 (300-1⁄2)	
S-LOC 13	480/24	461 (500-1⁄2)	480/50	461 (500-1)
CIRCLING	480-1 458 (500-1)	540-1 518 (600-1)	540-1 1⁄2 518 (600-1 1⁄2)	680-2 658 (700-2)

MIRL Rwy 18-36
HIRL Rwy 13-31

FAF to MAP 6 NM

Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

BROWNSVILLE, TEXAS

Orig-B 20JUN19

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

25°54'N-97°26'W

ILS or LOC RWY 13

75

BROWNSVILLE, TEXAS

AL-61 (FAA)

22307

WAAS CH 63231 W13A	APP CRS 132°	Rwy Idg TDZE 19 Apt Elev 22	7399
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RNAV (GPS) RWY 13

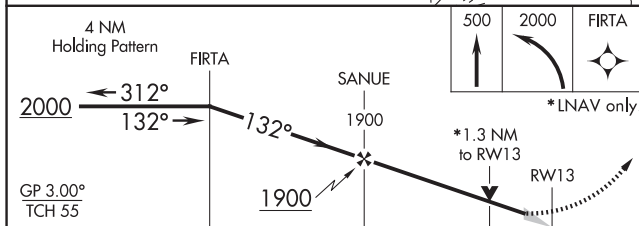
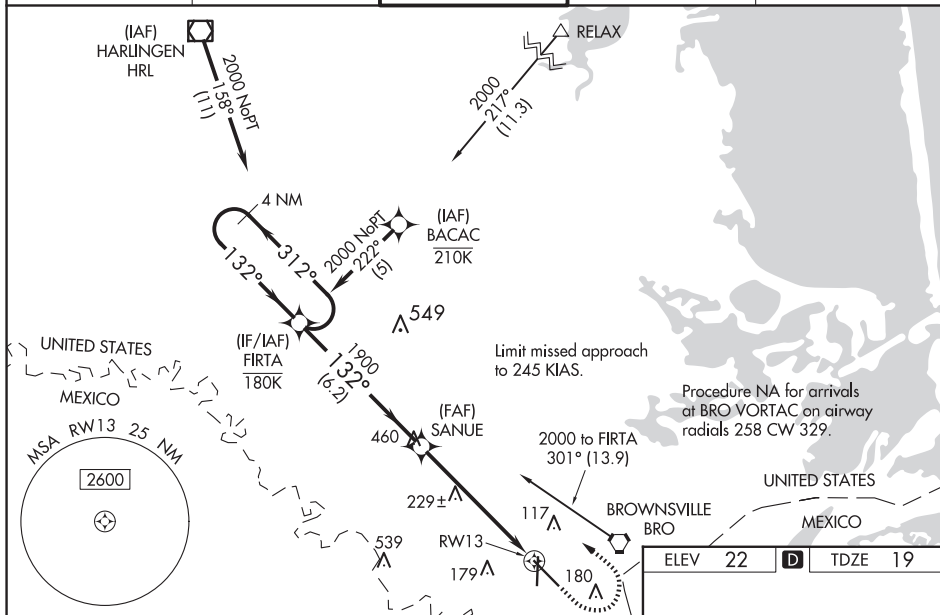
BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

⚠ Circling to Rwy 18 NA at night. For uncompensated Baro-VNAV systems, procedure NA below 3°C (38°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received use Port Isabel altimeter setting and increase LPV DA to 257 feet and LNAV/VNAV DA to 411 feet and all MDA 40 feet; increase LNAV/VNAV visibility all Cats to RVR 4500, LNAV visibility Cat C and D to RVR 5500. VDP and Baro-VNAV NA when using Port Isabel altimeter setting. For inop MALS, increase LNAV Cat C/D visibility to 1½ mile. ** RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using Port Isabel altimeter setting.

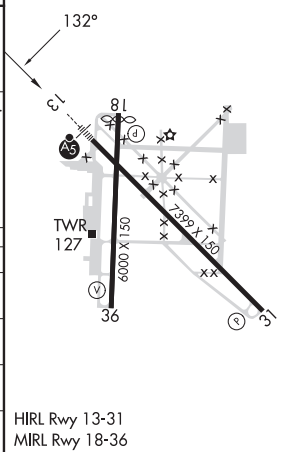


MISSED APPROACH:
Climb to 500 then
climbing left turn to
2000 direct FIRTA
and hold.

ATIS 128.55	VALLEY APP CON 119.5 257.6	BROWNSVILLE TOWER★ 118.9 (CTAF) 239.3	GND CON 121.9	UNICOM 122.95
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CATEGORY	A	B	C	D
LPV DA **	219/24	200 (200-½)		
LNAV/VNAV DA	373/30	354 (400-¾)		
LNAV MDA	480/24	461 (500-½)	480/50	461 (500-1)
C CIRCLING	480-1 458 (500-1)	540-1 518 (600-1)	540-1½ 518 (600-1½)	680-2 658 (700-2)



BROWNSVILLE, TEXAS

Orig-B 29MAR18

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

25°54'N-97°26'W

RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

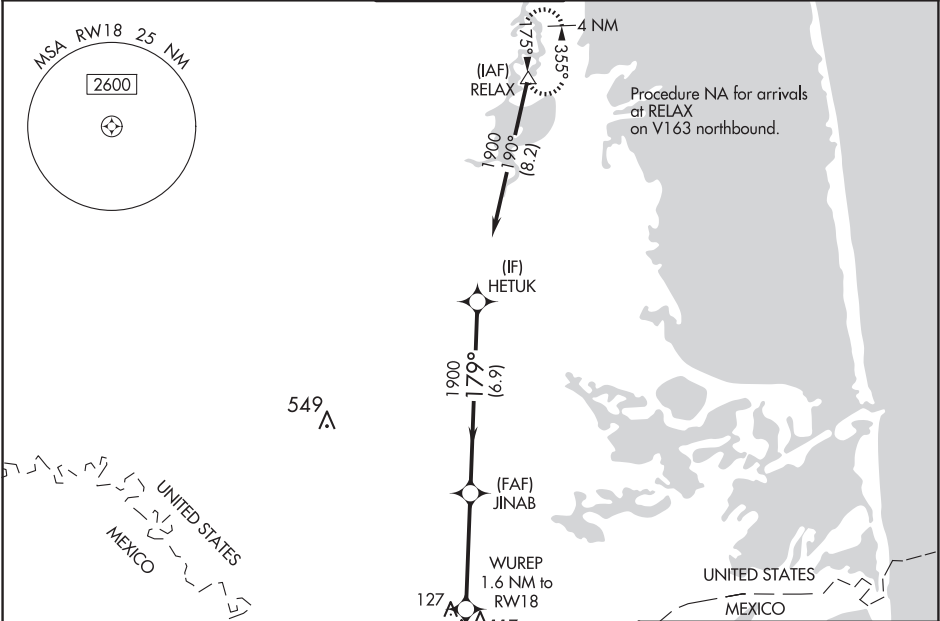
WAAS CH 93739 W18A	APP CRS 179°	Rwy ldg TDZE 20 Apt Elev 22	5810
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RNAV (GPS) RWY 18

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

RNP APCH.	MISSED APPROACH: Climb to 500 then climbing left turn to 1900 direct RELAX and hold.
RADAR required.	
▼ Rwy 18 helicopter visibility reduction below ¾ SM NA. When local altimeter not received, use Port Isabel altimeter setting and increase all MDA 40 feet; increase LNAV Cats C and D visibility ½ mile and Circling Cat D ¼ mile.	

ATIS 128.55	VALLEY APP CON 119.5 257.6	BROWNSVILLE TOWER ★ 118.9 (CTAF) 239.3	GND CON 121.9	UNICOM 122.95
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ELEV 22 D TDZE 20	
179°	
RELAX	
WUREP 1.6 NM to RWY 18	
RWY 18	
TWR 127	
MIRL Rwy 18-36	
HIRL Rwy 13-31	
CATEGORY A B C D	
LP MDA 360-1 340 (400-1)	
LNAV MDA 380-1 360 (400-1)	
CIRCLING 440-1 540-1 540-1½ 680-2	
418 (500-1) 518 (600-1) 518 (600-1½) 658 (700-2)	

BROWNSVILLE, TEXAS

AL-61 (FAA)

25107

WAAS CH 65843 W31A	APP CRS 312°	Rwy Idg TDZE 20 Apt Elev 22	7399
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RNAV (GPS) RWY 31

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

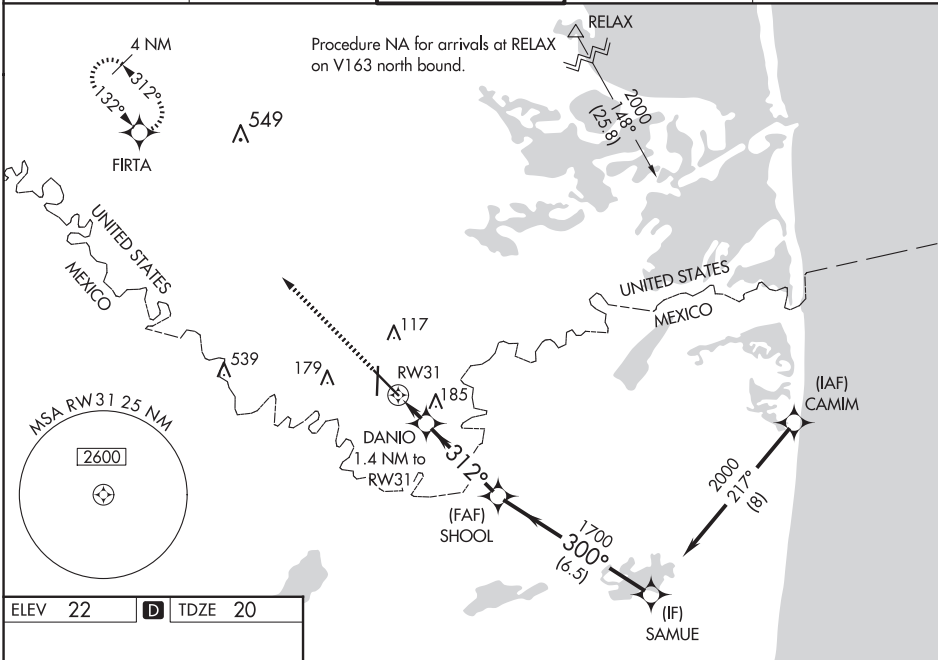
RNP APCH - GPS.

⚠

Rwy 31 helicopter visibility reduction below ¾ SM NA. Circling Rwy 18 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1° C or above 54° C.

MISSED APPROACH: Climb to 2000 direct FIRTA and hold.

ATIS 128.55	VALLEY APP CON 119.5 257.6	BROWNSVILLE TOWER* 118.9(CTAF) 239.3	GND CON 121.9	UNICOM 122.95
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ELEV 22 | **D** | TDZE 20

2000	FIRTA	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 68).			
CATEGORY		A	B	C	D
LPV DA		270-¾ 250 (300-¾)			
LNAV/ VNAV DA		270-¾ 250 (300-¾)			
LNAV MDA		380-1 360 (400-1)			
CIRCLING		440-1 418 (500-1)	500-1 478 (500-1)	540-1½ 518 (600-1½)	680-2 658 (700-2)

BROWNSVILLE, TEXAS
Orig-A 17APR25

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)
25°54'N-97°26'W
RNAV (GPS) RWY 31

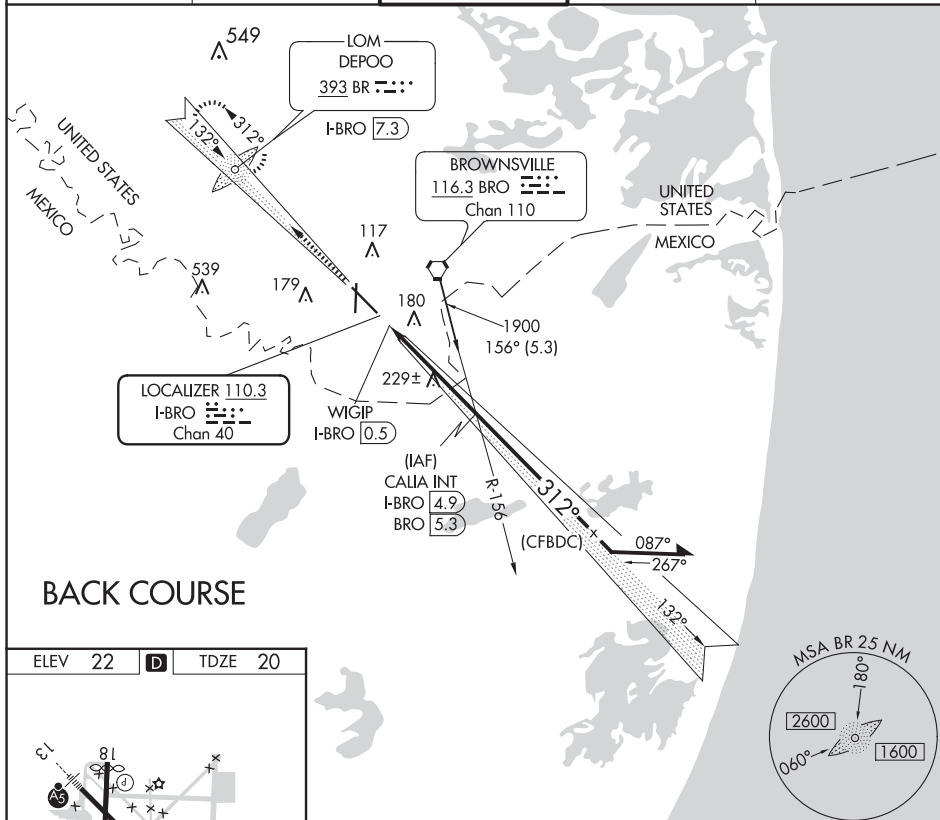
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

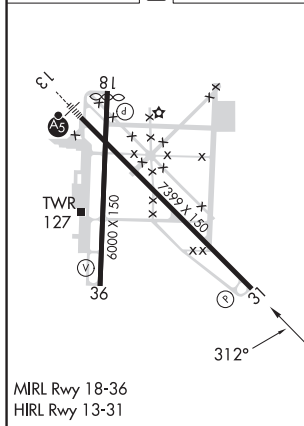
LOC BC RWY 31
BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

MISSED APPROACH: Climb to 1900 on I-BRO localizer NW course (312°) to DEPOO LOM/I-BRO 7.3 DME and hold.

ATIS 128.55	VALLEY APP CON 119.5 257.6	BROWNSVILLE TOWER ★ 118.9 (CTAF) 0 239.3	GND CON 121.9	UNICOM 122.95
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ELEV	22	D	TDZE	20
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FAF to MAP 4.4 NM

Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

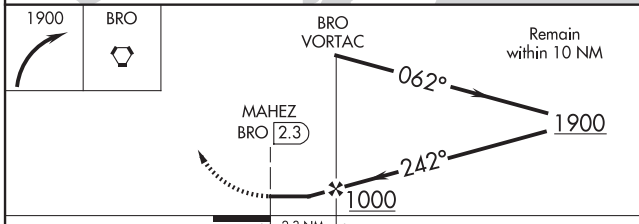
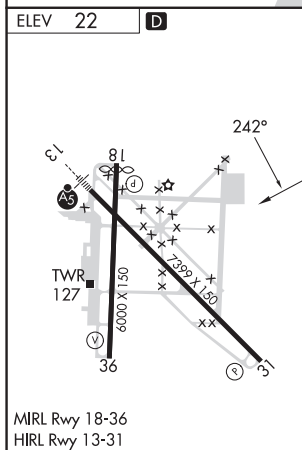
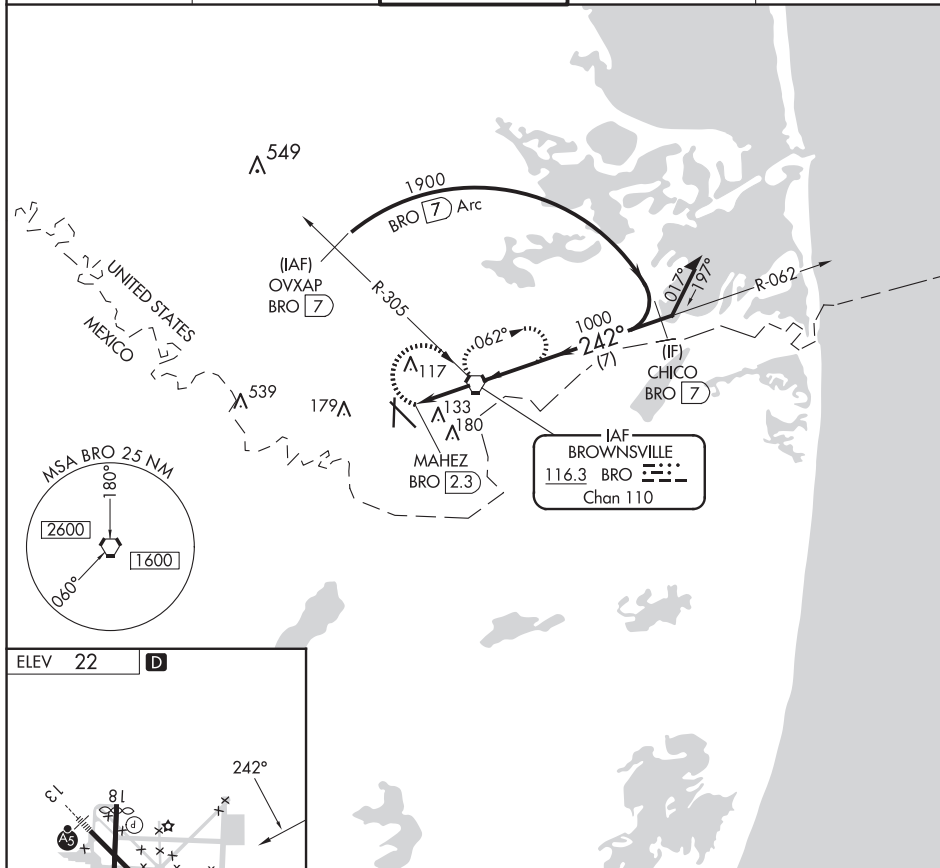
BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)


LOC BC RWY 31

VOR or TACAN-A
BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

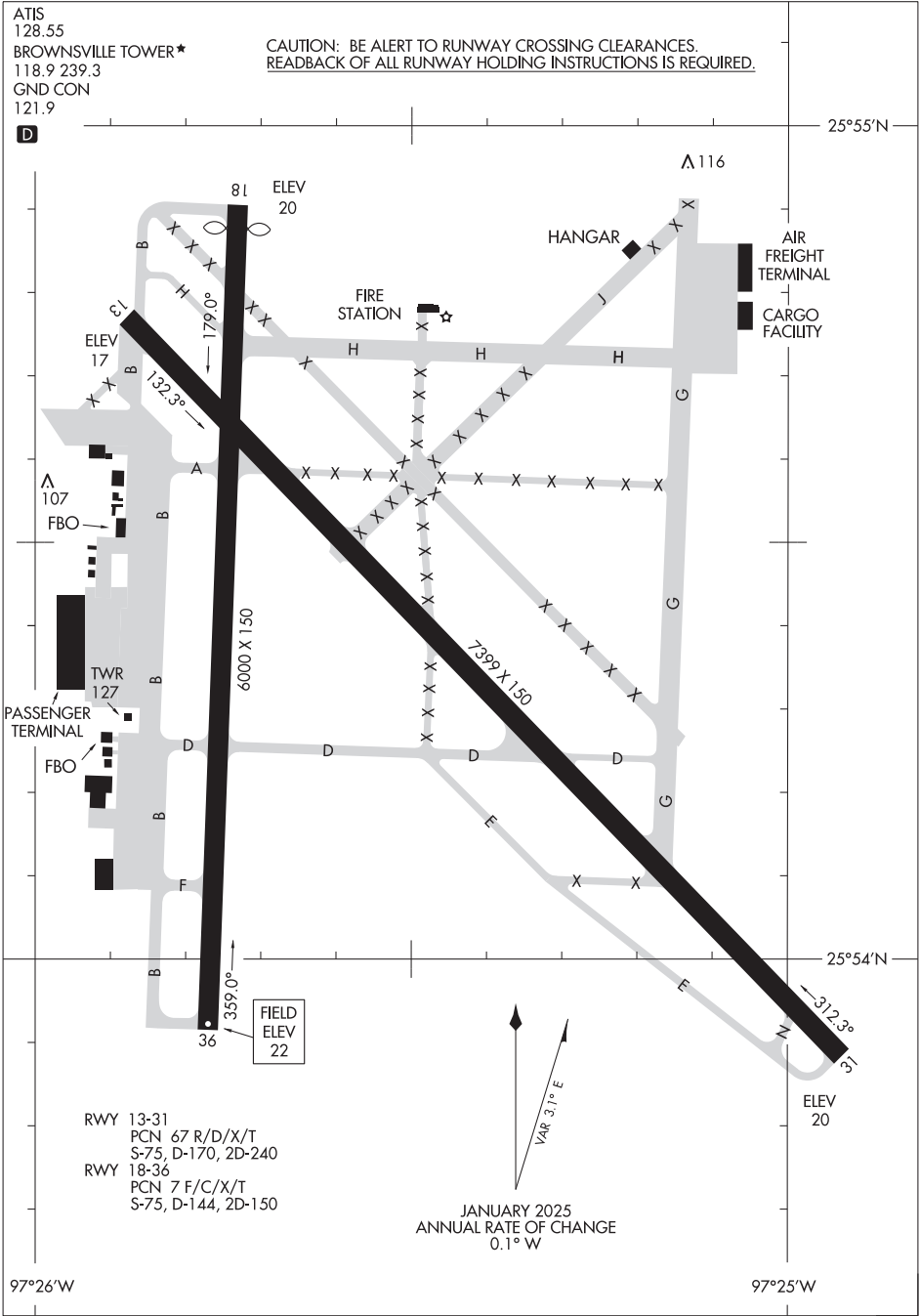
- ▼ When local altimeter not received, use Port Isabel altimeter setting and increase all MDA 40 feet and Circling Cat D visibility $\frac{1}{4}$ SM.

ATIS 128.55	VALLEY APP CON 119.5 257.6	BROWNSVILLE TOWER★ 118.9(CTAF) 239.3	GND CON 121.9	UNICOM 122.95
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FAF to MAP 2.3 NM							2.3 NM			
Knots	60	90	120	150	180	CATEGORY	A	B	C	D
Min:Sec	2:18	1:32	1:09	0:55	0:46	 CIRCLING	440-1 418 (500-1)	540-1 518 (600-1)	540-1½ 518 (600-1½)	680-2 658 (700-2)

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)
VOR or TACAN-A



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

BROWNWOOD, TEXAS

AL-705 (FAA)

24305

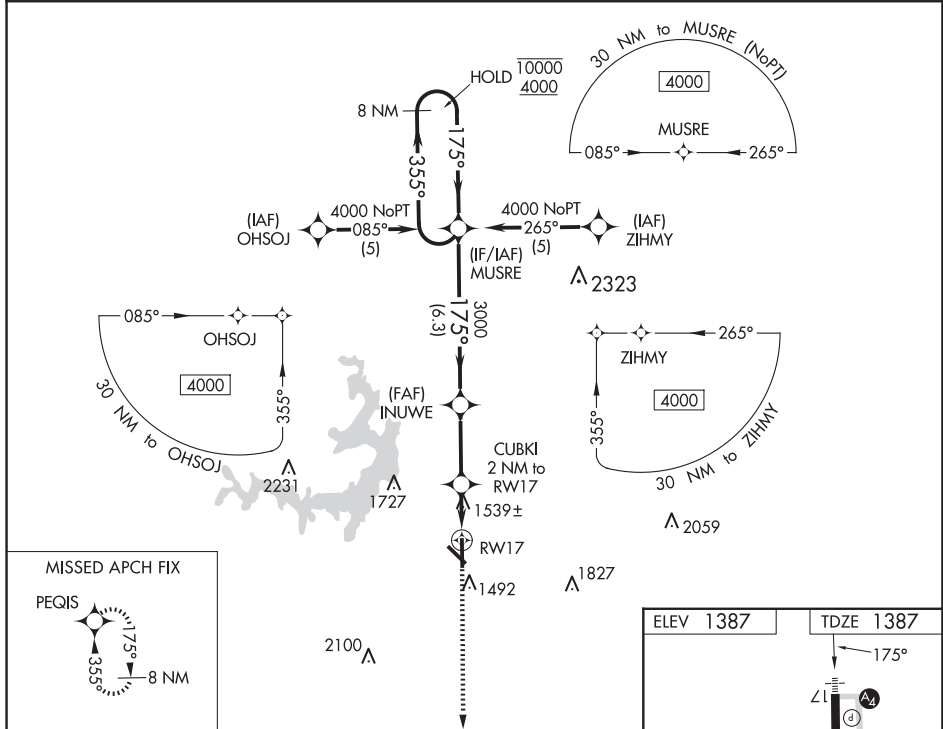
WAAS CH 70325 W17A	APP CRS 175°	Rwy Idg TDZE 1387 Apt Elev 1387	5599 1387 1387
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RNAV (GPS) RWY 17

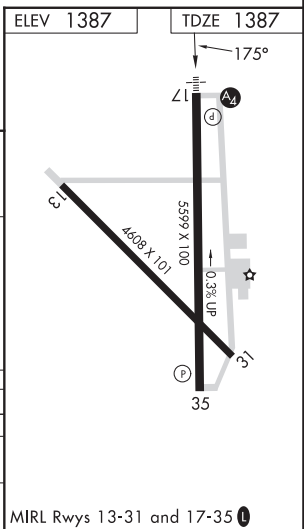
BROWNWOOD RGNL (BWD)

RNP APCH - GPS.	MALS	MISSED APPROACH: Climb to 4000 direct PEGIS and hold.
 Rwy 17 helicopter visibility reduction below 3/4 SM NA. For inop ALS, increase LNAV Cats C and D visibility to 1 1/2 SM. Inop table does not apply to LPV all Cats.		

AWOS-3 118.325	FORT WORTH CENTER 127.45 290.3	UNICOM 122.8(CTAF)
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8 NM Holding Pattern				
GP 3.00° TCH 52				
CATEGORY	A	B	C	D
LPV DA	1637-3/4			
LNAV MDA	1800-3/4	413 (500-3/4)	1800-1	413 (500-1)
CIRCLING	1820-1 433 (500-1)	1840-1 453 (500-1)	2040-1 1/4 653 (700-1 1/4)	2160-2 1/2 773 (800-2 1/2)



BROWNWOOD, TEXAS

Amdt 1D 31OCT24

31°48'N-98°57'W

RNAV (GPS) RWY 17

MIRL Rwy 13-31 and 17-35

SC-3, 12 JUN 2025 to 07 AUG 2025

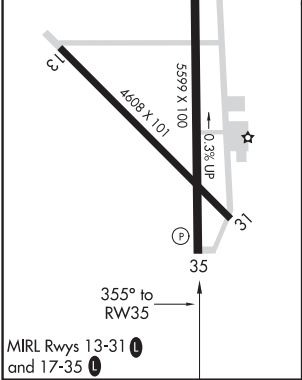
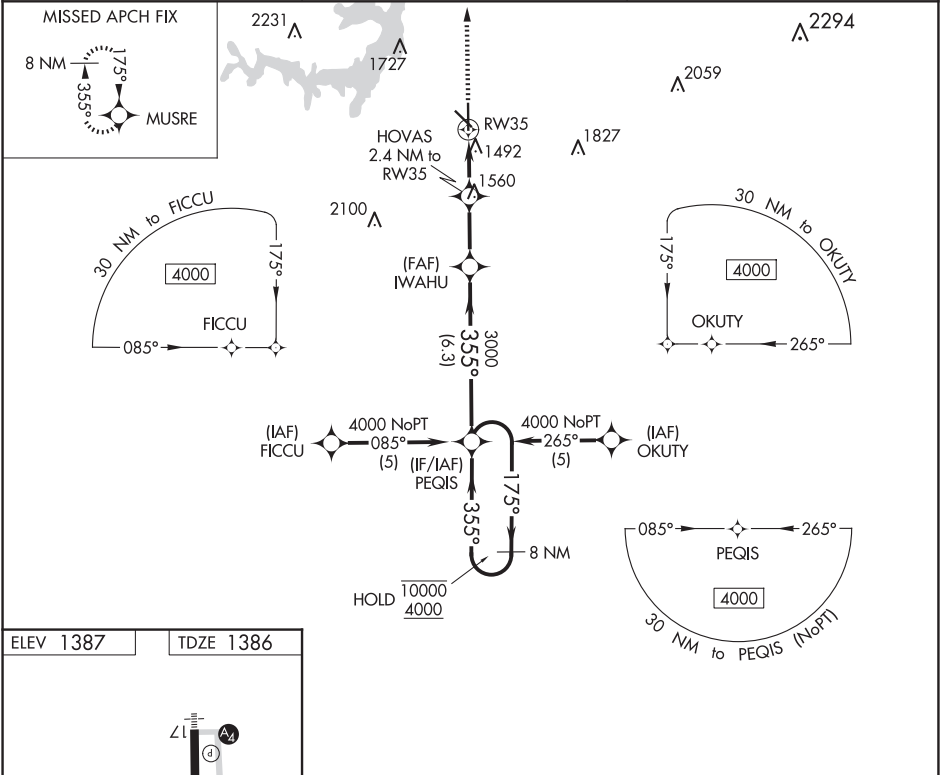
SC-3, 12 JUN 2025 to 07 AUG 2025



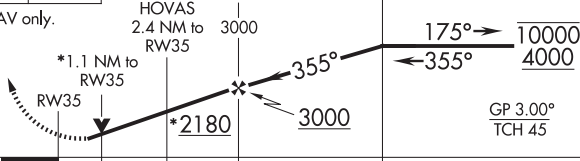
WAAS CH 77525 W35A	APP CRS 355°	Rwy Idg TDZE Apt Elev	5599 1386 1387
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RNAV (GPS) RWY 35

BROWNWOOD RGNL (BWD)

RNP APCH.		MISSED APPROACH: Climb to 4000 direct MUSRE and hold.
▼ Rwy 35 helicopter visibility reduction below ¾ SM NA.		
AWOS-3 118.325	FORT WORTH CENTER 127.45 290.3	UNICOM 122.8 (CTAF)



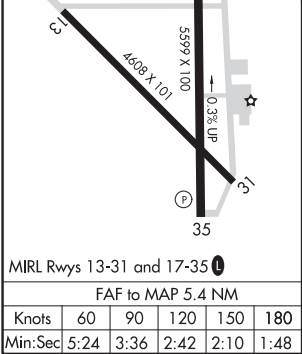
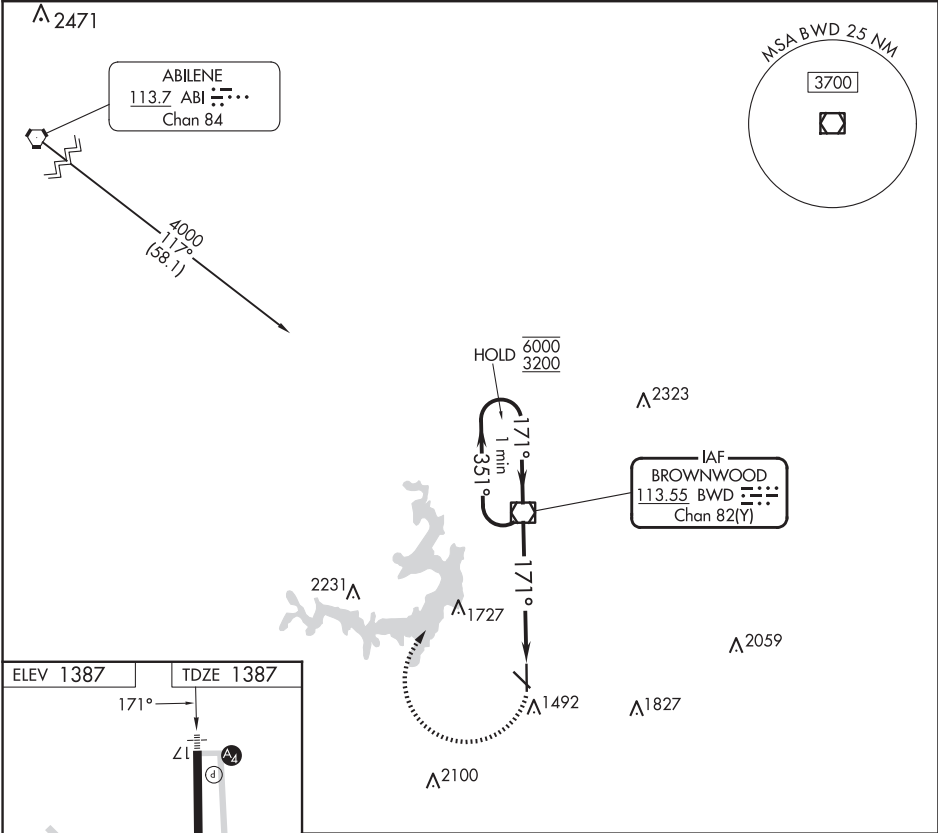
4000		MUSRE		8 NM Holding Pattern	
					
* LNAV only.					
					
CATEGORY	A		B	C	D
LPV DA	1636-1 250 (300-1)				
LNAV MDA	1780-1 394 (400-1)		1780-1½ 394 (400-1½)	1780-1¼ 394 (400-1¼)	

VOR/DME BWD	APP CRS	Rwy Idg
113.55	171°	5599
Chan 82(Y)		1387
		1387

VOR RWY 17
BROWNWOOD RGNL (BWD)

<div><div></div><div></div></div> <div>Rwy 17 helicopter visibility reduction below 3/4 SM NA. For inop ALS, increase VOR Cat A and D visibility to 1 7/8 SM.</div>	<div>MALS</div> <div><div></div><div></div></div>	MISSED APPROACH: Climbing right turn to 4000 direct BWD VOR/DME and hold, continue climb-in-hold to 4000.
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AWOS-3 118.325	FORT WORTH CENTER 127.45 290.3	UNICOM 122.8 (CTAF)
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One Minute Holding Pattern		BWD VOR/DME	4000	BWD
6000 ← 351°		171° →	171°	
3200		3.05° TCH 55	3.5	
		3.5 NM	1.9 NM	
CATEGORY	A	B	C	D
S-17	2060-3/4	673 (700-3/4)	2060-13/4	673 (700-13/4)
CIRCLING	2060-1	673 (700-1)	2060-2 673 (700-2)	2160-2 1/2 773 (800-2 1/2)

VOR/DME BWD <u>113.55</u> Chan 82 (Y)	APP CRS 351°	Rwy Idg 5599 TDZE 1386 Apt Elev 1387
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VOR RWY 35
BROWNWOOD RGNL (BWD)

RADAR required for procedure entry. DME required.

Rwy 35 helicopter visibility reduction below $\frac{3}{4}$ SM NA.

MISSED APPROACH: Climb to 3600 direct BWD VOR/DME and hold, continue climb-in-hold to 3600.

AWOS-3 118.325	FORT WORTH CENTER 127.45 290.3	UNICOM 122.8 (CTAF) 0
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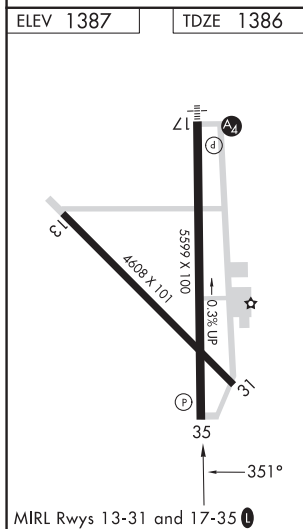
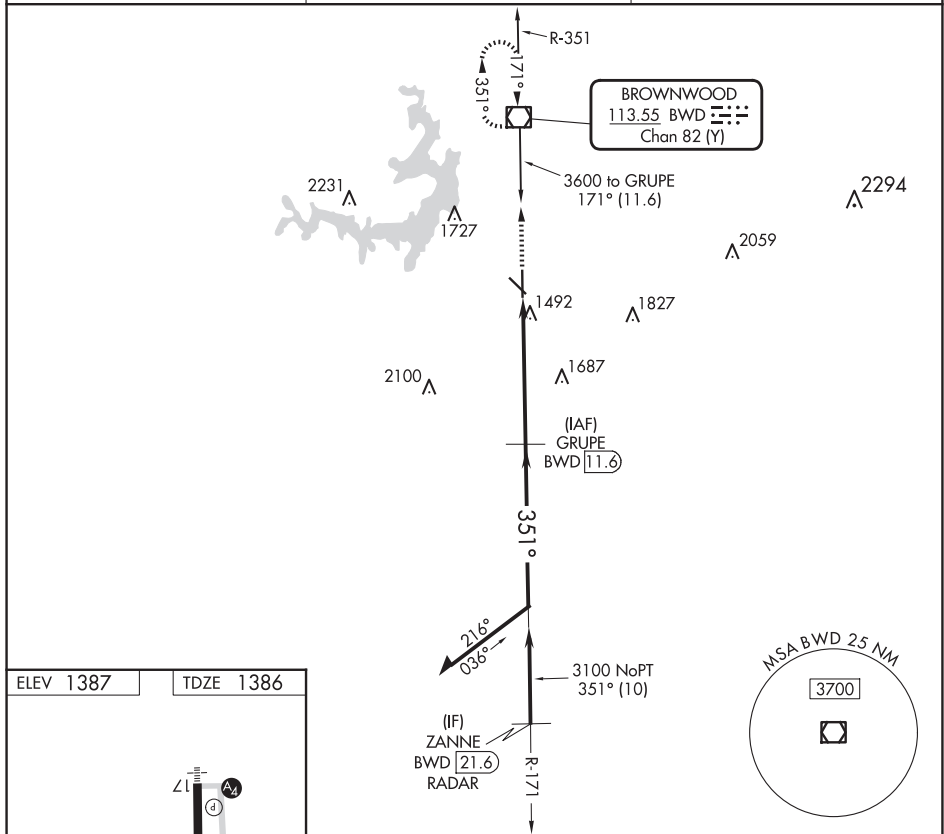


Diagram illustrating a 3600 degree turn with a 3.00 degree TCH (Turn Center Height) and a 171 degree angle. The diagram shows a horizontal line segment of 1.6 NM, followed by a 3.00 degree turn with a TCH of 48. The turn is labeled with a BWD of 6.4 and a 171 degree angle. The resulting line segment is 3.7 NM long, labeled with a BWD of 8 and a 351 degree angle. The final line segment is 3600 degrees long, labeled with a BWD of 11.6 and a 171 degree angle. The diagram also includes a 3600 degree turn symbol and a BWD of 11.6.

CATEGORY	A	B	C	D
S-35	1940-1	554 (600-1)	1940-1 $\frac{5}{8}$	554 (600-1 $\frac{5}{8}$)
CIRCLING	1940-1	553 (600-1)	2040-1 $\frac{3}{4}$ 653 (700-1 $\frac{3}{4}$)	2160-2 $\frac{1}{2}$ 773 (800-2 $\frac{1}{2}$)

BROWNWOOD, TEXAS
Amdt 2 31OCT24

BROWNWOOD RGNL (BWD)
VOR RWY 35

31°48'N-98°57'W

SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS
013°

Rwy Idg
TDZE
1269

Apt Elev
1283

RNAV (GPS) RWY 1

BURNET MUNI/KATE CRADDOCK FLD (BMQ)

RNP APCH - GPS.

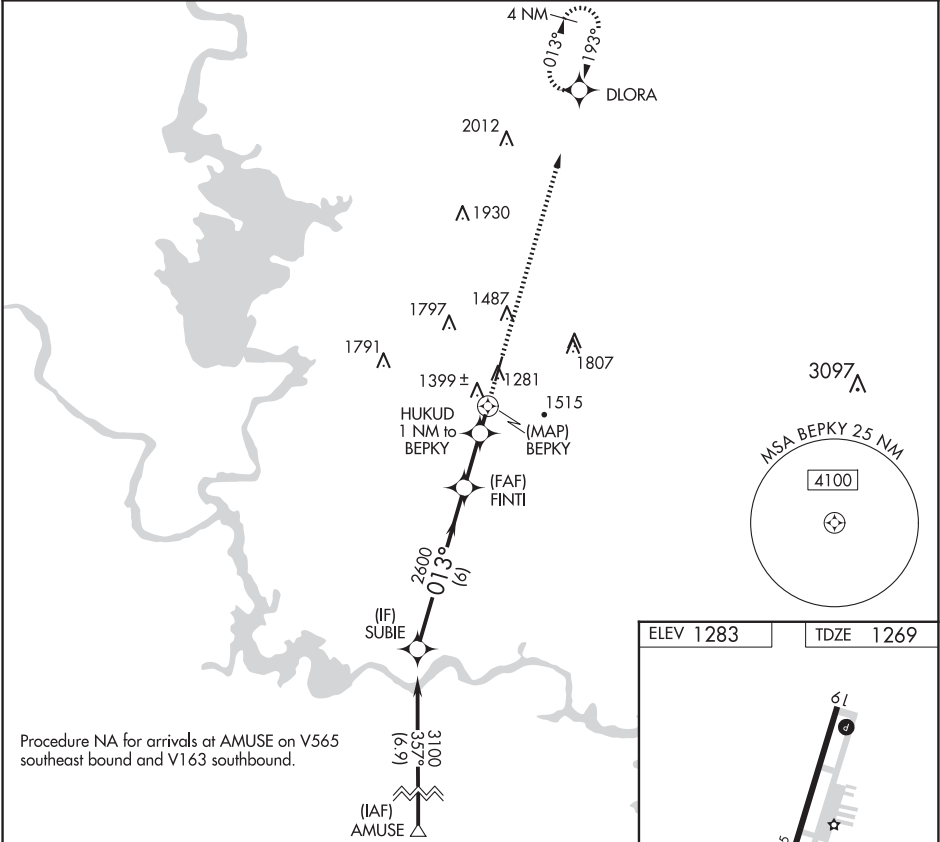
▼

▲

Rwy 1 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Lago Vista altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climb to 3500 direct DLORA and hold.

ASOS 119.925	HOUSTON CENTER 132.35 317.5	UNICOM 122.8 (CTAF) 0
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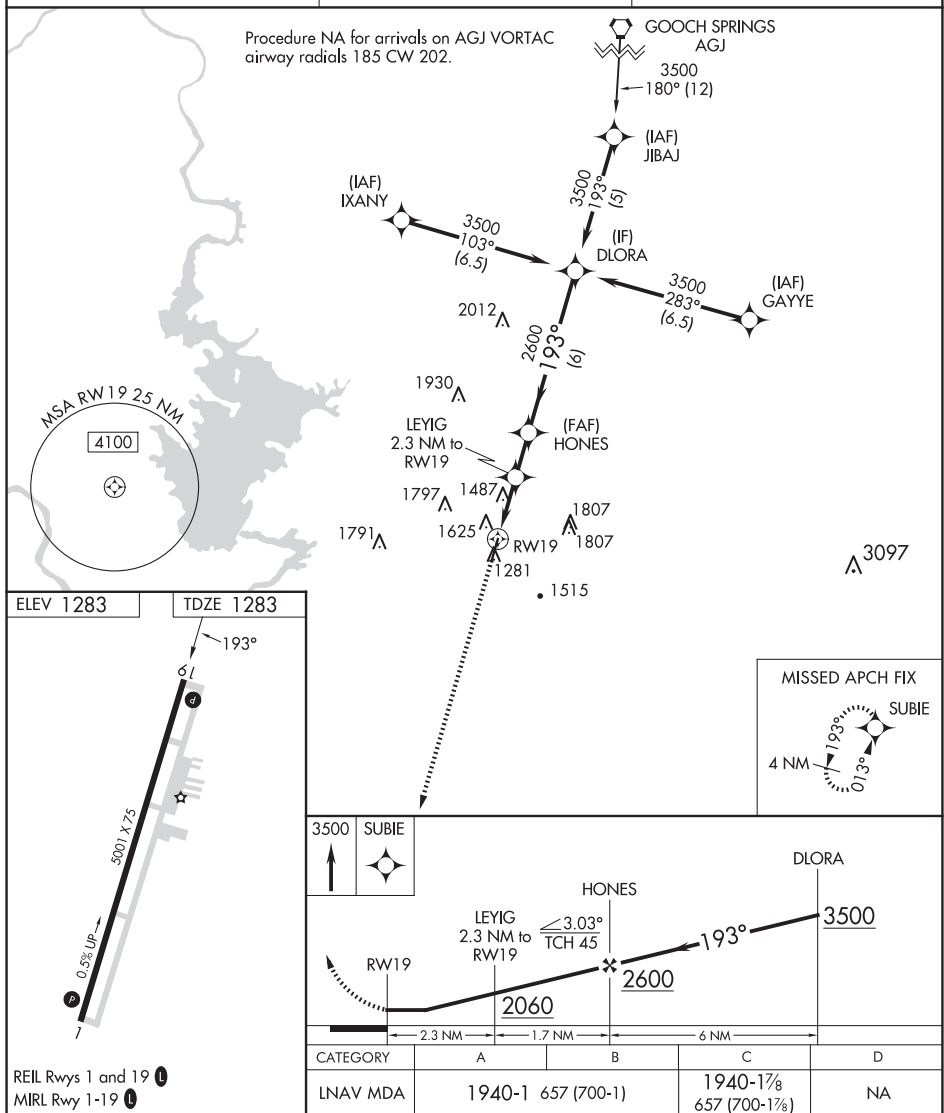
<div><div>SUBIE</div><div>3100</div><div>013°</div><div>2600</div><div>6 NM</div><div>2 NM</div><div>1 NM</div><div>1 NM</div></div> <div><div>FINTI</div><div>3.04° TCH 45</div><div>HUKUD 1 NM to BEPKY</div><div>BEPKY</div><div>1940</div></div> <div><div>3500</div><div>DLORA</div></div>					<div><div>5001 X 75</div><div>0.5% UP</div><div>P</div><div>013°</div><div>REIL Rwys 1 and 19</div><div>MIRL Rwy 1-19</div></div>	
CATEGORY	A	B	C	D		
LNAV MDA	1660-1¼ 391 (400-1¼)			NA		

RNAV (GPS) RWY 19

BURNET MUNI/KATE CRADDOCK FLD (BMQ)

MISSED APPROACH: Climb to 3500 direct SUBIE and hold.

UNICOM
122.8 (CTAF) **L**



RNAV (GPS) RWY 19

SC-3, 12 JUN 2025 to 07 AUG 2025

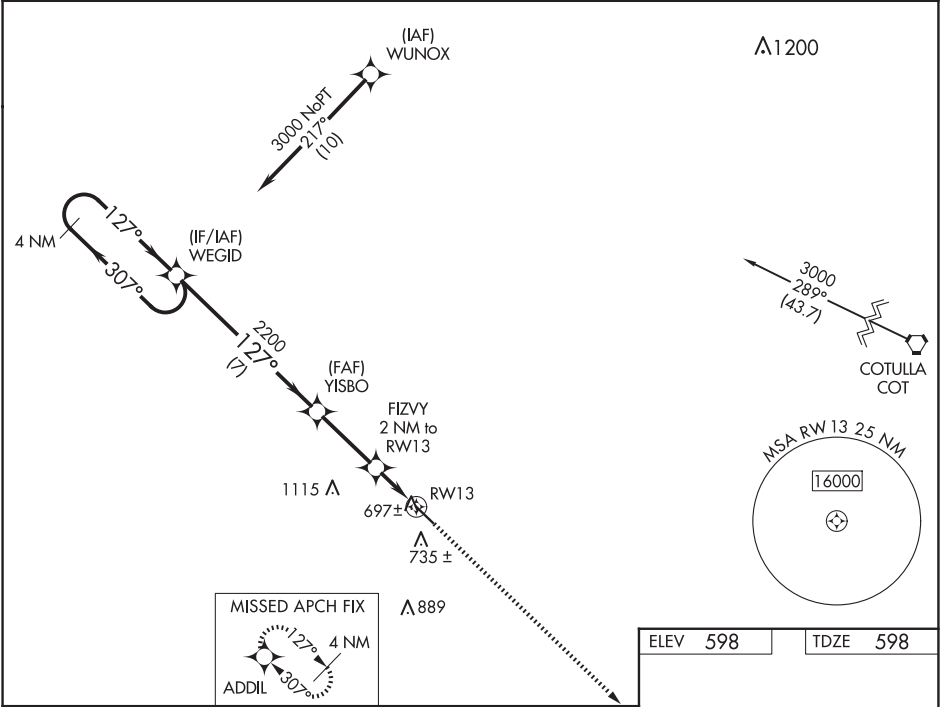
WAAS CH 82133 W13A	APP CRS 127°	Rwy Idg TDZE 598 Apt Elev 598	5003
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RNAV (GPS) RWY 13
DIMMIT COUNTY (CZT)

Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Cotulla altimeter setting; when not received use Uvalde altimeter setting and increase all DA 52 feet, all MDA 60 feet and increase LPV all Cats, LNAV/VNAV all Cats, and Circling Cat C visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH:
Climb to 3000 direct ADDIL and hold.

AWOS-3 119.625	COT ASOS 118.325	HOUSTON CENTER 127.8 307.2	UNICOM 122.8 (CTAF)
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4 NM Holding Pattern		WEGID		YISBO		FIZVY 2 NM to RW13		RW13	
3000		307° 127°		127°		2200		*1260	
GP 3.00° TCH 40				7 NM		2.9 NM		2 NM	
CATEGORY	A	B	C	D					
LPV DA	940-1½	342 (400-1½)		NA					
LNAV/VNAV DA	940-1½	342 (400-1½)		NA					
LNAV MDA	1040-1	442 (500-1)	1040-1½ 442 (500-1½)	NA					
CIRCLING	1160-1 562 (600-1)	1240-1 642 (700-1)	1500-2¾ 902 (1000-2¾)	NA					

ELEV **598** TDZE **598**

127° to RWY 13

5003 x .75

0.3% UP

MIRL Rwy 13-31

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS

CH **86838**

W16A

APP CRS

157°

Rwy Idg

5001

TDZE

774

Apt Elev

774

RNAV (GPS) RWY 16

CASTROVILLE MUNI (CVB)

⚠

DME/DME RNP-0.3 NA. When local alimeter setting not received, use Lackland AFB (Kelly FLD Annex) alimeter setting: increase all MDA 60 feet, increase all Cat C visibilities ¼ mile. Helicopter visibility reduction below 1 SM NA. Night landing: Rwy 16 NA.

MISSED APPROACH: Climb to 3000 direct SHEOL and hold.

AWOS-3 119.25	SAN ANTONIO APP CON 118.05 353.5	UNICOM 122.8 (CTAF) 0
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ELEV 774		TDZE 774		
157°		MISSED APCH FIX		
91		SHEOL		
34		4 NM		
JEDOL		FIMUL		
3000		3000		
157°		SHEOL		
2000		3.00° TCH 40		
1540		POCPO 2.3 NM to RW16		
5 NM		RW16		
1.4 NM		2.3 NM		
CATEGORY	A	B	C	D
LP MDA	1200-1	426 (500-1)	1200-1¼ 426 (500-1¼)	NA
LNAV MDA	1240-1	466 (500-1)	1240-1⅝ 466 (500-1⅝)	NA
CIRCLING	1240-1 466 (500-1)	1380-1 606 (700-1)	1580-2¼ 806 (900-2¼)	NA

CASTROVILLE, TEXAS

CASTROVILLE MUNI (CVB)

Amtd 1A 04FEB16

29°21'N-98°51'W

RNAV (GPS) RWY 16

91

CASTROVILLE, TEXAS

AL-6552 (FAA)

22363

WAAS CH 50139 W34A	APP CRS 337°	Rwy Idg TDZE 769 Apt Elev 774	5001 769 774
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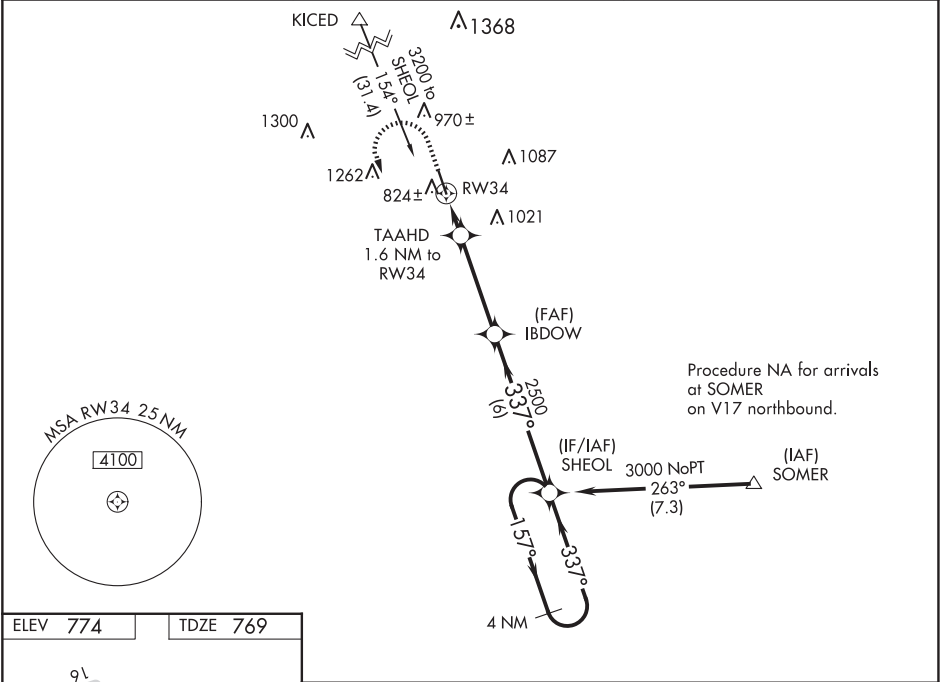
RNAV (GPS) RWY 34

CASTROVILLE MUNI (CVB)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Lackland AFB (Kelly Fld Annex) altimeter setting: increase all DA/MDA 60 feet and all visibilities ¼ mile. Helicopter visibility reduction below ¾ SM NA. Night landing: Rwy 16 NA.

MISSED APPROACH: Climb to 1300 then climbing left turn to 3000 direct SHEOL and hold.

AWOS-3 119.25	SAN ANTONIO APP CON 118.05 353.5	UNICOM 122.8 (CTAF) 0
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MRL Rwy 16-34

1300

↑

3000

↶

SHEOL

✳

*LNAV only.

TAAHD 1.6 NM to RW34

RW34

IBDOW 2500

SHEOL 4 NM Holding Pattern

157°

337°

3000

GP 3.00°

TCH 40

1.6 NM

3.7 NM

6 NM

CATEGORY	A	B	C	D
LPV DA	1019-7/8 250 (300-7/8)			NA
LNAV/VNAV DA	1127-1¼ 358 (400-1¼)			NA
LNAV MDA	1200-1 431 (500-1)	1200-1½ 431 (500-1½)		NA
CIRCLING	1200-1 426 (500-1)	1380-1 606 (700-1)	1580-2¼ 806 (900-2¼)	NA

CASTROVILLE, TEXAS

Amcl 1 15OCT15

29°21'N-98°51'W

CASTROVILLE MUNI (CVB)

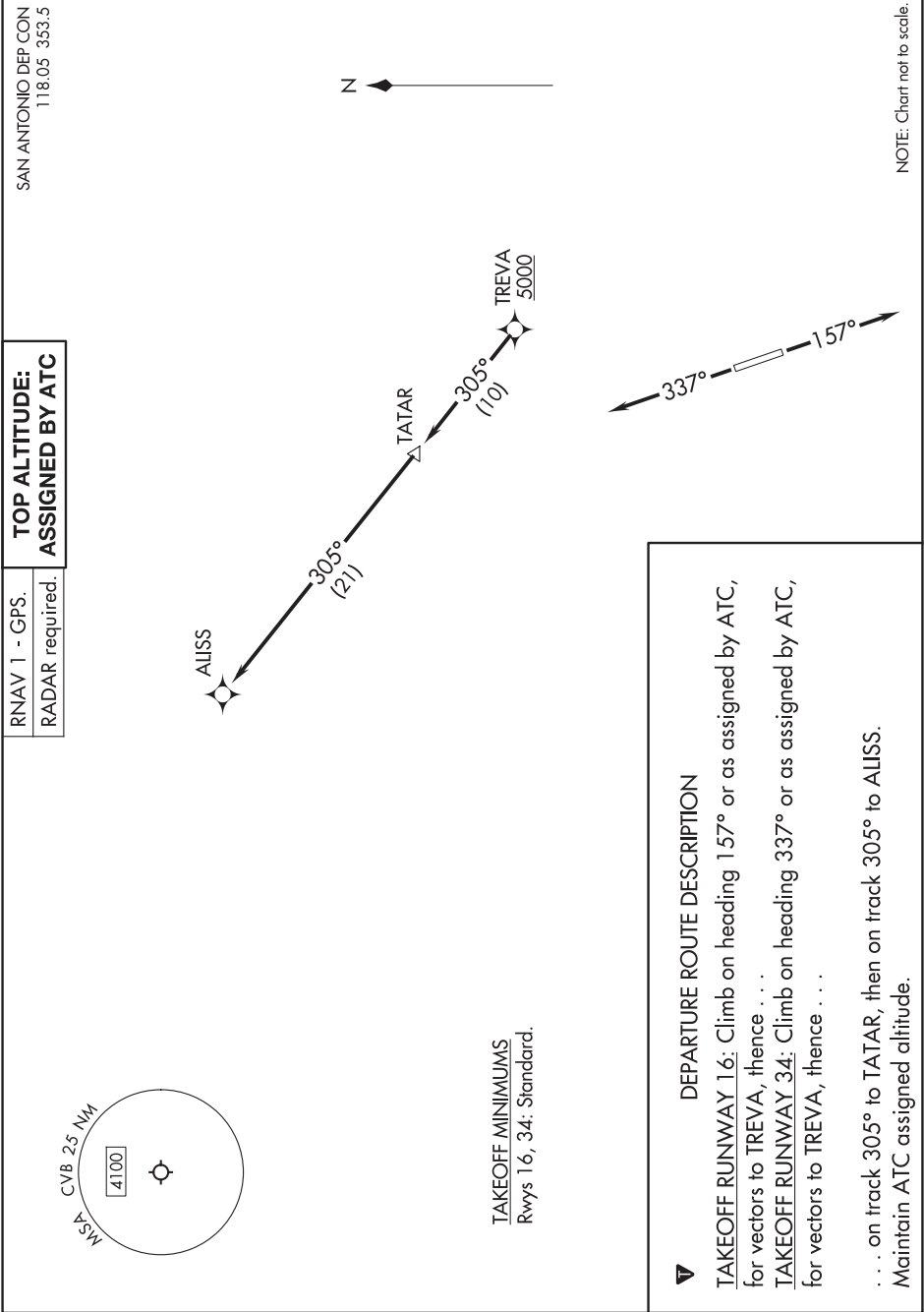
RNAV (GPS) RWY 34

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ALISS SIX DEPARTURE (RNAV)

SC-3, 12 JUN 2025 to 07 AUG 2025

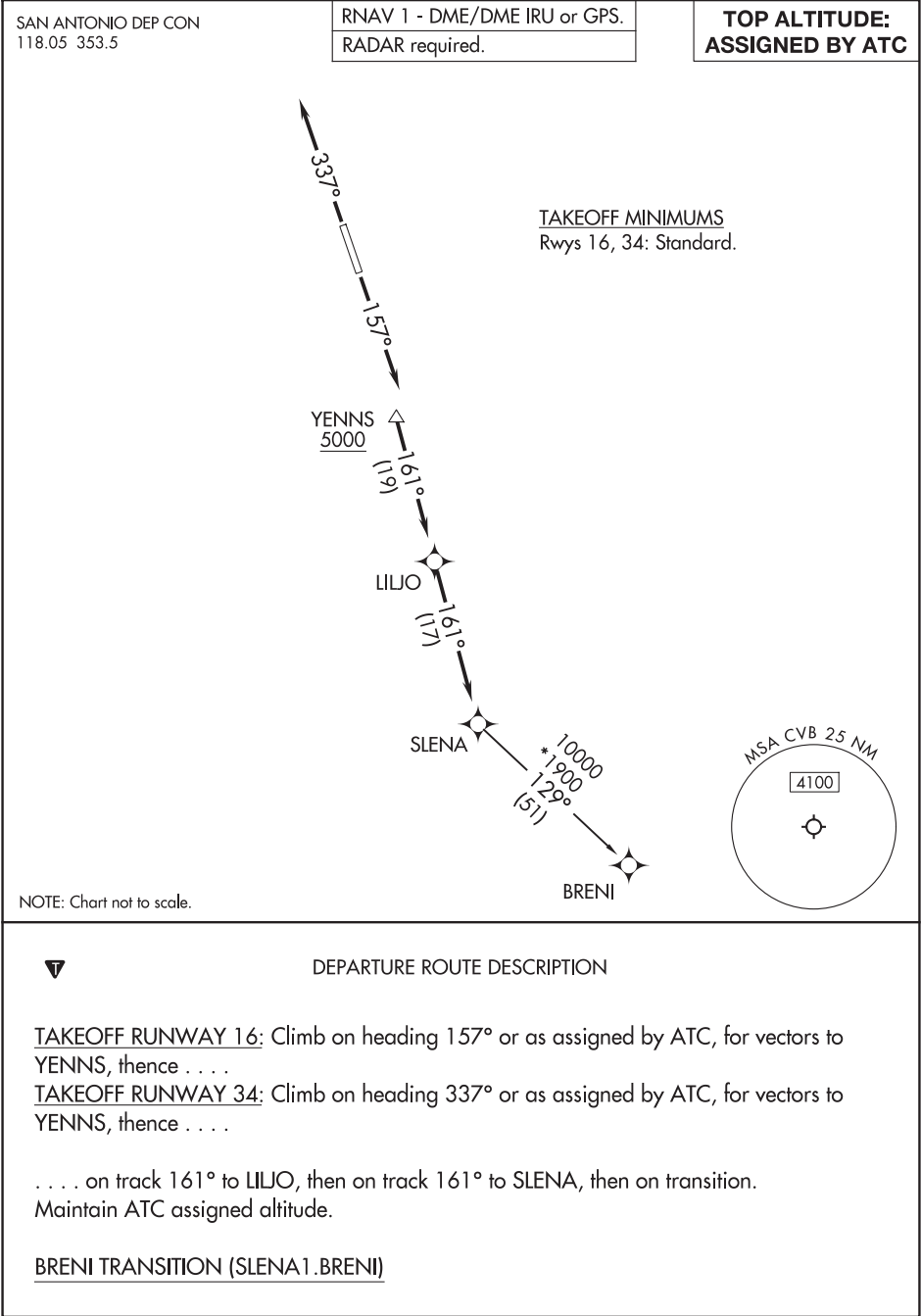


(SLENA1.SLENA) 24025

AL-6552 (FAA)

CASTROVILLE MUNI (CVB)
CASTROVILLE, TEXAS

SLENA ONE DEPARTURE (RNAV)



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SAN ANTONIO DEP CON
118.05 353.5

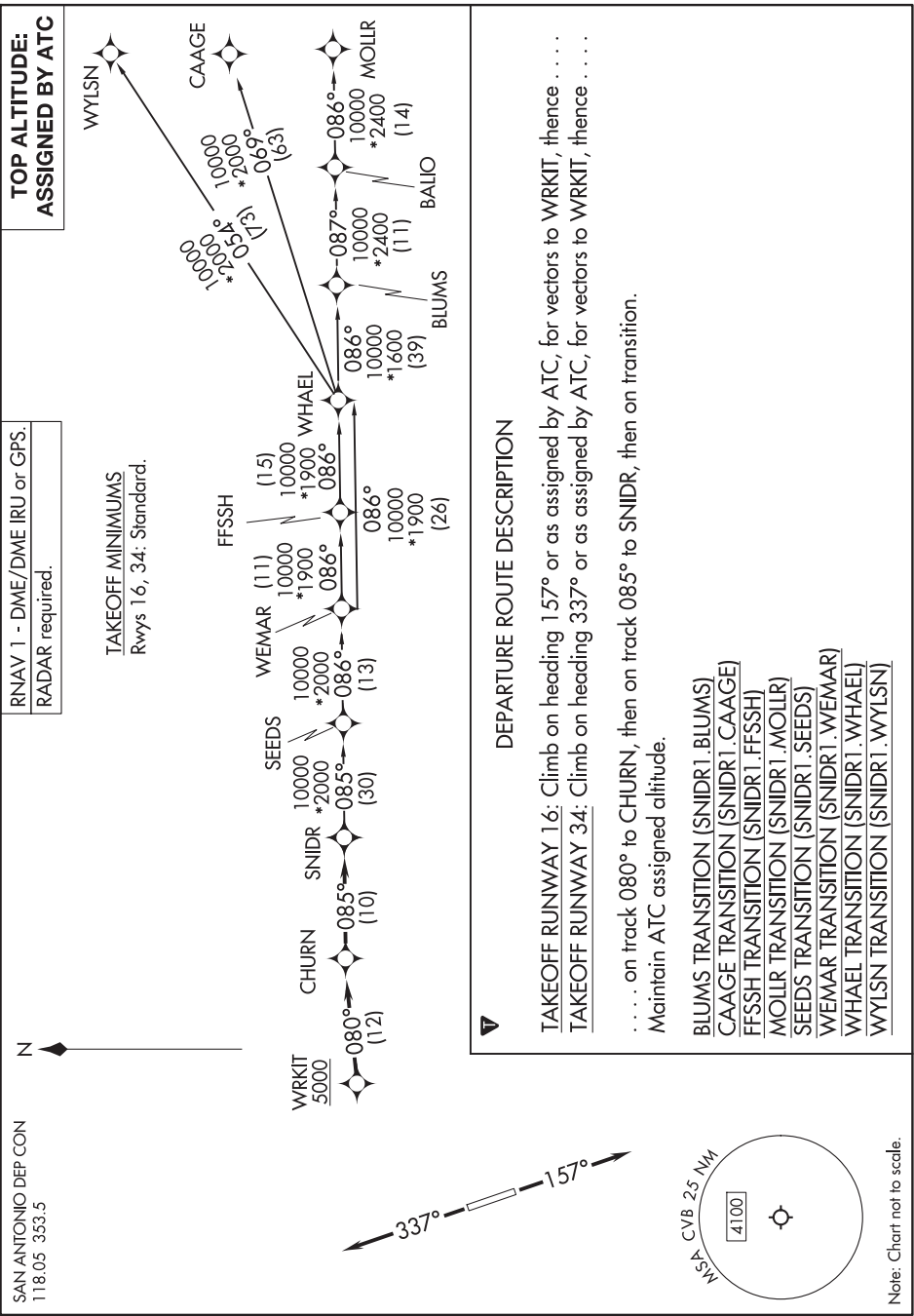
RNAV 1 - DME/DME IRU or GPS.
RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC

SNIDR ONE DEPARTURE (RNAV)
(SNIDR1.SNIDR) 24025

AL-6552 (FAA)

CASTROVILLE MUNI (CVB)
CASTROVILLE, TEXAS



SNIDR ONE DEPARTURE (RNAV)
(SNIDR1.SNIDR) 25JAN24

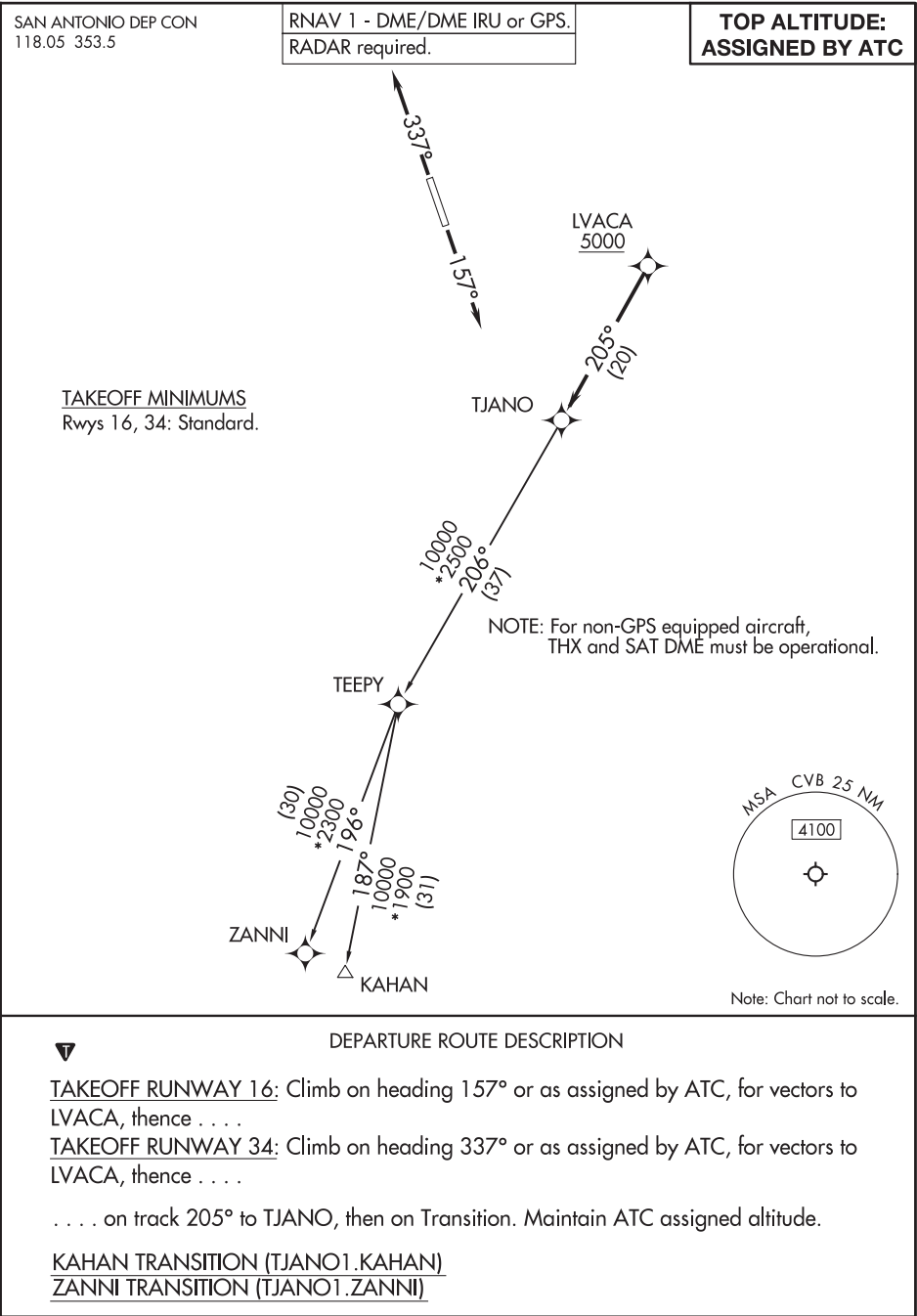
CASTROVILLE, TEXAS
CASTROVILLE MUNI (CVB)

(TJANO1.TJANO) 24025

AL-6552 (FAA)

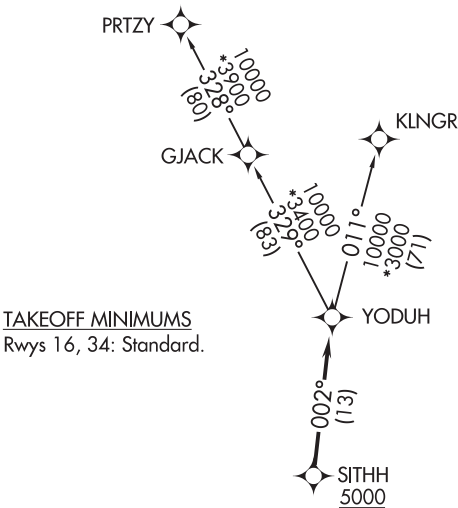
CASTROVILLE MUNI (CVB)
CASTROVILLE, TEXAS

TJANO ONE DEPARTURE (RNAV)

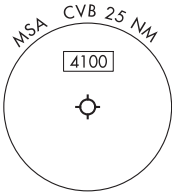


RNAV 1 - DME/DME IRU or GPS.	TOP ALTITUDE: ASSIGNED BY ATC
RADAR required.	

SAN ANTONIO DEP CON
118.05 353.5



NOTE: Aircraft destined for airports north/northeast of DFW terminal area must file the KLNGR Transition.



NOTE: Chart not to scale.

▼	DEPARTURE ROUTE DESCRIPTION
<u>TAKEOFF RUNWAY 16:</u> Climb on heading 157° or as assigned by ATC, for vectors to SITHH, thence . . .	
<u>TAKEOFF RUNWAY 34:</u> Climb on heading 337° or as assigned by ATC, for vectors to SITHH, thence . . .	
. . . on track 002° to YODUH, then on Transition. Maintain ATC assigned altitude.	
<u>KLNGR TRANSITION (YODUH1.KLNGR)</u>	
<u>PRTZY TRANSITION (YODUH1.PRTZY)</u>	

COLEMAN, TEXAS

AL-881 (FAA)

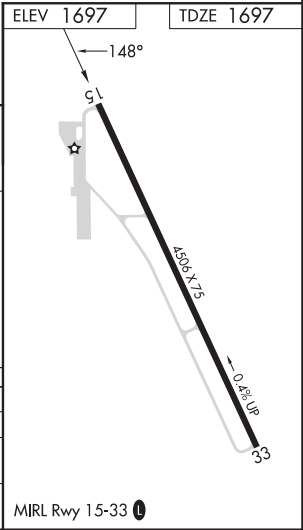
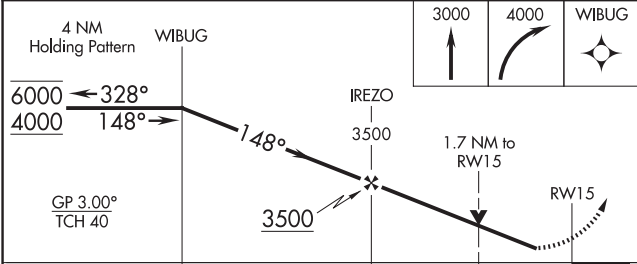
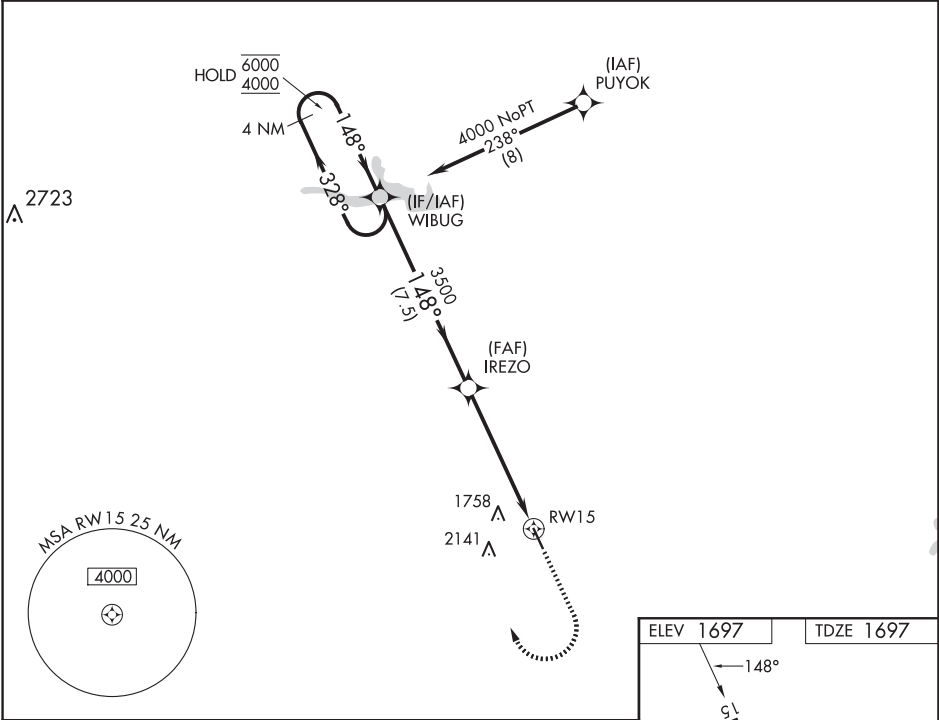
24025

WAAS CH 86529 W15A	APP CRS 148°	Rwy Idg 4506 TDZE 1697 Apt Elev 1697
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RNAV (GPS) RWY 15
COLEMAN MUNI (COM)

RNP APCH - GPS. <div><div></div><div>Rwy 15 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.</div></div>	MISSED APPROACH: Climb to 3000 then climbing right turn to 4000 direct WIBUG and hold.
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AWOS-3PT 119.1	FORT WORTH CENTER 127.45 290.3	UNICOM 122.8 (CTAF) 0
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CATEGORY	A	B	C	D
LPV DA	1947-¾	250 (300-¾)		NA
LNAV/VNAV DA	2238-1⅝	541 (600-1⅝)		NA
LNAV MDA	2280-1	583 (600-1)	2280-1¾ 583 (600-1¾)	NA

COLEMAN, TEXAS
Amdt 1B 19MAY22

31°50'N-99°24'W

COLEMAN MUNI (COM)
RNAV (GPS) RWY 15

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

COLEMAN, TEXAS

AL-881 (FAA)

24025

WAAS CH 82034 W33A	APP CRS 328°	Rwy Idg 4506 TDZE 1689 Apt Elev 1697
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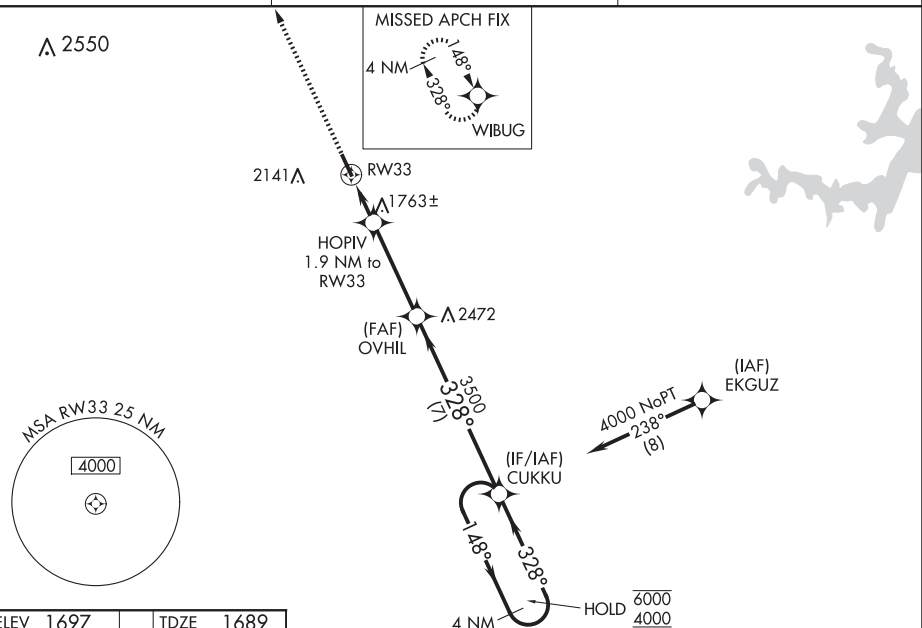
RNAV (GPS) RWY 33
COLEMAN MUNI (COM)

RNP APCH.

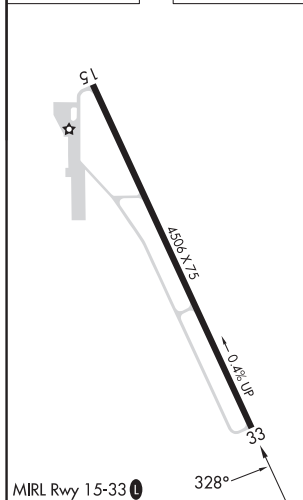
- T** Rwy 33 helicopter visibility reduction below $\frac{3}{4}$ SM NA.
A For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.

MISSED APPROACH: Climb to 4000 direct WIBUG and hold.

AWOS-3PT 119.1	FORT WORTH CENTER 127.45 290.3	UNICOM 122.8 (CTAF) 0
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ELEV 1697		TDZE 1689
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***LNAV only.**

HOPIV
1.9 NM to RW33

*1 NM to RW33

RW33

OVHIL
3500

CUKKU

4 NM Holding Pattern

148° → 6000
← 328° 4000

GP 3.00°
TCH 40

CATEGORY	A	B	C	D
LPV DA	1939-¾	250 (300-¾)		NA
LNAV/VNAV DA	1939-¾	250 (300-¾)		NA
LNAV MDA	2040-1	351 (400-1)		NA
CIRCLING	2300-1 603 (700-1)	2460-1 763 (800-1)	2460-2¼ 763 (800-2¼)	NA

COLEMAN, TEXAS

Amdt 1 10OCT19

COLEMAN MUNI (COM)

31°50'N-99°24'W

RNAV (GPS) RWY 33

99

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

COMANCHE, TEXAS

AL-10216 (FAA)

23278

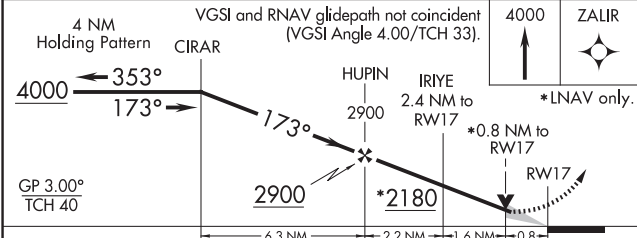
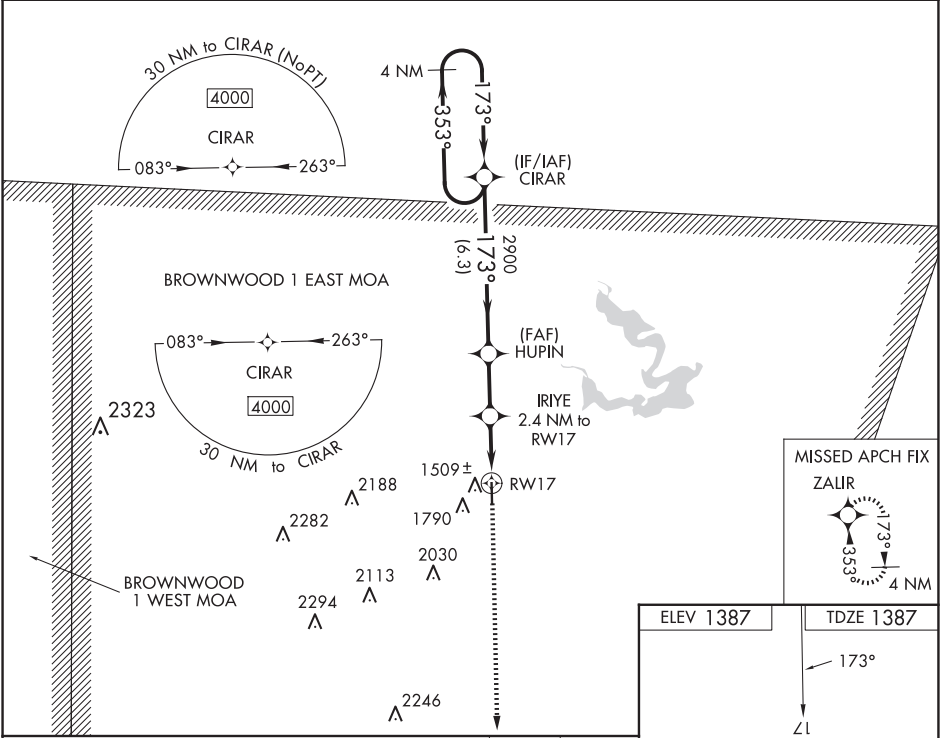
WAAS CH 97436 W17A	APP CRS 173°	Rwy Idg TDZE 1387 Apt Elev 1387	4497
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RNAV (GPS) RWY 17
COMANCHE COUNTY-CITY (MKN)

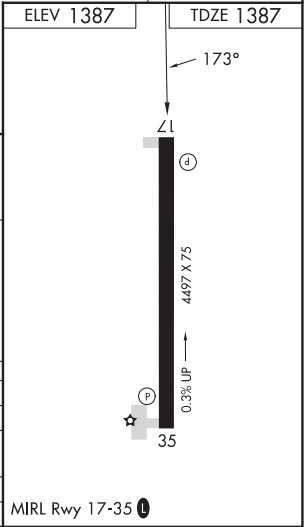
⚠ Night landing: Rwy 35 NA. DME/DME RNP-0.3 NA. When local altimeter setting is not received, use Brownwood altimeter setting: increase all DA 46 feet and all MDA 60 feet, increase LNAV/VNAV visibility all Cats 1/8 mile. Baro-VNAV and VDP NA when using Brownwood altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F).

⚠ MISSED APPROACH: Climb to 4000 direct ZAIR and hold.

AWOS-3 118.575	FORT WORTH CENTER 127.15 314.0	UNICOM 123.075 (CTAF) 0
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CATEGORY	A	B	C	D
LPV DA	1637-1	250 (300-1)		NA
LNAV/VNAV DA	1686-1	299 (300-1)		NA
LNAV MDA	1760-1	373 (400-1)		NA
C CIRCLING	2100-1	713 (800-1)		NA



COMANCHE, TEXAS
Amdt 1A 23JUN16

31°55'N-98°36'W

COMANCHE COUNTY-CITY (MKN)
RNAV (GPS) RWY 17

SC-3, 12 JUN 2025 to 07 AUG 2025

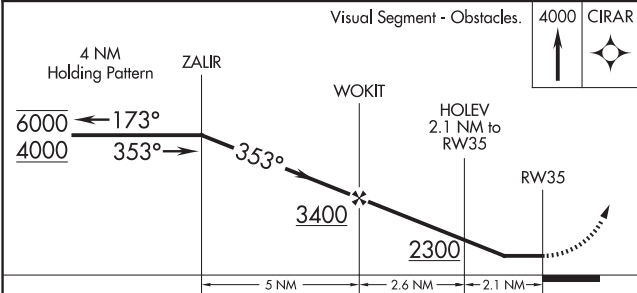
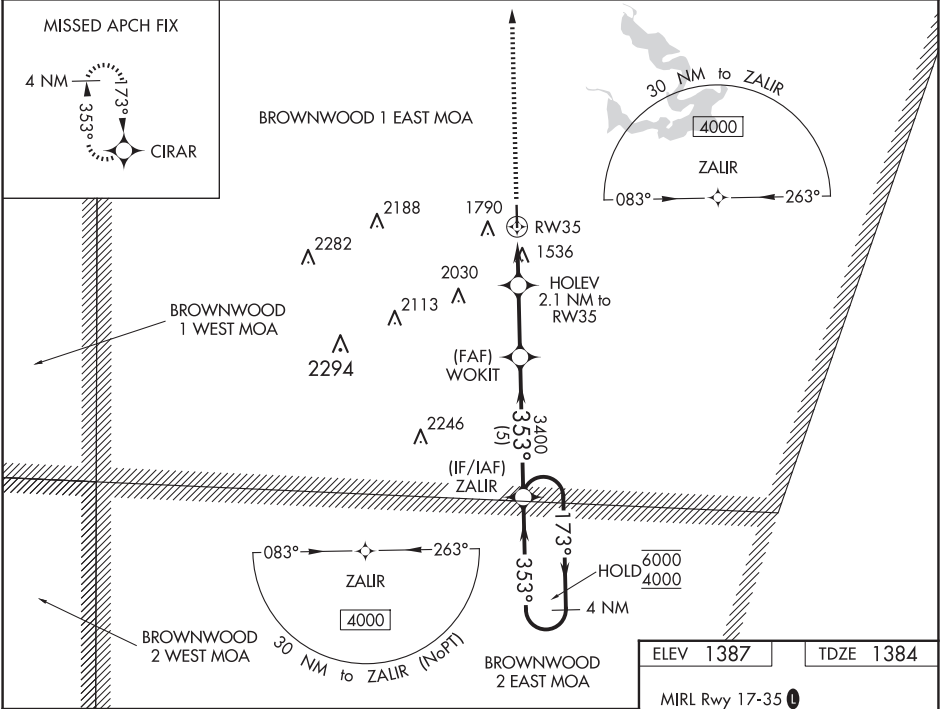
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 61136 W35A	APP CRS 353°	Rwy Idg TDZE 1384 Apt Elev 1387
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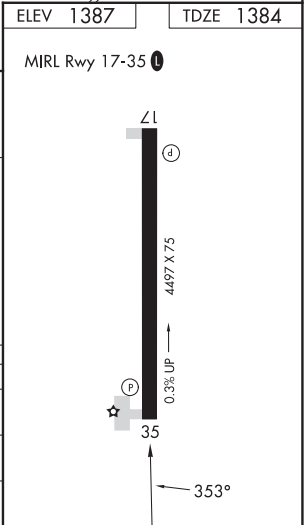
RNAV (GPS) RWY 35
COMANCHE COUNTY-CITY (MKN)

RNP APCH. ▼ Rwy 35 helicopter visibility reduction below 1 SM NA. ▲ Rwy 35 Straight-In and Circling minimums NA at night. When local altimeter setting not received, use Brownwood altimeter setting and increase all MDA 60 feet.	MISSED APPROACH: Climb to 4000 direct CIRAR and hold.
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AWOS-3 118.575	FORT WORTH CENTER 127.15 314.0	UNICOM 123.075 (CTAF) 0
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CATEGORY	A	B	C	D
LP MDA	1840-1	456 (500-1)	NA	NA
LNAV MDA	1840-1	456 (500-1)	NA	NA
CIRCLING	2100-1	713 (800-1)	NA	NA



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

CORPUS CHRISTI, TEXAS

AL-5032 (FAA)

23306

LOC/DME I-CRP	APP CRS	Rwy Idg	7510
110.3	132°	TDZE	46
Chan 40		Apt Elev	46

ILS or LOC RWY 13

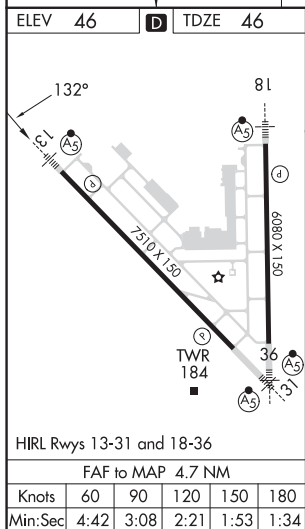
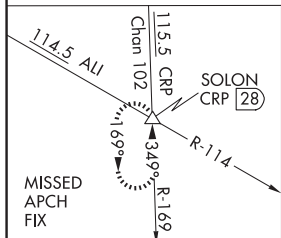
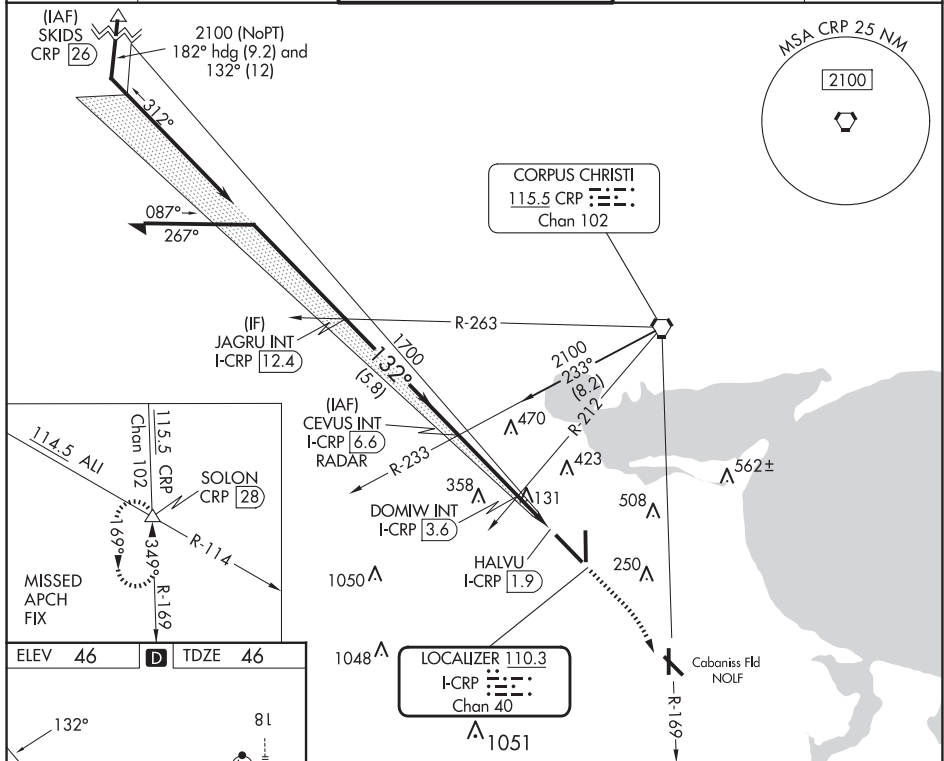
CORPUS CHRISTI INTL (CRP)

▼ Autopilot coupled approach NA below 260.
▲ For inop ALS, increase S-ILS 13 Cat E visibility to RVR 4000 and S-LOC 13 Cats C, D, and E visibility to RVR 5500.
*RVR 1800 authorized with use of FD or AP or HUD to DA.



MISSED APPROACH: Climb to 500 then climbing right turn to 2000 on heading 132° and CRP VORTAC R-169 to SOLON INT/CRP VORTAC 28 DME and hold.

ATIS	CORPUS APP CON	CORPUS TOWER	GND CON	CLNC DEL
126.8	120.9 348.725	119.4 257.8	121.9 269.15	118.55



Remain within 15 NM		CEVUS INT I-CRP 6.6 RADAR		500	2000	SOLON
				↑	hdg 132° CRP R-169	△
2100	312°	1700	DOMIW INT I-CRP 3.6	I-CRP 2.5	HALVU I-CRP 1.9	
GS 3.00° TCH 50	132°	1700	720			
Use I-CRP DME when on the localizer course.		3 NM		1.1	0.6	0.3
CATEGORY	A	B	C	D	E	
S-ILS 13*	246/24 200 (200-½)					
S-LOC 13	400/24	354 (400-½)	400/30	354 (400-¾)		
CIRCLING	500-1 454 (500-1)	780-1 734 (800-1)	820-2¼ 774 (800-2¼)	820-2½ 774 (800-2½)	820-2¾ 774 (800-2¾)	

CORPUS CHRISTI, TEXAS
Amdt 28B 02NOV23

27°46'N-97°30'W

CORPUS CHRISTI INTL (CRP)

ILS or LOC RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

LOC/DME I-OYC <u>109.5</u> Chan 32	APP CRS 355°	Rwy Idg 6080 TDZE 40 Apt Elev 46
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ILS or LOC RWY 36
CORPUS CHRISTI INTL (CRP)

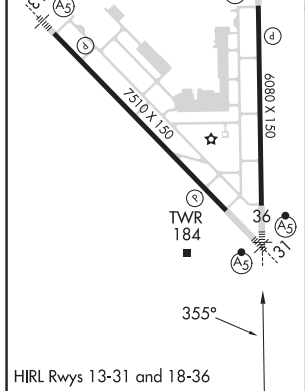
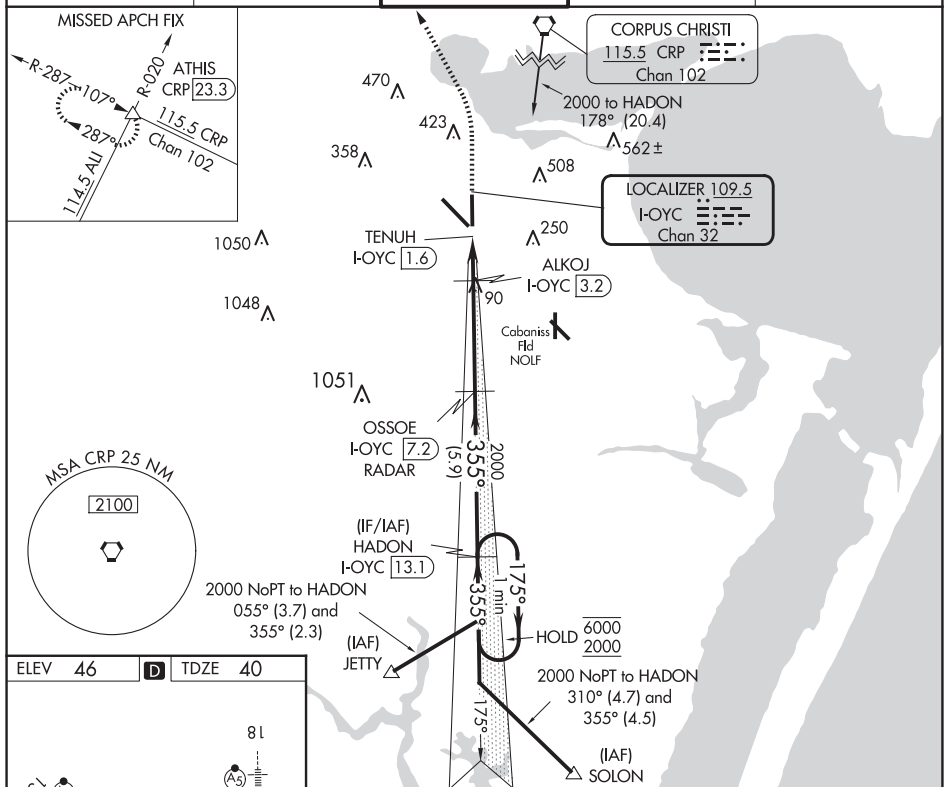
DME required.

T For inop ALS, increase S-ILS 36 Cat E visibility to RVR 4000 and S-LOC 36 Cat C/D/E visibility to RVR 4500.



MISSED APPROACH: Climb to 700 then climbing left turn to 2000 on heading 338° and CRP VORTAC R-287 to ATHIS INT/CRP 23.3 DME and hold.

ATIS 126.8	CORPUS APP CON 120.9 348.725	CORPUS TOWER 119.4 257.8	GND CON 121.9 269.15	CLNC DEL 118.55
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700 ↑	2000 hdg 338°	CRP R-287	ATHIS △	ILS unusable inside DA. LOC unusable within 1.6 DME.				
				OSSOE I-OYC <u>7.2</u> RADAR	HADON I-OYC <u>13.1</u>		One Minute Holding Pattern	
<p>Diagram details: The diagram shows a 355° approach path from 6000 feet MSL to a 175° departure path. Key features include: a 0.4 NM segment from the start to the 1.6 NM point; a 1.6 NM segment to the TENUH I-OYC (1.6) and ALKOJ I-OYC (3.2); a 4 NM segment to the 2000 MSL altitude; and a 5.9 NM segment to the 2000 MSL altitude. The diagram also shows the 720 MSL altitude and the 355° and 175° headings. The diagram is labeled with 'GS 3.00°' and 'TCH 53'.</p>								
CATEGORY	A		B		C	D	E	
S-ILS 36			240/24		200 (200-½)			
S-LOC 36			340/24		300 (300-½)			
CIRCLING	500-1	780-1	820-2¼	820-2½	820-2¾			
	454 (500-1)	734 (800-1)	774 (800-2¼)	774 (800-2½)	774 (800-2¾)			

CORPUS CHRISTI, TEXAS

AL-5032 (FAA)

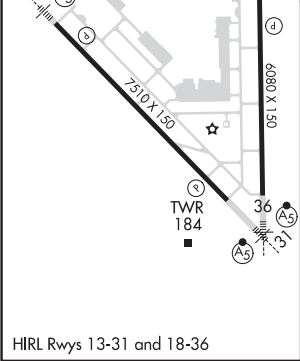
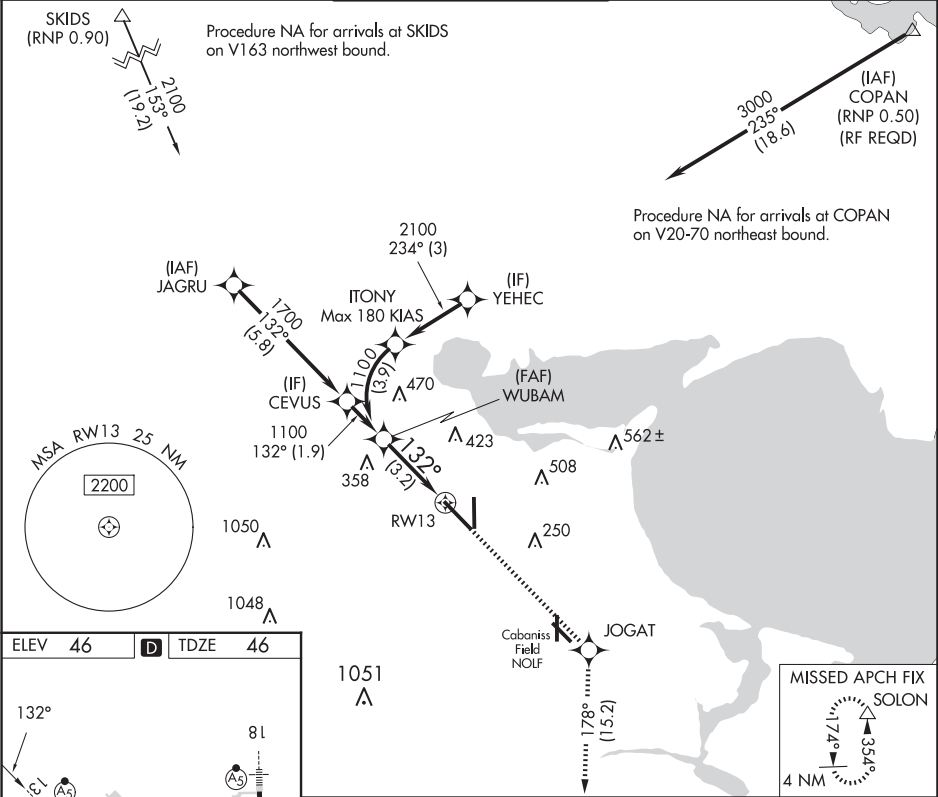
24333

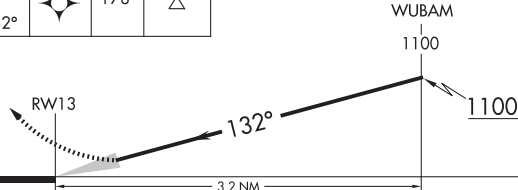
APP CRS	Rwy Idg	7510
132°	TDZE	46
	Apt Elev	46

RNAV (RNP) Z RWY 13

CORPUS CHRISTI INTL (CRP)

<div><div><div></div></div></div> For uncompensated Baro-VNAV systems, procedure NA below -1°C (31°F) or above 54°C (130°F). GPS required.			<div><div><div></div></div><div>MALSR</div></div> <div><div><div></div></div><div>MISSED APPROACH: Climb to 2000 on track 132° to JOGAT and on track 178° to SOLON and hold.</div></div>	
ATIS 126.8	CORPUS APP CON 120.9 348.725	CORPUS TOWER 119.4 257.8	GND CON 121.9 269.15	CLNC DEL 118.55



2000	JOGAT	SOLON	See planview for multiple IF locations.		
↑ tr 132°	✱	tr 178° △			
CATEGORY	A	B	C	D	
RNP 0.30 DA	394/30		348 (400-½)		
AUTHORIZATION REQUIRED					

CORPUS CHRISTI, TEXAS
Amdt 1A 28NOV24

27°46'N-97°30'W

CORPUS CHRISTI INTL (CRP)
RNAV (RNP) Z RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (RNP) Z RWY 36

WAAS CH 53635 W18A	APP CRS 175°	Rwy Idg 6080 TDZE 42 Apt Elev 46
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RNAV (GPS) RWY 18

CORPUS CHRISTI INTL (CRP)

RNP APCH - GPS.

▼

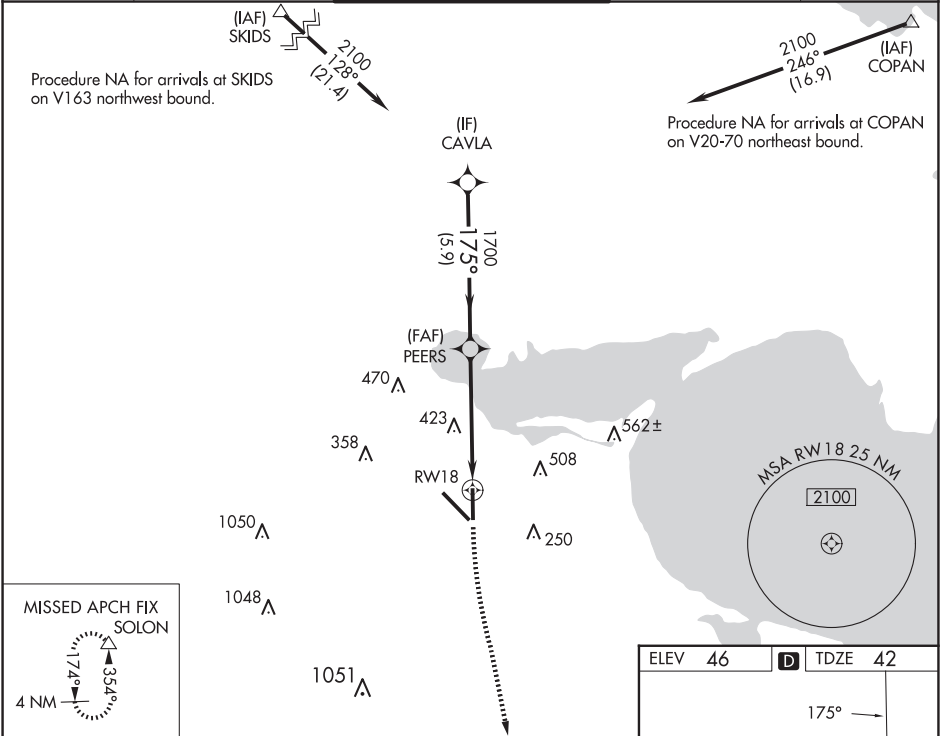
▲

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1°C or above 54°C. For inop ALS, increase LPV Cat E visibility to ¾ SM, all LNAV/VNAV visibilities to ¾ SM, and LNAV Cat C, D, and E visibility to 1¼ SM.

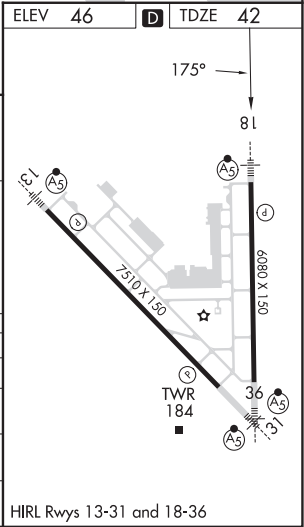
MALSR

MISSED APPROACH: Climb to 500 then climbing left turn to 2000 direct SOLON and hold.

ATIS 126.8	CORPUS APP CON 120.9 348.725	CORPUS TOWER 119.4 257.8	GND CON 121.9 269.15	CLNC DEL 118.55
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CAVLA					
2100					
175°					
GP 3.00° TCH 50					
1700					
5.9 NM					
3.3 NM					
1.8 NM					
CATEGORY	A	B	C	D	E
LPV DA	242-½		200 (200-½)		
LNAV/VNAV DA	345-½		303 (300-½)		
LNAV MDA	660-½ 618 (700-½)		660-1⅓ 618 (700-1⅓)		
CIRCLING	660-1 614 (700-1)	780-1 734 (800-1)	820-2¼ 774 (800-2¼)	820-2½ 774 (800-2½)	820-2¾ 774 (800-2¾)



APP CRS	Rwy Idg	7510
312°	TDZE	43
	Apt Elev	46

RNAV (GPS) X RWY 31
CORPUS CHRISTI INTL (CRP)

T For inop ALS, increase LNAV Cat E visibility to 1³/₈ mile.

MISSED APPROACH: Climb to 2000 direct ATIS and hold.

ATIS 126.8	CORPUS APP CON 120.9 348,725	CORPUS TOWER 119.4 257,8	GND CON 121.9 269,15	CLNC DEL 118.55
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2000 ↑ ATHIS △

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 50).

ZULEX 6 NM Holding Pattern

132° → 3000
← 312° 2000

1.3 NM to RW31 3.4 NM to RW31 3.35° TCH 50

RW31 PINRR JUSTO

1300 1700

1.3 NM 2.1 NM 1.7 NM 7.2 NM

CATEGORY	A	B	C	D	E
LNNAV MDA	500-1½ 457 (500-½)		500-7/8 457 (500-7/8)		
C CIRCLING	500-1 454 (500-1)	780-1 734 (800-1)	820-2¼ 774 (800-2¼)	820-2½ 774 (800-2½)	820-2¾ 774 (800-2¾)

ELEV 46

TDZE 43

81

75'0" X 150

60'0" X 150

TWR 184

312°

36

HIRL Rwy's 13-31 and 18-36

CORPUS CHRISTI, TEXAS
Orig-A 02NOV23

27°46'N-97°30'W

CORPUS CHRISTI INTL (CRP)
RNAV (GPS) X RWY 31

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 97515 W13A	APP CRS 132°	Rwy Idg TDZE Apt Elev	7510 46 46
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RNAV (GPS) Y RWY 13

CORPUS CHRISTI INTL (CRP)

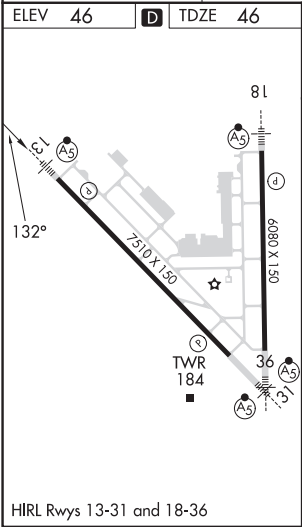
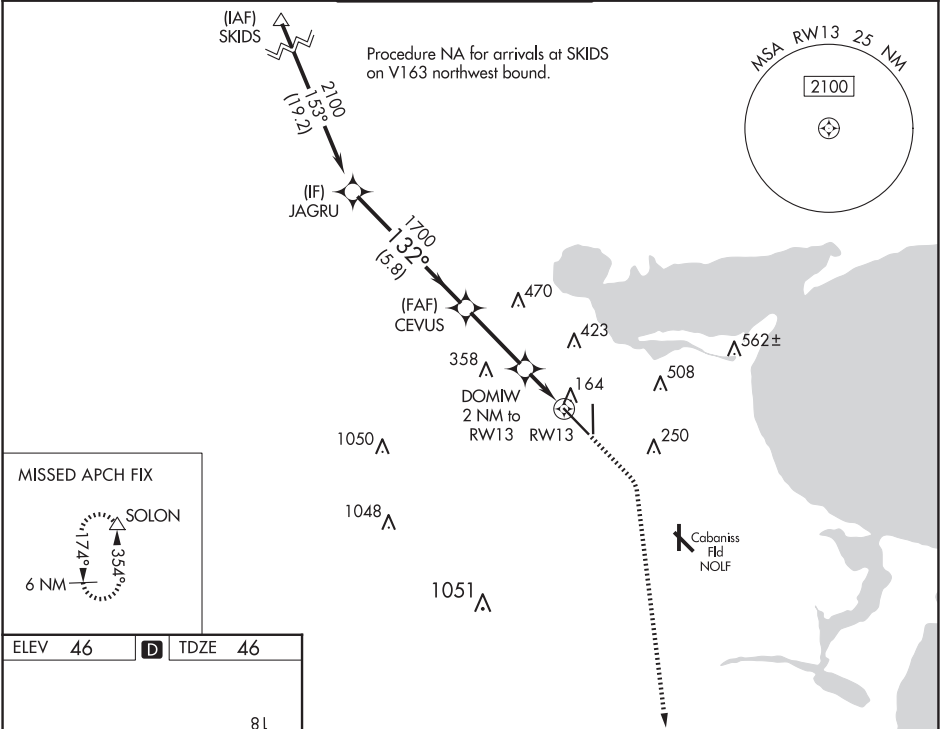
RNP APCH - GPS.

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C. For inop ALS increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 4500, and LNAV Cats C, D, and E visibility to RVR 5500. *RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 500 then climbing right turn to 2000 direct SOLON and hold.

ATIS 126.8	CORPUS APP CON 120.9 348.725	CORPUS TOWER 119.4 257.8	GND CON 121.9 269.15	CLNC DEL 118.55
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					500	2000	SOLON
GP 3.00° TCH 50							
CATEGORY	A		B	C	D	E	
LPV DA *	246/24				200 (200-½)		
LNAV/ VNAV	DA		325/24		279 (300-½)		
LNAV MDA	420/24		374 (400-½)		420/35		374 (400-¾)
CIRCLING	500-1 454 (500-1)	780-1 734 (800-1)	820-2¼ 774 (800-2¼)	820-2½ 774 (800-2½)	820-2¾ 774 (800-2¾)		

WAAS CH 60914 W31A	APP CRS 312°	Rwy Idg 7510 TDZE 43 Apt Elev 46
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RNAV (GPS) Y RWY 31

CORPUS CHRISTI INTL (CRP)

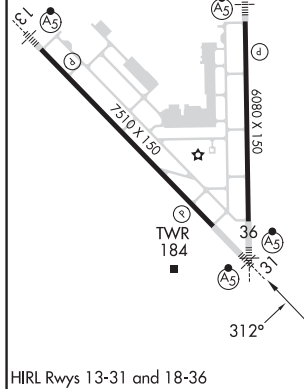
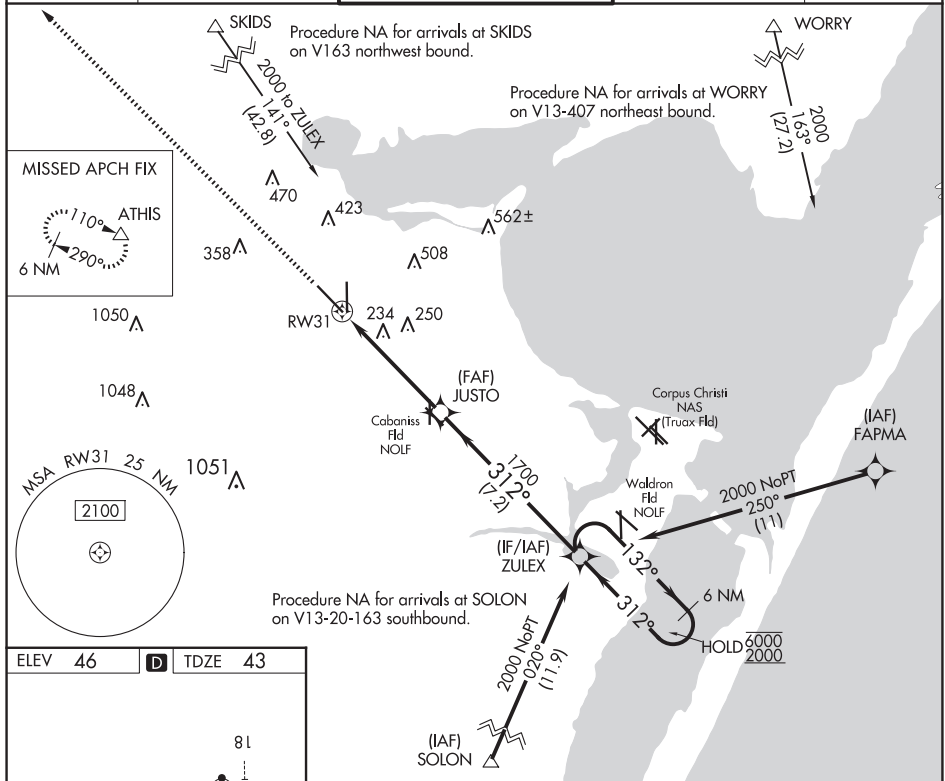
RNP APCH - GPS.

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C.
▲ Procedure NA when Cabaniss Fld traffic patterns active. For inop ALS, increase LPV Cat E visibility to ¾ SM, LNAV/VNAV all Cats visibility to ¾ SM, and LNAV Cat E visibility to 1¾ SM.



MISSED APPROACH:
Climb to 2000 direct
ATHIS and hold.

ATIS 126.8	CORPUS APP CON 120.9 348.725	CORPUS TOWER 119.4 257.8	GND CON 121.9 269.15	CLNC DEL 118.55
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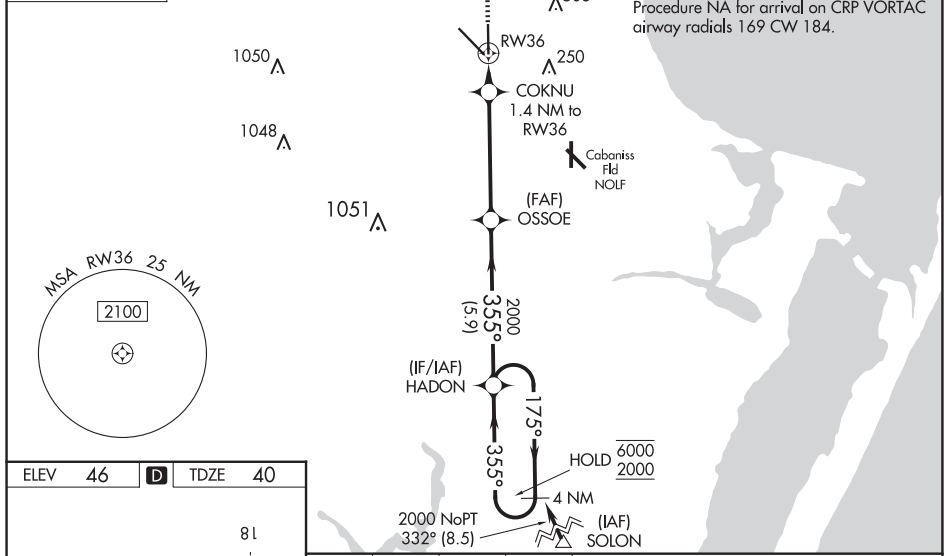


2000 ↑		ATHIS △		JUSTO 1700		ZULEX		6 NM Holding Pattern	
		1.3 NM to RW31		1700		132°→		6000	
		1.3 NM		3.8 NM		← 312°		2000	
		RW31		GP 3.00° TCH 50					
		1.3 NM		3.8 NM		7.2 NM			
CATEGORY		A		B		C		D	
LPV DA				243-½		200 (200-½)			
LNAV/ VNAV DA				356-⅝		313 (400-⅝)			
LNAV MDA		500-½		457 (500-½)		500-⅞		457 (500-⅞)	
CIRCLING		500-1 454 (500-1)		780-1 734 (800-1)		820-2¼ 774 (800-2¼)		820-2½ 774 (800-2½)	
								820-2¾ 774 (800-2¾)	

23306

RNAV (GPS) Y RWY 36
CORPUS CHRISTI INTL (CRP)

MISSED APPROACH: Climb to 2000 direct FEKEL and on track 304° to ATHIS and hold.

[illegible]

RNAV (GPS) Y RWY 36

CORPUS CHRISTI, TEXAS

AL-5032 (FAA)

23306

LOC/DME I-EKI 110.3 Chan 40	APP CRS 312°	Rwy Idg 7510 TDZE 43 Apt Elev 46
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LOC RWY 31

CORPUS CHRISTI INTL (CRP)

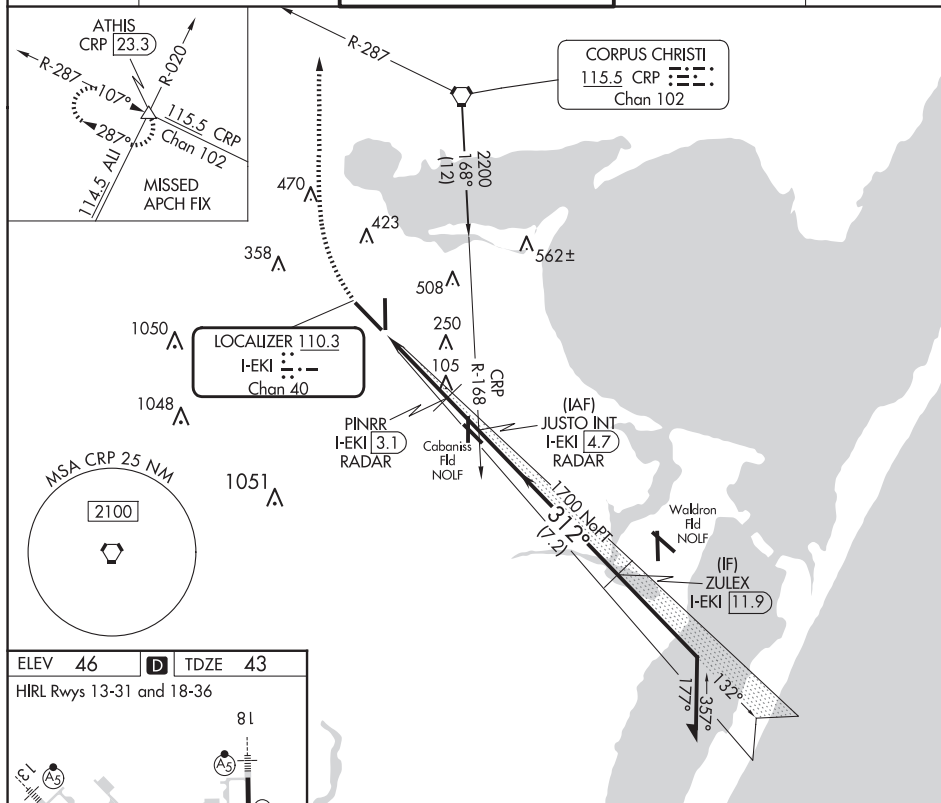
DME or RADAR required.
RADAR required for procedure entry at ZULEX.

For inop ALS, increase S-LOC 31 Cats C, D, and E
visibility to 1 SM.



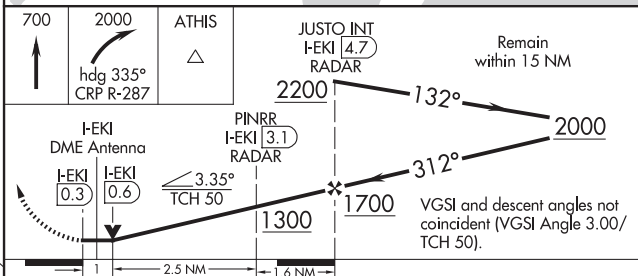
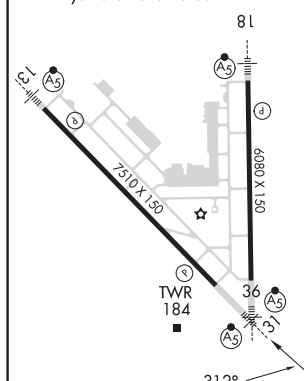
MISSED APPROACH: Climb to 700 then climbing right
turn to 2000 on heading 335° and CRP VORTAC
R-287 to ATHIS INT/CRP VORTAC 23.3 DME and hold.

ATIS 126.8	CORPUS APP CON 120.9 348.725	CORPUS TOWER 119.4 257.8	GND CON 121.9 269.15	CLNC DEL 118.55
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ELEV 46	D	TDZE 43
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HIRL Rwy 13-31 and 18-36



FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42
CATEGORY	A	B	C	D	E
S-31	400-1/2	357 (400-1/2)	400-3/8	357 (400-3/8)	
CIRCLING	500-1 454 (500-1)	780-1 734 (800-1)	820-2 1/4 774 (800-2 1/4)	820-2 1/2 774 (800-2 1/2)	820-2 3/4 774 (800-2 3/4)

CORPUS CHRISTI, TEXAS

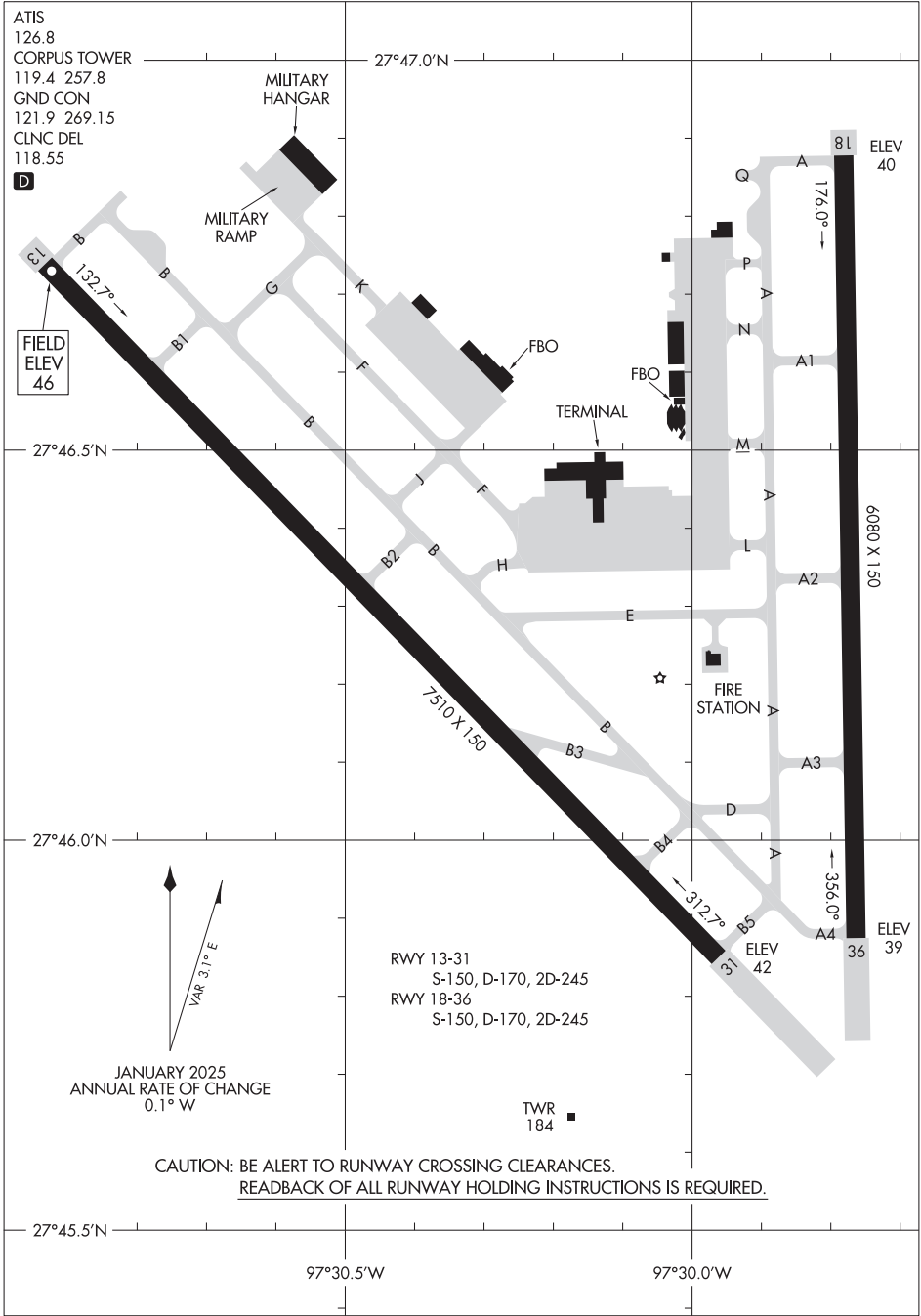
Amdt 9A 02NOV23

CORPUS CHRISTI INTL (CRP)

27°46'N-97°30'W

LOC RWY 31

SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

CORPUS CHRISTI, TEXAS

LOC/DME I-NGP 111.3 Chan 50	APCH CRS 132°	Rwy Idg TDZE Arpt Elev 8001 13 18
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[UNSN]

ILS Z or LOC Z RWY 13R

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

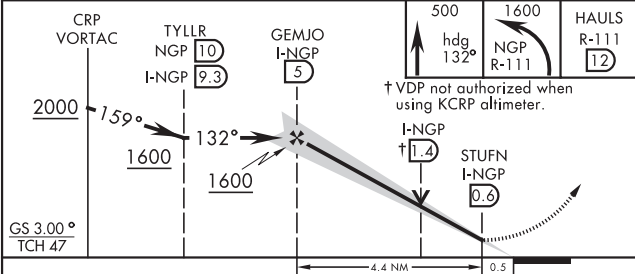
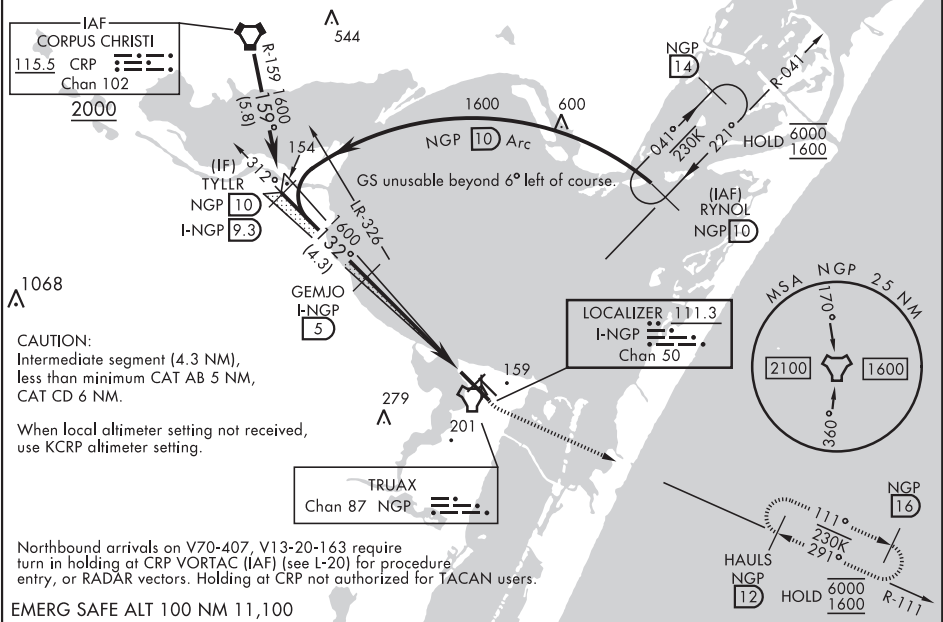
DME required
▼ * When ALS inop, increase CAT AB vis to 1 mile, CAT CD to 1 $\frac{1}{2}$ miles.

SALSF

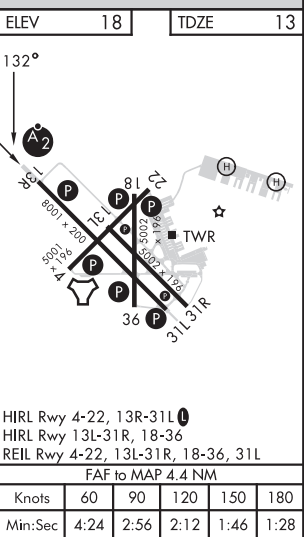


MISSED APPROACH: Climb to 500 hdg 132°, then climbing left turn to 1600 and intercept NGP TACAN R-111 to HAULS and hold. Continue climb-in-hold to 1600.

ATIS★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER★ 134.85 0 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR
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CATEGORY	A	B	C	D
S-ILS 13R	213- $\frac{3}{4}$	200	(200- $\frac{3}{4}$)	
S-LOC 13R*	460- $\frac{3}{4}$ 447 (500- $\frac{3}{4}$)		460-1 447 (500-1)	
C CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1 $\frac{1}{2}$ 502 (600-1 $\frac{1}{2}$)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
S-ILS 13R	246- $\frac{3}{4}$	233	(300- $\frac{3}{4}$)	
S-LOC 13R*	500- $\frac{3}{4}$ 487 (500- $\frac{3}{4}$)		500-1 $\frac{1}{8}$ 487 (500-1 $\frac{1}{8}$)	
C CIRCLING	500-1 482 (500-1)		560-1 $\frac{1}{2}$ 542 (600-1 $\frac{1}{2}$)	620-2 602 (700-2)



CORPUS CHRISTI, TEXAS
Amdt 1 28NOV24

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

ILS Z or LOC Z RWY 13R

LOC I-NGP <u>111.3</u>	APCH CRS 132°	Rwy Idg 8001 TDZE 13 Arpt Elev 18
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CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

SALSF

*When ALS inop, increase CAT AB vis to 1 mile; CAT CD vis to 1 1/8 miles.

ATIS ★
127.9 290.9

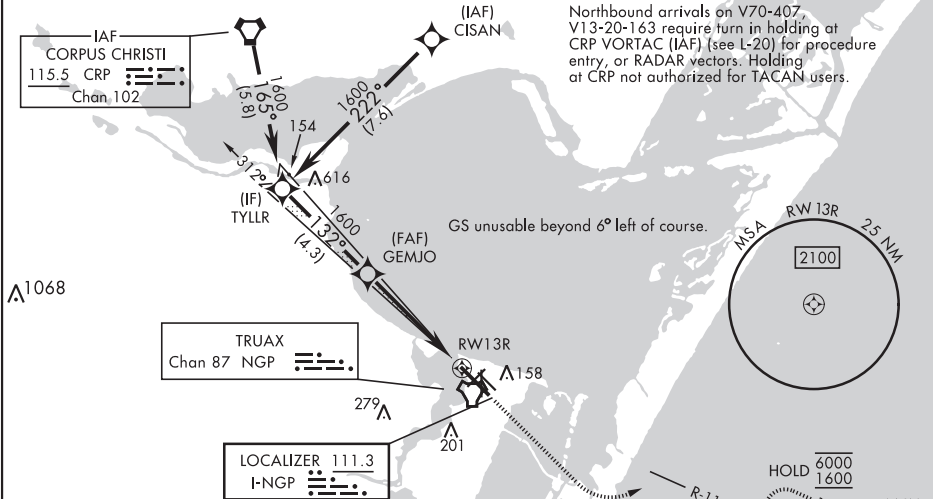
APP CON
128.675 343.75

NAVY CORPUS TOWER ★
134.85 340.2

GND CON	
118.7	257.85

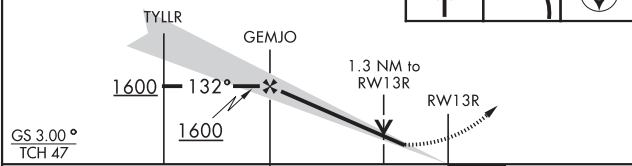
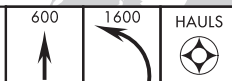
CLNC DEL
314.3ASR/
PAR



When local altimeter setting not received, use Corpus Christi (CRP) Intl altimeter setting.



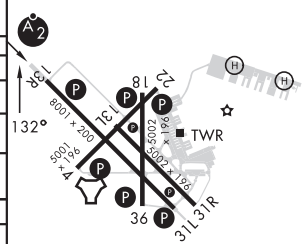
EMERG SAFE ALT 100 NM 11,100

VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting



CATEGORY	A	B	C	D
S-ILS 13R	213-¾	200	(200-¾)	
LNAV MDA*	460-¾ 447 (500-¾)		460-1 447 (500-1)	
 CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTITUDE SETTING				
S-ILS 13R	246-¾	233	(300-¾)	
LNAV MDA*	500-¾ 487 (500-¾)		500-1½ 487 (500-1½)	
 CIRCLING	500-1 482 (500-1)		540-1½ 522 (600-1½)	620-2 602 (700-2)

ELEV	18		TDZE	13
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HIRL Rwy 4-22, 13R-31L **L**
HIRL Rwy 13L-31R, 18-36
REIL Rwy 4-22, 13L-31R, 18-36, 31L

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Orig 30NOV23

ILS Y or RNAV (GPS) RWY 13R

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

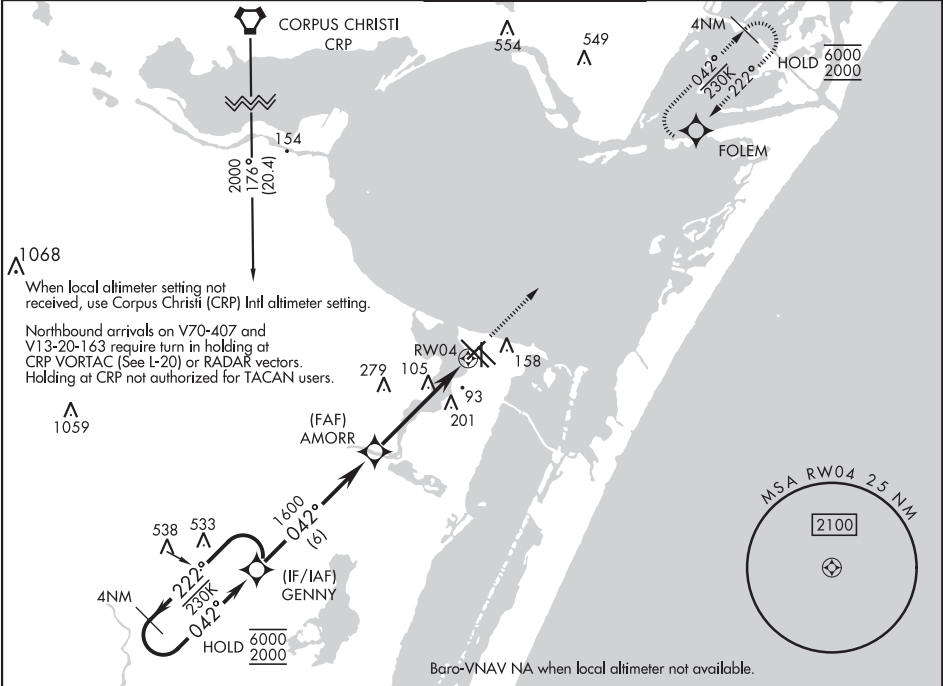
RNAV (GPS) RWY 4

APCH CRS	Rwy Idg	5001
042°	TDZE	17
	Arpt Elev	18

[USN]

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

RNP APCH		MISSED APPROACH: Climb to 2000 direct FOLEM and hold.	
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (129°F)			
ATIS ★	APP CON	NAVY CORPUS TOWER ★	GND CON
127.9 290.9	128.675 343.75	134.85 340.2	118.7 257.85
			CLNC DEL
			314.3
			ASR/ PAR



4 NM Holding Pattern Genny		VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.	
ELEV 18 TDZE 17		2000 FOLEM	
6000 2000 222° 042°		AMORR	
GP 3.00° TCH 50		1600	
		1 NM to RW04	
		RW04	
		4.8 NM	
CATEGORY	A	B	C
LNAV/VNAV DA	267-¾	250	(300-¾)
LNAV MDA	400-1	383 (400-1)	400-1½ 383 (400-1½)
CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½) 580-2 562 (600-2)
CORPUS CHRISTI (CRP) Intl ALTIMETER SETTING			
LNAV MDA	420-1	403 (500-1)	420-1½ 403 (500-1½)
CIRCLING	500-1	482 (500-1)	540-1½ 522 (600-1½) 620-2 602 (700-2)

RNAV (GPS) RWY 4

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

CORPUS CHRISTI, TEXAS

RNAV (GPS) RWY 13L

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

[USN]

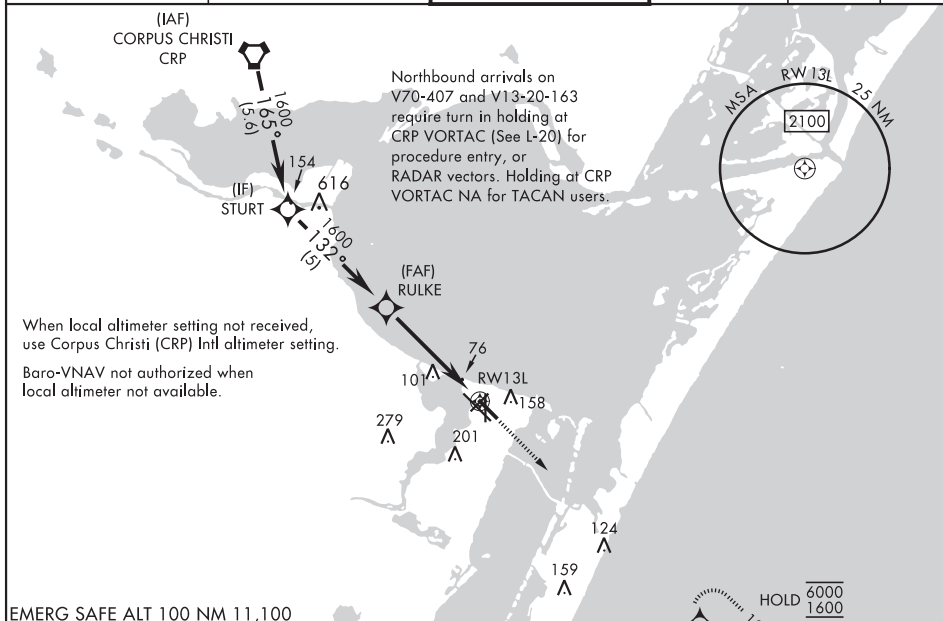
APCH CRS	Rwy Idg	5002
132°	TDZE	18
	Arpt Elev	18

RNP APCH

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15° C (5° F) or above 54° C (129° F).

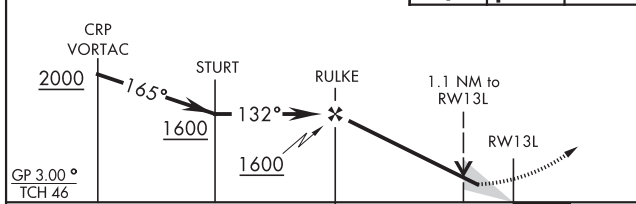
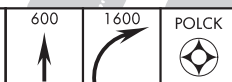
MISSED APPROACH: Climb to 600, then climbing right turn to 1600 direct POLCK and hold.

ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR
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EMERG SAFE ALT 100 NM 11,100

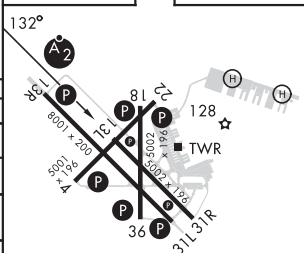
VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.



CATEGORY	A	B	C	D
LNAV/VNAV DA	268-1	250	(300-1)	
LNAV MDA	400-1	382 (400-1)	400-1½	382 (400-1½)
CIRCLING	440-1	480-1	520-1½	580-2
	442 (500-1)	462 (500-1)	502 (600-1½)	562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
LNAV MDA	420-1	402 (500-1)	420-1½	402 (500-1½)
CIRCLING	500-1	482 (500-1)	540-1½	620-2
			522 (600-1½)	602 (700-2)



ELEV	18	TDZE	18
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CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

RNAV (GPS) RWY 13L

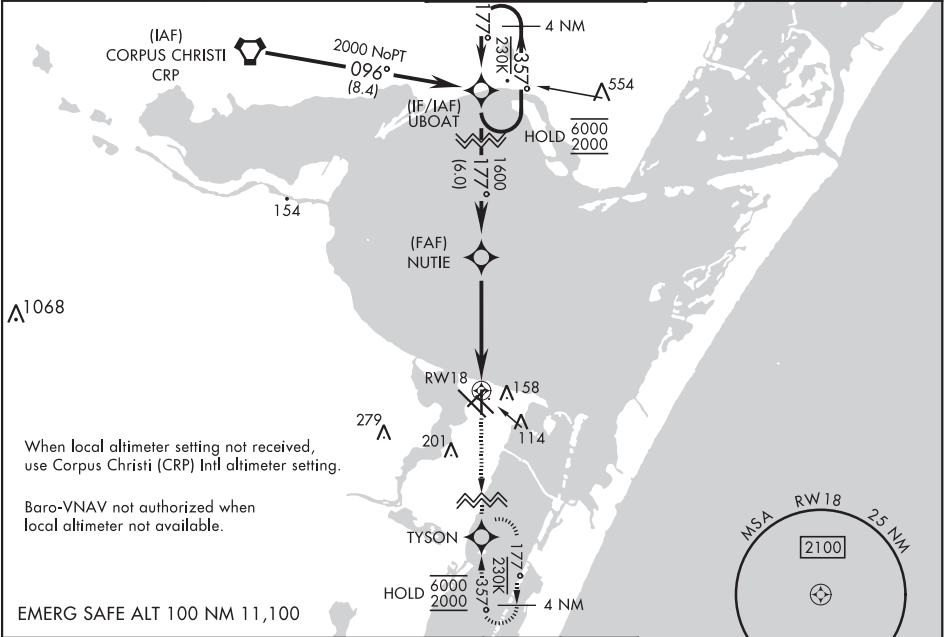
APCH CRS	Rwy Idg	5002
177°	TDZE	18
	Arpt Elev	18

[USN]

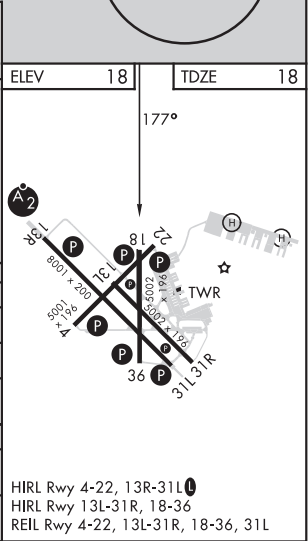
RNAV (GPS) RWY 18

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

RNP APCH			MISSED APPROACH: Climb to 2000 direct TYSON and hold.		
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15° C (5° F) or above 54° C (129° F).					
ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR



VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.				
4 NM Holding Pattern				
UBOAT				
GP 3.00° TCH 50				
CATEGORY				
LNAV/VNAV DA				
LNAV MDA				
CIRCLING				
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
LNAV MDA				
CIRCLING				



RNAV (GPS) RWY 18

CORPUS CHRISTI, TEXAS

APCH CRS 222°	Rwy Idg 5001 TDZE 15 Arpt Elev 18
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[USN]

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

RNP APCH

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (129°F).

MIXED APPROACH: Climb to 500, then climbing left turn to 2000 direct TYSON and hold.

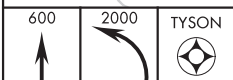
ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 0 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR
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A1068

When local altimeter setting not received,
use Corpus Christi (CRP) Intl altimeter setting.

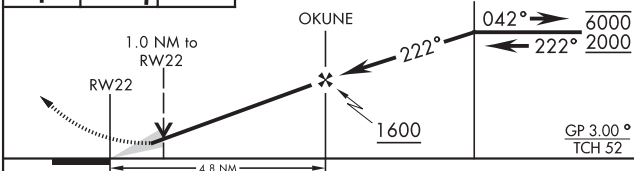
Baro-VNAV not authorized when
local altimeter not available.

EMERG SAFE ALT 100 NM 11,100



VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.

SOLEM Holding Pattern



CATEGORY	A	B	C	D
LNNAV MDA	380-1		365 (400-1)	
LNNAV/VNNAV DA	320-7/8 305 (400-7/8)			380-1 365 (400-1)
C CIRCLING	460-1 422 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
LNNAV MDA	400-1	385 (400-1)	400-1½	385 (400-1½)
C CIRCLING	500-1	482 (500-1)	540-1½ 522 (600-1½)	620-2 602 (700-2)

CORPUS CHR|ST|, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

RNAV (GPS) RWY 22

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 31L

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

[USN]

APCH CRS	Rwy Idg	8001
312°	TDZE	17
	Arpt Elev	18

RNP APCH

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (129°F).

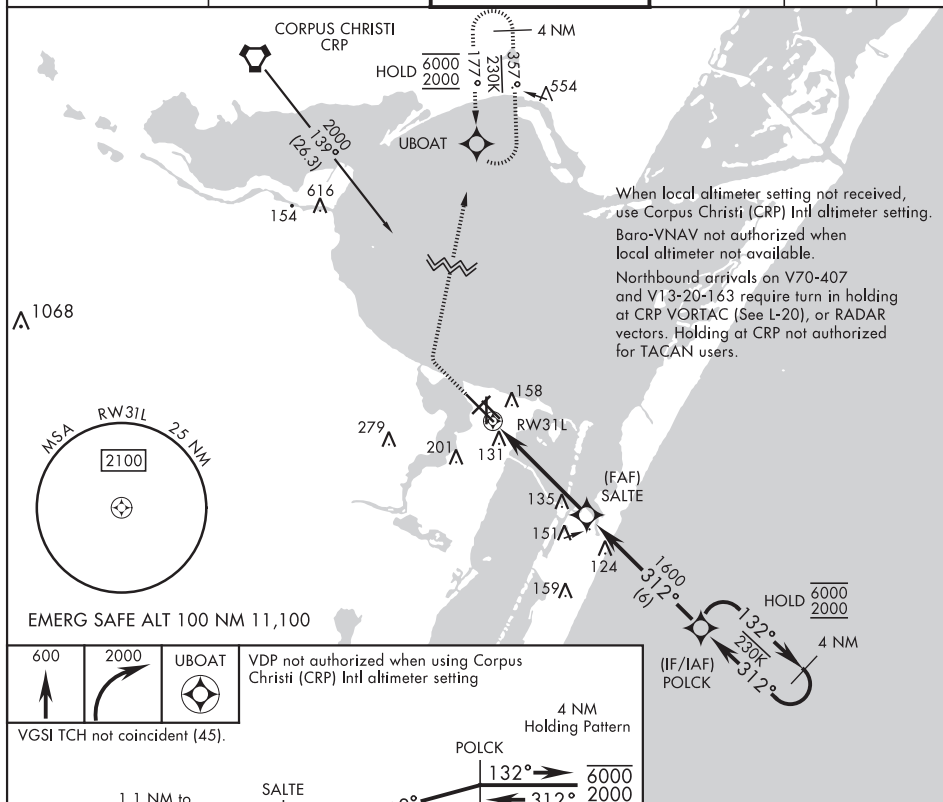
MISSED APPROACH: Climb to 600, then climbing right turn to 2000 direct UBOAT and hold.

ATIS ★
127.9 290.9

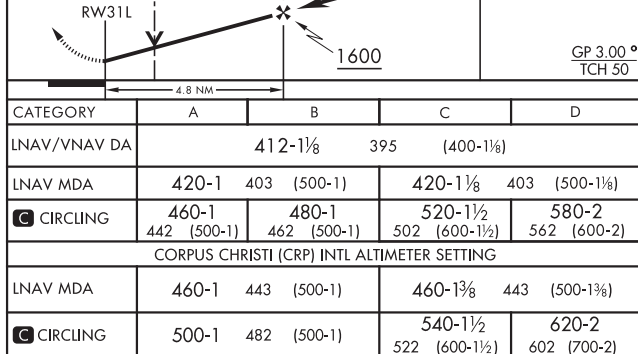
APP CON
128.675 343.75

NAVY CORPUS TOWER ★
134.85 L 340.2

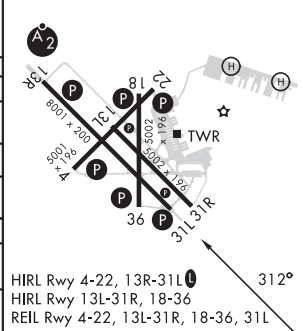
GND CON
118.7 257.85

CLNC DE
314.3ASR/
PAR

ELEV	18		TDZE	17
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CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

RNAV (GPS) RWY 31L

APCH CRS 312°	Rwy Idg 5002 TDZE 18 Arpt Elev 18
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RNAV (GPS) RWY 31R
CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (129°F).

MISSED APPROACH: Climb to 600, then climbing right turn to 2000 direct UBOAT and hold.

ATIS ★
127.9 290.9

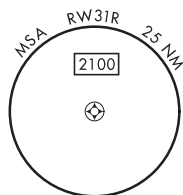
APP CON
128.675 343.75

NAVY CORPUS TOWER ★
134.85 340.2

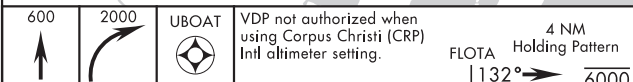
GND CON	
118.7	257.85

CLNC DE
314.3ASR/
PAR

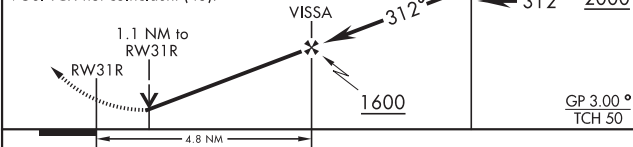
Northbound arrivals on V70-407 and V13-20-163 require turn in holding at CRP VORTAC (See L-20), or RADAR vectors. Holding at CRP not authorized for TACAN users.



 Λ_{1068} 

EMERG SAFE ALT 100 NM 11,100



VGSI TCH not coincident (45).



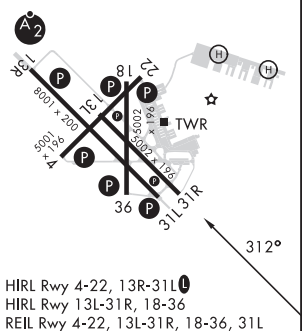
CATEGORY	A	B	C	D
LNAV/VNAV DA	411-1½	393	(400-1½)	
LNAV MDA	420-1	402 (500-1)	420-1½	402 (500-1½)
 CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
LNAV MDA	460-1	442 (500-1)	460-1½	442 (500-1½)
 CIRCLING	500-1	482 (500-1)	540-1½ 522 (600-1½)	620-2 602 (700-2)

CORPUS CHRISTI, TEXAS
Amdt 2 25JAN24

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

RNAV (GPS) RWY 31R



SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 36

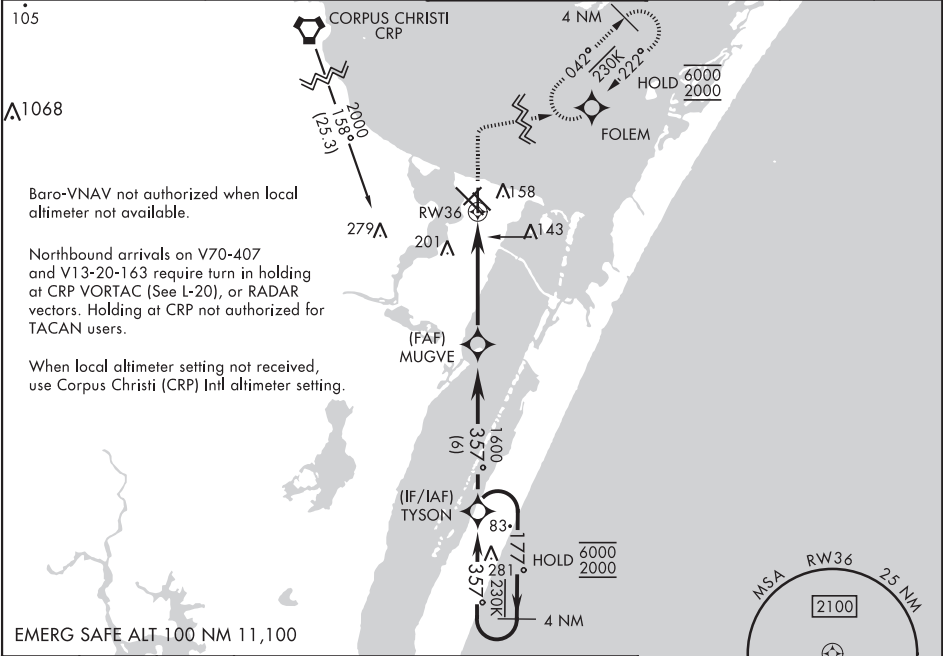
APCH CRS	Rwy Idg	5002
357°	TDZE	18
	Arpt Elev	18

[USN]

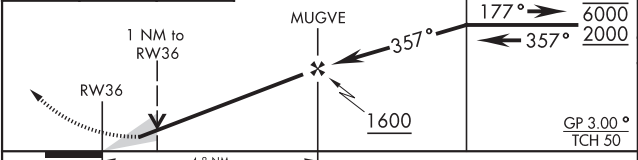
CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

RNP APCH	MISSED APPROACH: Climb to 600, then climbing right turn to 2000 direct FOLEM and hold.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (129°F).	

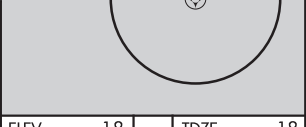
ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR
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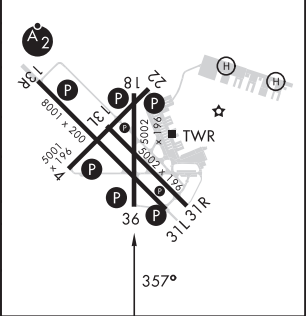
600	2000	FOLEM	VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.	4 NM Holding Pattern
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CATEGORY	A	B	C	D
LNAV MDA	400-1	382 (400-1)	400-1½	382 (400-1½)
LNAV/VNAV DA	400-1½	382 (400-1½)		
CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
LNAV MDA	440-1	422 (500-1)	440-1¼	422 (500-1¼)
CIRCLING	500-1	482 (500-1)	540-1½ 522 (600-1½)	620-2 602 (700-2)



ELEV 18	TDZE 18
HIRL Rwy 4-22, 13R-31L HIRL Rwy 13L-31R, 18-36 REIL Rwy 4-22, 13L-31R, 18-36, 31L	



RNAV (GPS) RWY 36

CORPUS CHRISTI, TEXAS

VOR/DME or TACAN Y RWY 13R

VORTAC CRP 115.5 Chan 102	APCH CRS 139°	Rwy Idg TDZE Arpt Elev 8001 13 18
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[USN]

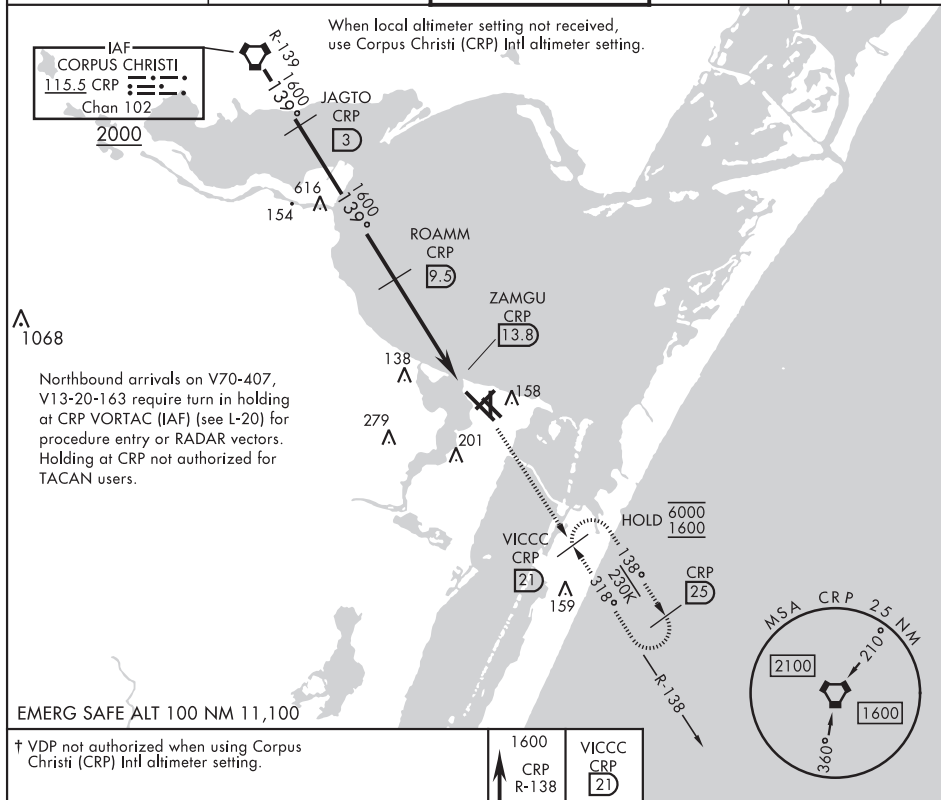
CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

- ▼ * When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1½ miles.
 ** When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1½ miles.

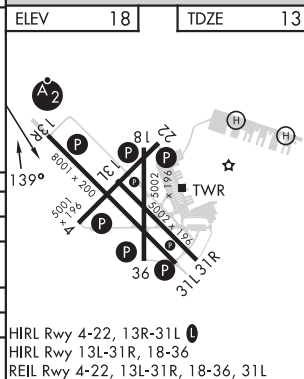


MISSED APPROACH: Climb to 1600 on CRP VORTAC R-138 to VICCC and hold.

ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/PAR
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CATEGORY	A	B	C	D
S-13R *	420-¾ 407 (500-¾)	480-1 520-1½	420-1 407 (500-1)	580-2
CIRCLING	442 (500-1) 462 (500-1)	502 (600-1½) 562 (600-2)		
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
S-13R **	460-¾ 447 (500-1¾)	540-1½ 620-2	460-1 447 (500-1)	
CIRCLING	500-1 482 (500-1)	522 (600-1½) 602 (700-2)		



CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

VOR/DME or TACAN Y RWY 13R

CORPUS CHRISTI, TEXAS

VOR/DME or TACAN Y RWY 31L

VORTAC CRP <u>115.5</u> Chan 102	APCH CRS 318°	Rwy Idg 8001 TDZE 17 Arpt Elev 18
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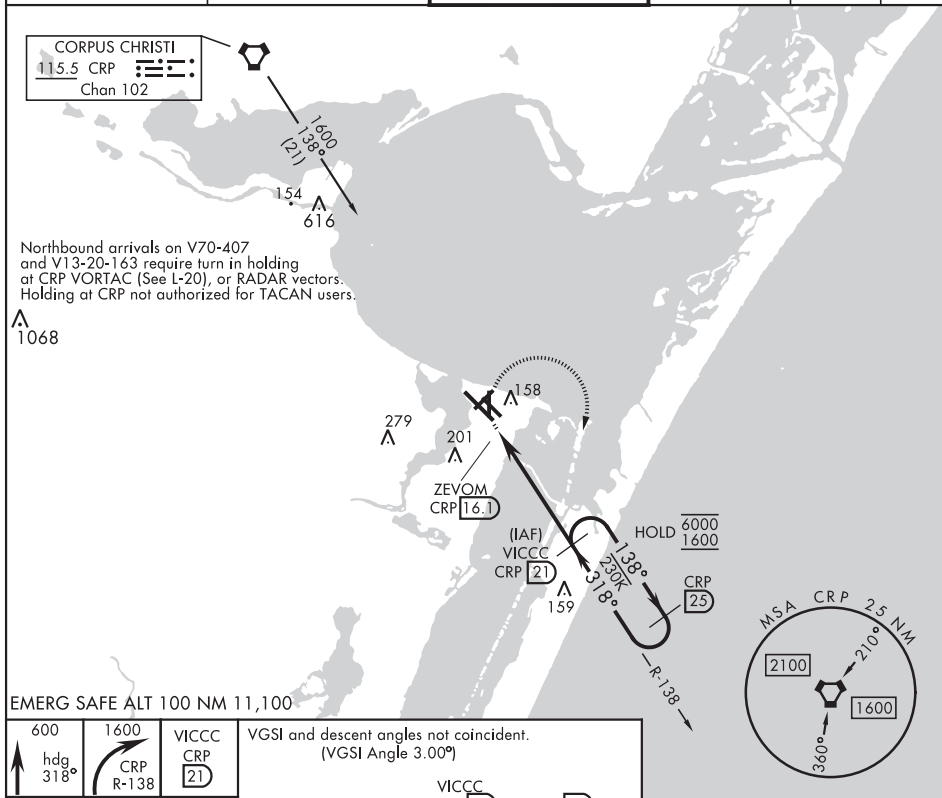
[USN]

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

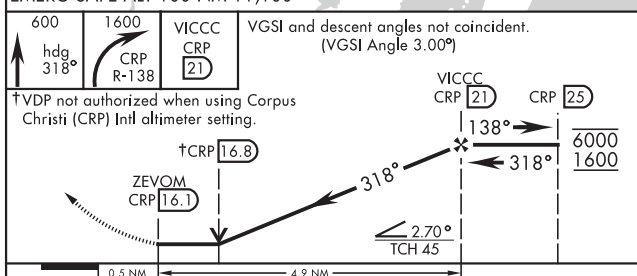
T When local altimeter setting not received, use Corpus Christi (CRP) Inl altimeter setting.

MISSED APPROACH: Climb to 600 hdg 318°, then climbing right turn to 1600 to intercept CRP VORTAC R-138 to VICCC and hold.

<p>ATIS ★</p> <p>127.9 290.9</p>	<p>APP CON</p> <p>128.675 343.75</p>	<p>NAVY CORPUS TOWER ★</p> <p>134.85 0 340.2</p>	<p>GND CON</p> <p>118.7 257.85</p>	<p>CLNC DEL</p> <p>314.3</p>	<p>ASR/ PAR</p>
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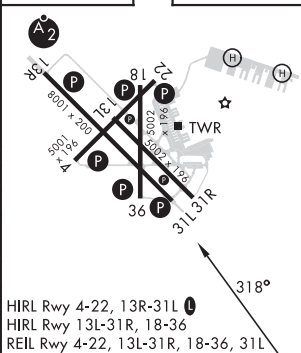


EMERG SAFE ALT 100 NM 11.100



CATEGORY	A	B	C	D
S-31L	420-1 403	(500-1)	420-1½ 403	(500-1½)
CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL. ALTIMETER SETTING				
S-31L	440-1 423	(500-1)	440-1¼ 423	(500-1¼)
CIRCLING	500-1 482	(500-1)	540-1½ 522 (600-1½)	620-2 602 (700-2)

ELEV	18		TDZE	17
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CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

VOR/DME or TACAN Y RWY 31L

CORPUS CHRISTI, TEXAS

TACAN RWY 18

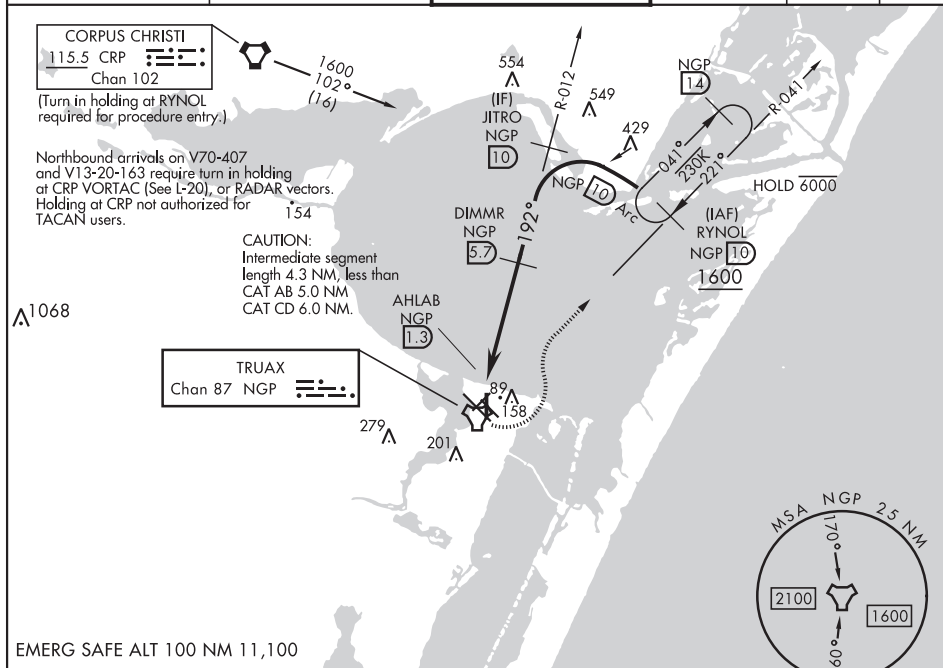
TACAN NGP Chan 87	APCH CRS 192°	Rwy Idg TDZE Arpt Elev 5002 18 18
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[USN]

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

<p>When local altimeter setting not received, use Corpus Christi (CRP) Intl altimeter setting.</p>	<p>MISSED APPROACH: Climb to 1600 direct NGP TACAN and turn left to intercept R-041 to RYNOL and hold.</p>
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<p>ATIS ★ 127.9 290.9</p>	<p>APP CON 128.675 343.75</p>	<p>NAVY CORPUS TOWER ★ 134.85 340.2</p>	<p>GND CON 118.7 257.85</p>	<p>CLNC DEL 314.3</p>	<p>ASR/ PAR</p>
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1600

NGP
R-041

DIMMR
NGP
5.7

JITRO
NGP
10

NGP
TACAN

AHLAB
NGP
1.3

192°

1600

1600

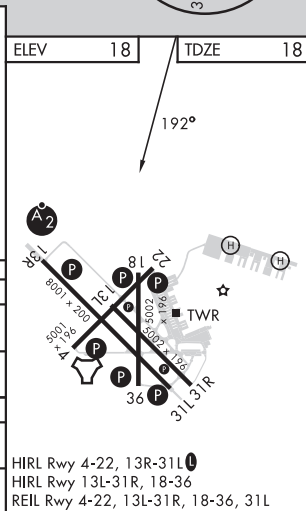
2.98°

TCH 50

0.5

4.4 NM

CATEGORY	A	B	C	D
S-18	340-1	322	(400-1)	
CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
S-18	380-1	362	(400-1)	
CIRCLING	500-1 482 (500-1)	540-1½ 522 (600-1½)	620-2 602 (700-2)	



CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

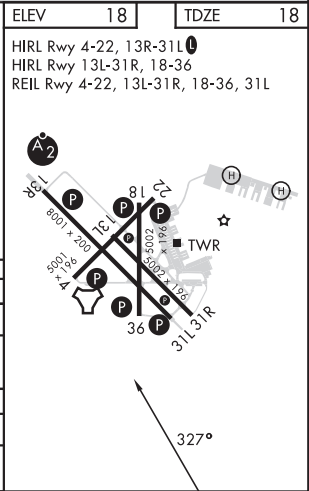
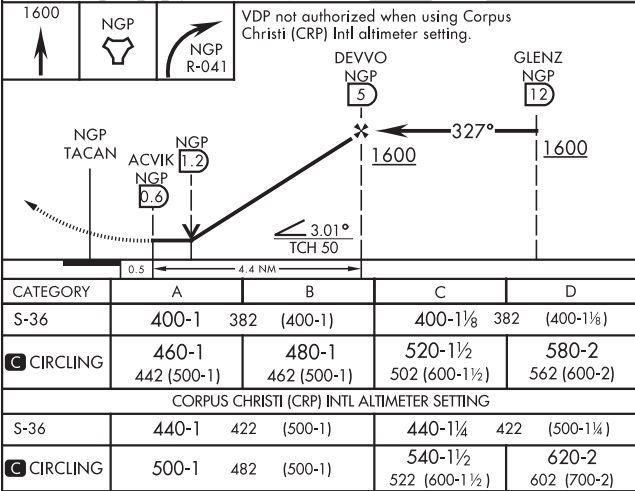
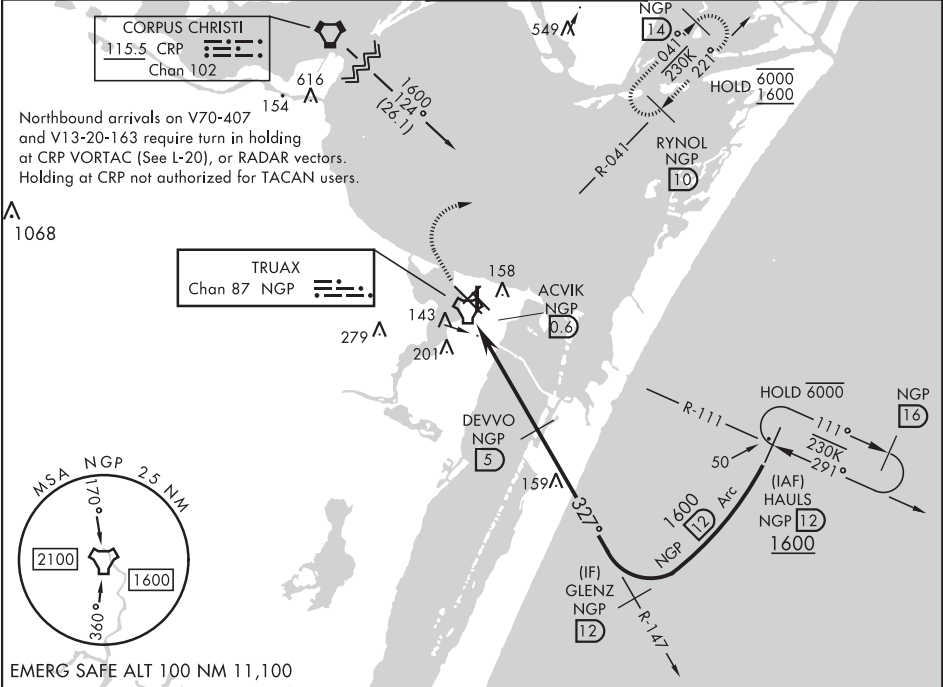
TACAN RWY 18

TACAN RWY 36

TACAN	NGP	APCH CRS	Rwy Idg	5002
Chan 87		327°	TDZE	18
			Arpt Elev	18

[USN] CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

When local altimeter setting not received, use Corpus Christi (CRP) Intl altimeter setting.		MISSED APPROACH: Climb to 1600 direct NGP TACAN and turn right to intercept R-041 to RYNOL and hold.		
ATIS ★	APP CON	NAVY CORPUS TOWER ★	GND CON	CLNC DEL
127.9 290.9	128.675 343.75	134.85 340.2	118.7 257.85	314.3
			ASR/ PAR	



TACAN RWY 36

CORPUS CHRISTI, TEXAS

TACAN NGP Chan 87	APCH CRS 291°	Rwy Idg 8001 TDZE 17 Arpt Elev 18
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[USN]

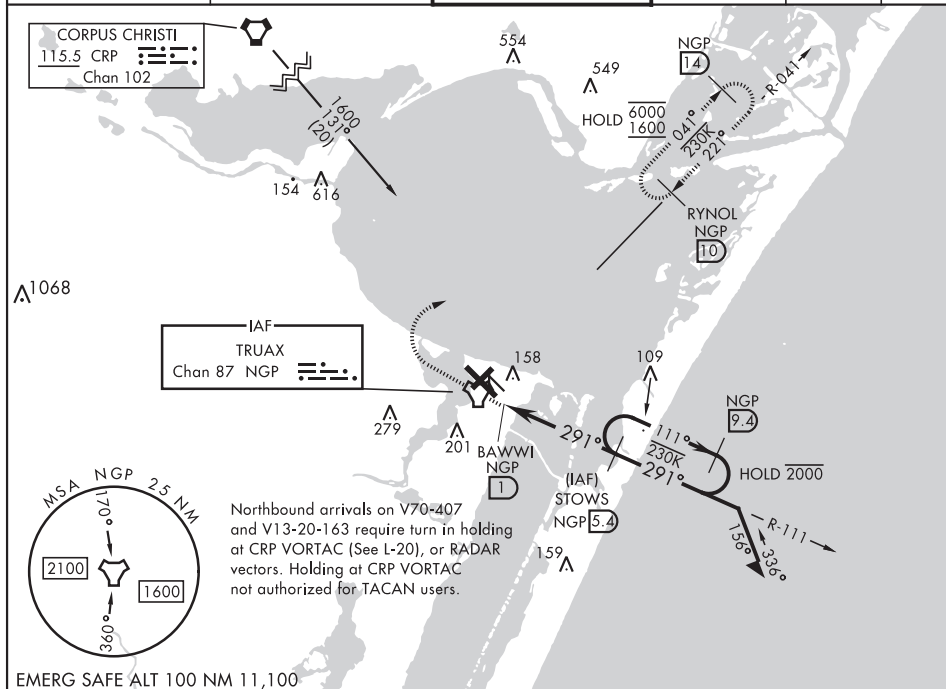
CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

TACAN X RWY 31L

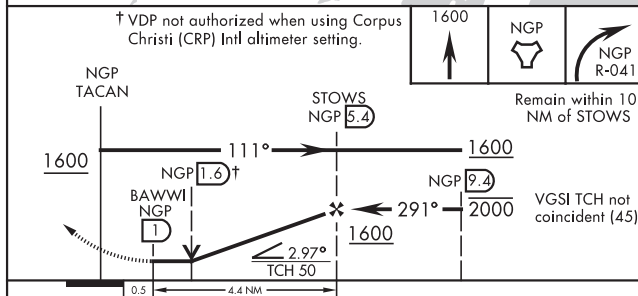
T When local altimeter setting not received, use Corpus Christi (CRP) Intl altimeter setting.



MISSED APPROACH: Climb to 1600 direct NGP TACAN and turn right to intercept R-041 to RYNOL and hold.

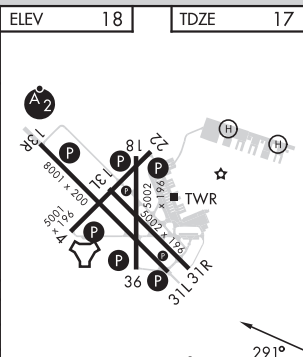
<p>ATIS ★</p> <p>127.9 290.9</p>	<p>APP CON</p> <p>128.675 343.75</p>	<p>NAVY CORPUS TOWER ★</p> <p>134.850 340.2</p>	<p>GND CON</p> <p>118.7 257.85</p>	<p>CLNC DEL</p> <p>314.3</p>	<p>ASR/ PAR</p>
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† VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.



CATEGORY	A		B		C		D	
S-31L	420-1	403	(500-1)		420-1½	403	(500-1½)	
 CIRCLING	460-1		480-1		520-1½		580-2	
	442	(500-1)	462	(500-1)	502	(600-1½)	562	(600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING								
S-31L	460-1	443	(500-1)		460-1¾	443	(500-1¾)	
 CIRCLING	500-1	482	(500-1)		540-1½		620-2	
					522	(600-1½)	602	(700-2)



HIRL Rwy 4-22, 13R-31L **L**
HIRL Rwy 13L-31R, 18-36
REIL Rwy 4-22, 13L-31R, 18-36, 31L

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

TACAN X RWY 31L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TACAN Z RWY 13R

TACAN NGP Chan 87	APCH CRS 147°	Rwy Idg 8001 TDZE 13 Arpt Elev 18
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[USN]

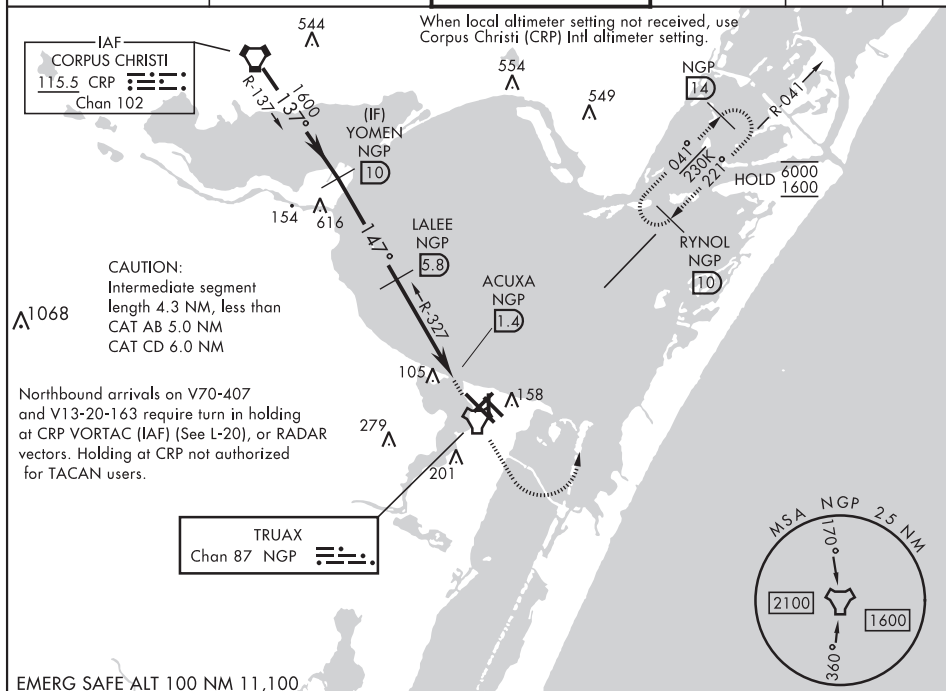
CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

T * When ALS inop, increase CAT AB
vis to 1 mile, CAT CD vis to 1 1/8 miles.



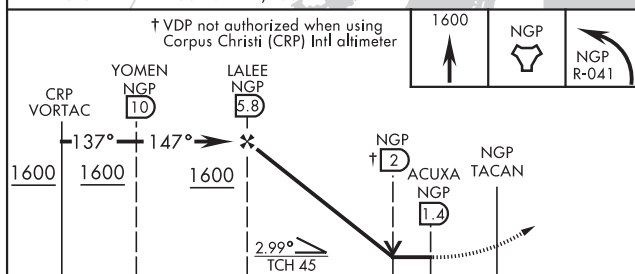
MISSED APPROACH: Climb to 1600 direct NGP TACAN and turn left to intercept R-041 to RYNOL and hold.

ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR
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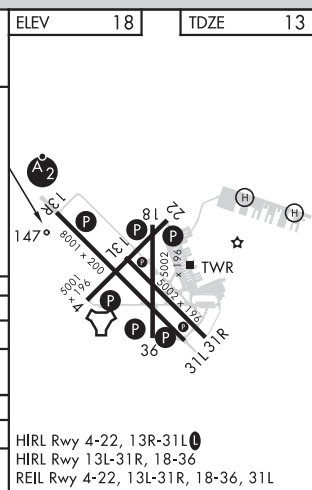


EMERG SAFE ALT 100 NM 11,100

† VDP not authorized when using Corpus Christi (CRP) Intl altimeter



		← 4.4 NM →		0.5	
CATEGORY	A	B	C	D	
S-13R *	400- $\frac{3}{4}$	387 (400- $\frac{3}{4}$)	400- $\frac{7}{8}$	387 (400- $\frac{7}{8}$)	
C CIRCLING	460-1	480-1	520-1 $\frac{1}{2}$	580-2	
	442 (500-1)	462 (500-1)	502 (600-1 $\frac{1}{2}$)	562 (600-2)	
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING					
S-13R *	420- $\frac{3}{4}$	407 (500- $\frac{3}{4}$)	420-1	407 (500-1)	
C CIRCLING	500-1	482 (500-1)	540-1 $\frac{1}{2}$	620-2	
			522 (600-1 $\frac{1}{2}$)	602 (700-2)	



CORPUS CHRISTI, TEXAS

27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

TACAN Z RWY 13R

CORPUS CHRISTI, TEXAS

TACAN Z RWY 31L

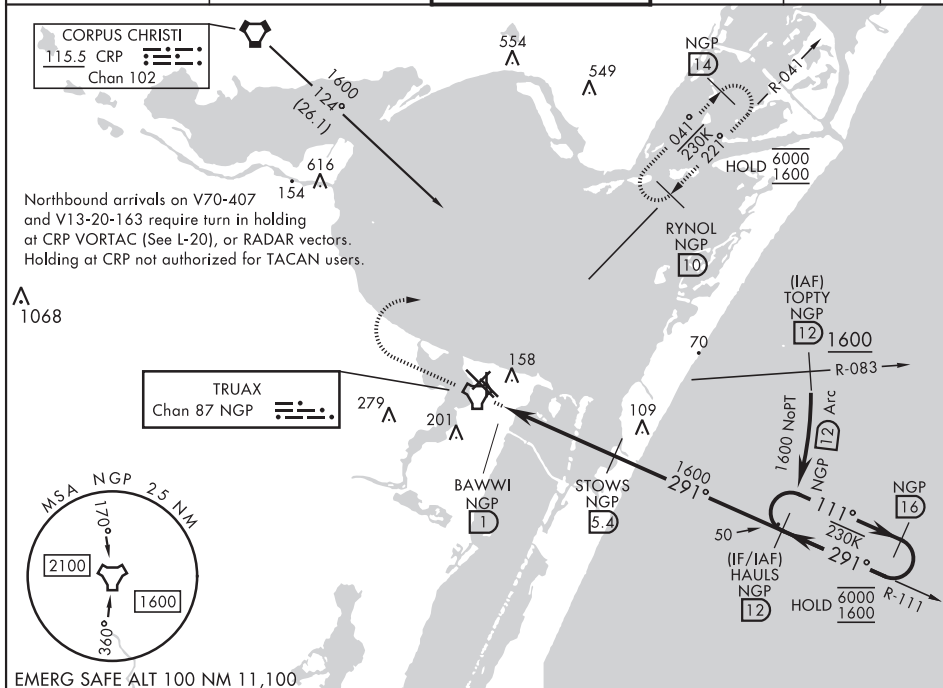
TACAN	NGP	APCH CRS	Rwy Idg
Chan 87	291°	291°	8001
		TDZE	17
		Arpt Elev	18

[USN]

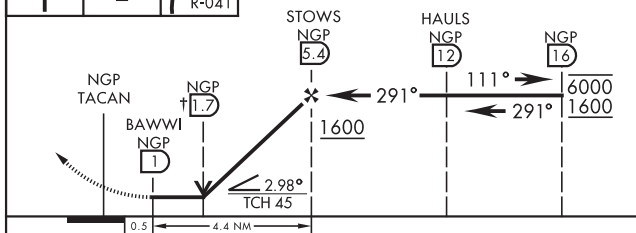
CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

When local altimeter setting not received, use Corpus Christi (CRP) Intl altimeter setting.	MISSED APPROACH: Climb to 1600 direct NGP TACAN and turn right to intercept R-041 to RYNOL and hold.
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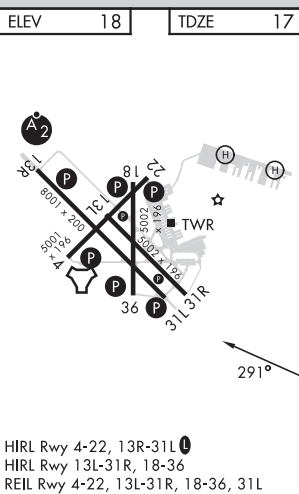
ATIS ★ 127.9 290.9	APP CON 128.675 343.75	NAVY CORPUS TOWER ★ 134.85 340.2	GND CON 118.7 257.85	CLNC DEL 314.3	ASR/ PAR
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1600	NGP	↑VDP not authorized when using Corpus Christi (CRP) Intl altimeter setting.	ELEV 18	TDZE 17
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CATEGORY	A	B	C	D
S-31L	420-1 403 (500-1)	420-1½ 403 (500-1½)	420-1½ 403 (500-1½)	420-1½ 403 (500-1½)
CIRCLING	460-1 442 (500-1)	480-1 462 (500-1)	520-1½ 502 (600-1½)	580-2 562 (600-2)
CORPUS CHRISTI (CRP) INTL ALTIMETER SETTING				
S-31L	460-1 443 (500-1)	460-1½ 443 (500-1½)	540-1½ 620-2	540-1½ 620-2
CIRCLING	500-1 482 (500-1)	522 (600-1½)	602 (700-2)	602 (700-2)



CORPUS CHRISTI, TEXAS

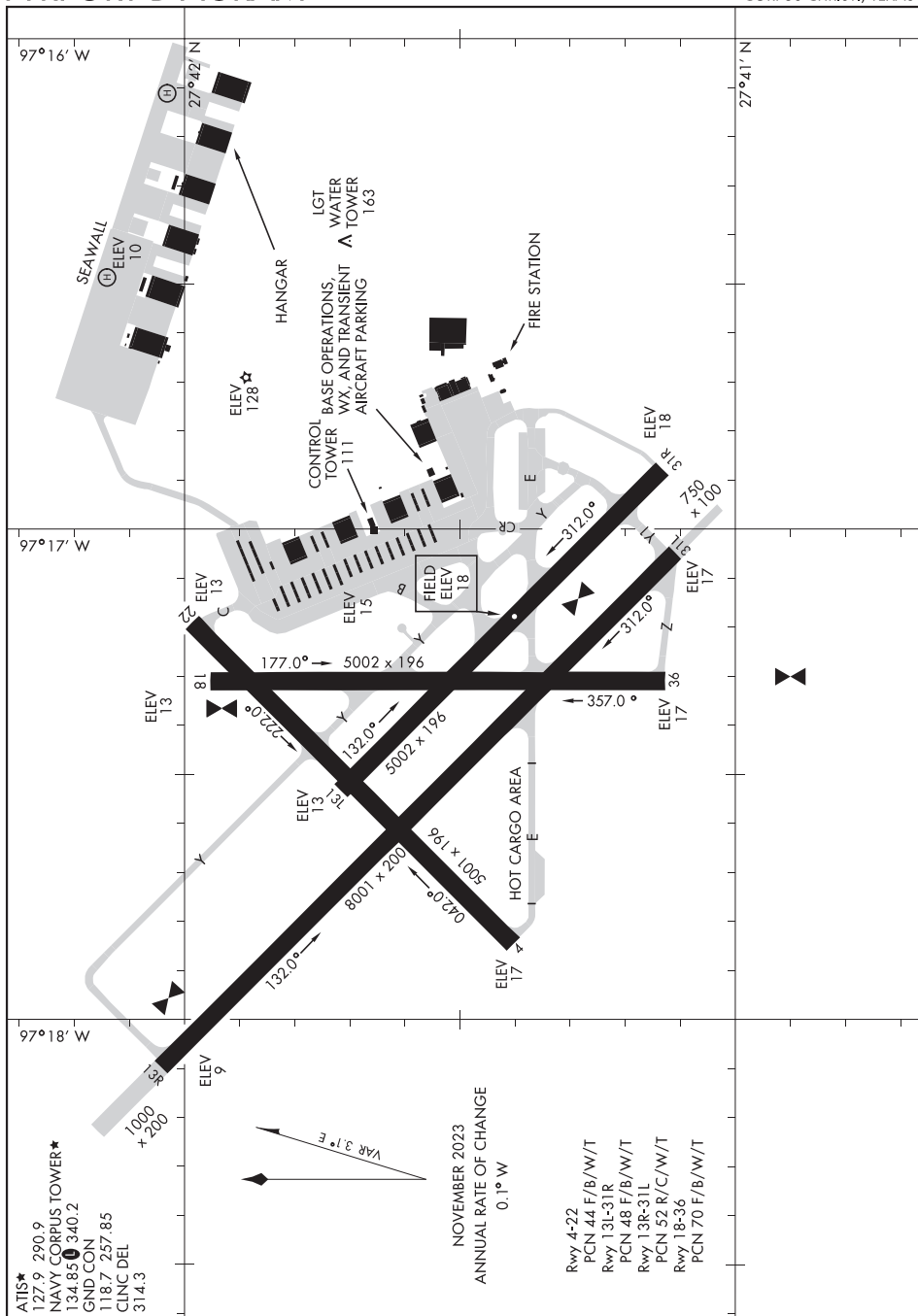
27°42'N-97°17'W

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

Amdt 2 30NOV23

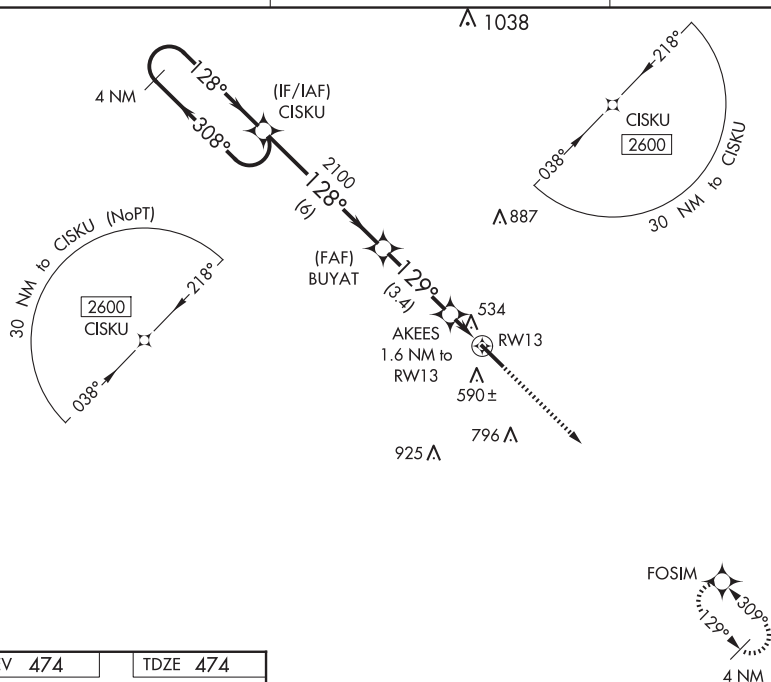
TACAN Z RWY 31L

SC-3, 12 JUN 2025 to 07 AUG 2025

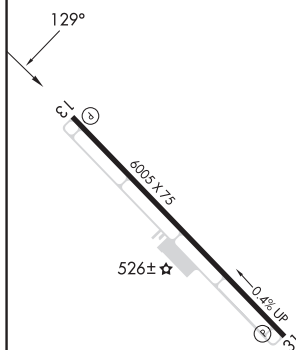


RNAV (GPS) RWY 13
COTULLA-LA SALLE COUNTY (COT)

MISSED APPROACH: Climb to 2600 direct FOSIM and hold.

UNICOM
122.7 (CTAF) **L**

TDZE 474

[illegible]

COTULLA-LA SALLE COUNTY (COT)
RNAV (GPS) RWY 13

28°27'N-99°13'W

SC-3, 12 JUN 2025 to 07 AUG 2025

COTULLA, TEXAS

AL-907 (FAA)

24137

WAAS CH 42836 W31A	APP CRS 309°	Rwy Idg 6005 TDZE 464 Apt Elev 474
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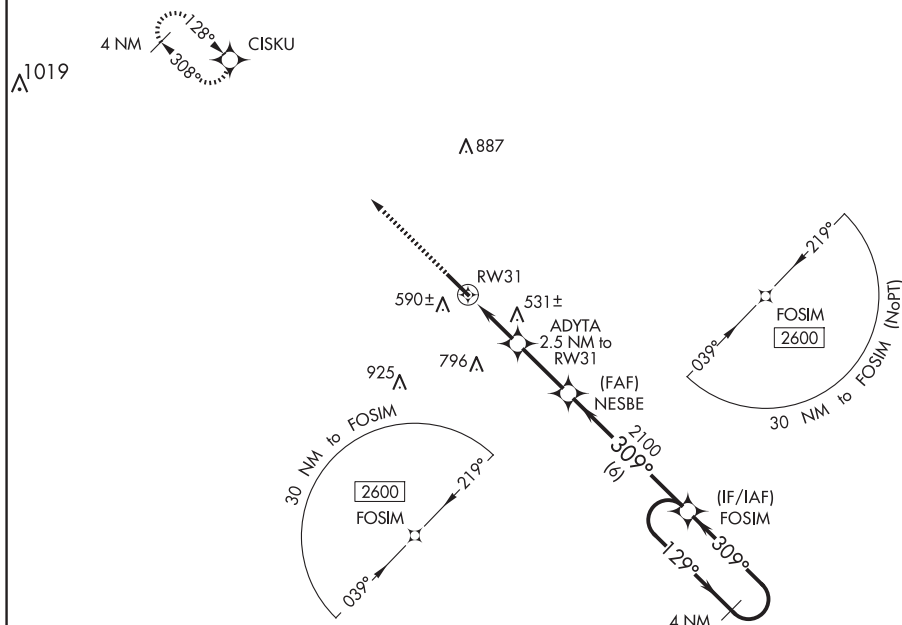
RNAV (GPS) RWY 31
COTULLA-LA SALLE COUNTY (COT)

T

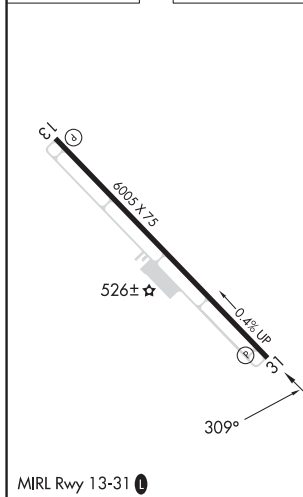
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C (23°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2600 direct CISKU and hold.

ASOS 118.325	HOUSTON CENTER 134.6 322.5	UNICOM 122.7 (CTAF) 0
------------------------	--------------------------------------	---------------------------------



ELEV 474		TDZE 464
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2600

CISKU

*INAV only.

4 NM Holding Pattern

FOSIM

129°

309°

2600

ADYTA 2.5 NM to RW31

NESBE 2100

*1 NM to RW31

RW31

*1280

2100

GP 3.00° TCH 45

1 NM 1.5 NM 2.5 NM 6 NM

CATEGORY	A	B	C	D
LPV DA	714- $\frac{3}{4}$	250 (300- $\frac{3}{4}$)		NA
INAV/VNAV DA	714- $\frac{3}{4}$	250 (300- $\frac{3}{4}$)		NA
INAV MDA	800-1	336 (400-1)		NA
C CIRCLING	920-1 446 (500-1)	940-1 466 (500-1)	1120-1 $\frac{3}{4}$ 646 (700-1 $\frac{3}{4}$)	NA

COTULLA, TEXAS

Amdt 2 18SEP14

COTULLA-LA SALLE COUNTY (COT)
RNAV (GPS) RWY 31

28°27'N-99°13'W

133

SC-3, 12 JUN 2025 to 07 AUG 2025

COTULLA, TEXAS

AL-907 (FAA)

23166

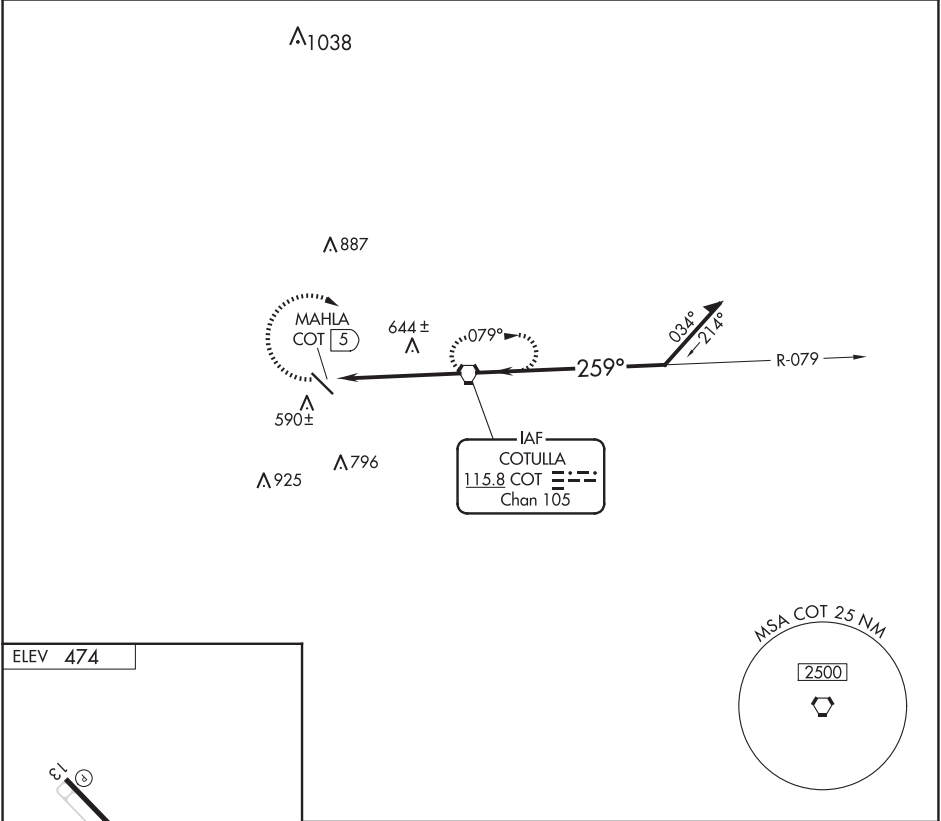
VORTAC COT 115.8 Chan 105	APP CRS 259°	Rwy Idg TDZE Apt Elev N/A N/A 474
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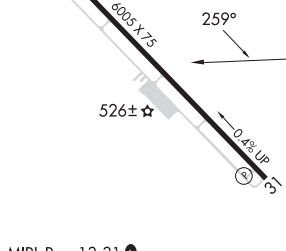









VOR-A

COTULLA-LA SALLE COUNTY (COT)

  When local altimeter setting not received, use Pleasanton Muni altimeter setting; increase all MDA 120 feet, Circling Cat C visibility ½ SM.	MISSED APPROACH: Climbing right turn to 2100 direct COT VORTAC and hold.
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ASOS 118.325	HOUSTON CENTER 134.6 322.5	UNICOM 122.7 (CTAF) 
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						Remain within 10NM	
							
							
FAF to MAP 5 NM		5 NM					
CATEGORY		A	B	C	D		
 CIRCLING		920-1 446 (500-1)	940-1 466 (500-1)	1120-1¾ 646 (700-1¾)	NA		
Knots		60	90	120	150	180	
Min:Sec		5:00	3:20	2:30	2:00	1:40	

COTULLA, TEXAS

Amdt 13A 08OCT20

COTULLA-LA SALLE COUNTY (COT)

28°27'N-99°13'W

VOR-A

SC-3, 12 JUN 2025 to 07 AUG 2025

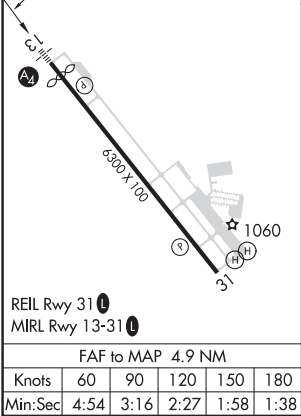
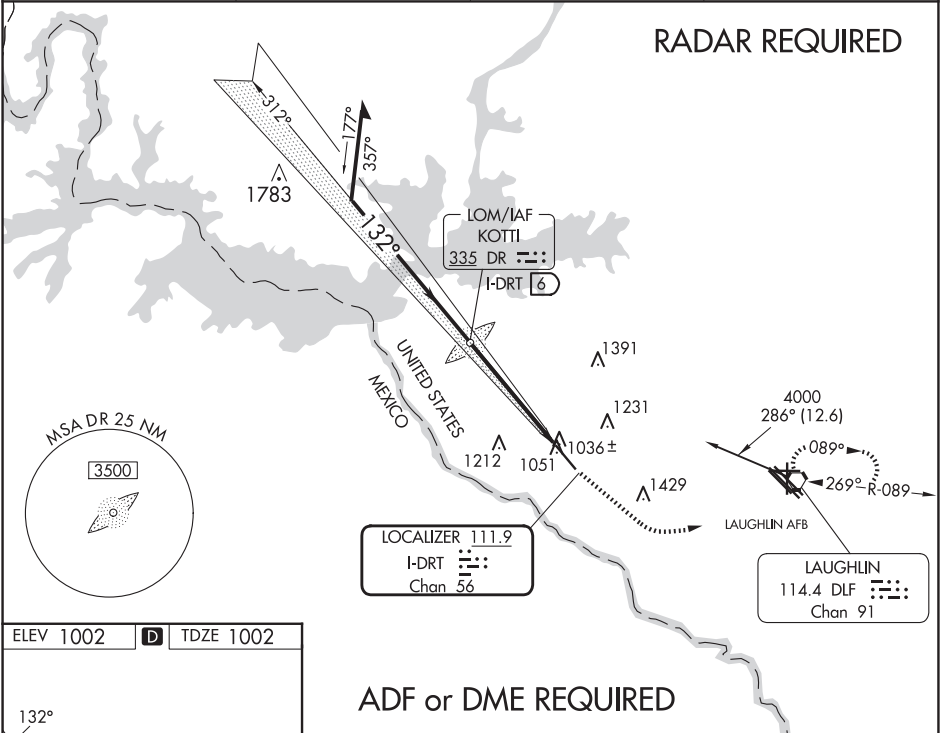
SC-3, 12 JUN 2025 to 07 AUG 2025

LOC I-DRT 111.9 Chan 56	APP CRS 132°	Rwy Idg 6000 TDZE 1002 Apt Elev 1002
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ILS or LOC RWY 13
DEL RIO INTL (DRT)

NA Circling NA for Cat D SW of Rwy 13-31. When local altimeter setting not received, use Laughlin AFB altimeter setting and increase all DAs 30 feet, all MDAs 40 feet, increase S-LOC 13 Cat D and Circling Cats C and D visibility ¼ SM. VDP NA when using Laughlin AFB altimeter setting.	MALS 	MISSED APPROACH: Climb to 2000 via heading 122° then climbing left turn to 4000 direct DLF VORTAC and hold. Continue climb-in-hold to 4000.
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ASOS 118.525	DEL RIO APP CON ★ 119.6 259.1	CLNC DEL 120.5	UNICOM 122.8 (CTAF) 1
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Remain within 10 NM			
DR KOTTI LOM I-DRT 6			
2000 4000 DLF hdg 122°			
3200 2700 2673 GS 3.00° TCH 48			
3.7 NM 1.2			
CATEGORY	A	B	C
S-ILS 13	1202-3/4 200 (200-3/4)		
S-LOC 13	1420-1/2	418 (500-1/2)	1420-3/4 418 (500-3/4)
CIRCLING	1440-1 438 (500-1)	1560-1 558 (600-1)	1740-2 738 (800-2) 1740-2 1/4 738 (800-2 1/4)

DEL RIO, TEXAS



AL-5268 (FAA)

24249

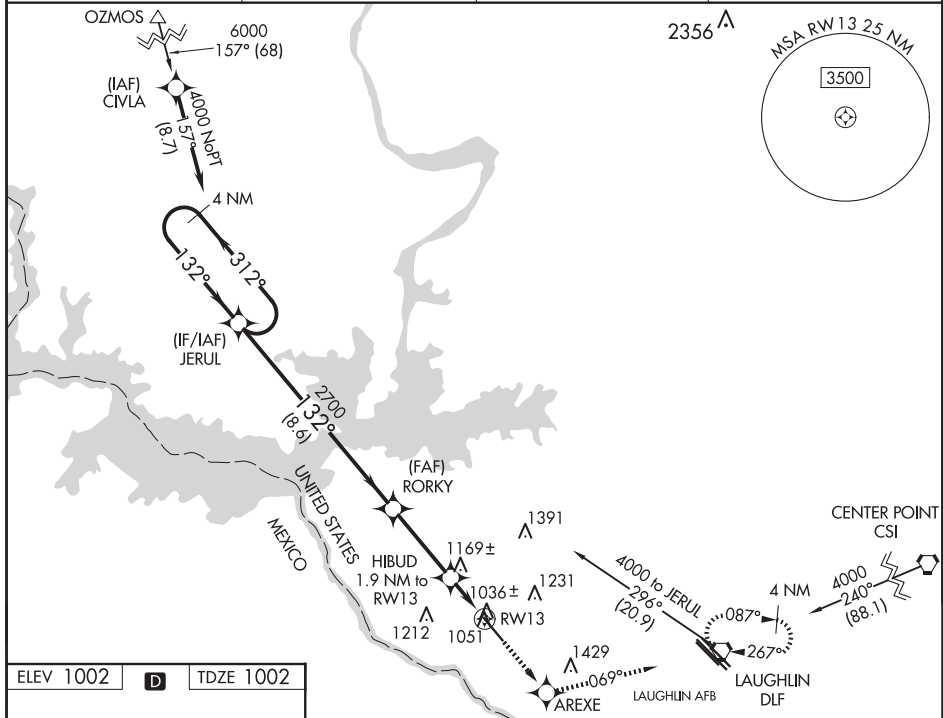
WAAS CH 86499 W13A	APP CRS 132°	Rwy Idg TDZE 1002 Apt Elev 1002
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RNAV (GPS) RWY 13

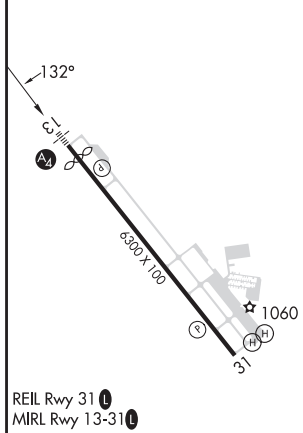
DEL RIO INTL (DRT)





RNP APCH.	MALS 	MISSED APPROACH: Climb to 4000 direct AREXE and on 069° track to DLF VORTAC and hold, continue climb-in-hold to 4000.
<p> Circling NA for Cat D southwest of Rwy 13-31. When local altimeter setting not received, use Laughlin AFB altimeter setting and increase all DA 30 feet and all MDA 40 feet, increase LPV visibility all Cats, LNAV Cats C and D and Circling Cats C and D visibility ¼ SM. Baro-VNAV NA when using Laughlin AFB altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17° C (2°F) or above 47°C (116°F).</p>		

ASOS 118.525	DEL RIO APP CON * 119.6 259.1	CLNC DEL 120.5	UNICOM 122.8 (CTAF) 
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ELEV 1002		TDZE 1002
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VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 47).				
4 NM	JERUL	RORKY	AREXE	DLF
Holding Pattern				
4000	312°	132°	2700	
GP 3.00°				
TCH 48				
	8.6 NM	3.2 NM	1.9	
CATEGORY	A	B	C	D
LPV DA		1252-3/4	250 (300-3/4)	
LNAV/VNAV DA		1401-1	399 (400-1)	
LNAV MDA	1500-1/2	498 (500-1/2)	1500-3/4	1500-1
			498 (500-3/4)	498 (500-1)
CIRCLING	1500-1	1560-1	1740-2	1740-2 1/4
	498 (500-1)	558 (600-1)	738 (800-2)	738 (800-2 1/4)

DEL RIO, TEXAS
Amdt 2B 20MAY21

29°22'N-100°56'W

DEL RIO INTL (DRT)

RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

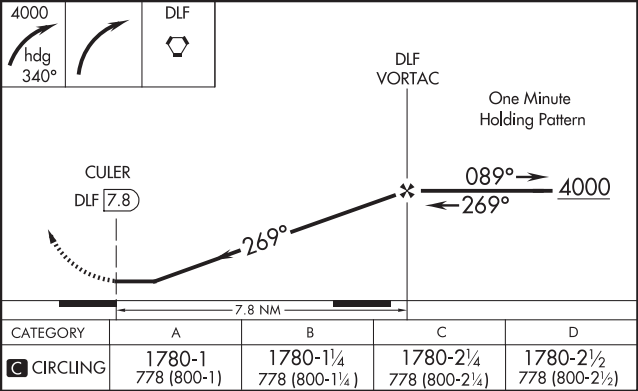
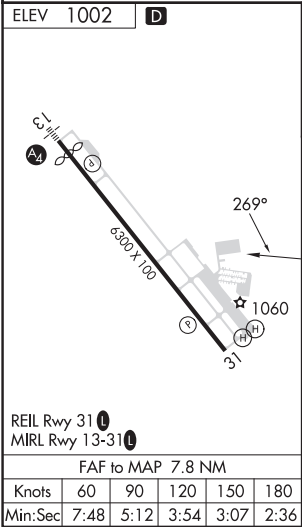
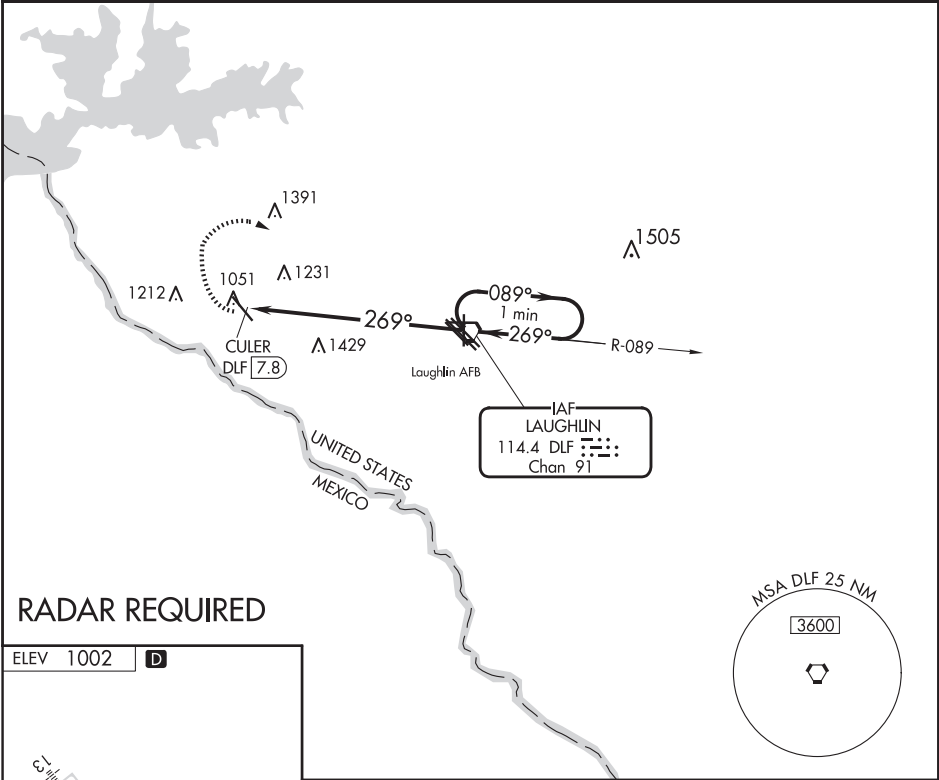
SC-3, 12 JUN 2025 to 07 AUG 2025

VORTAC DLF 114.4 Chan 91	APP CRS 269°	Rwy Idg TDZE Apt Elev	N/A N/A 1002
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VOR-A
DEL RIO INTL (DRT)

<p>⚠ Circling NA for Cat D SW of Rwy 13-31. If local altimeter setting not received, use Laughlin AFB altimeter setting and increase all MDAs 40 feet.</p> <p>⚠</p>	<p>MISSED APPROACH: Climbing right turn to 4000 via heading 340° then right turn direct DLF VORTAC and hold.</p>
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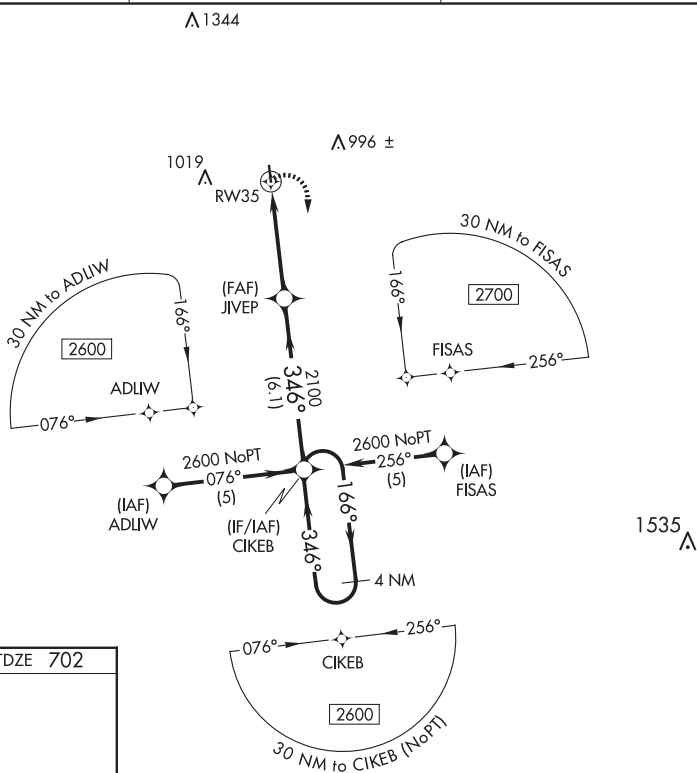
ASOS 118.525	DEL RIO APP CON * 119.6 259.1	CLNC DEL 120.5	UNICOM 122.8 (CTAF) 0
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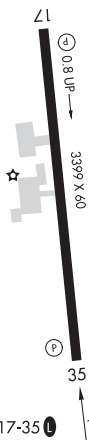
RNAV (GPS) RWY 35
DEVINE MUNI (23R)

MISSED APPROACH: Climbing right turn to 2600 direct CIKEB and hold.

CTAF
122.9 **L**



TDZE 702



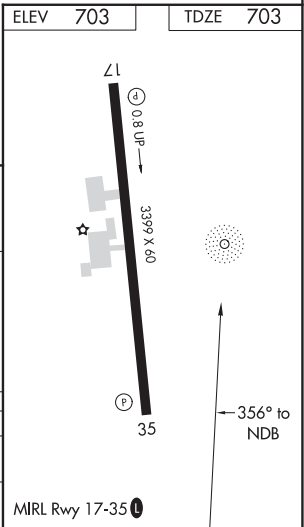
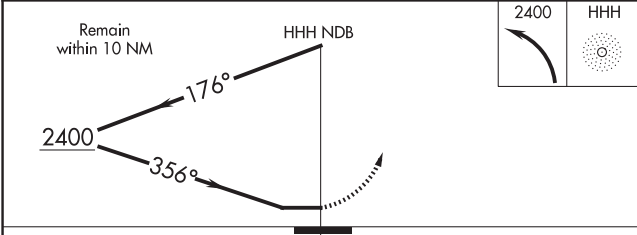
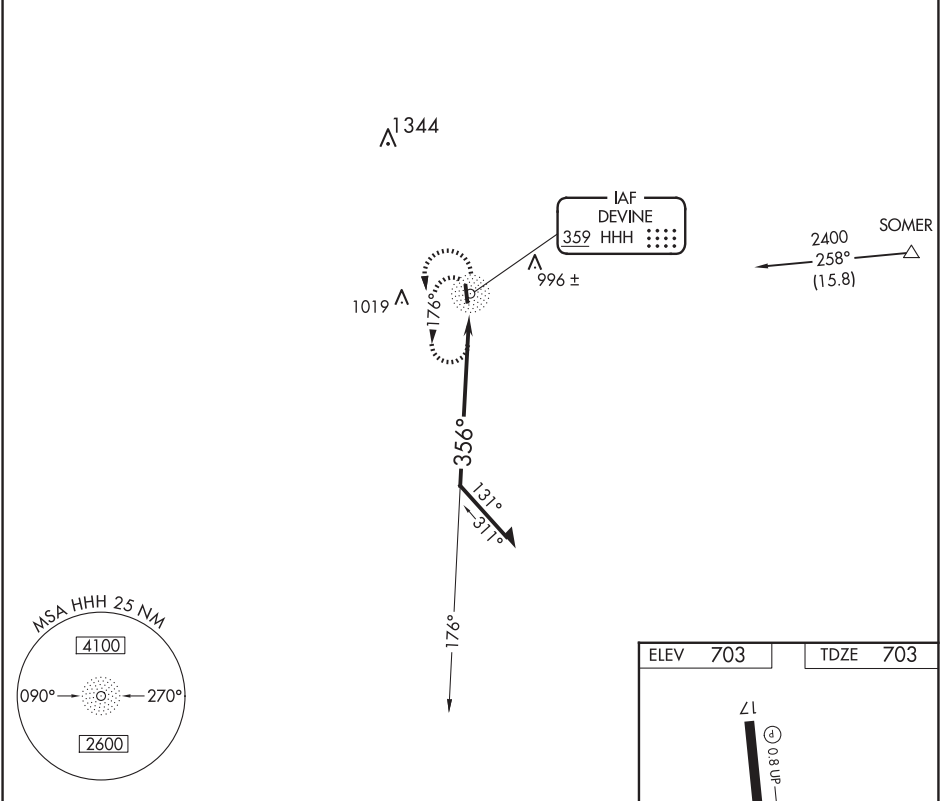
DEVINE MUNI (23R)
RNAV (GPS) RWY 35

NDB HHH 359	APP CRS 356°	Rwy Idg TDZE Apt Elev	3399 703 703
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NDB RWY 35
DEVINE MUNI (23R)

<p>▼</p> <p>▲ NA</p>	Use Castroville Muni altimeter setting; when not received, use South Texas Rgnl at Hondo altimeter setting and increase all MDA 40 feet. Helicopter visibility reduction below 1 SM NA. Night landing: Rwy 35 NA.	MISSED APPROACH: Climbing left turn to 2400 in HHH NDB holding pattern.
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CVB AWOS-3 119.25	HOUSTON CENTER 134.95 269.4	CTAF 122.9
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CATEGORY	A	B	C	D
S-35	1340-1	637 (700-1)	NA	
CIRCLING	1380-1	677 (700-1)	NA	

EAGLE PASS, TEXAS

AL-126 (FAA)

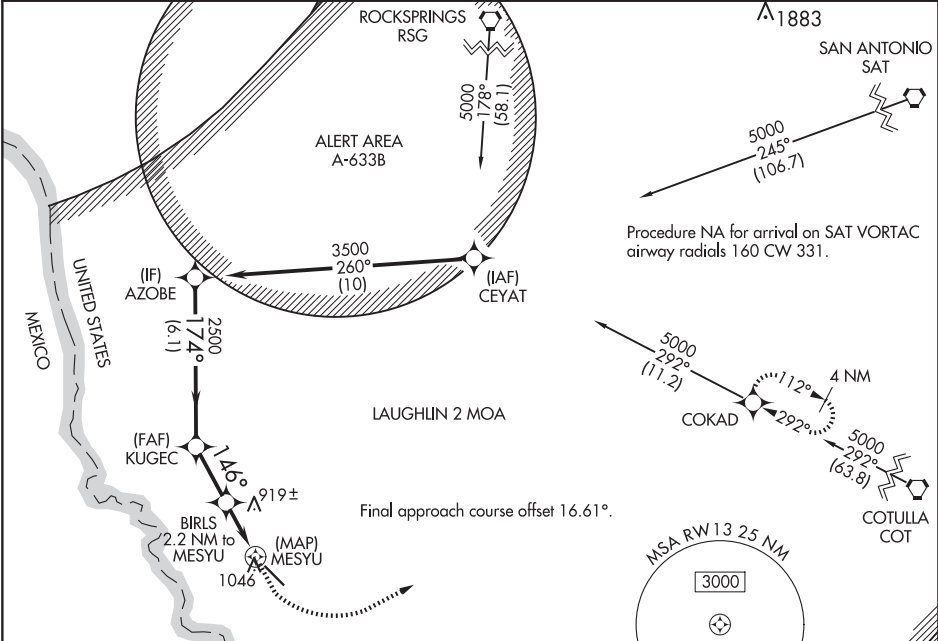
24305

WAAS CH 65942 W13A	APP CRS 146°	Rwy Idg TDZE 887 Apt Elev 887	5506
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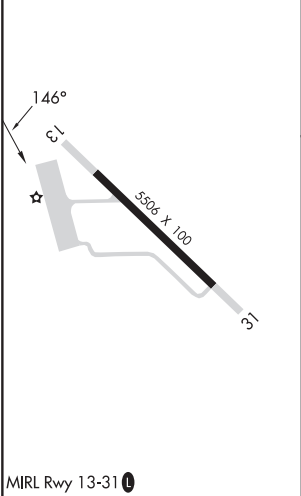
RNAV (GPS) RWY 13
MAVERICK COUNTY MEML INTL (5T9)

RNP APCH. ▼		MISSED APPROACH: Climb to 1600 then climbing left turn to 4000 direct COKAD and hold.	
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AWOS-3 119.175	KDLF ATIS ★ 114.4 269.9	DEL RIO APP CON ★ 127.75 326.2	UNICOM 122.8 (CTAF) 0
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ELEV 887	TDZE 887
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AZOBE				KUGEC		BIRLS		1600		4000		COKAD	
3500				2500		1780		2.2 NM to MESYU		0.6 NM to MESYU		MESYU	
174°				146°		3.00°		TCH 40		RW13			
6.1 NM				2.3 NM		1.6 NM		0.6		0.5			
CATEGORY		A		B		C		D					
LP MDA		1260-1		373 (400-1)						NA			
LNAV MDA		1360-1		473 (500-1)		1360-1 ³ / ₈		473 (500-1 ³ / ₈)		NA			

EAGLE PASS, TEXAS
Amdt 1C 02JAN20

28°51'N-100°31'W

MAVERICK COUNTY MEML INTL (5T9)
RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 63207 W31A	APP CRS 309°	Rwy Idg 5506 TDZE 882 Apt Elev 887
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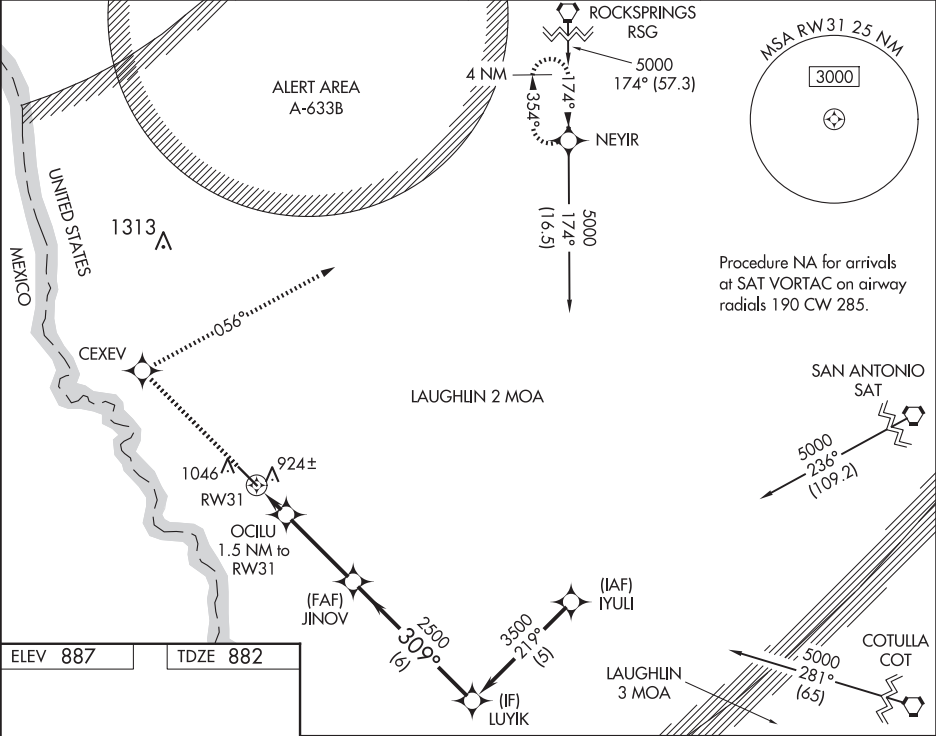
RNAV (GPS) RWY 31
MAVERICK COUNTY MEML INTL (5T9)

Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Laughlin AFB altimeter setting; when not received, use Del Rio Intl altimeter setting.

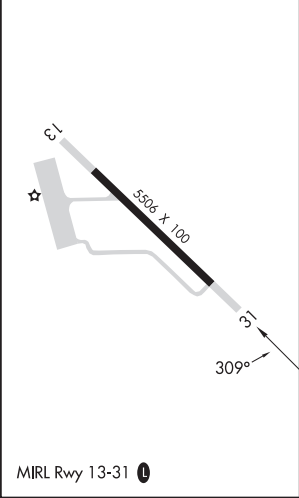
NA

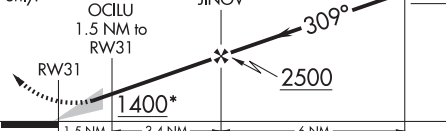
MISSED APPROACH: Climb to 4000 direct CEXEV and via 056° track to NEYIR and hold.

AWOS-3 119.175	KDLF ATIS★ 114.4 269.9	DEL RIO APP CON ★ 127.75 326.2	UNICOM 122.8 (CTAF) 0
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ELEV 887	TDZE 882
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4000	CEXEV	NEYIR	Procedure Turn NA	
↑	✧	tr 056°	✧	
*LNAV only.				
				
CATEGORY	A	B	C	D
LPV DA	1236-1¼ 354 (400-1¼)			NA
LNAV/ VNAV DA	1298-1½ 416 (500-1½)			NA
LNAV MDA	1280-1 398 (400-1)			NA
CIRCLING	1500-1 613 (700-1)		1500-1¾ 613 (700-1¾)	NA

EDINBURG, TEXAS

WAAS CH 77901 W14A	APP CRS 138°	Rwy Idg 5000 TDZE 75 Apt Elev 75
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RNAV (GPS) RWY 14

SOUTH TEXAS INTL AT EDINBURG (EBG)

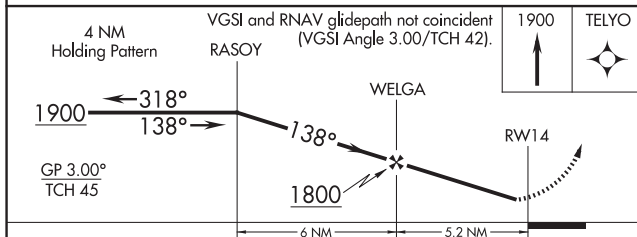
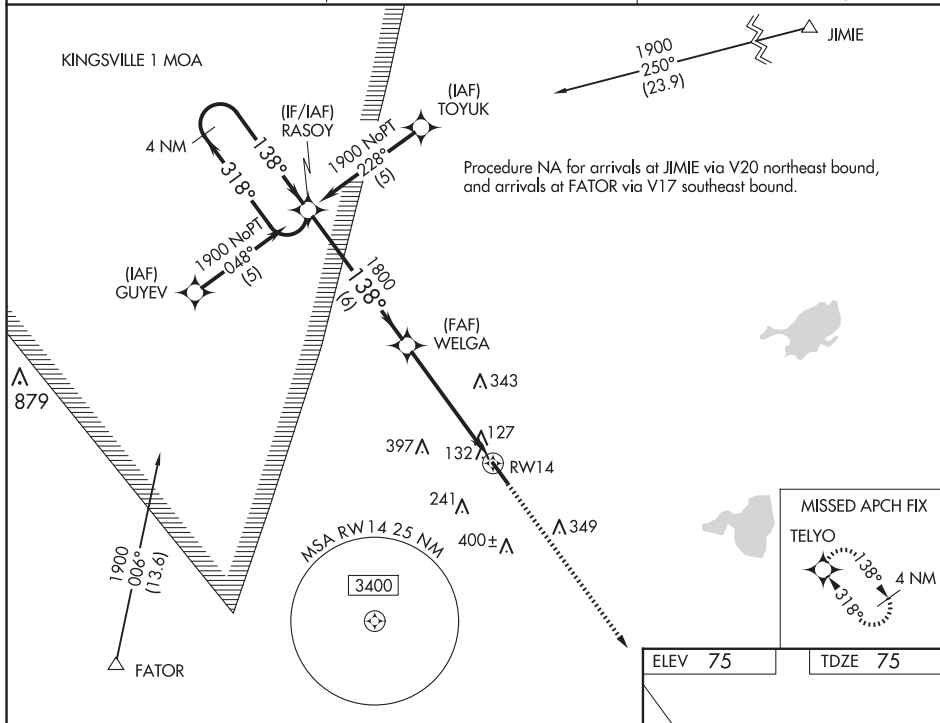
RNP APCH.



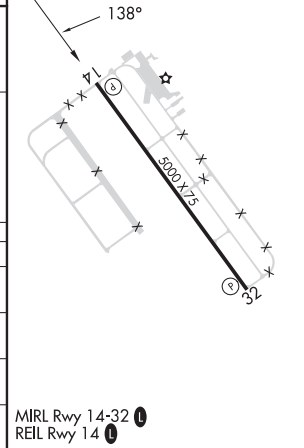
Rwy 14 helicopter visibility reduction below $\frac{3}{4}$ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA
below -15°C (5°F) or above 48°C (120°F).

MISSED APPROACH: Climb to 1900
direct TELYO and hold.

AWOS-3PT 118.025	VALLEY APP CON 126.55 377.2	UNICOM 122.8 (CTAF) L
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CATEGORY	A	B	C	D
LPV DA	325-1 250 (300-1)			
LNAV/ VNAV DA	441-1¼ 366 (400-1¼)			
LNAV MDA	440-1 365 (400-1)			440-1¼ 365 (400-1¼)
CIRCLING	500-1¼ 425 (500-1¼)	620-1¼ 545 (600-1¼)	760-2 685 (700-2)	760-2¼ 685 (700-2¼)



EDINBURG, TEXAS

Orig-A 22APR21

SOUTH TEXAS INTL AT EDINBURG (EBG)

26°27'N-98°07'W

RNAV (GPS) RWY 14

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 70701 W32A	APP CRS 318°	Rwy Idg 5000 TDZE 73 Apt Elev 75
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RNAV (GPS) RWY 32

SOUTH TEXAS INTL AT EDINBURG (E.BG)

RNP APCH-GPS.

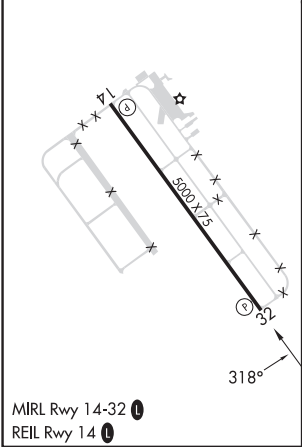
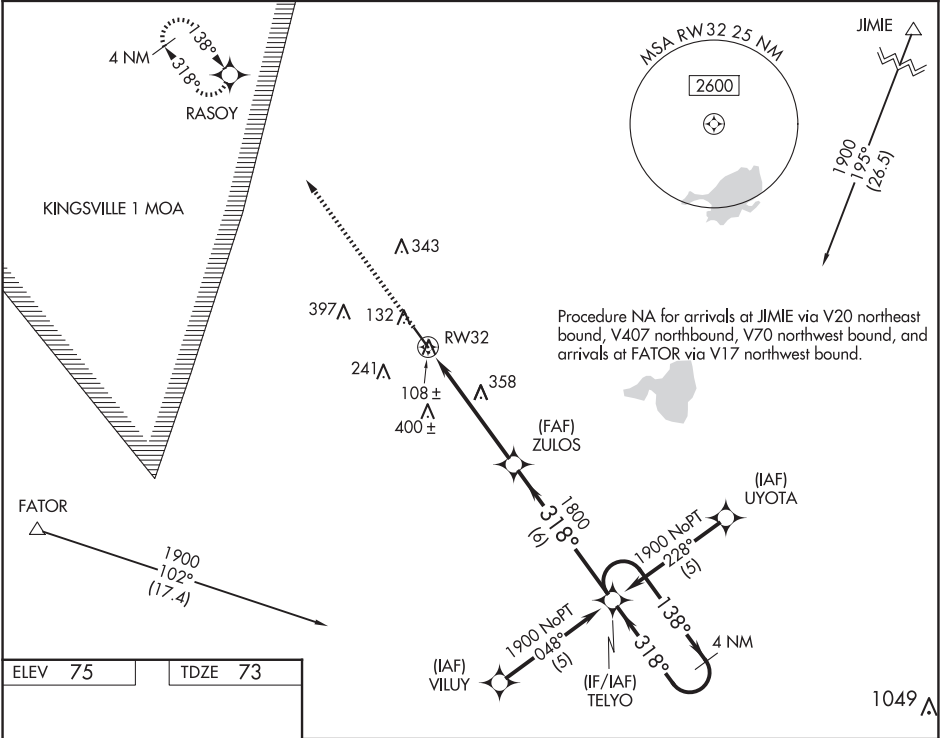
▼

⚠

Rwy 32 helicopter visibility reduction below $\frac{3}{4}$ SM NA.
For uncompensated Baro-VNAV systems LNAV/VNAV
NA below -15°C or above 48°C.

MISSED APPROACH: Climb to 1900 direct RASOY and hold.

AWOS-3PT 118.025	VALLEY APP CON 126.55 377.2	UNICOM 122.8 (CTAF) 0
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1900	RASOY	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 45).			
				4 NM	Holding Pattern
*LNAV only.		*1.8 NM to RW32	ZULOS	138°	1900
				318°	
				1800	
		1.8	3.4 NM	6 NM	
CATEGORY	A	B	C	D	
LPV DA	323- $\frac{3}{4}$ 250 (300- $\frac{3}{4}$)				
LNAV/VNAV DA	361-1 288 (300-1)				
LNAV MDA	660-1	587 (600-1)	660-1 $\frac{1}{2}$ 587 (600-1 $\frac{1}{2}$)	660-1 $\frac{3}{4}$ 587 (600-1 $\frac{3}{4}$)	
CIRCLING	660-1	585 (600-1)	760-2 685 (700-2)	760-2 $\frac{1}{4}$ 685 (700-2 $\frac{1}{4}$)	

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

EL PASO, TEXAS

AL-134 (FAA)

25163

LOC/DME I-ELP 111.5 Chan 52	APP CRS 222°	Rwy Ldg TDZE 3950 Apt Elev 3962
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ILS or LOC RWY 22

EL PASO INTL (ELP)

RADAR required when R-5103 in use.

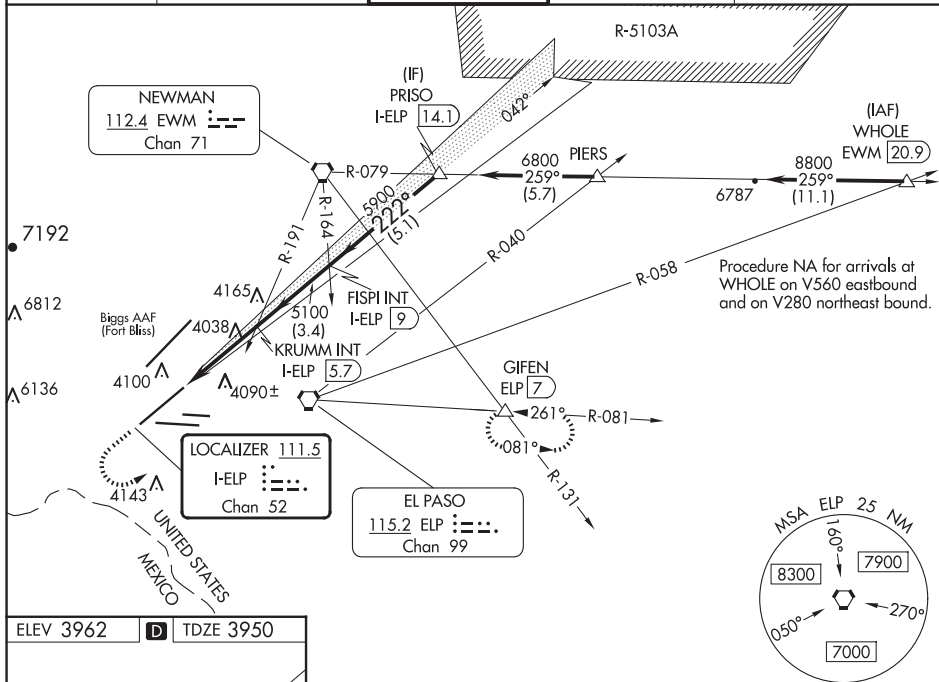
MALSR



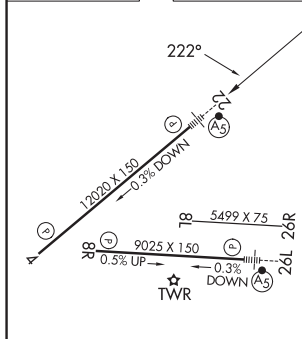
MISSED APPROACH: Climb to 4600 then climbing left turn to 8000 on heading 050° and on ELP VORTAC R-081 to GIFEN INT/ELP 7 DME and hold, continue climb-in-hold to 8000.

T Circling NA for Cat D and E north of Rwy 26R and northwest of Rwy 4.
A For inop ALS, increase S-LS 22 Cat E visibility to RVR 4000, S-LOC 22 ASR Cts C/D/E to RVR 5500.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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ELEV 3962	D	TDZE 3950
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MIRL Rwy 8L-26R
 REIL Rws 4 and 8R
 HIRL Rws 4-22 and 8R-26L
 FAF to MAP 3.4 NM

Knots	60	90	120	150	180
Min:Sec	3:24	2:16	1:42	1:22	1:08

EL PASO, TEXAS
 Amdt 33 29DEC22

4600	8000	ELP R-081	GIFEN △	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).	
↑	hdg 050°				
Use I-ELP DME when on the localizer course.					
CATEGORY	A	B	C	D	E
S-ILS 22	4150/24 200 (200-½)				
S-LOC 22	4300/24	350 (400-½)	4300/30	350 (400-¾)	
CIRCLING	4420-1 458 (500-1)	4440-1 478 (500-1)	4480-1½ 518 (600-1½)	4680-2¼ 718 (800-2¼)	4700-2½ 738 (800-2½)

31°48'N-106°23'W

ILS or LOC RWY 22

EL PASO INTL (ELP)

SC-3, 12 JUN 2025 to 07 AUG 2025

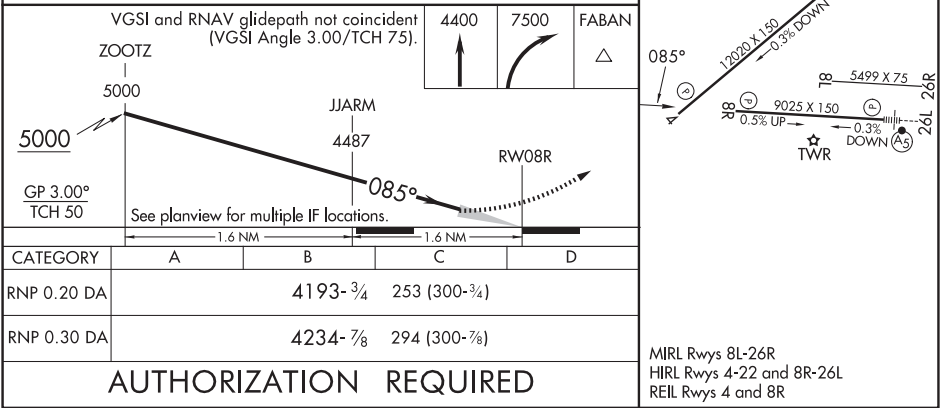
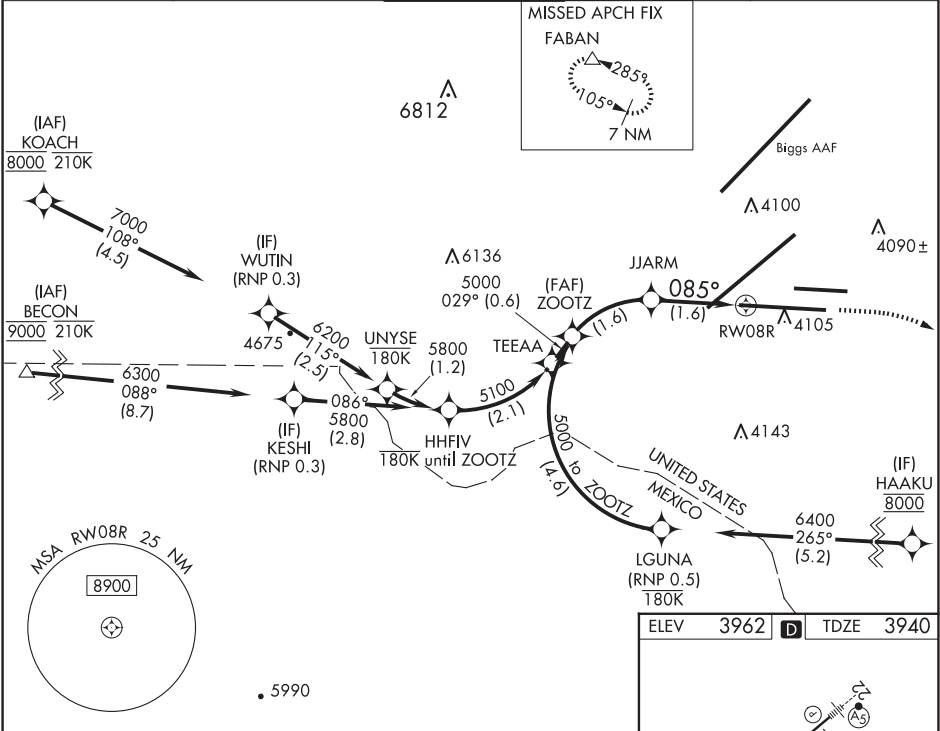
APP CRS	Rwy Ldg	9025
085°	TDZE	3940
	Apt Elev	3962

RNAV (RNP) X RWY 8R

EL PASO INTL (ELP)

RNP AR APCH. RF required.		MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.
ASR	For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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EL PASO, TEXAS

AL-134 (FAA)

25163

APP CRS	Rwy Ldg	12020
042°	TDZE	3923
	Apt Elev	3962

RNAV (RNP) Y RWY 4

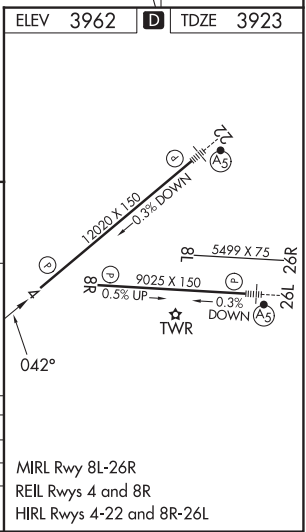
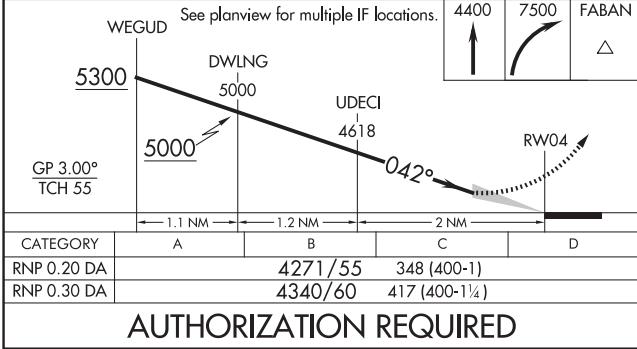
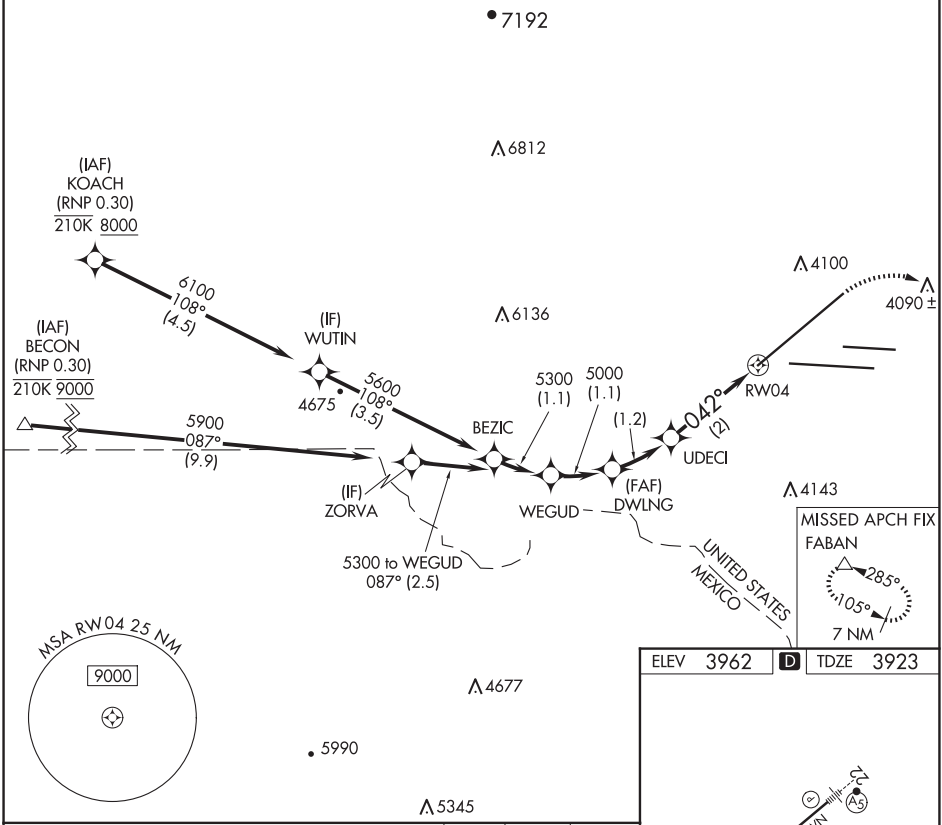
EL PASO INTL (ELP)

RNP AR APCH. RF required.

▼ For uncompensated Baro-VNAV systems, procedure NA below -22°C ASR or above 54°C.

MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



EL PASO, TEXAS

Orig-F 26MAR20

31°48'N-106°23'W

RNAV (RNP) Y RWY 4

EL PASO INTL (ELP)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

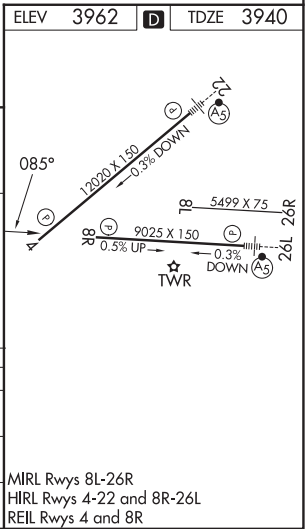
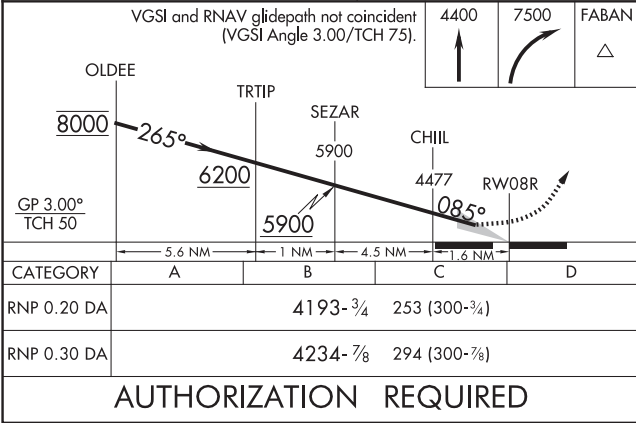
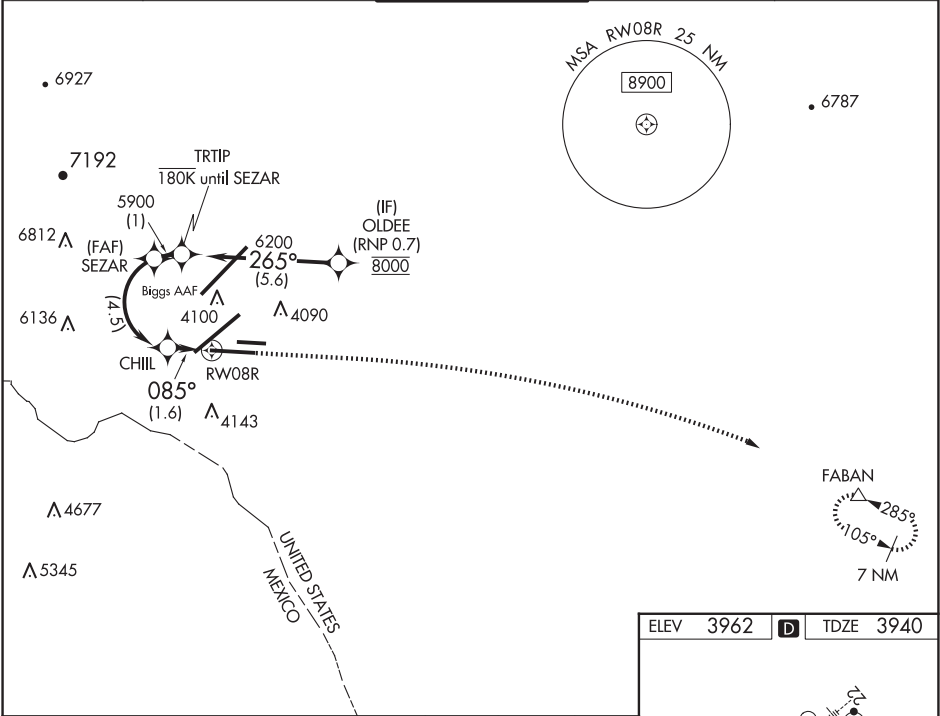
APP CRS	Rwy Ldg	9025
085°	TDZE	3940
	Apt Elev	3962

RNAV (RNP) Y RWY 8R

EL PASO INTL (ELP)

RNP AR APCH. RF required.		MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.
T ASR	For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



EL PASO, TEXAS

AL-134 (FAA)

25163

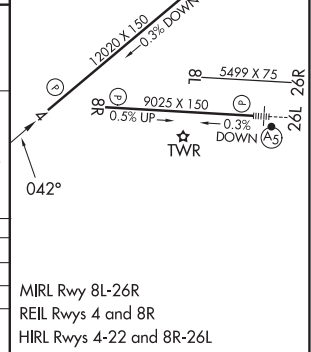
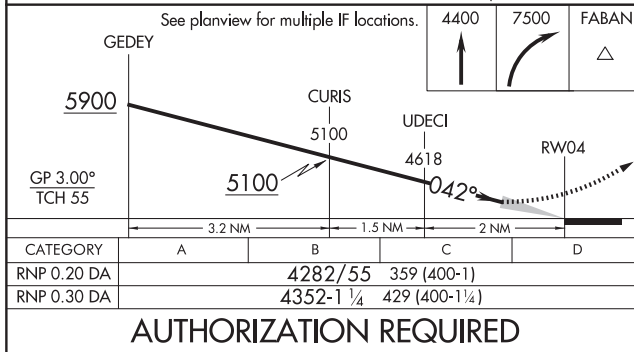
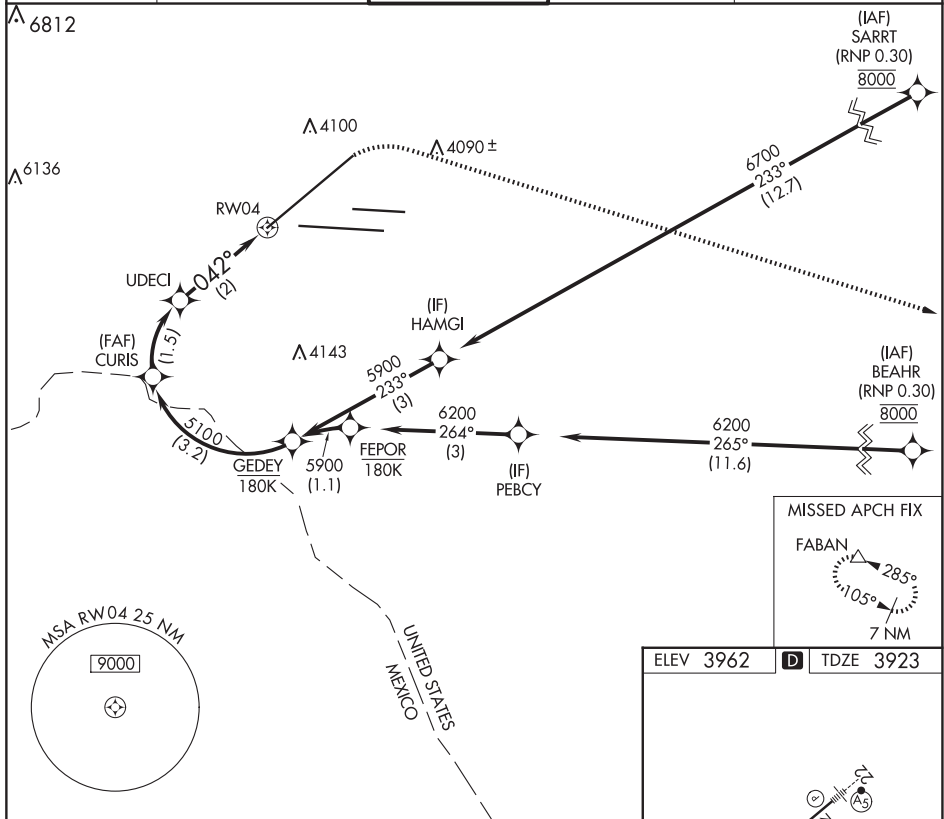
APP CRS	Rwy Ldg	12020
042°	TDZE	3923
	Apt Elev	3962

RNAV (RNP) Z RWY 4

EL PASO INTL (ELP)

RNP AR APCH. RF required.		MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.
ASR	For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



EL PASO, TEXAS

Orig-E 26MAR20

31°48'N-106°23'W

EL PASO INTL (ELP)

RNAV (RNP) Z RWY 4

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS
222°

Rwy Ldg
12020

TDZE
3950

Apt Elev
3962

RNAV (RNP) Z RWY 22

EL PASO INTL (ELP)

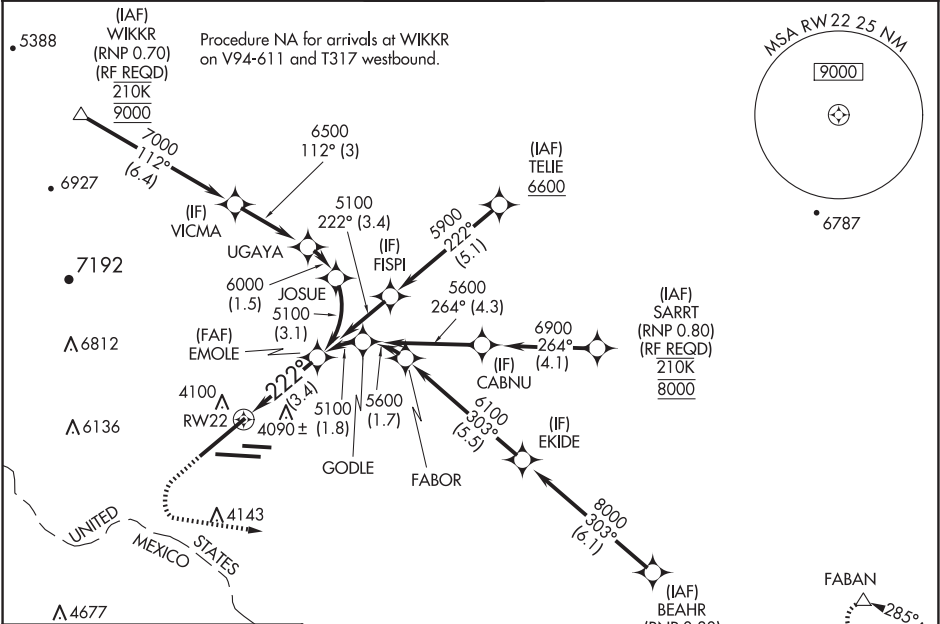
RNP AR APCH.

▼ For uncompensated Baro-VNAV systems, procedure NA below -8°C or above 54°C. For inop ALS, increase RNP 0.10 all Cats visibility to RVR 4000 and RNP 0.30 all Cats visibility to RVR 4500.

MALSR

MISSED APPROACH: Climb to 4400 then climbing left turn to 7500 direct FABAN and hold.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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ELEV 3962

D

TDZE 3950

MIRL Rwy 8L-26R

REIL Rws 4 and 8R

HIRL Rws 4-22 and 8R-26L

4400

7500

FABAN

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 70).

RW22

See planview for multiple IF locations.

3.4 NM

CATEGORY	A	B	C	D
RNP 0.10 DA		4200/24	250 (300-½)	
RNP 0.30 DA		4270/27	320 (400-⅝)	

EMOLE 5100

GP 3.00° TCH 55

APP CRS
265°

Rwy Ldg
TDZE
Apt Elev
9025
3962
3962

RNAV (RNP) Z RWY 26L
EL PASO INTL (ELP)

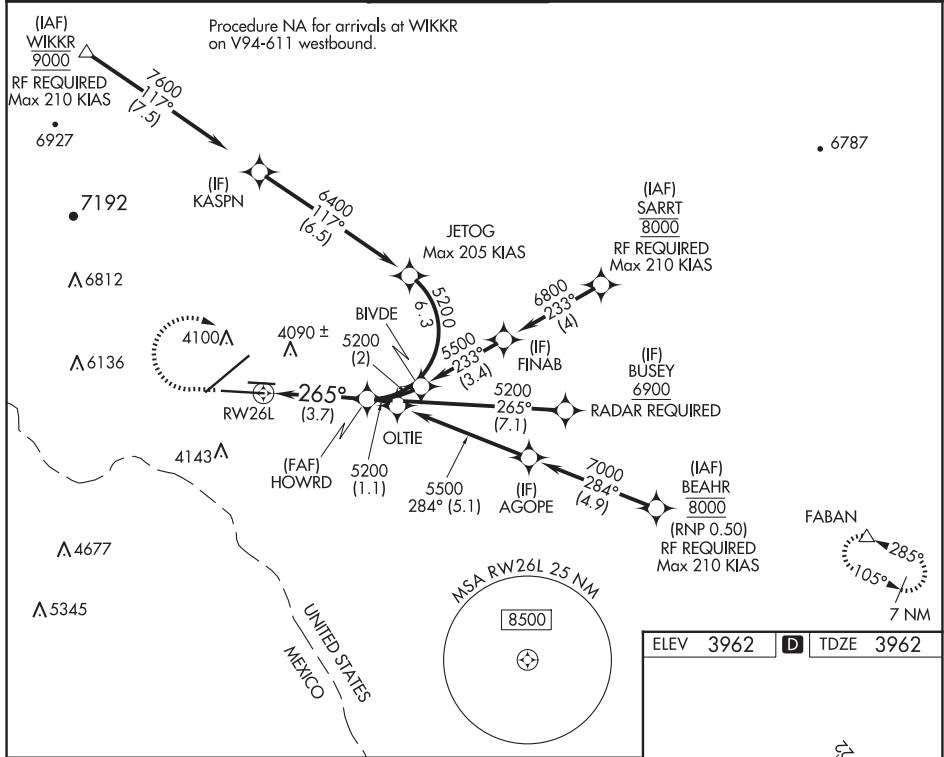
ASR

For uncompensated Baro-VNAV systems, procedure NA below -8°C (18°F) or above 50°C (122°F). For inop MALS, increase RNP 0.30 visibility all Cats to 1 mile. GPS Required.

MALS

MISSED APPROACH: Climb to 4400, then climbing right turn to 7500 direct FABAN and hold.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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4400

7500

FABAN

VGSI and glidepath not coincident (VGSI Angle 3.00/TCH 75).

See planview for multiple IF locations.

CATEGORY	A	B	C	D
RNP 0.30 DA	4275-1/2 313 (400-1/2)			

AUTHORIZATION REQUIRED

ELEV 3962 **D** TDZE 3962

MIRL Rwy 8L-26R
REIL Rwys 4 and 8R
HIRL Rwys 4-22 and 8R-26L

APP CRS
265°

Rwy Ldg
TDZE
Apt Elev

5499
3950
3962

RNAV (GPS) RWY 26R

EL PASO INTL (ELP)

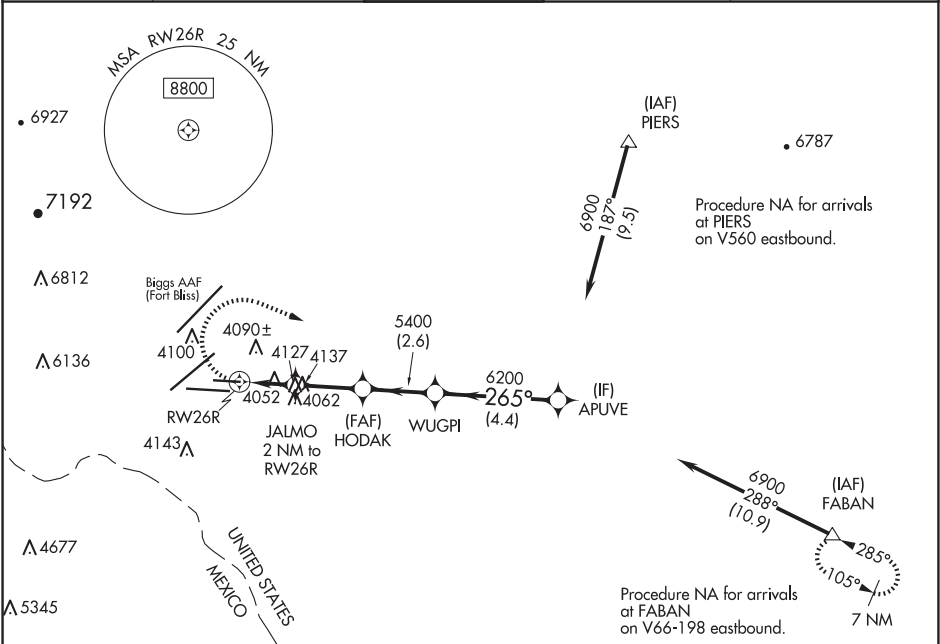
RNP APCH-GPS

ASR

Circling NA for Cat D north of Rwy 26R and northwest of Rwy 4. Rwy 26R helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climbing right turn 7500 direct FABAN and hold.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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ELEV 3962

D

TDZE 3950

12020 X 150

0.3% DOWN

265°

5499 X 75

0.3% DOWN

26L

9025 X 150

0.5% UP

TWR

7500 FABAN

JALMO 2 NM to RW26R

HODAK

WUGPI

APUVE

6900

6200

5400

4620

1.3 NM to RW26R

0.7

2.4 NM

2.6 NM

4.4 NM

CATEGORY	A	B	C	D
LNVA MDA	4400-1	450 (500-1)	4400-1 3/8	450 (500-1 3/8)
CIRCLING	4420-1 458 (500-1)	4440-1 478 (500-1)	4480-1 1/2 518 (600-1 1/2)	4680-2 1/4 718 (800-2 1/4)

MIRL Rwy 8L-26R
REIL Rwy 4 and 8R
HIRL Rwy 4-22 and 8R-26L

EL PASO, TEXAS

AL-134 (FAA)

25163

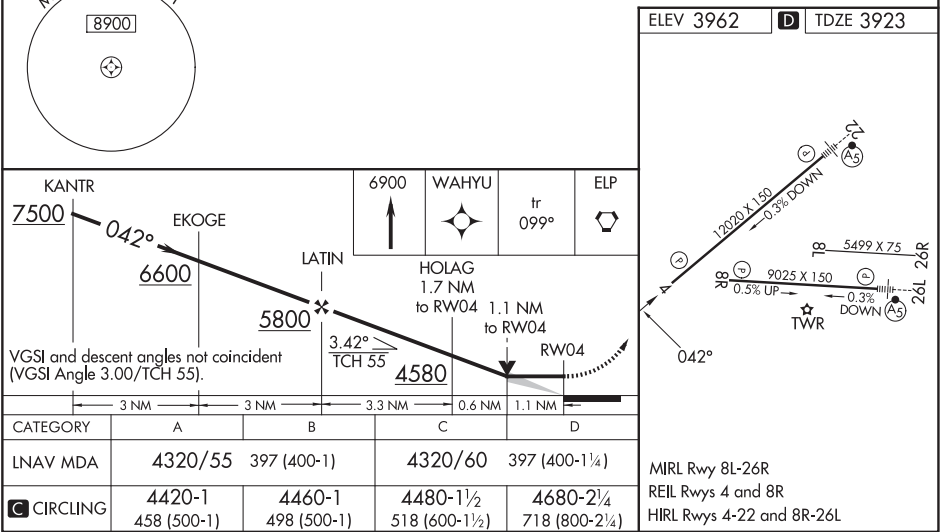
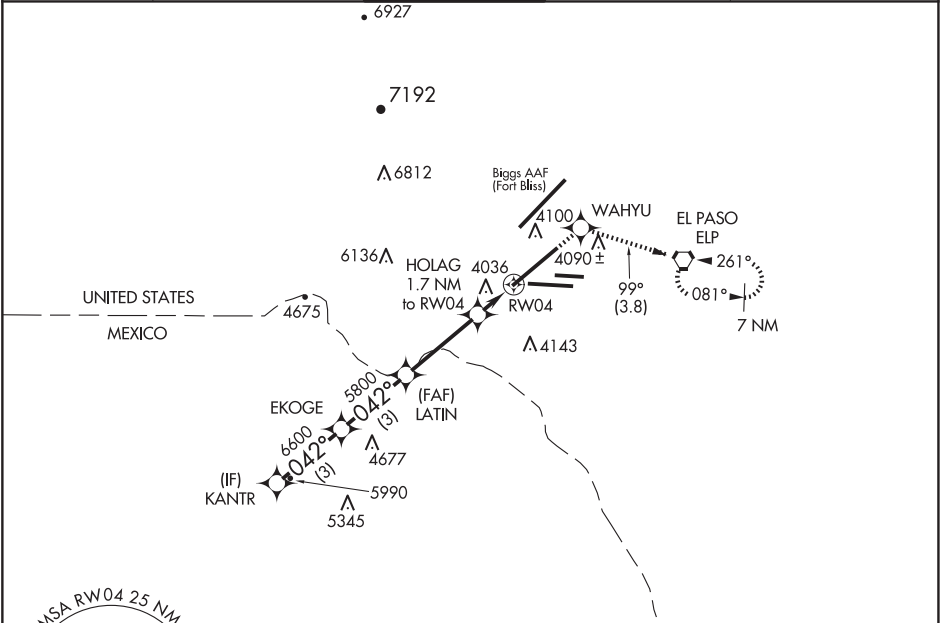
APP CRS 042°	Rwy Ldg TDZE Apt Elev 12020 3923 3962
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RNAV (GPS) X RWY 4

EL PASO INTL (ELP)

RNP APCH-GPS.	MISSED APPROACH: Climb to 6900 direct WAHYU and on track 099° to ELP VORTAC and hold, continue climb-in-hold to 6900.
Circling NA for Cat D north of Rwy 26R and northwest of Rwy 4.	

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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EL PASO, TEXAS
Orig-E 29DEC22

31°48'N-106°23'W

RNAV (GPS) X RWY 4

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

EL PASO, TEXAS

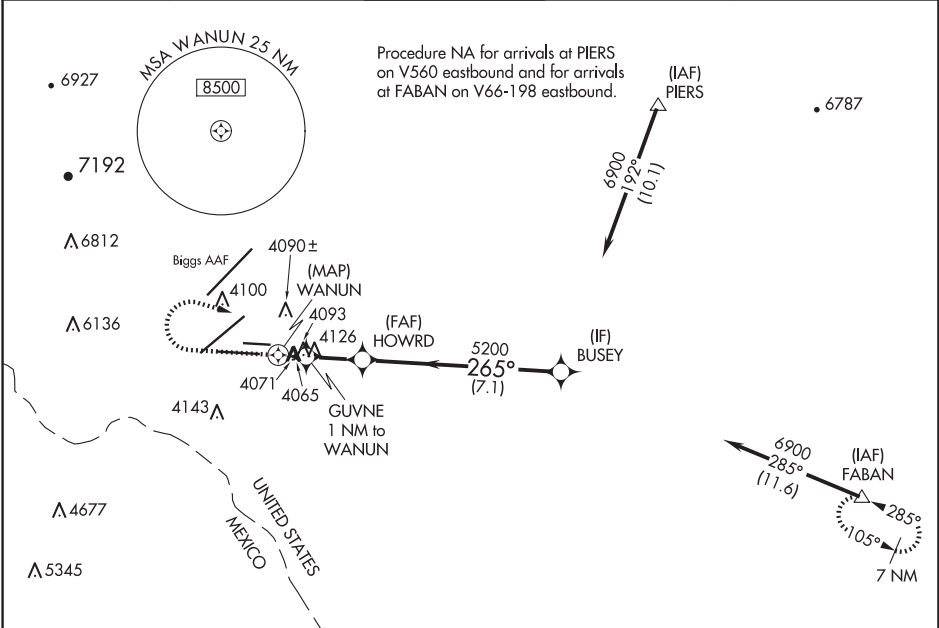
AL-134 (FAA)

25163

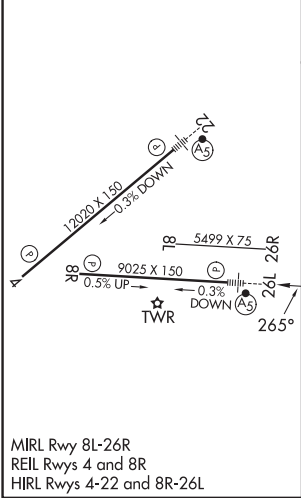
WAAS CH 40223 W26A	APP CRS 265°	Rwy Ldg TDZE Apt Elev	9025 3962 3962
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RNAV (GPS) Y RWY 26L
EL PASO INTL (ELP)

RNP APCH-GPS.		MALSR	MISSED APPROACH: Climb to 4380 then climbing right turn to 7500 direct FABAN and hold.	
Circling NA for Cat D west of Rwy 4-22. For inop ALS, increase LP and LNAV Cat A/B visibility to 1 SM, and Cat C/D to 1½ SM.				
D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1



ELEV 3962	D	TDZE 3962
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4380		7500	FABAN	VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 75).
WANUN		GUVNE 1 NM to WANUN	HOWRD	BUSEY
4540		5200	6900	
0.7		1 NM	2 NM	7.1 NM
CATEGORY	A	B	C	D
LP MDA	4380-¾ 418 (500-¾)			
LNAV MDA	4380-¾ 418 (500-¾)			
CIRCLING	4420-1 458 (500-1)	4440-1 478 (500-1)	4480-1½ 518 (600-1½)	4680-2¼ 718 (800-2¼)

EL PASO, TEXAS
Amdt 1D 06OCT22

31°48'N-106°23'W

EL PASO INTL (ELP)
RNAV (GPS) Y RWY 26L

SC-3, 12 JUN 2025 to 07 AUG 2025

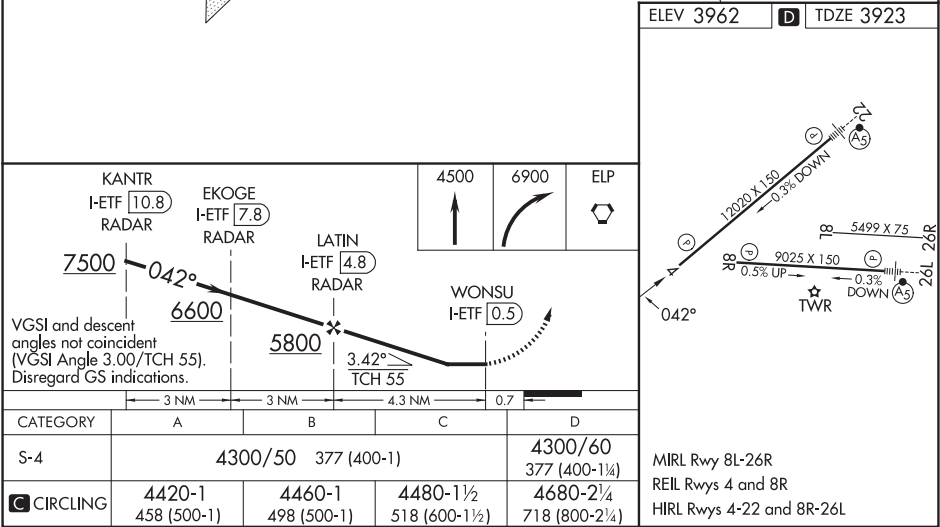
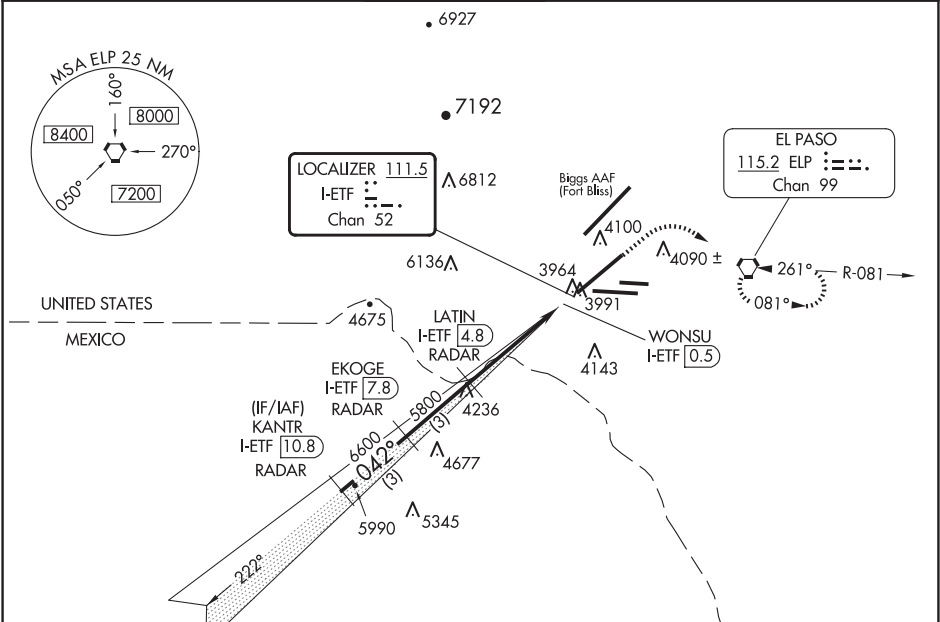
SC-3, 12 JUN 2025 to 07 AUG 2025

LOC/DME I-ETF	APP CRS	Rwy Ldg	12020
111.5	042°	TDZE	3923
Chan 52		Apt Elev	3962

LOC/DME RWY 4
EL PASO INTL (ELP)

RADAR required for procedure entry.		MISSED APPROACH: Climb to 4500 then climbing right turn to 6900 direct ELP VORTAC and hold, continue climb-in-hold to 6900.
<div><div><div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div></div></div></div><div>ASR</div></div>	Circling NA for Cat D north of Rwy 26R and northwest of Rwy 4.	

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



EL PASO, TEXAS

AL-134 (FAA)

25163

VORTAC ELP 115.2 Chan 99	APP CRS 245°	Rwy Ldg TDZE 3962 Apt Elev 3962
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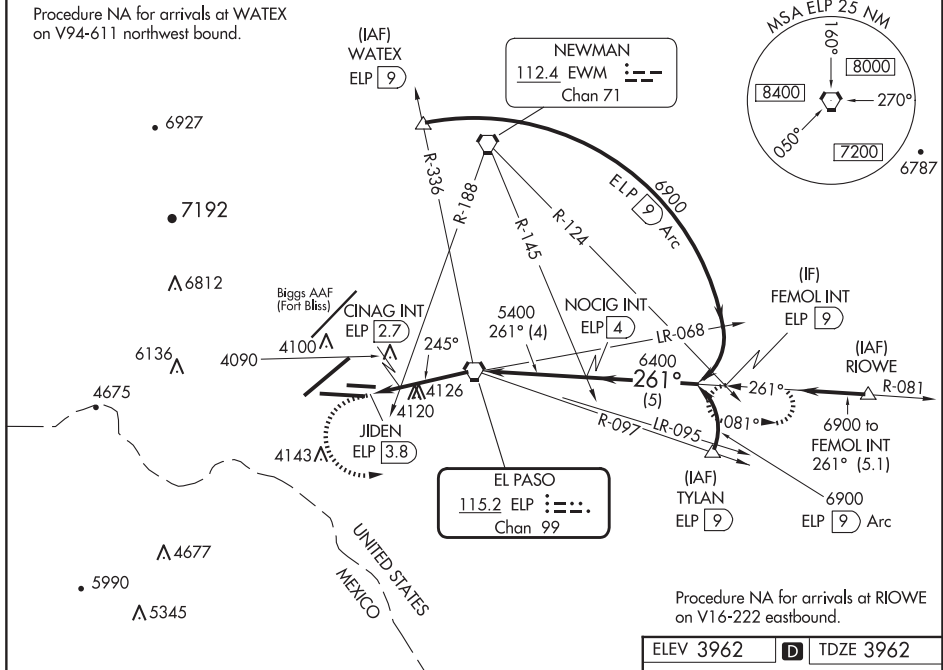
VOR RWY 26L

EL PASO INTL (ELP)

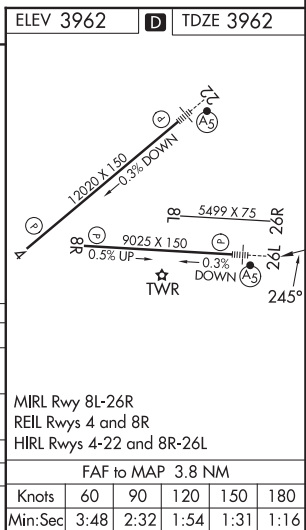
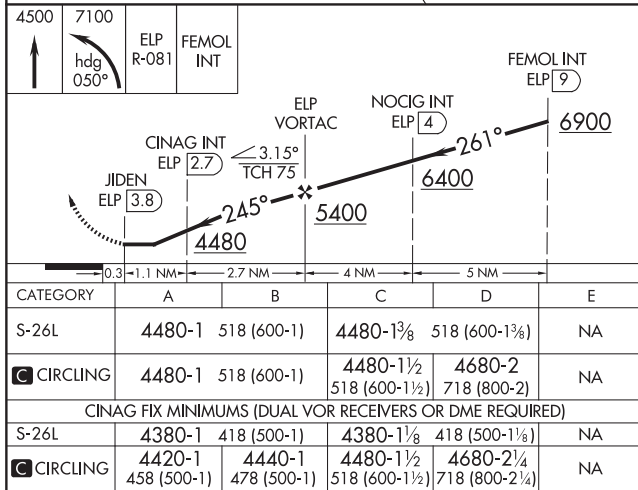
Inop table does not apply to S-26L and CINAG fix minimums S-26L. Circling NA for Cat D northwest of Rwy 4-22.		MISSED APPROACH: Climb to 4500 then climbing left turn to 7100 on heading 050° and on ELP VORTAC R-081 to FEMOL INT/9 DME and hold.
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D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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Procedure NA for arrivals at WATEX on V94-611 northwest bound.



Procedure NA for arrivals at RIOWE on V16-222 eastbound.



EL PASO, TEXAS

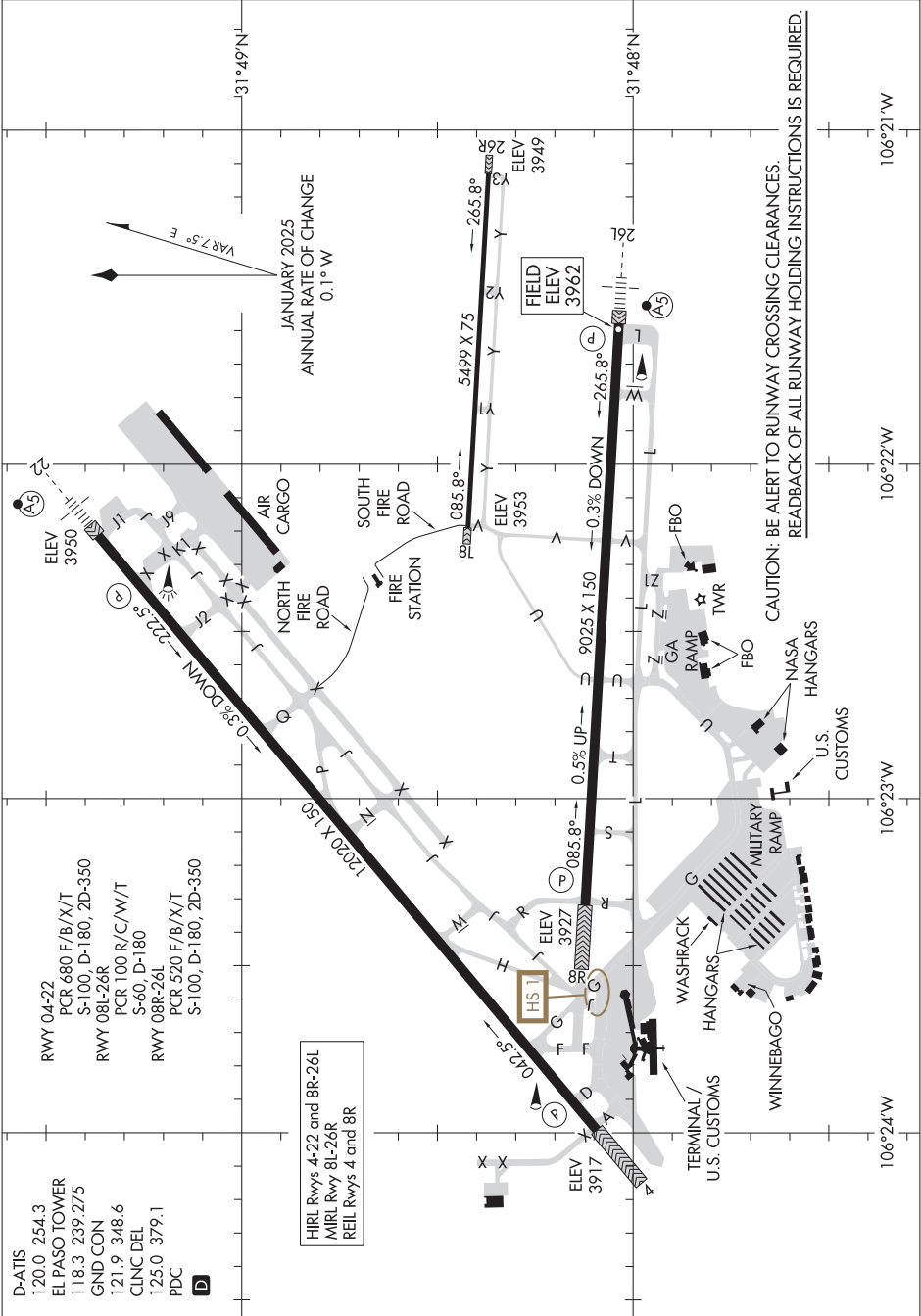
Amdt 32D 20APR23

31°48'N-106°23'W

EL PASO INTL (ELP)

VOR RWY 26L

SC-3, 12 JUN 2025 to 07 AUG 2025



**TOP ALTITUDE:
ASSIGNED BY ATC**

TAKEOFF MINIMUMS

Rwy 8R: FLOGS and NOCHI Transitions standard with minimum climb of 500' per NM to 6000. GREBE and SLNNK Transitions standard with minimum climb of 500' per NM to 13500.

Rwy 22: FLOGS and NOCHI Transitions standard with minimum climb of 515' per NM to 7200. GREBE and SLNNK Transitions standard with minimum climb of 515' per NM to 13500.

Rwy 26L: FLOGS and NOCHI Transitions standard with minimum climb of 570' per NM to 6800. GREBE and SLNNK Transitions standard with minimum climb of 570' per NM to 13500.

D-ATIS
120.0 254.3
CLINC DEL
125.0 379.1
GND CON
121.9 348.6
EL PASO TOW
118.3 239.2
EL PASO DEP
119.15 263.0
ALBUQUERQUE
128.2 285.5

121.9 348.6
EL PASO TOWER
118.3 239.275
EL PASO DEP CON
119.15 263.0
ALBUQUERQUE CI
128.2 285.5

ATKNN FIVE DEPARTURE (RNAV)
(ATKNN5.ATKNN) 21JUL16

EL PASO, TEXAS
EL PASO INTL (ELP)

(NARRATIVE ON FOLLOWING PAGE)

SC-3, 12 JUN 2025 to 07 AUG 2025

NOTE: Chart not to scale.

NOTE: Takeoff Rwy 8R, do not exceed 220K until passing JAPOD.
NOTE: Takeoff Rwy 26L, do not exceed 220K until passing 4462.
NOTE: For use by Turbojet aircraft only.
NOTE: RADAR required for non-GPS equipped aircraft.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 8R: Climb heading 085° to 6000, then right turn direct JAPOD, then on depicted route to ATKNN, thence . . .
TAKEOFF RWY 22: Climb heading 222° to 4462, then right turn direct BIVKE, then on depicted route to ATKNN, thence . . .
TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct BIVKE, then on depicted route to ATKNN, thence . . .

. . . (transition). Maintain altitude as assigned by ATC, expect filed altitude 10 minutes after departure.

- FLOGS TRANSITION (ATKNN5.FLOGS)
- GREBE TRANSITION (ATKNN5.GREBE)
- NOCHI TRANSITION (ATKNN5.NOCHI)
- SLNKK TRANSITION (ATKNN5.SLNKK)

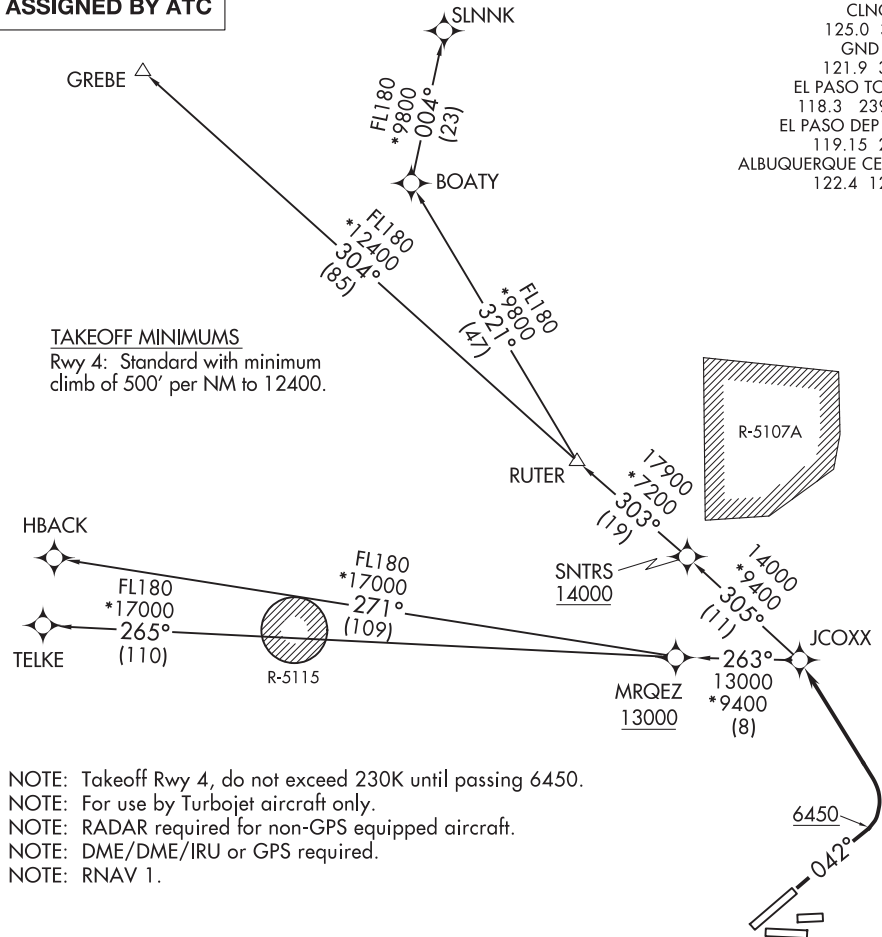
(JCOXX2.JCOXX) 20030

JCOXX TWO DEPARTURE (RNAV)

AL-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS**TOP ALTITUDE:
ASSIGNED BY ATC**

D-ATIS
120.0 254.3
CLNC DEL
125.0 379.1
GND CON
121.9 348.6
EL PASO TOWER
118.3 239.275
EL PASO DEP CON
119.15 263.0
ALBUQUERQUE CENTER
122.4 122.55



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 6450, then left turn direct JCOXX, thence. . .

. . . (transition). Maintain altitude as assigned by ATC, expect filed altitude 10 minutes after departure.

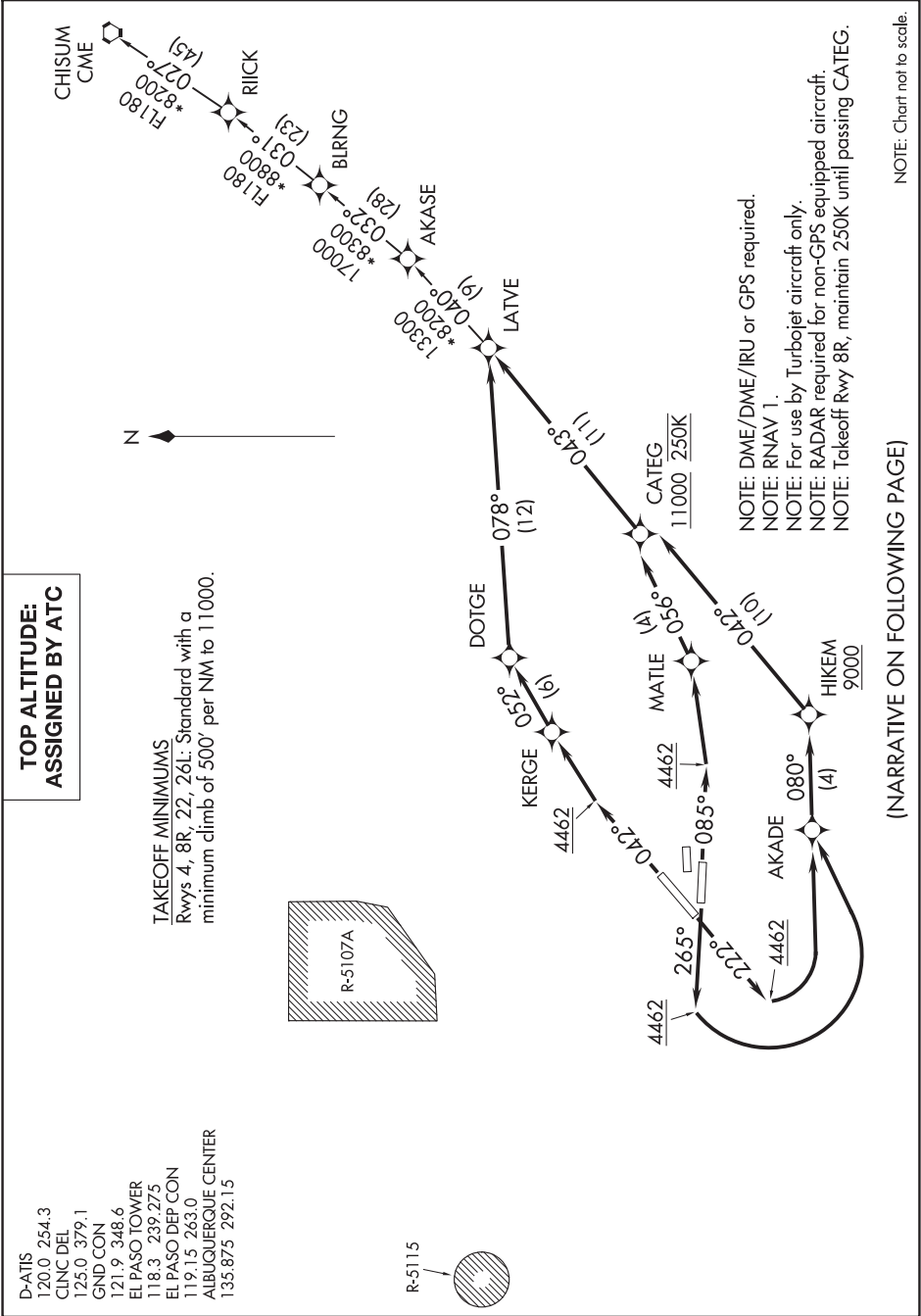
GREBE TRANSITION (JCOXX2.GREBE)HBACK TRANSITION (JCOXX2.HBACK)SLNNK TRANSITION (JCOXX2.SLNNK)TELKE TRANSITION (JCOXX2.TELKE)

JCOXX TWO DEPARTURE (RNAV)

(JCOXX2.JCOXX) 21JUL16

EL PASO, TEXAS
EL PASO INTL (ELP)

SC-3, 12 JUN 2025 to 07 AUG 2025



LATVE THREE DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 4462, then direct KERGE, then on track 052° to DOTGE, then on track 078° to LATVE. Thence. . . .

TAKEOFF RWY 8R: Climb heading 085° to 4462, then direct MATLE, then on track 056° to cross CATEG at or above 11000, then on track 043° to LATVE. Thence. . . .

TAKEOFF RWY 22: Climb heading 222° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 042° to cross CATEG at or above 11000, then on track 043° to LATVE. Thence. . . .

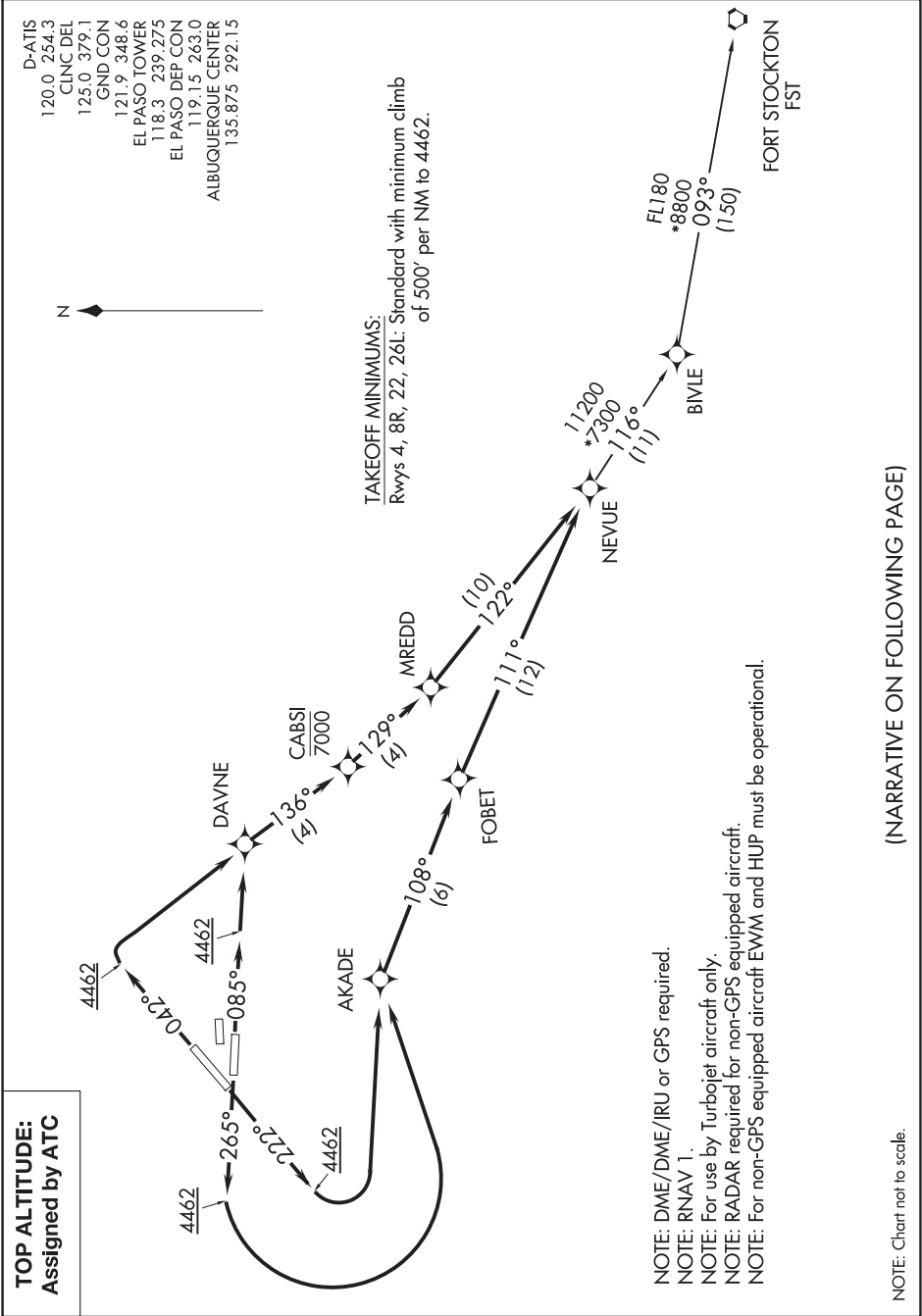
TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 042° to cross CATEG at or above 11000, then on track 043° to LATVE. Thence. . . .

. . . .on depicted route to CME VORTAC.

CHISUM TRANSITION (LATVE3.CME)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 4462, then right turn direct DAVNE, then on track 136° to cross CABSI at or below 7000, then on track 129° to MREDD, then on track 122° to NEUVE. Thence. . . .

TAKEOFF RWY 8R: Climb heading 085° to 4462, then direct DAVNE, then on track 136° to cross CABSI at or below 7000, then on track 129° to MREDD, then on track 122° to NEUVE. Thence. . . .

TAKEOFF RWY 22: Climb heading 222° to 4462, then left turn direct AKADE, then on track 108° to FOBET, then on track 111° to NEVUE. Thence. . . .

TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct AKADE, then on track 108° to FOBET, then on track 111° to NEVUE. Thence. . . .

. . . .on depicted route to FST VORTAC.

FT STOCKTON TRANSITION (NEVUE3.FST)

TDOWN THREE DEPARTURE (RNAV)



TDOWN THREE DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 4462, then right turn direct JIMBA, then on track 115° to cross BUSEY at or below 7000, then on track 083° to TDOWN. Thence

TAKEOFF RWY 8R: Climb heading 085° to 4462, then direct DAVNE, then on track 080° to cross BUSEY at or below 7000, then on track 083° to TDOWN. Thence

TAKEOFF RWY 22: Climb heading 222° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 051° to TDOWN. Thence

TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 051° to TDOWN. Thence

. . . . on depicted route to SFL VORTAC.

SALT FLAT TRANSITION (TDOWN3.SFL)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 53640 W17A	APP CRS 174°	Rwy Idg TDZE 111 Apt Elev 112
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RNAV (GPS) RWY 17

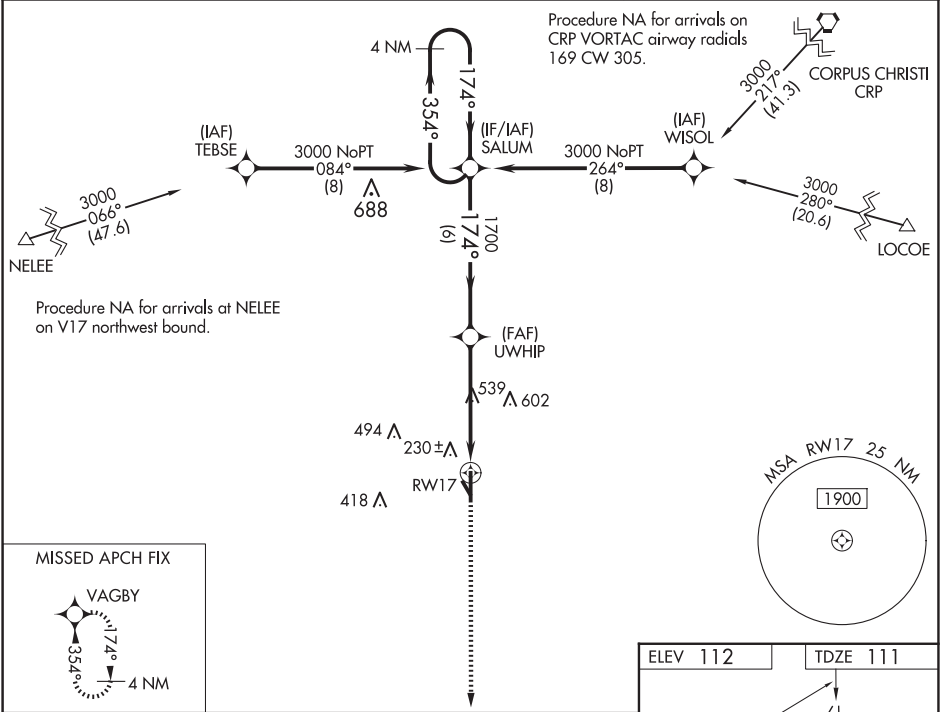
BROOKS COUNTY (BKS)

⚠

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F).
Circling Rwy 14 NA at night. Rwy 17 helicopter visibility reduction below ¾ SM NA.
DME/DME RNP-0.3 NA. Circling NA for Cat D west of Rwy 17-35.

MISSED APPROACH: Climb to 3000 direct VAGBY and hold.

AWOS-3PT 118.125	KINGSVILLE APP CON ★ 119.9 290.45	UNICOM 122.8 (CTAF) 0
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4 NM Holding Pattern		SALUM		UWHIP		RW17	
3000		←354°		174°→		*LNAV only.	
GP 3.00°		TCH 45		6 NM		2.7 NM	
CATEGORY		A		B		C	
LPV DA		361-1		250 (300-1)			
LNAV/VNAV DA		361-1		250 (300-1)			
LNAV MDA		840-1		729 (800-1)		840-2 729 (800-2)	
CIRCLING		840-1		728 (800-1)		940-2½ 828 (900-2½) 940-2¾ 828 (900-2¾)	
ELEV 112		TDZE 111		3000 VAGBY		174° to RW17	
MIRL Rwy 17-35 0		REIL Rwy 17 0		32		35	

FALFURRIAS, TEXAS

AL-6117 (FAA)

22139

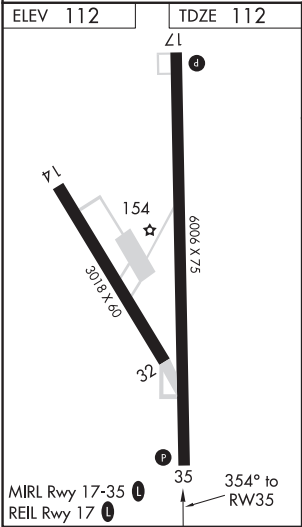
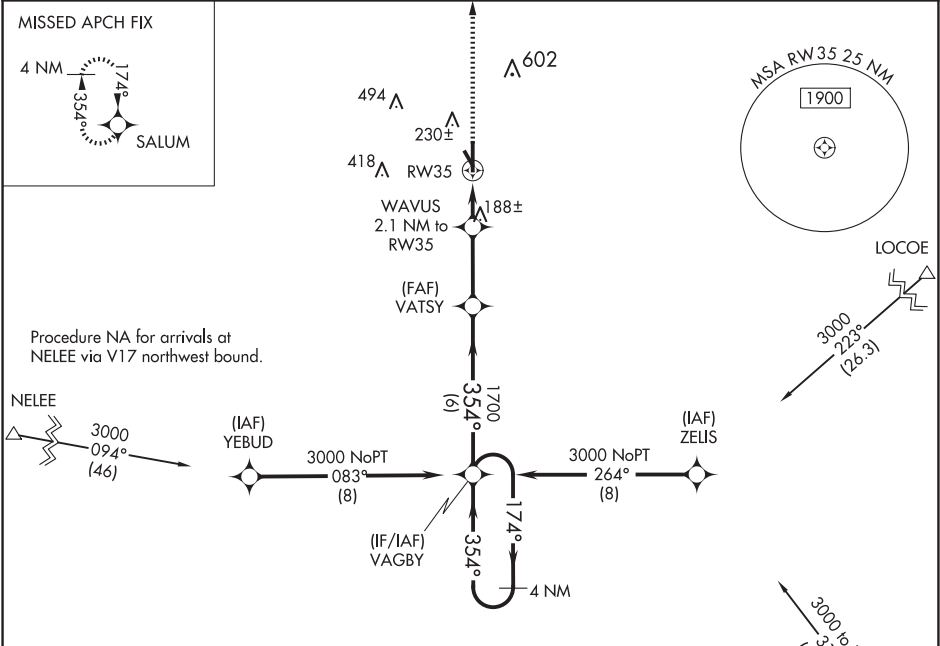
WAAS CH 49140 W35A	APP CRS 354°	Rwy Idg TDZE 112 Apt Elev 112	6006
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RNAV (GPS) RWY 35
BROOKS COUNTY (BKS)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Circling Rwy 14 NA at night. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct SALUM and hold.

AWOS-3PT 118.125	KINGSVILLE APP CON ★ 119.9 290.45	UNICOM 122.8 (CTAF) 0
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3000	SALUM	WAVUS 2.1 NM to RW35	VATUSY 1700	VAGBY	4 NM Holding Pattern
*LNAV only	*0.9 NM to RW35	*820	354°	174°	3000
0.9	1.2	2.8 NM	6 NM		
CATEGORY	A	B	C	D	
LPV DA		362-1	250 (300-1)		
LNAV/VNAV DA		362-1	250 (300-1)		
LNAV MDA		440-1	328 (400-1)		
CIRCLING	580-1 468 (500-1)	680-1 568 (600-1)	940-2½ 828 (900-2½)	940-2¾ 828 (900-2¾)	

FALFURRIAS, TEXAS
Amdt 1 17AUG17

27°12'N-98°07'W

BROOKS COUNTY (BKS)
RNAV (GPS) RWY 35

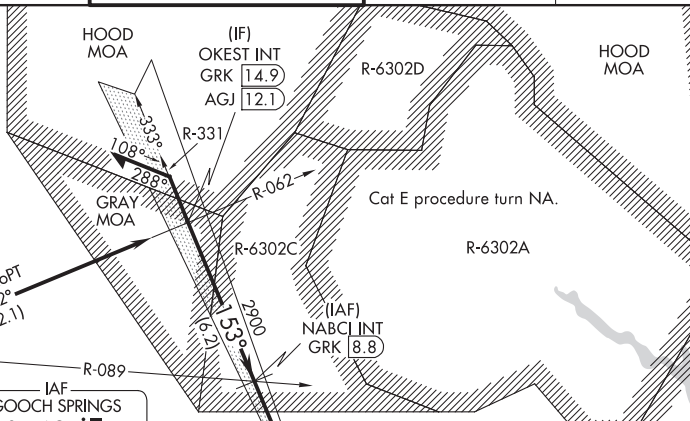
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS or LOC RWY 15

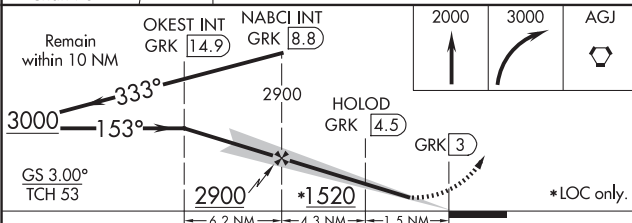
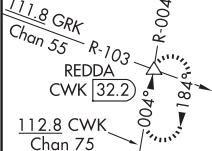
MALSR

MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct AGJ VORTAC and hold.

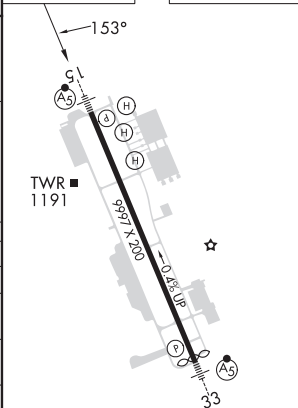


Procedure NA for arrivals
at AGJ VORTAC
on V163
and V358 southbound.

ALTERNATE MI
APCH FIX



ELEV	1015		TDZE	1015
------	------	--	------	------



HIRL Rwy 15-33					
FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

FORT CAVAZOS (KILLEEN), TEXAS

AL-906 (FAA)


23334

LOC/DME I-BTJ 109.35 Chan 30 (Y)	APP CRS 333°	Rwy Idg TDZE Apt Elev 9803 995 1015
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ILS or LOC RWY 33

ROBERT GRAY AAF (GRK)

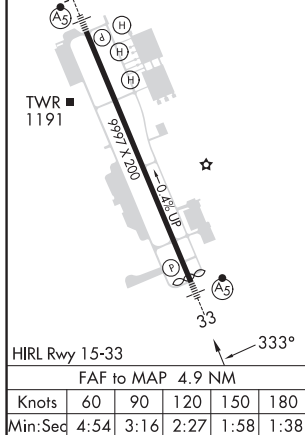
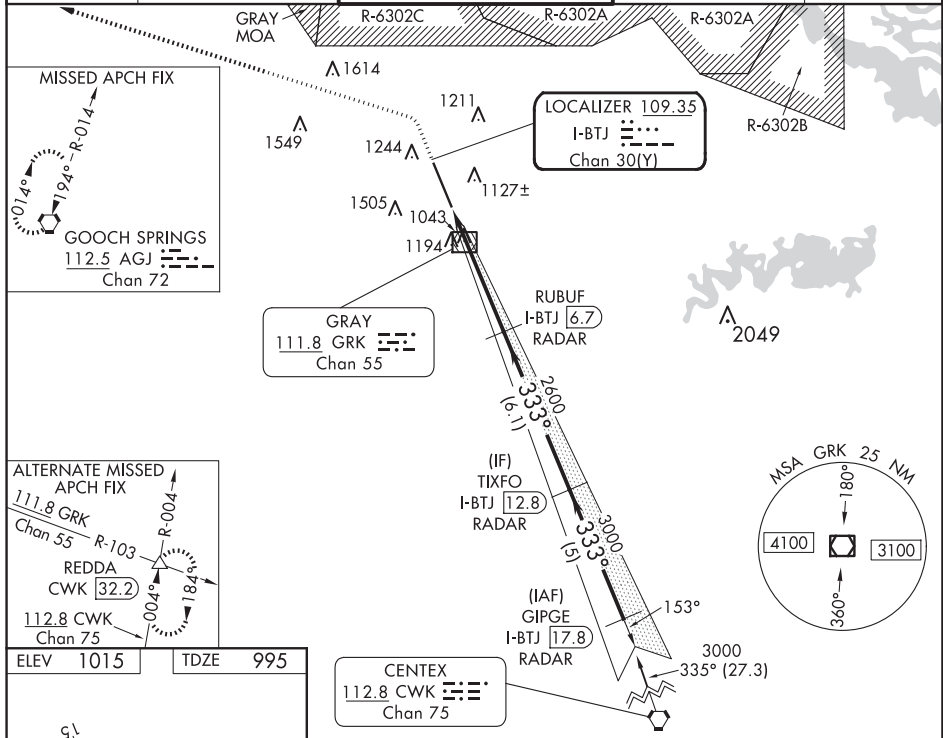
DME or RADAR required.



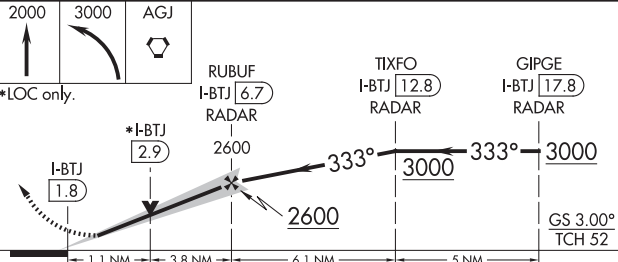

 Circling NA west of Rwy 15-33. For inop ALS, increase S-ILS 33 Cat E visibility to ¾ SM and S-LOC 33 Cat C/D/E visibility to 1 SM.
ASR/PAR



MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct AGJ VORTAC and hold.

ATIS 124.9	GRAY APP CON 120.075 323.15	GRAY TOWER 120.75 (CTAF) 285.5	GND CON 121.8 279.5	CLNC DEL 126.2 251.1
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2000 ↑	3000 ↙	AGJ 				
*LOC only.						
						
*I-BTJ 2.9						
I-BTJ 1.8						
RUBUF I-BTJ 6.7 RADAR						
TIXFO I-BTJ 12.8 RADAR						
GIPGE I-BTJ 17.8 RADAR						
GS 3.00° TCH 52						
						
CATEGORY	A		B	C	D	E
S-ILS 33	1195-½ 200 (200-½)					
S-LOC 33	1360-½ 365 (400-½)		1360-¾ 365 (400-¾)			
 CIRCLING	1540-1 525 (600-1)		1560-1½ 545 (600-1½)	1620-2 605 (700-2)	1740-2½ 725 (800-2½)	

FORT CAVAZOS (KILLEEN), TEXAS
Amdt 1E 30NOV23

31°04'N-97°50'W

ILS or LOC RWY 33

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 78099 W15A	APP CRS 153°	Rwy Idg TDZE Apt Elev	9997 1015 1015
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RNAV (GPS) RWY 15

ROBERT GRAY AAF (GRK)

RNP APCH - GPS

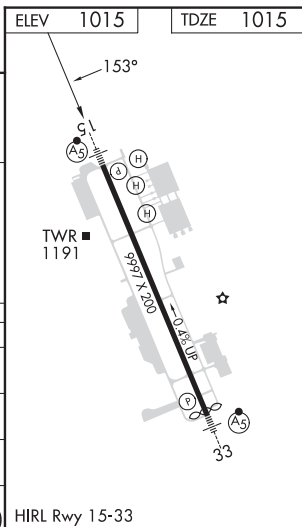
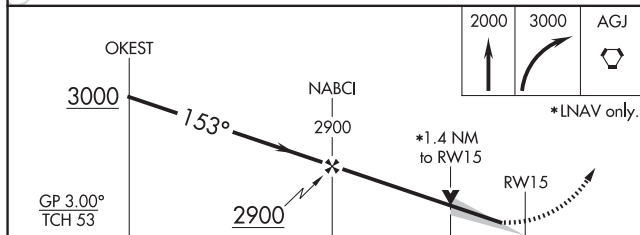
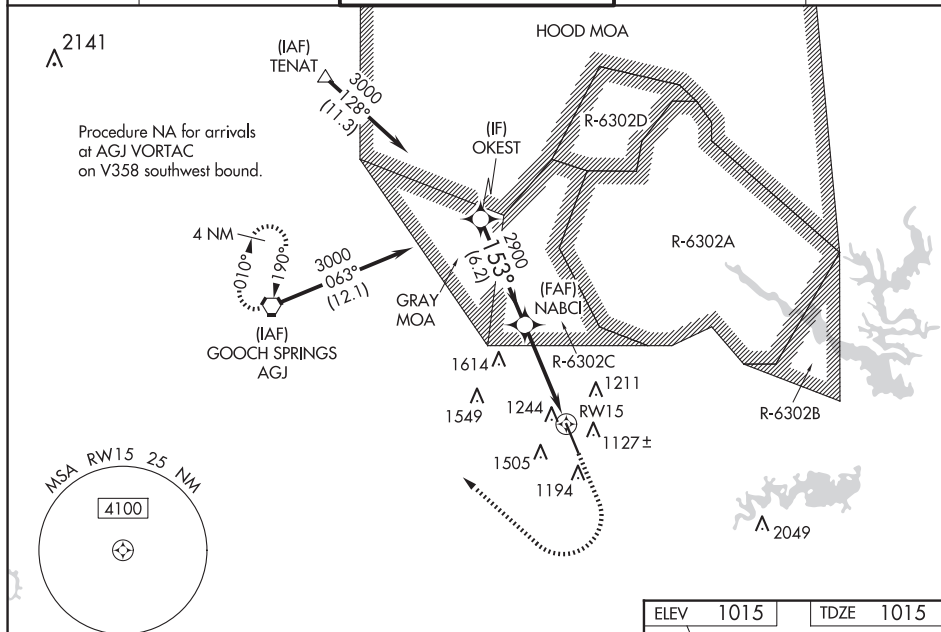
T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below
A -17°C or above 54°C. Circling NA west of Rwy 15-33.
 ASR/PAR For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV
 all Cats visibility to 1½ SM and LNAV Cats C/D/E visibility to 1½ SM.
 # RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALS



MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct AGJ VORTAC and hold.

ATIS 124.9	GRAY APP CON 120.075 323.15	GRAY TOWER 120.75(CTAF) 285.5	GND CON 121.8 279.5	CLNC DEL 126.2 251.1
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	6.2 NM		4.4 NM		1.4 NM		
CATEGORY	A	B	C	D	E		
LPV DA #	1215/24 200 (200-½)						
LNAV/ VNAV DA	1531/55 516 (600-1)						
LNAV MDA	1520/24 505 (600-½)		1520/55 505 (600-1)				
C CIRCLING	1540-1 525 (600-1)		1560-1½ 545 (600-1½)	1620-2 605 (700-2)	1740-2½ 725 (800-2½)		

FORT CAVAZOS (KILLEEN), TEXAS

AL-906 (FAA)

23334

WAAS CH 82399 W33A	APP CRS 333°	Rwy Idg TDZE Apt Elev	9803 995 1015
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RNAV (GPS) RWY 33
ROBERT GRAY AAF (GRK)

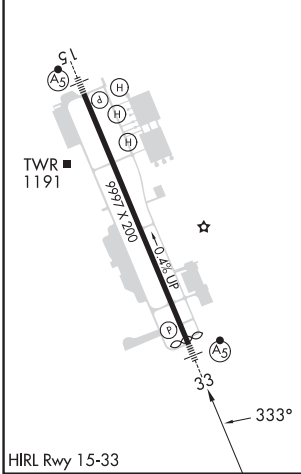
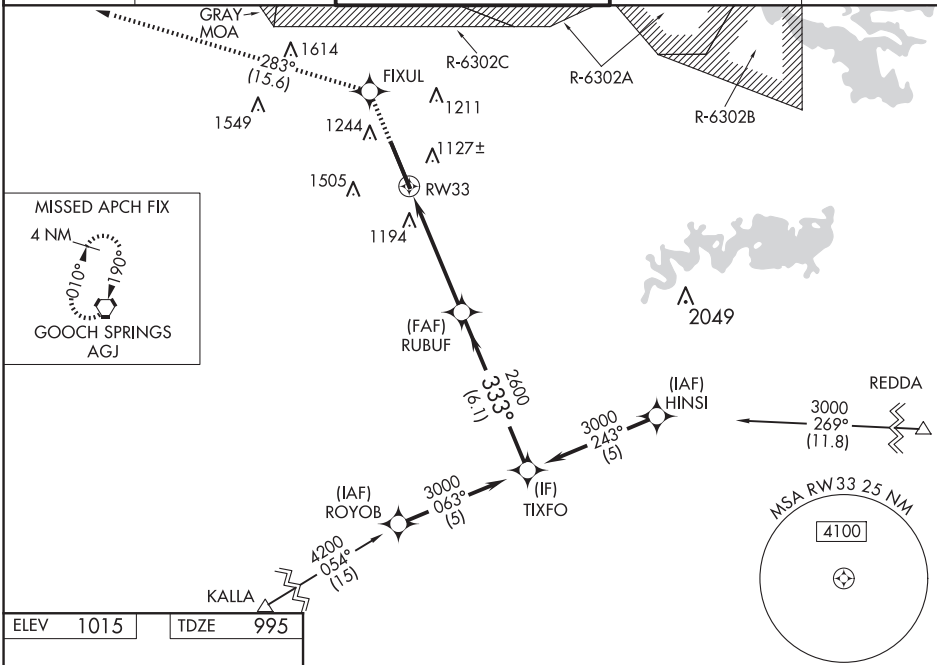
RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Circling NA west of Rwy 15-33.
For inop ALS, increase LPV Cat E visibility to ¾ SM, LNAV/VNAV Cat E visibility to 2 SM, and LNAV Cat E visibility to 1½ SM.



MISSED APPROACH: Climb to 3000 direct FIXUL and on track 283° to AGJ VORTAC and hold.

ATIS 124.9	GRAY APP CON 120.075 323.15	GRAY TOWER 120.75(CTAF) 285.5	GND CON 121.8 279.5	CLNC DEL 126.2 251.1
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3000	FIXUL	tr 283°	AGJ	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 50).	
*LNAV only.		RUBUF	2600	3000	TIXFO
RW33		*1.5 NM to RW33	2600	333°	
		1.5 NM	3.4 NM	6.1 NM	
CATEGORY	A	B	C	D	E
LPV DA	1195-½ 200 (200-½)				
LNAV/VNAV DA	1552-1½ 557 (600-1½)				
LNAV MDA	1460-½	465 (500-½)	1460-1	465 (500-1)	
CIRCLING	1540-1	525 (600-1)	1560-1½ 545 (600-1½)	1620-2 605 (700-2)	1740-2½ 725 (800-2½)

FORT CAVAZOS (KILLEEN), TEXAS
Amdt 1D 30NOV23

31°04'N-97°50'W

ROBERT GRAY AAF (GRK)
RNAV (GPS) RWY 33

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

VOR/DME GRK 111.8 Chan 55	APP CRS 152°	Rwy Idg TDZE Apt Elev	9997 1015 1015
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VOR RWY 15
ROBERT GRAY AAF (GRK)

DME required.

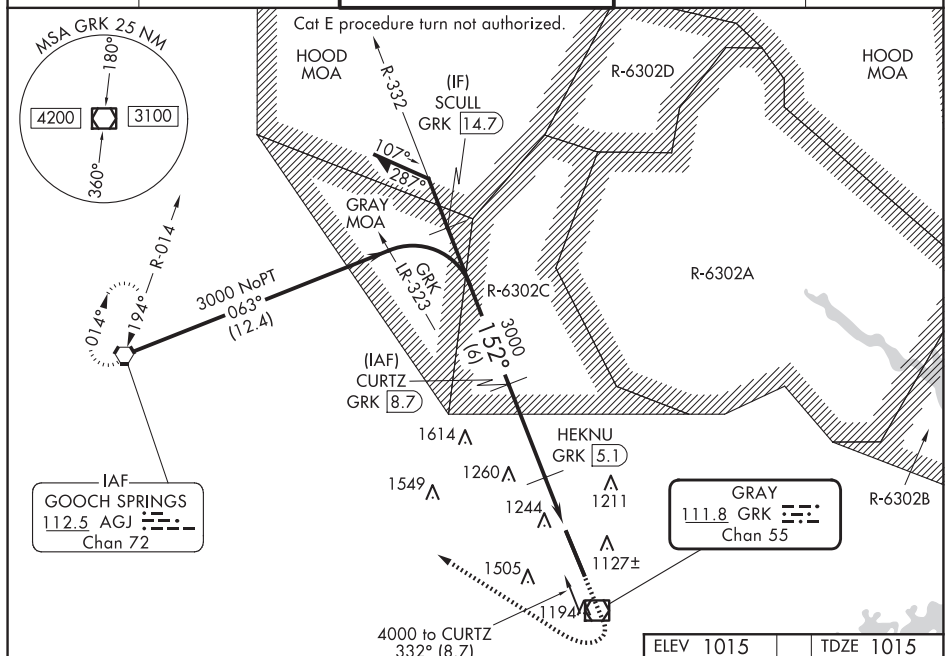
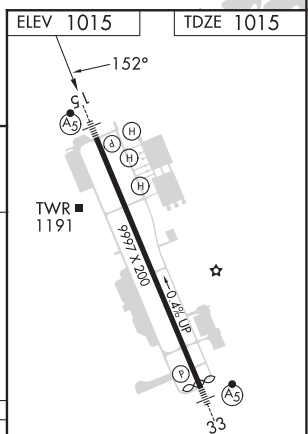
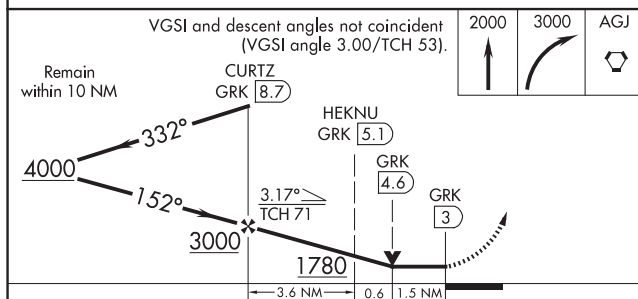


Circling NA west of Rwy 15 and 33. For inop ALS, increase S-15 Cat E visibility to $1\frac{5}{8}$ SM.



MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct AGJ VORTAC and hold.

ATIS 124.9	GRAY APP CON 120.075 323.15	GRAY TOWER 120.75(CTAF) 285.5	GND CON 121.8 279.5	CLNC DEL 126.2 251.1
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 $\Lambda 1616^\pm$ 

CATEGORY	A	B	C	D	E	33											
S-15	1560/24	545 (600-½)	1560/60 545 (600-1¼)			HIRL Rwy 15-33											
CIRCLING	1560-1 545 (600-1)		1560-15 545 (600-1½)			1620-2 605 (700-2)			1740-2½ 725 (800-2½)			FAF to MAP 5.7 NM					
												Knots 60 90 120 150 180					
												Min:Sec 5:42 3:48 2:51 2:17 1:54					

FORT CAVAZOS (KILLEEN), TEXAS

AL-906 (FAA)

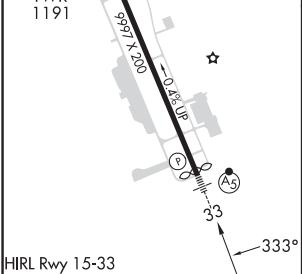
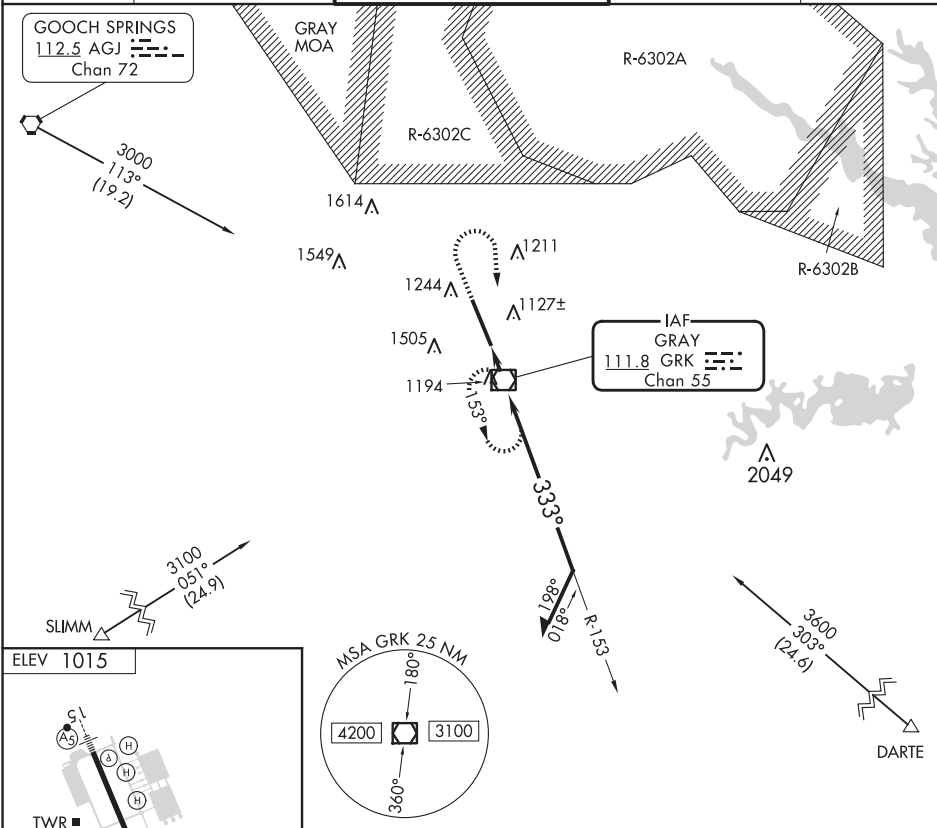
23334

VOR/DME GRK	APP CRS	Rwy Idg	N/A
111.8	333°	TDZE	N/A
Chan 55		Apt Elev	1015

VOR-A
ROBERT GRAY AAF (GRK)

NA ASR/PAR	Circling NA W of Rwy 15-33.	MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct GRK VOR/DME and hold.
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ATIS 124.9	GRAY APP CON 120.075 323.15	GRAY TOWER 120.75(CTAF) 285.5	GND CON 121.8 279.5	CLNC DEL 126.2 251.1
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2000	3000	GRK	GRK VOR/DME	Remain within 10 NM
↑	↷	◻	153°	3000
		GRK 1.4	333°	2100
		1.4 NM		
CATEGORY A B C D				
CIRCLING 1540-1 525 (600-1) 1560-1½ 545 (600-1½) 1620-2 605 (700-2)				

F15-33	F15-33	F15-33	F15-33	F15-33
60	90	120	150	180
1:24	0:56	0:42	0:34	0:28

FORT CAVAZOS (KILLEEN), TEXAS
Amdt 2D 30NOV23

31°04'N-97°50'W

ROBERT GRAY AAF (GRK)
VOR-A

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

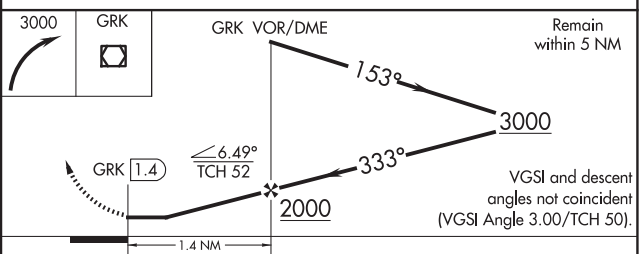
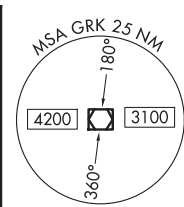
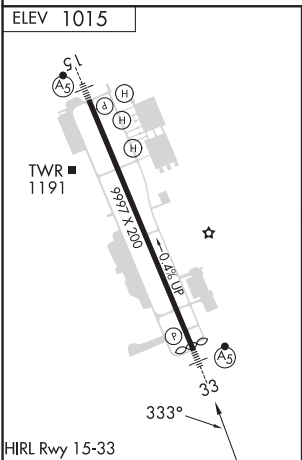
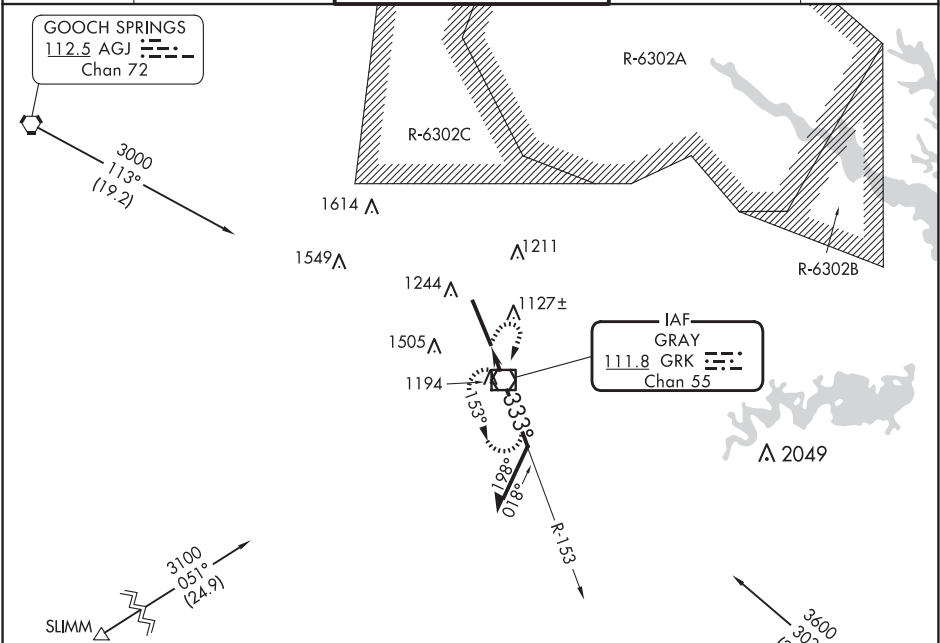
VOR/DME GRK	APP CRS	Rwy Idg	9803
111.8	333°	TDZE	N/A
Chan 55		Apt Elev	1015

COPTER VOR RWY 33

ROBERT GRAY AAF (GRK)

<div><div>NA</div><div>ASR/PAR</div></div>	<div>MALSR</div> <div><div><div></div></div></div>
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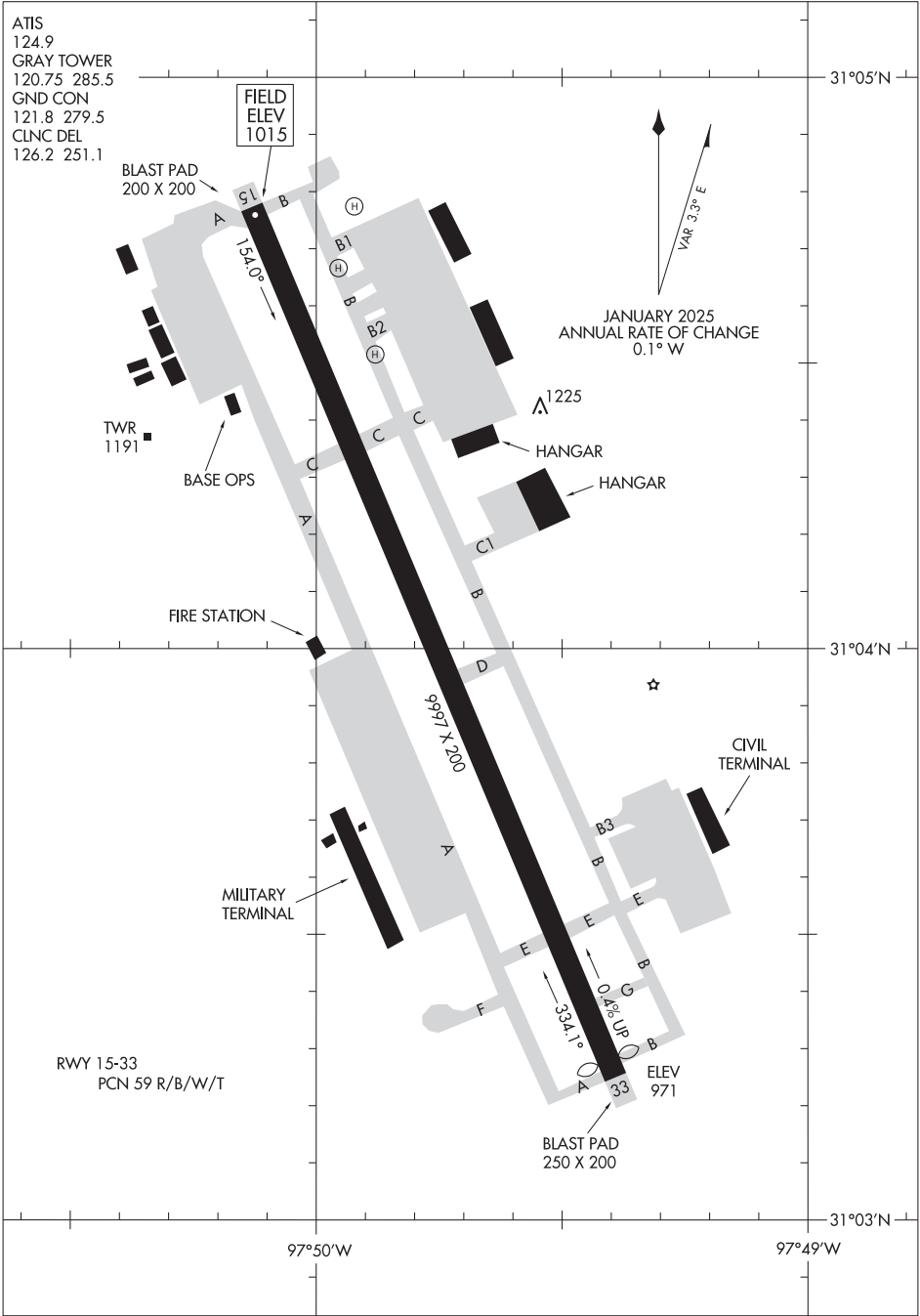
ATIS	GRAY APP CON	GRAY TOWER	GND CON	CLNC DEL
124.9	120.075 323.15	120.75 (CTAF) 285.5	121.8 279.5	126.2 251.1



FAF to MAP 1.4 NM						CATEGORY	COPTER
Knots	45	60	75	90	105	H-33	1460-¼ 465 (500-¼)
Min:Sec	1:52	1:24	1:07	0:56	0:48		

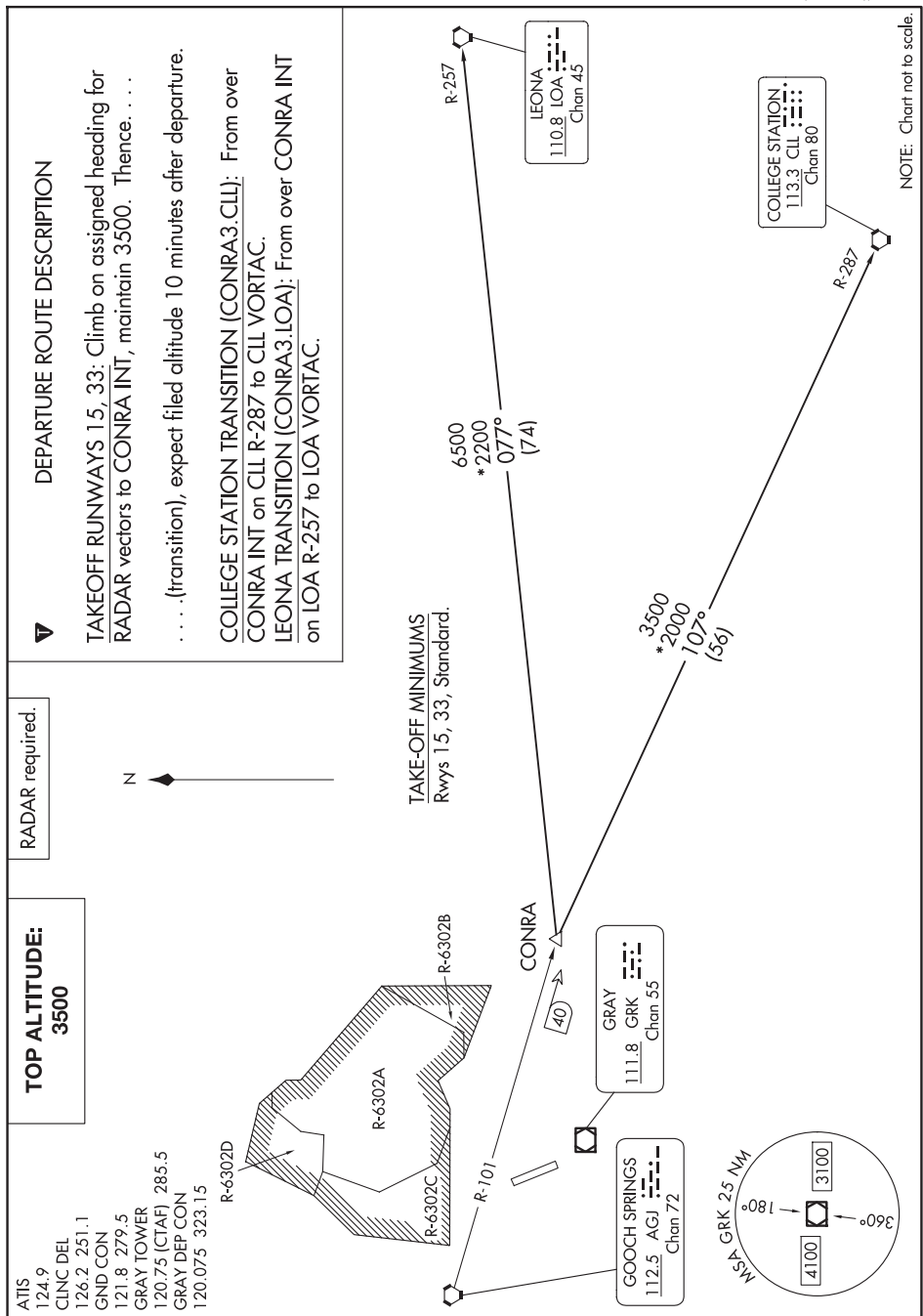
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

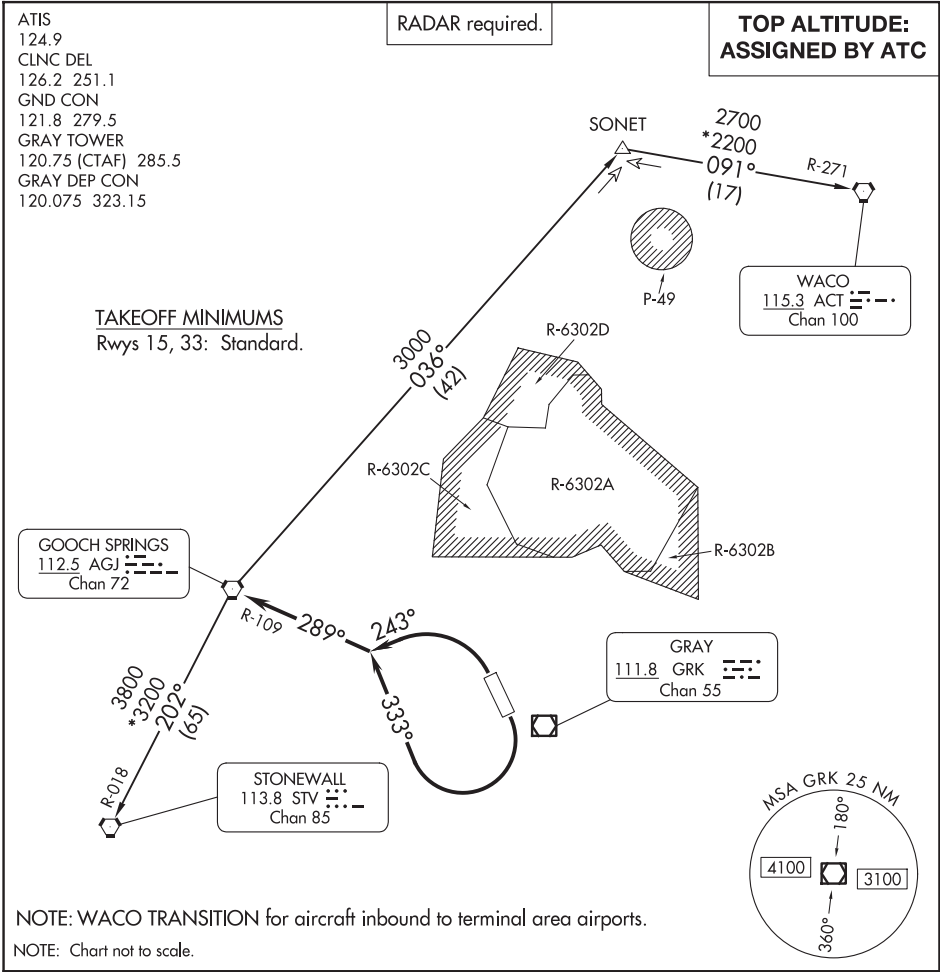


SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



LAMPS EIGHT DEPARTURE



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climbing right turn heading 333° (to assigned altitude) to intercept and proceed on AGJ R-109. Thence

TAKEOFF RUNWAY 33: Climbing left turn heading 243° (to assigned altitude) to intercept and proceed on AGJ R-109. Thence

. . . . on (transition) or (assigned route). Maintain ATC assigned altitude.

STONEWALL TRANSITION (LAMPS8.STV): From over AGJ VORTAC on AGJ R-202 and STV R-018 to STV VORTAC.

WACO TRANSITION (LAMPS8.ACT): From over AGJ VORTAC on AGJ R-036 to SONET INT, then on ACT R-271 to ACT VORTAC.

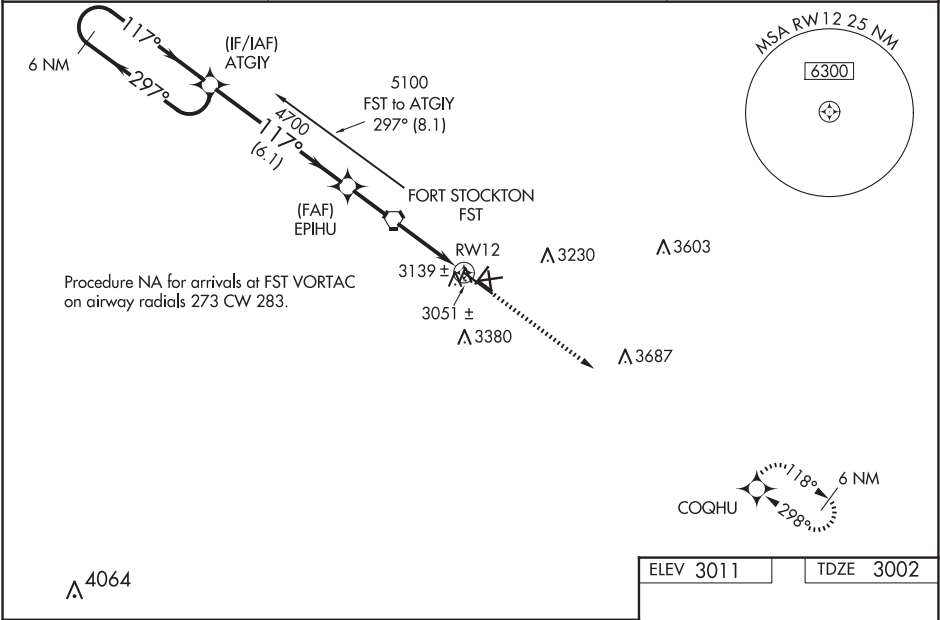
LAMPS EIGHT DEPARTURE

WAAS CH 78014 W12A	APP CRS 117°	Rwy Ldg 7508 TDZE 3002 Apt Elev 3011
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RNAV (GPS) RWY 12

FORT STOCKTON-PECOS COUNTY (FST)

RNP APCH. ▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 43°C (109°F). When local altimeter setting not received, use Pecos altimeter setting and increase all DA 152 feet and all MDA 160 feet, increase LPV visibility ½ mile all Cats, LNAV/VNAV visibility ½ mile all Cats, LNAV Cat C/D visibility ½ mile, Circling Cat C visibility ¾ mile, Cat D visibility ½ mile. Baro-VNAV and VDP NA when using Pecos altimeter setting. Circling NA to Rwys 7-25, 11-29 and 16-34. Circling Rwy 3, 21, 30 NA at night.		MISSED APPROACH: Climb to 5200 direct COGHU and hold.
ASOS 118.525	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) 1



6 NM Holding Pattern		ATGIY	5200	COGHU
GP 3.00° TCH 45		EPIHU	*LNAV only.	
5100		4700	*1.4 NM to RWY 12	
6.1 NM		3.8 NM	1.4 NM	
CATEGORY	A	B	C	D
LPV DA	3252-1 250 (300-1)			
LNAV/VNAV DA	3409-1½ 407 (400-1½)			
LNAV MDA	3480-1	478 (500-1)	3480-1¼ 478 (500-1¼)	3480-1½ 478 (500-1½)
CIRCLING	3540-1 529 (600-1)	3660-1 649 (700-1)	3740-2 729 (800-2)	3760-2½ 749 (800-2½)
MIRL Rwys 3-21 and 12-30 1				

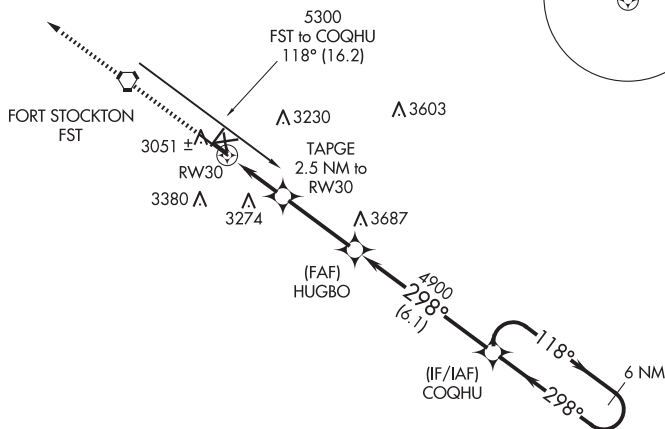
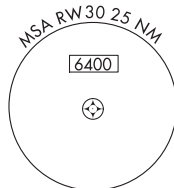
RNAV (GPS) RWY 30
FORT STOCKTON-PECOS COUNTY (FST)

T Rwy 30 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Pecos altimeter setting and increase all MDA 160 feet, increase LNAV Cat C/D visibility ½ mile, Circling Cat C visibility ¾ mile, Cat D visibility ½ mile. Circling NA to Rwy 7-25, 11-29 and 16-34. Straight-in Rwy 30 NA at night, Circling Rwy 3, 21, 30 NA at night.

MISSED APPROACH: Climb to 5100 direct ATGIY and hold.

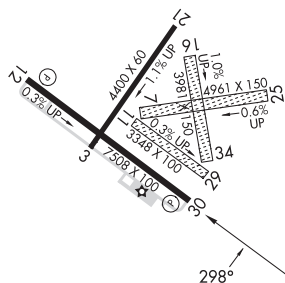
UNICOM
122.8 (CTAF) **L**

Procedure NA for arrivals at FST
VORTAC via V198-222 westbound.



4061

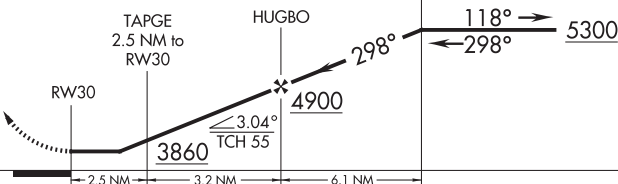
TDZE 3011



5100

ATGIY

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 45).

6 NM
Holding Pattern

CATEGORY	A	B	C	D
LNAV MDA	3500-1	489 (500-1)	3500-1¼ 489 (500-1¼)	3500-1½ 489 (500-1½)
CIRCLING	3540-1 529 (600-1)	3660-1 649 (700-1)	3740-2 729 (800-2)	3760-2½ 749 (800-2½)

30°55'N-102°55'W

FORT STOCKTON-PECOS COUNTY (FST)
RNAV (GPS) RWY 30

VORTAC FST <u>116.9</u> Chan 116	APP CRS 116°	Rwy Ldg TDZE Apt Elev	7508 3002 3011
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VOR RWY 12

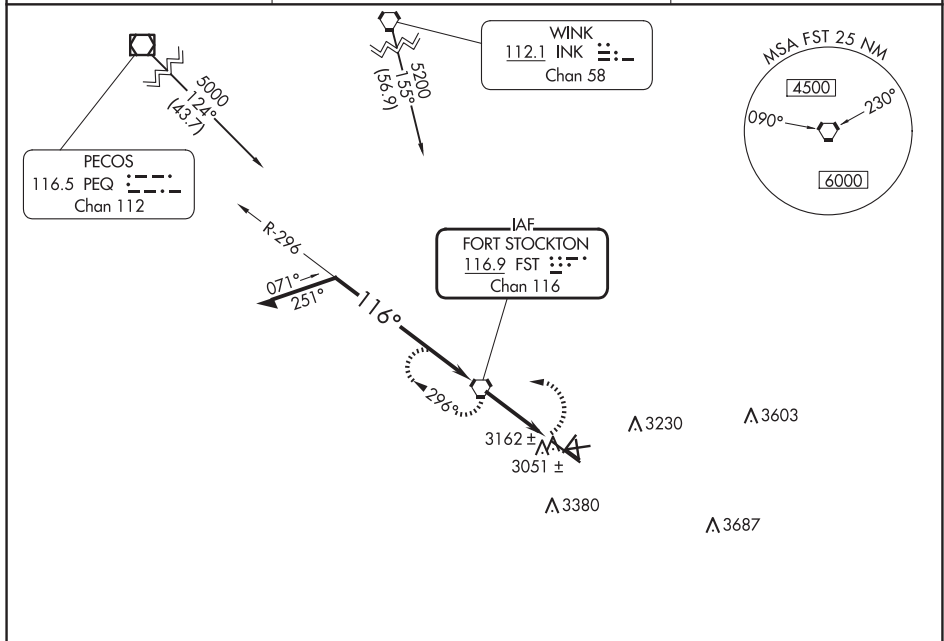
FORT STOCKTON-PECOS COUNTY (FST)



Circling NA to Rwy 7-25, 11-29 and 16-34.
Circling Rwy 3, 21, 30 NA at night.

MISSED APPROACH: Climbing left turn to 5000 direct FST VORTAC and hold.

ASOS 118.525	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) 0
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SC-3, 12 JUN 2025 to 07 AUG 2025

4064

Remain within 10 NM

4800

296°

116°

4200

3.48°

TCH 45

3.2 NM

FST VORTAC

5000

FST

116°

0.3% UP

150

CATEGORY	A	B	C	D
S-12	3500-1	498 (500-1)	3500-1¼ 498 (500-1¼)	3500-1½ 498 (500-1½)
CIRCLING	3540-1 529 (600-1)	3660-1 649 (700-1)	3740-2 729 (800-2)	3760-2½ 749 (800-2½)

Knots	60	90	120	150	180
Min:Sec	3:12	2:08	1:36	1:17	1:04

FREDERICKSBURG, TEXAS

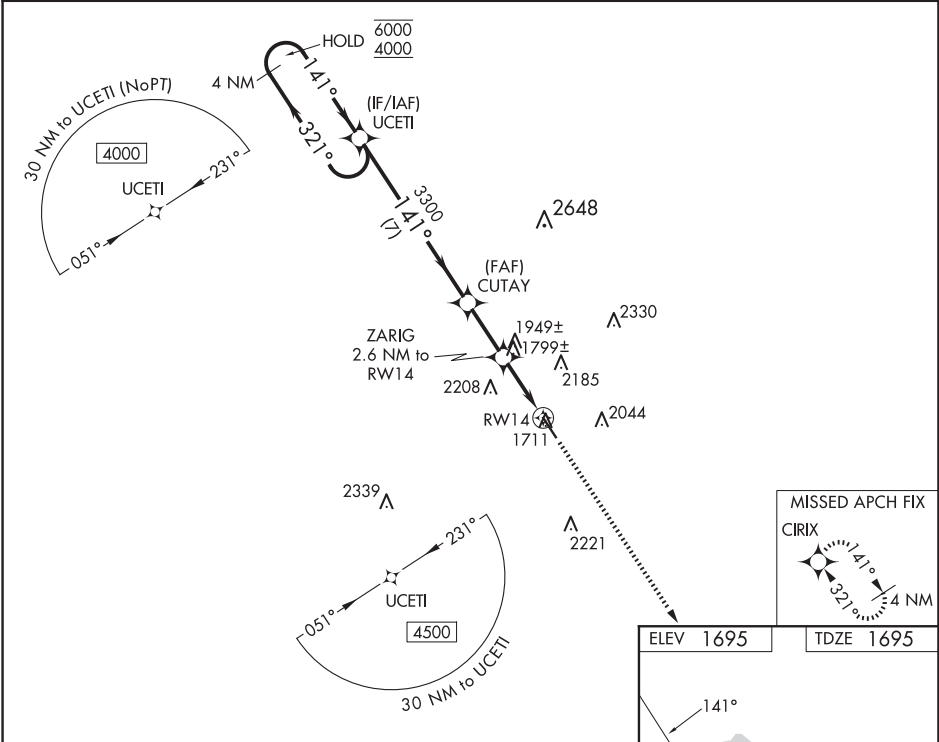
AL-6428 (FAA)

25163

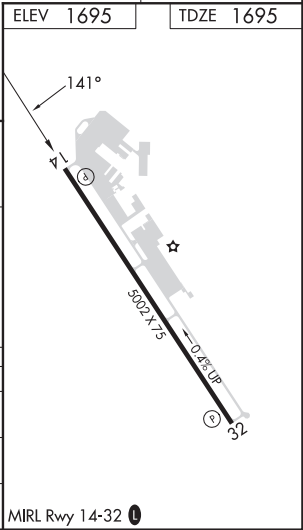
WAAS CH 78030 W14A	APP CRS 141°	Rwy Ldg TDZE 1695 Apt Elev 1695	5002
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RNAV (GPS) RWY 14
GILLESPIE COUNTY (T82)

RNP APCH.		MISSED APPROACH: Climb to 4500 direct CIRIX and hold.	
Rwy 14 helicopter visibility reduction below 3/4 SM NA.			
AWOS-3 120.0	HOUSTON CENTER 134.2 307.3	GCO 121.725	UNICOM 122.7 (CTAF) 0



4 NM Holding Pattern		Visual Segment - Obstacles.		4500	CIRIX
6000 4000		CUTAY		1 NM to RW14	
321° 141°		ZARIG 2.6 NM to RW14		1 NM to RW14	
7 NM		2.3 NM		1.6 NM	1 NM
CATEGORY	A	B	C	D	
LP MDA	2060-1		365 (400-1)	NA	
LNAV MDA	2200-1		505 (600-1)	2200-1 3/8 505 (600-1 3/8)	NA
CIRCLING	2200-1 505 (600-1)		2480-1 785 (800-1)	2520-2 1/2 825 (900-2 1/2)	NA



FREDERICKSBURG, TEXAS
Amdt 1D 02DEC21

30°15'N-98°55'W

GILLESPIE COUNTY (T82)
RNAV (GPS) RWY 14

SC-3, 12 JUN 2025 to 07 AUG 2025

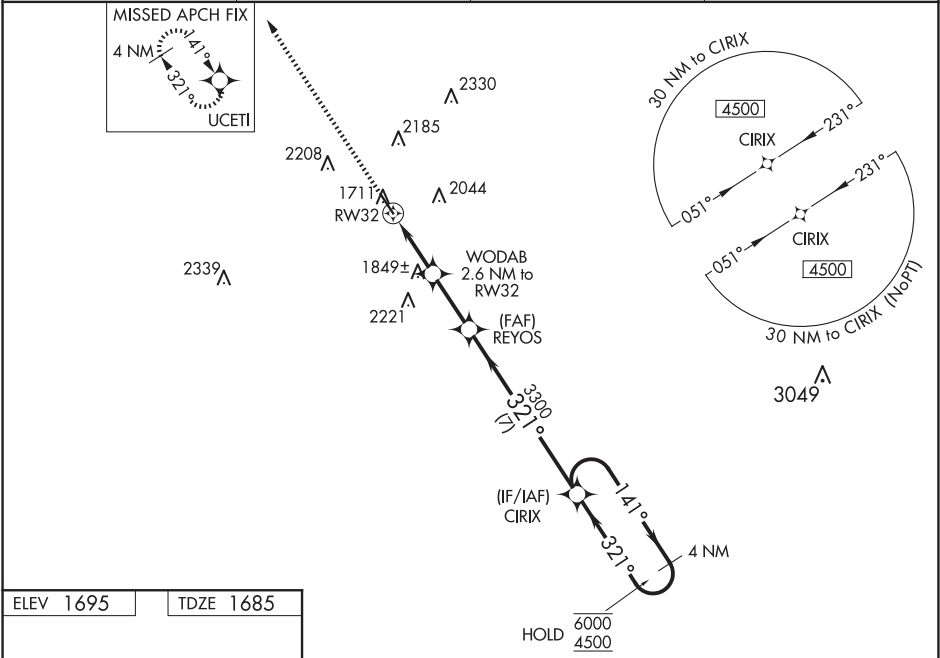
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 81930 W32A	APP CRS 321°	Rwy Ldg TDZE Apt Elev	5002 1685 1695
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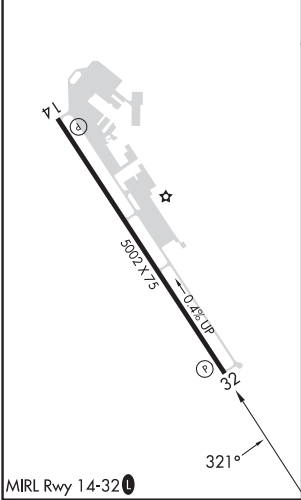
RNAV (GPS) RWY 32
GILLESPIE COUNTY (T82)

RNP APCH.	MISSED APPROACH: Climb to 4000 direct UCETI and hold.
▼ ▲ Rwy 32 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.	

AWOS-3 120.0	HOUSTON CENTER 134.2 307.3	GCO 121.725	UNICOM 122.7 (CTAF) 0
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ELEV 1695	TDZE 1685
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4000	UCETI	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 37).		4 NM Holding Pattern
*LNAV only.	WODAB 2.6 NM to RW32	REYOS 3300	CIRIX	141° → 6000 ← 321° 4500
*1.2 NM to RW32	*2540	3300		GP 3.00° TCH 45
1.2 NM	1.4 NM	2.4 NM	7 NM	
CATEGORY	A	B	C	D
LPV DA	1935-1	250 (300-1)		NA
LNAV/ VNAV DA	1967-1	282 (300-1)		NA
LNAV MDA	2100-1	415 (500-1)	2100-1¼ 415 (500-1¼)	NA
CIRCLING	2200-1 505 (600-1)	2480-1 785 (800-1)	2520-2½ 825 (900-2½)	NA

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

FREDERICKSBURG, TEXAS

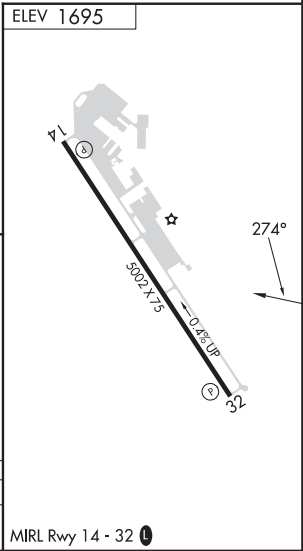
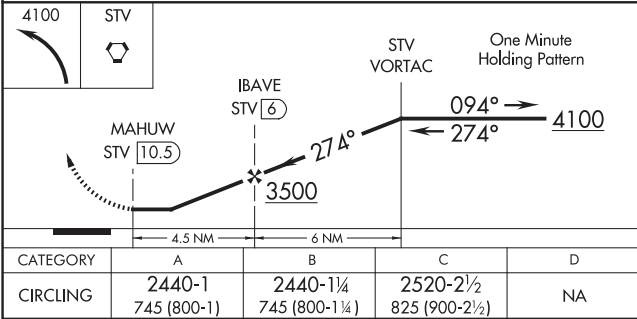
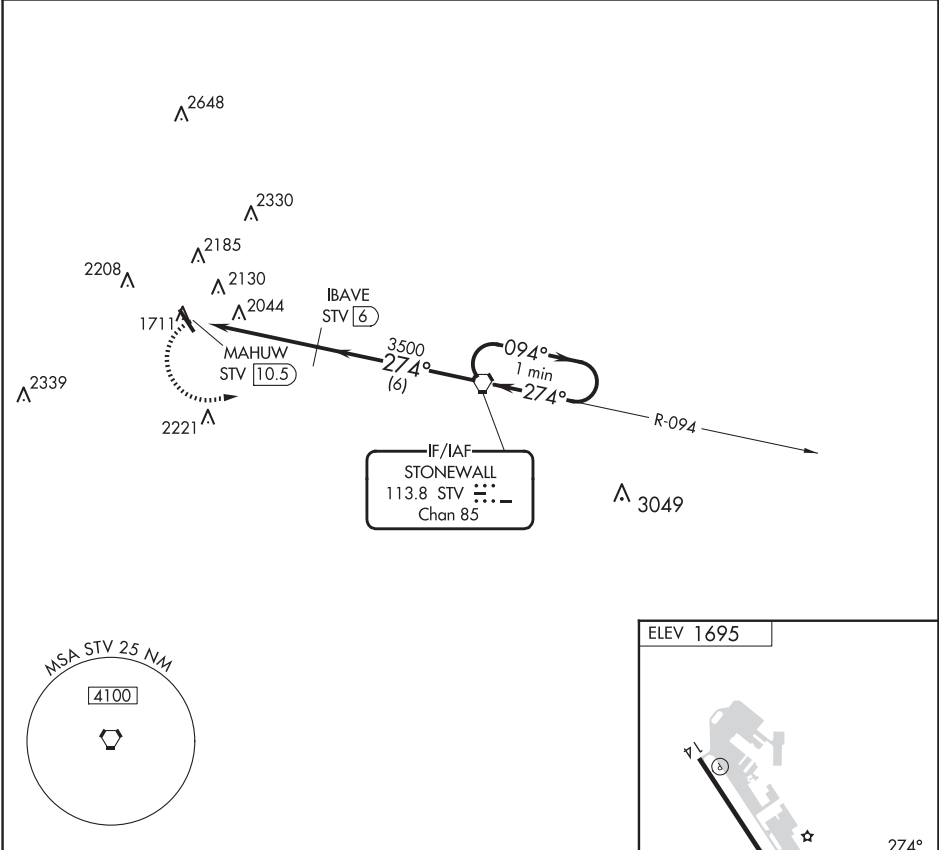
AL-6428 (FAA)

25163

VORTAC STV 113.8 Chan 85	APP CRS 274°	Rwy Ldg TDZE Apt Elev N/A N/A 1695
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VOR/DME-A
GILLESPIE COUNTY (T82)

⚠ When local altimeter setting not received, use Kerrville altimeter setting and increase MDA 60 feet and Cat C visibility ¼ mile.		MISSED APPROACH: Climbing left turn to 4100 direct STV VORTAC and hold.	
AWOS-3 120.0	HOUSTON CENTER 134.2 307.3	GCO 121.725	UNICOM 122.7 (CTAF) 0



FREDERICKSBURG, TEXAS
Amdt 3C 30DEC21

30°15'N-98°55'W

GILLESPIE COUNTY (T82)
VOR/DME-A

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS
130°

Rwy Idg
TDZE
Apt Elev

3799
129
129

RNAV (GPS) RWY 13

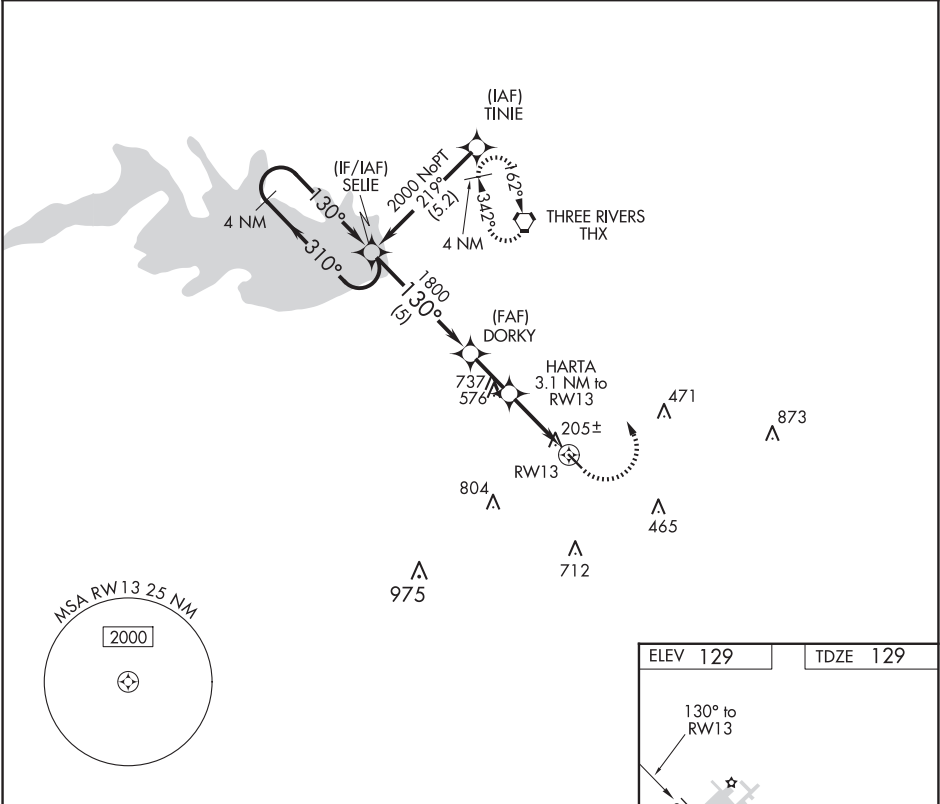
LIVE OAK COUNTY (8T6)

NA

Use Alice Intl altimeter setting. DME/DME RNP-0.3 NA.
Procedure NA at night. Visibility reduction by helicopters NA.

MISSED APPROACH: Climbing left turn to 2000 direct THX VORTAC and hold.

AWOS-3PT 119.05	ALI ASOS 119.225	HOUSTON CENTER 134.6 322.5	CTAF 122.9	122.7 0
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4 NM Holding Pattern

SELIE

DORKY

HARTA 3.1 NM to RW13

2000 THX

1800

1160

3.04° TCH 40

RW13

5 NM

2 NM

3.1 NM

CATEGORY	A	B	C	D
RNAV MDA	700-1 571 (600-1)	700-1½ 571 (600-1½)	700-1½ 571 (600-1½)	NA
CIRCLING	760-1 631 (700-1)	860-1 731 (800-1)	860-2 731 (800-2)	NA

MIRL Rwy 13-31 0

GEORGE WEST, TEXAS

AL-6928 (FAA)

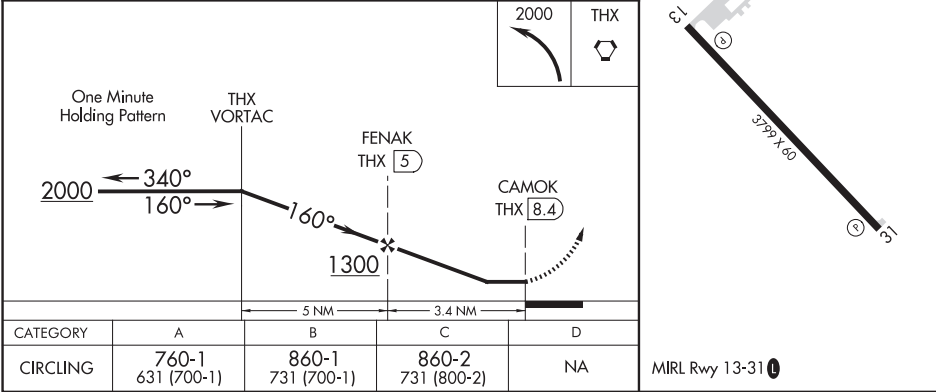
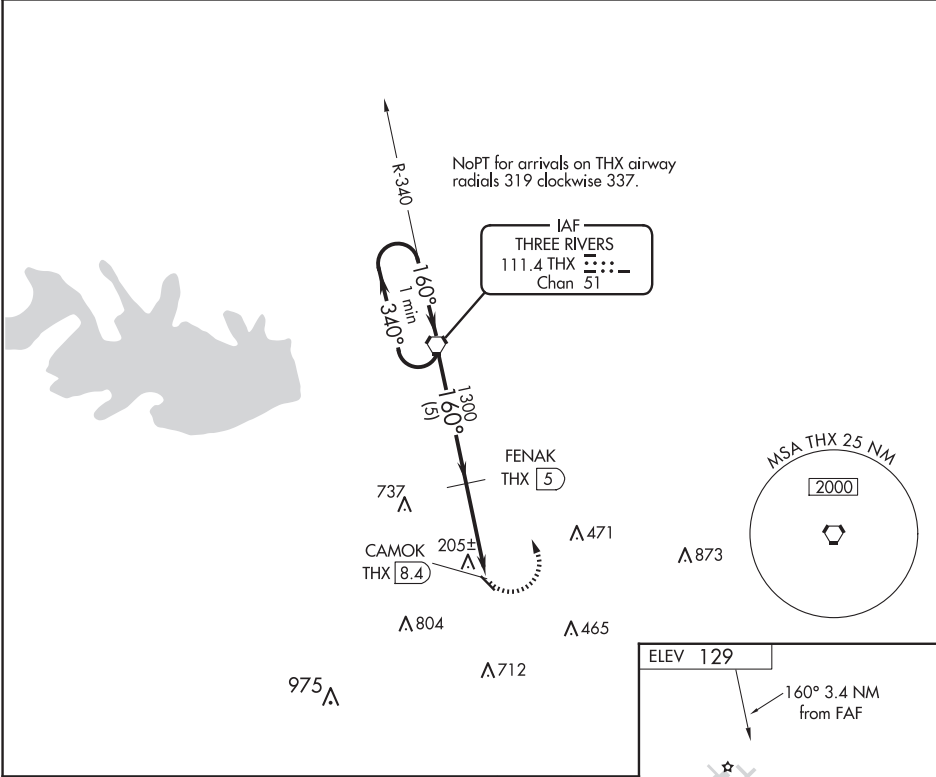
21336

VORTAC THX 111.4 Chan 51	APP CRS 160°	Rwy Idg TDZE Apt Elev	N/A N/A 129
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VOR/DME-A
LIVE OAK COUNTY (8T6)

V NA	Use Alice Intl altimeter setting. Circling to Rwy 31 NA at night. Visibility reduction by helicopters NA.	MISSED APPROACH: Climbing left turn to 2000 direct THX VORTAC and hold.
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AWOS-3PT 119.05	ALI ASOS 119.225	HOUSTON CENTER 134.6 322.5	CTAF 122.9	122.7 0
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GEORGE WEST, TEXAS
Amdt 2B 20MAY21

28°22'N-98°07'W

LIVE OAK COUNTY (8T6)
VOR/DME-A

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 70441 W11A	APP CRS 115°	Rwy Idg 4099 TDZE 790 Apt Elev 790
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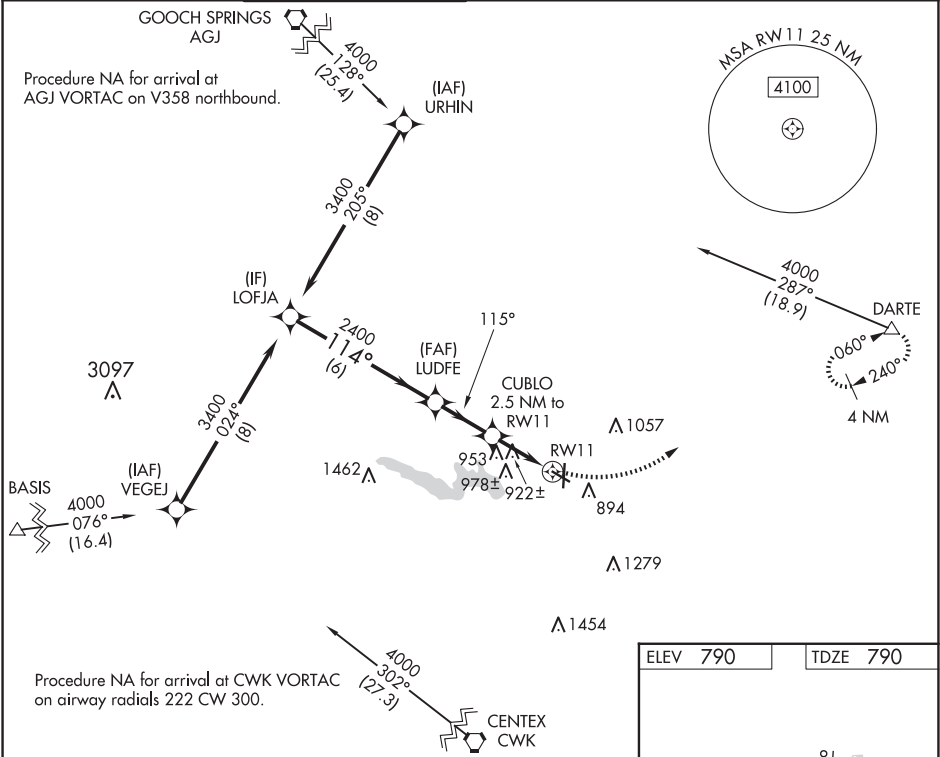
RNAV (GPS) RWY 11
GEORGETOWN EXEC (GTU)

RNP APCH

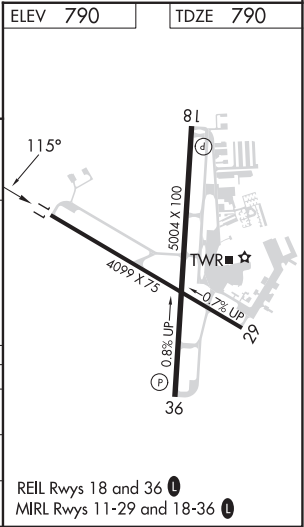
▼ Rwy 11 helicopter visibility reduction below 3/4 SM NA. When local altimeter setting not received, use Skylark Field altimeter setting and increase all MDA 80 feet. Increase LP and Circling Cat C/D visibility 1/4 SM and LNAV Cat C/D visibility 1/8 SM. VDP NA when using Skylark Field altimeter setting.

MISSED APPROACH:
Climbing left turn to
3000 direct DARTE
and hold.

ATIS 118.6	AUSTIN APP CON 119.0 370.85	GEORGETOWN TOWER ★ 120.225 (CTAF) 0	GND CON 119.125	CLNC DEL 119.125	CLNC DEL 121.1 (when twr closed)	UNICOM 123.0
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	LOFJA	LUDFE	CUBLO 2.5 NM to RWY 11	
	3400	2400	1620	
	114°	115°		
	6 NM	2.4 NM	1.1 NM	
CATEGORY	A	B	C	D
LP MDA	1180-1	390 (400-1)	1180-1 1/8	390 (400-1 1/8)
LNAV MDA	1220-1	430 (500-1)	1220-1 1/4	430 (500-1 1/4)
CIRCLING	1240-1 450 (500-1)	1340-1 550 (600-1)	1360-1 1/2 570 (600-1 1/2)	1640-2 3/4 850 (900-2 3/4)



GEORGETOWN, TEXAS

AL-5724 (FAA)

23222

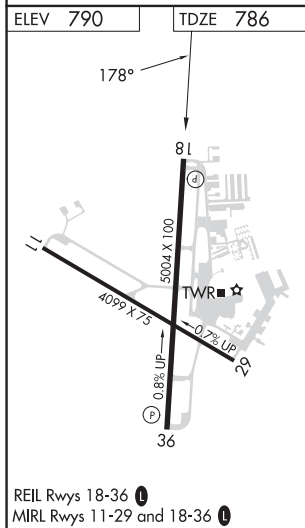
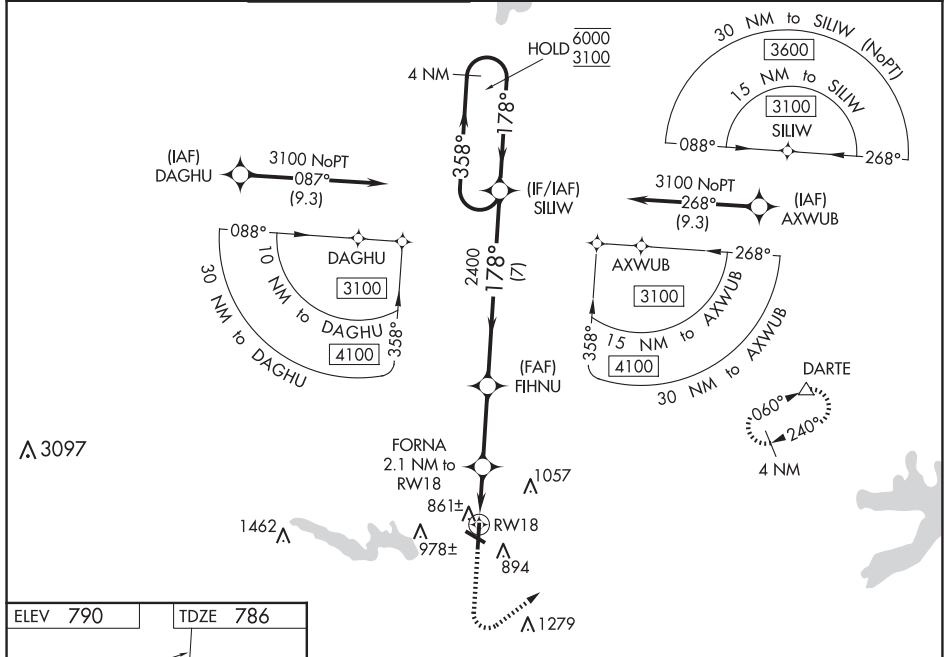
WAAS CH 62938 W18A	APP CRS 178°	Rwy Idg TDZE 786 Apt Elev 790	5004
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RNAV (GPS) RWY 18

GEORGETOWN EXEC (GTU)

RNP APCH.	MISSED APPROACH: Climb to 1300 then climbing left turn to 3000 direct DARTE and hold.
▼ Circling Rwy 29 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.	

ATIS 118.6	AUSTIN APP CON 119.0 370.85	GEORGETOWN TOWER ★ 120.225 (CTAF) 0	GND CON 119.125	CLNC DEL 119.125	CLNC DEL 121.1 (when twr closed)	UNICOM 123.0
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1300 ↑		3000 ↶		DARTE △		SILW 4 NM Holding Pattern			
* LNAV only.		FORNA 2.1 NM to RW18		FIHNU 2400		358° → 6000 ← 178° 3100			
RW18 ↶		* 0.9 NM to RW18		* 1480		2400			
0.9 NM		1.2 NM		2.9 NM		7 NM			
						GP 3.00° TCH 35			
CATEGORY		A		B		C		D	
LPV DA				1036-1		250 (300-1)			
LNAV/ VNAV DA				1036-1		250 (300-1)			
LNAV MDA				1120-1		334 (400-1)			
C CIRCLING		1240-1 450 (500-1)		1340-1 550 (600-1)		1360-1½ 570 (600-1½)		1640-2¾ 850 (900-2¾)	

GEORGETOWN, TEXAS
Amdt 2A 15AUG19

30°41'N-97°41'W

GEORGETOWN EXEC (GTU)
RNAV (GPS) RWY 18

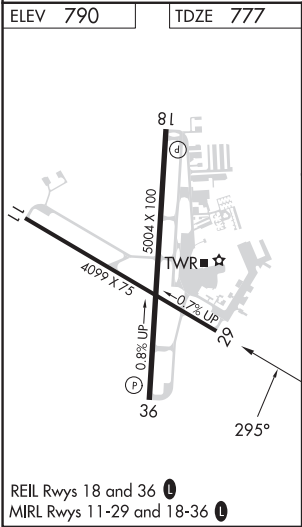
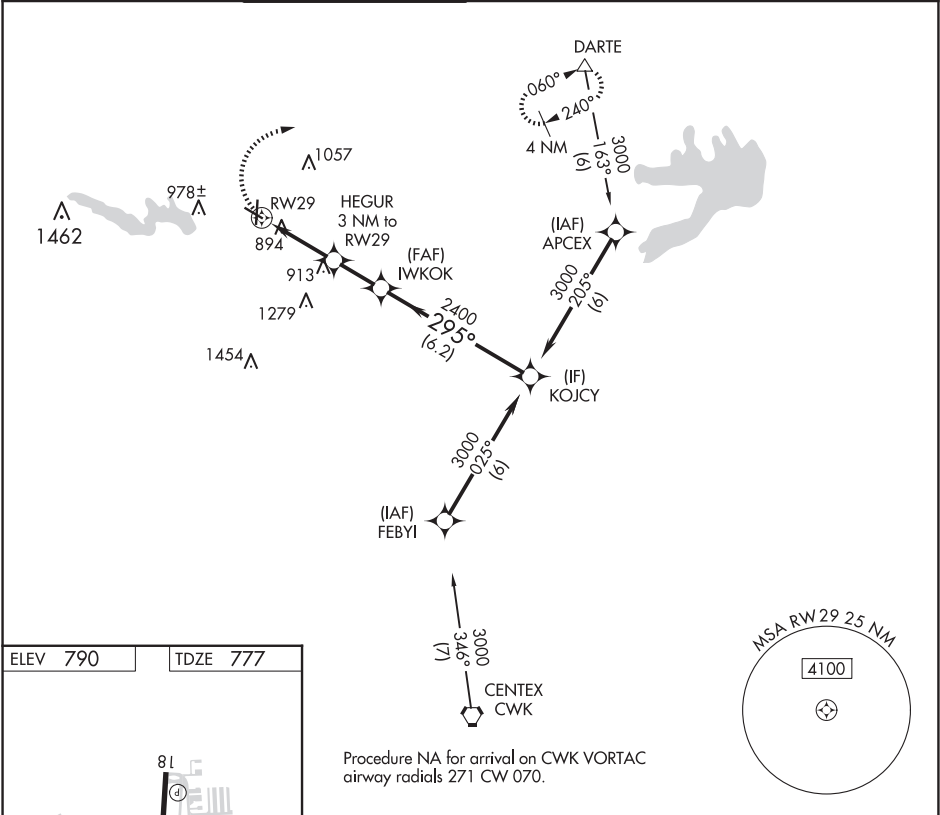
SC-3, 12 JUN 2025 to 07 AUG 2025



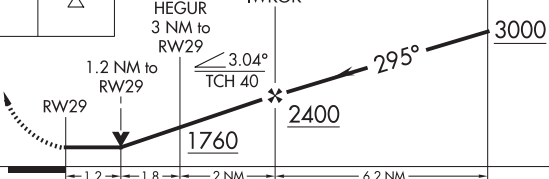

SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS	Rwy Idg	4099
295°	TDZE	777
	Apt Elev	790

RNAV (GPS) RWY 29
GEORGETOWN EXEC (GTU)

RNP APCH.					MISSED APPROACH: Climbing right turn to 3000 direct DARTÉ and hold.	
▼ Rwy 29 helicopter visibility reduction below ¾ SM NA. VDP NA when using Skylark Field altimeter setting. When local altimeter setting not received, use Skylark Field altimeter setting and increase all MDA 80 feet increase LNAV and Circling Cat C/D visibility ¼ SM.						
▲						
ATIS 118.6	AUSTIN APP CON 119.0 370.85	GEORGETOWN TOWER ★ 120.225 (CTAF) 0	GND CON 119.125	CLNC DEL 119.125	CLNC DEL 121.1 (when twr closed)	UNICOM 123.0



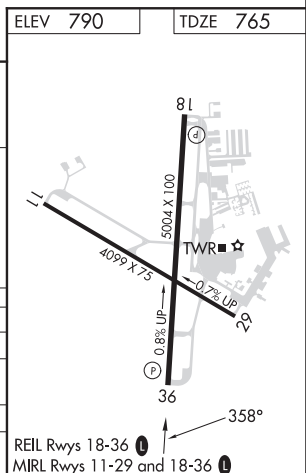
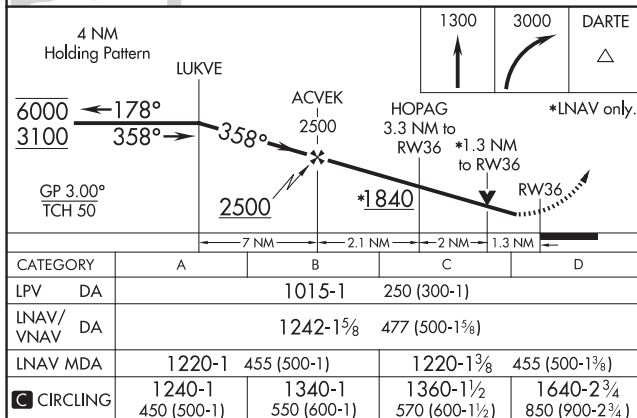
<div>3000</div> <div></div>	<div>DARTE</div> <div></div>	<div></div>			
CATEGORY	A	B	C	D	
LNAV MDA	1220-1 443 (500-1)	1220-1 ³ / ₈ 443 (500-1 ³ / ₈)			
 CIRCLING	1240-1 450 (500-1)	1340-1 550 (600-1)	1360-1 ¹ / ₂ 570 (600-1 ¹ / ₂)	1640-2 ³ / ₄ 850 (900-2 ³ / ₄)	

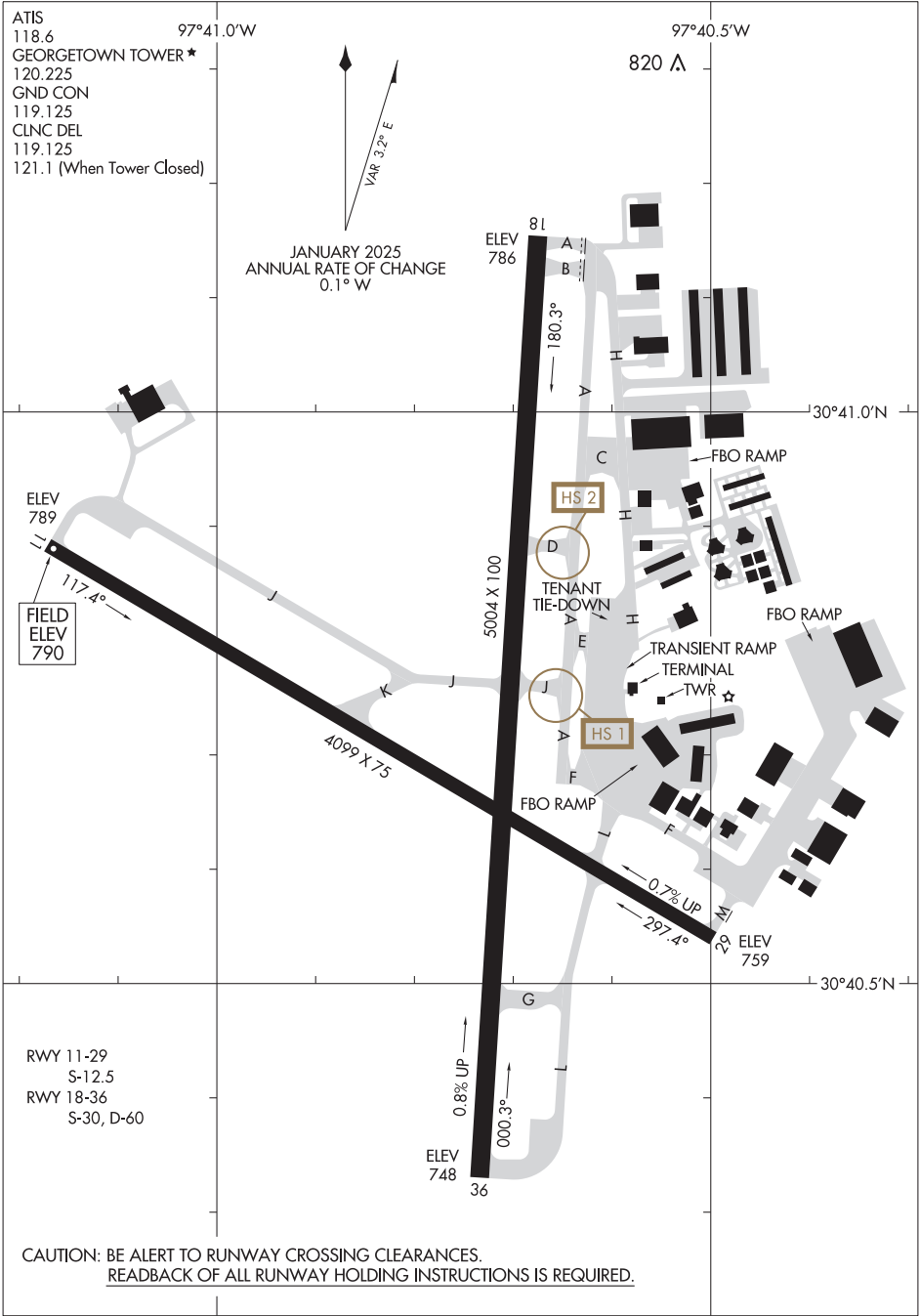
RNAV (GPS) RWY 36
GEORGETOWN EXEC (GTU)

MISSED APPROACH: Climb to 1300 then climbing right turn to 3000 direct DARTE and hold.

Flight Profile Diagram:

- Start:** Lukve (NoPT) at 3100 ft. Heading 088°.
- Turn:** 178° turn, 30 NM to Lukve (NoPT).
- Waypoint:** Hopag (3.3 NM to RW36) at 4500 ft.
- Waypoint:** RW36 at 4500 ft.
- Waypoint:** Dartmouth at 4500 ft.
- Altitudes:** 3100, 3580, 4500, 5000, 6000.
- Distances:** 30 NM, 13 NM, 4 NM, 3.3 NM.
- Headings:** 088°, 178°, 268°, 060°, 240°.
- Labels:** (IAF) ZIGZE, (IF/IAF) LUKVE, (FAF) ACVEK, (IAF) EWETU, (IAF) DARTMOUTH.





SC-3, 12 JUN 2025 to 07 AUG 2025

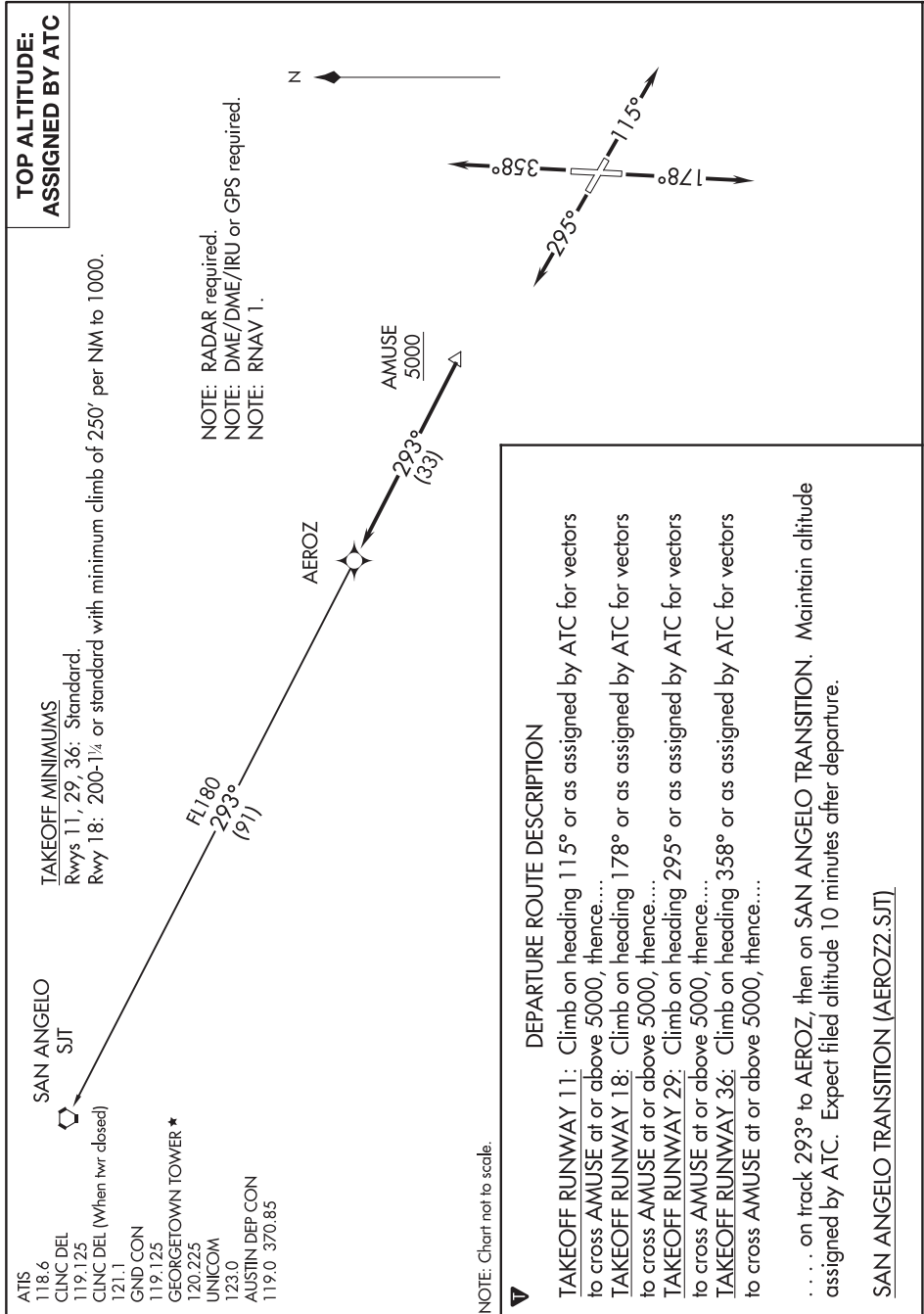
SC-3, 12 JUN 2025 to 07 AUG 2025

(AEROZ2.AEROZ) 22195

AEROZ TWO DEPARTURE (RNAV) AL-5724

GEORGETOWN EXEC (GTU)
GEORGETOWN, TEXAS

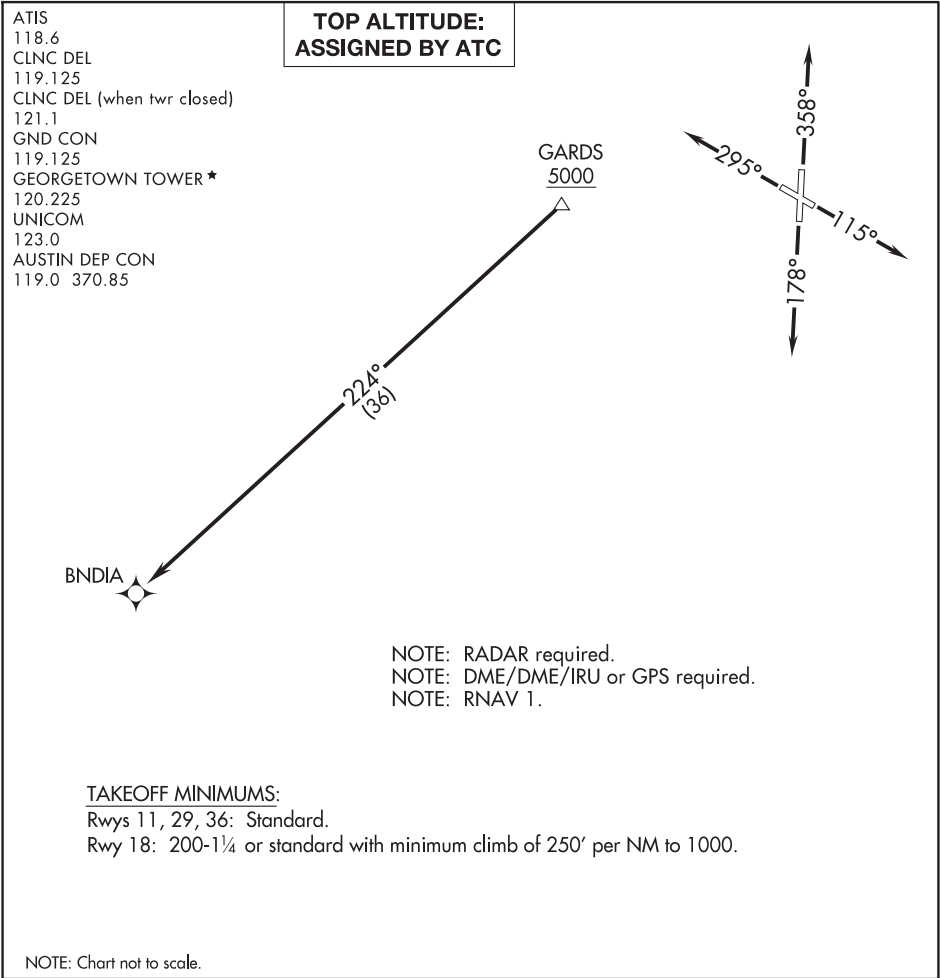
SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

AEROZ TWO DEPARTURE (RNAV)
(AEROZ2.AEROZ) 22APR21

GEORGETOWN, TEXAS
GEORGETOWN EXEC (GTU)



DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAY 11: Climb on heading 115° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 18: Climb on heading 178° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 29: Climb on heading 295° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 36: Climb on heading 358° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
....on track 224° BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

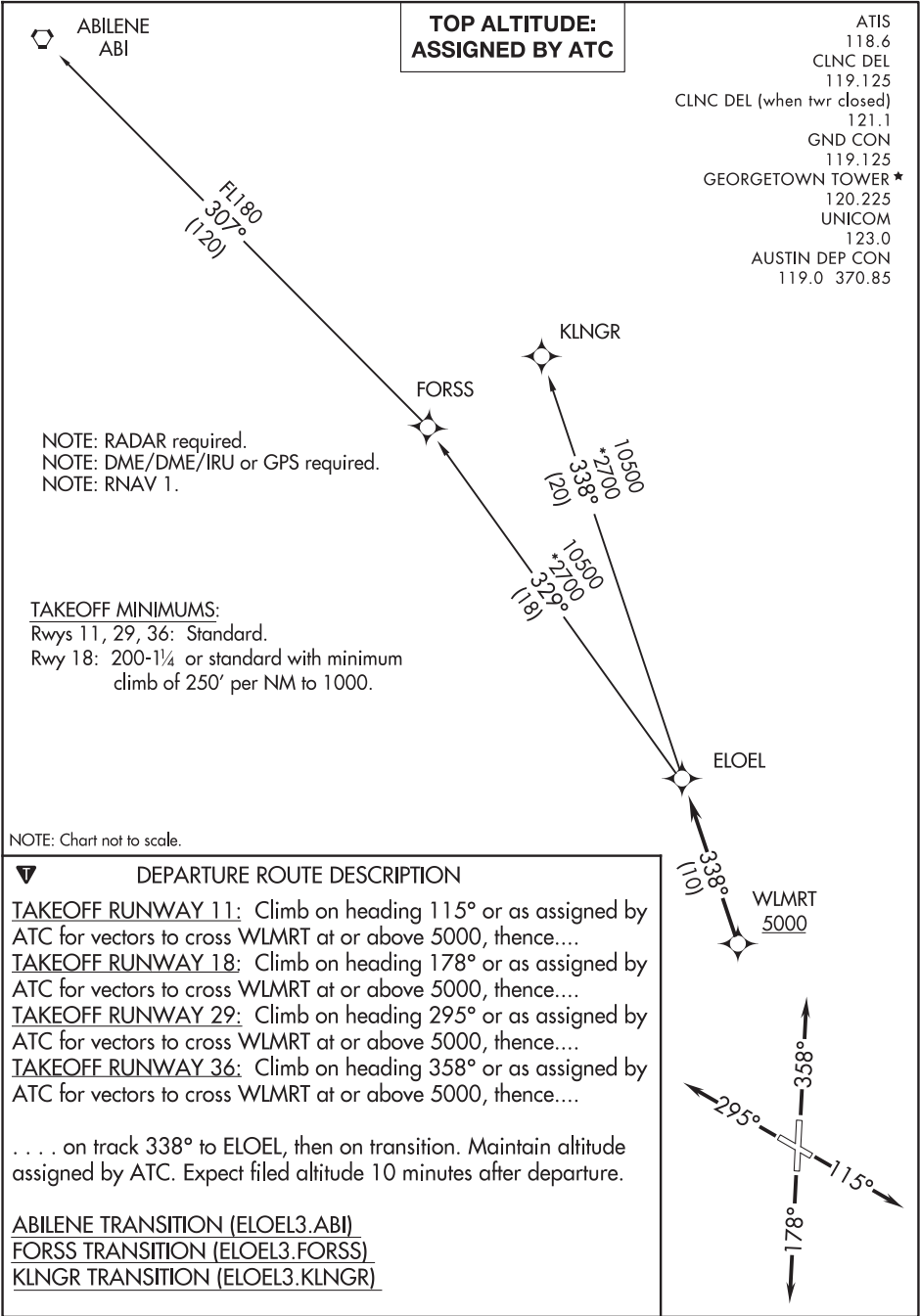
(ELOEL3.ELOEL) 22195

ELOEL THREE DEPARTURE (RNAV)

AL-5724 (FAA)

GEORGETOWN EXEC (GTU)

GEORGETOWN, TEXAS



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ELOEL THREE DEPARTURE (RNAV)

(ELOEL3.ELOEL) 22APR21

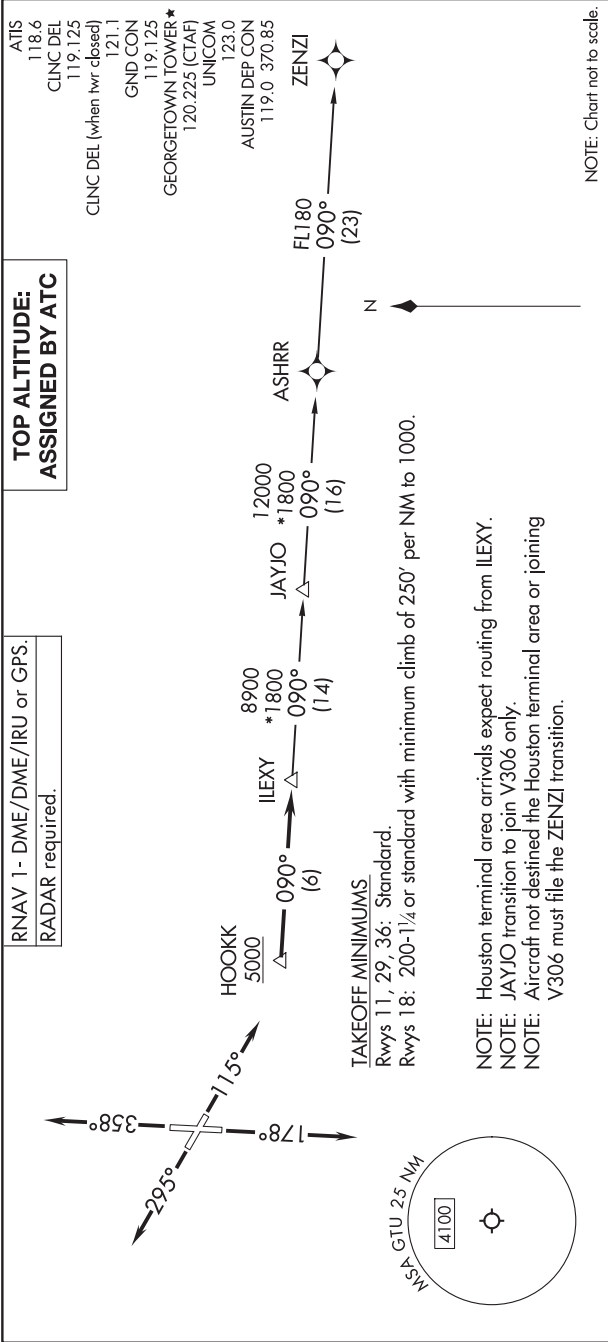
GEORGETOWN, TEXAS

GEORGETOWN EXEC (GTU)

(ILEXY4.ILEXY) 23166

ILEXY FOUR DEPARTURE (RNAV) AL-5724 (FAA)

GEORGETOWN EXEC (GTU)
GEORGETOWN, TEXAS



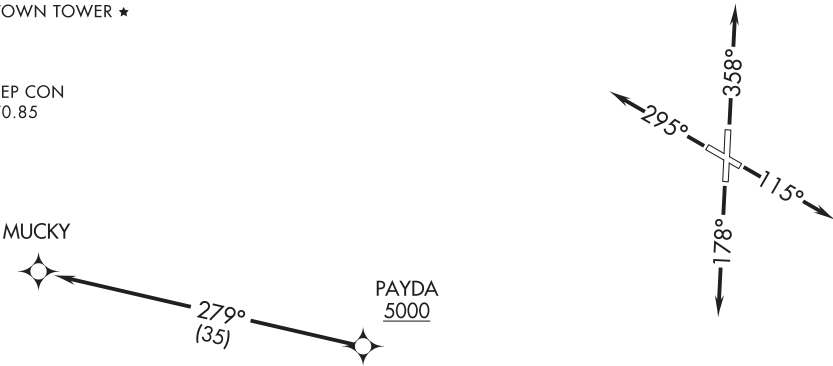
ILEXY FOUR DEPARTURE (RNAV)
(ILEXY4.ILEXY) 15JUN23

GEORGETOWN, TEXAS
GEORGETOWN EXEC (GTU)

MUCKY THREE DEPARTURE (RNAV)

ATIS
118.6
CLNC DEL
119.125
CLNC DEL (when twr closed)
121.1
GND CON
119.125
GEORGETOWN TOWER ★
120.225
UNICOM
123.0
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.

TAKEOFF MINIMUMS:

Rwys 11, 29, 36: Standard.
Rwy 18: 200-1¼ or standard with minimum
climb of 250' per NM to 1000.

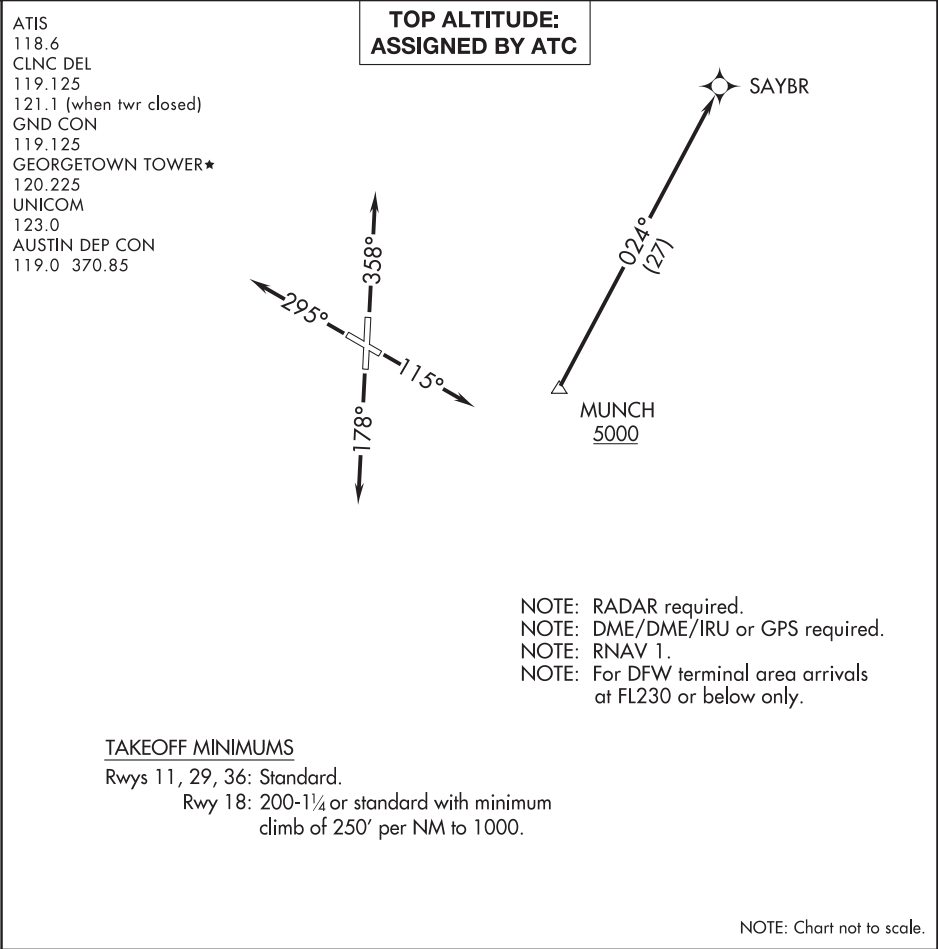
NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 11: Climb on heading 115° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .
TAKEOFF RUNWAY 18: Climb on heading 178° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .
TAKEOFF RUNWAY 29: Climb on heading 295° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .
TAKEOFF RUNWAY 36: Climb on heading 358° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .

. . . on track 279° to MUCKY. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.



▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 11: Climb on heading 115° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .

TAKEOFF RUNWAY 18: Climb on heading 178° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .

TAKEOFF RUNWAY 29: Climb on heading 295° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 358° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .

. . . .on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

BERCLAIR, TEXAS

RNAV (GPS) RWY 11

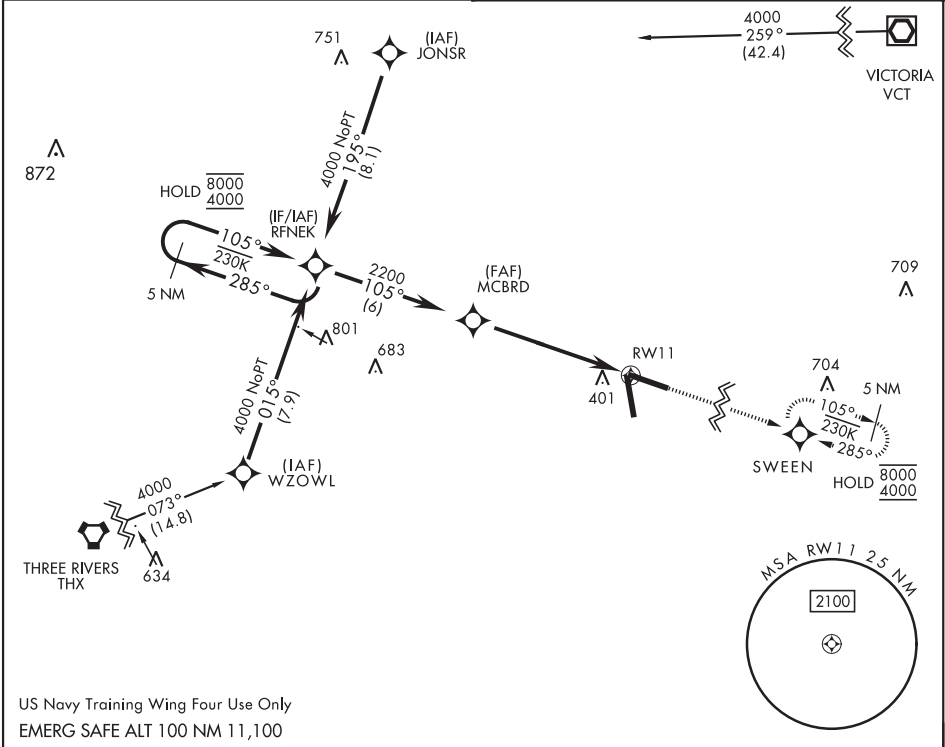
APCH CRS	Rwy Idg
105°	8000
	TDZE
	318
	Arpt Elev
	322

[USN]

GOLIAD NOLF (KNGT)

RNP APCH	MISSED APPROACH: Climb to 4000 direct SWEEN and hold, continue climb-in-hold to 4000.
----------	---

ASOS 353.675	CTAF 132.875 307.075
-----------------	-------------------------



US Navy Training Wing Four Use Only EMERG SAFE ALT 100 NM 11,100				
5 NM Holding Pattern RFNEK				
VDP NA with Beeville Muni altimeter setting.				
ELEV 322 TDZE 318				
4000 SWEEN				
1.1 NM to RW11				
3.00° TCH 54				
5.7 NM				
CATEGORY	A	B	C	D
RNAV MDA	720-1 402 (400-1)	720-1½ 402 (400-1½)	720-1½ 402 (400-1½)	720-1½ 402 (400-1½)
CIRCLING	800-1 478 (500-1)	820-1 498 (500-1)	820-1½ 498 (500-1½)	880-2 558 (600-2)
BEEVILLE MUNI ALTIMETER SETTING MINIMA				
RNAV MDA	760-1 442 (500-1)	760-1½ 442 (500-1½)	760-1½ 442 (500-1½)	760-1½ 442 (500-1½)
CIRCLING	800-1 478 (500-1)	820-1 498 (500-1)	820-1½ 498 (500-1½)	880-2 558 (600-2)
HIRL Rwy 11-29, 17-35 TDZL Rwy 11-29, 17-35				

BERCLAIR, TEXAS

28°37'N-97°37'W

GOLIAD NOLF (KNGT)

Amdt 3 05OCT23

RNAV (GPS) RWY 11

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 17

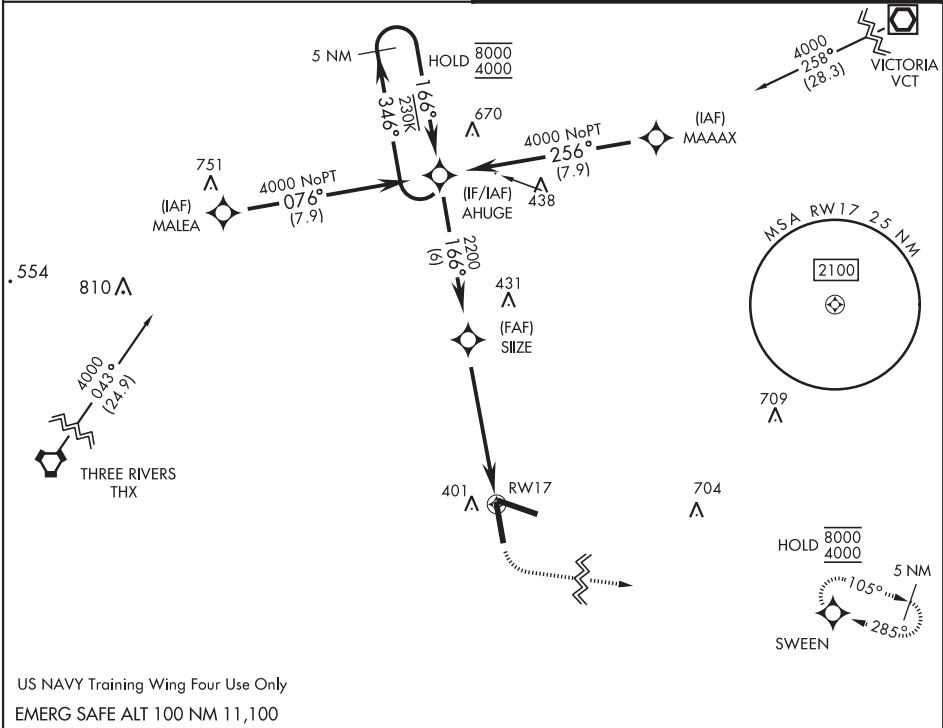
APCH CRS	Rwy Idg	8001
166°	TDZE	322
	Arpt Elev	322

[USN]

GOLIAD NOLF (KNGT)

RNP APCH	MISSED APPROACH: Climb to 900 then climbing left turn to 4000 direct SWEEN and hold, continue climb-in-hold to 4000.
When local altimeter setting not received, use Beeville Muni altimeter setting.	

ASOS 353.675	CTAF 132.875 307.075
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US NAVY Training Wing Four Use Only
EMERG SAFE ALT 100 NM 11,100

5 NM Holding Pattern	AHUGE	VDP NA with Beeville Muni altimeter setting.	900	4000	SWEEN	ELEV 322	TDZE 322
8000 4000	346° 166°	166°	2200	3.00° TCH 54	0.8 NM to RWY17	328	35
CATEGORY	A	B	C	D			
LNAV MDA		640-1 318 (400-1)					
CIRCLING	760-1 438 (500-1)	780-1 458 (500-1)	780-1½ 458 (500-1½)	880-2 558 (600-2)			
BEEVILLE MUNI ALTIMETER SETTING MINIMA							
LNAV MDA		680-1 358 (400-1)					
CIRCLING	800-1 478 (500-1)	820-1 498 (500-1)	820-1½ 498 (500-1½)	880-2 558 (600-2)			

RNAV (GPS) RWY 17

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

BERCLAIR, TEXAS

RNAV (GPS) RWY 29

APCH CRS **285°**
 Rwy Idg **8000**
 TDZE **285**
 Arpt Elev **322**

[USN]

GOLIAD NOLF (KNGT)

RNP APCH

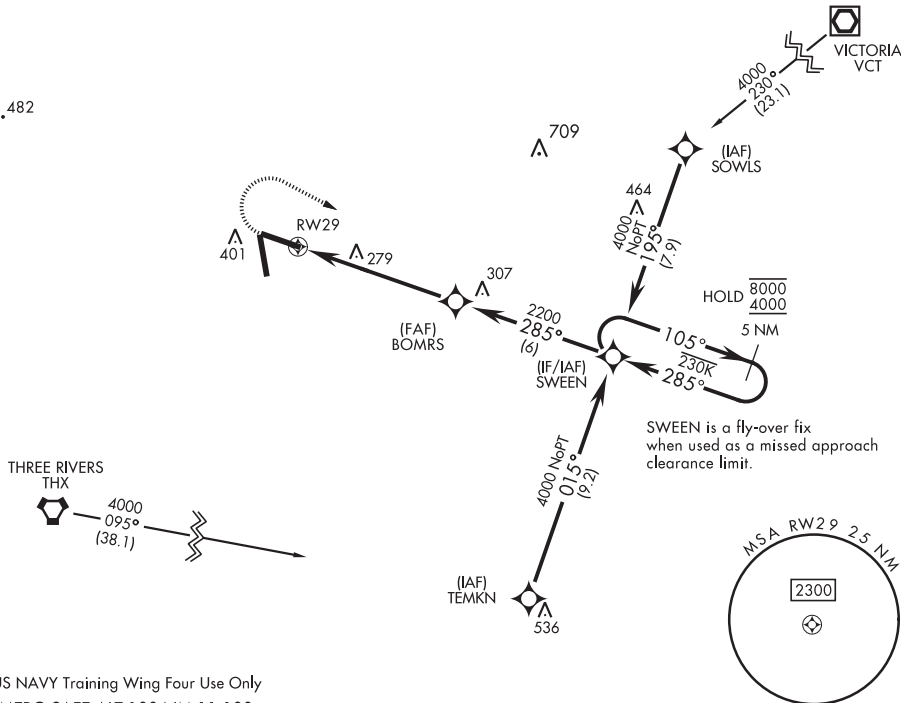
When local altimeter setting not received, use Beeville Muni altimeter setting.

MISSED APPROACH: Climb to 900 then climbing right turn to 4000 direct SWEEN and hold, continue climb-in-hold to 4000.

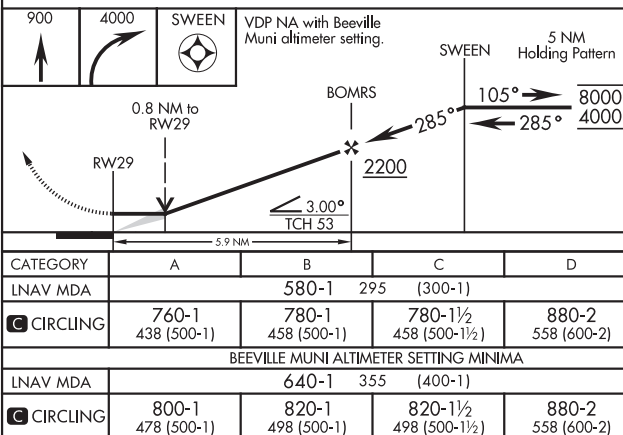
ASOS
353.675

CTAF
132.875 307.075

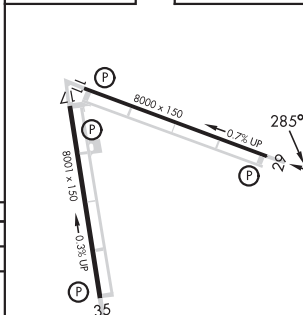
.482



US NAVY Training Wing Four Use Only
 EMERG SAFE ALT 100 NM 11,100



ELEV **322** TDZE **285**



HIRL Rwy 11-29, 17-35
 TDZL Rwy 11, 29, 17, 35

BERCLAIR, TEXAS

28°37'N-97°37'W

GOLIAD NOLF (KNGT)

Amdt 3 05OCT23

RNAV (GPS) RWY 29

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 35

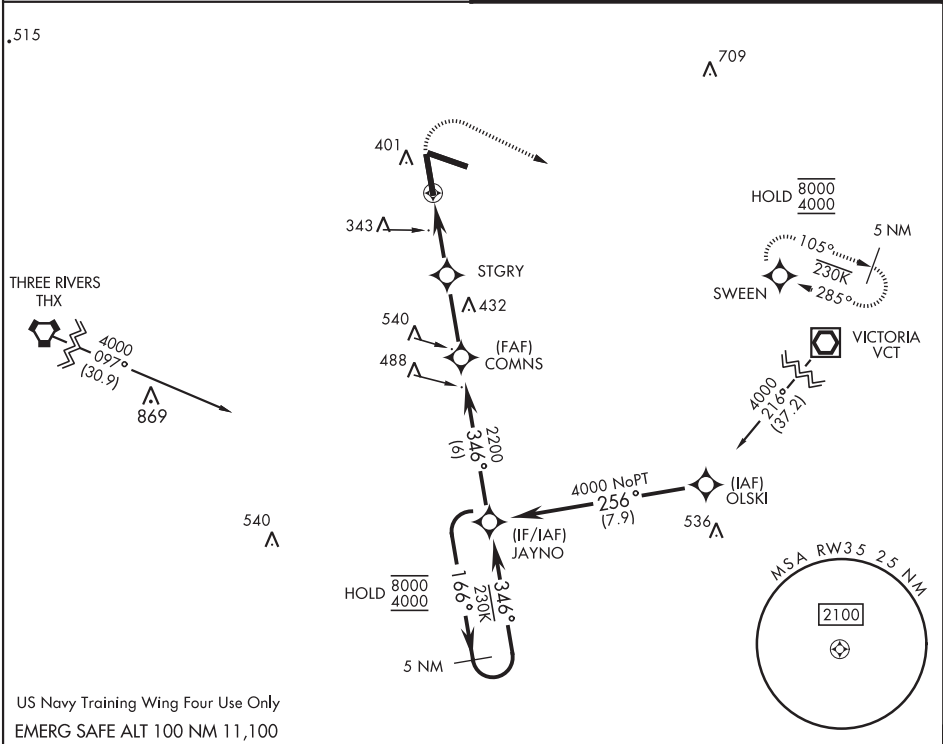
APCH CRS	Rwy Idg
346°	8001
TDZE	307
Arpt Elev	322

[USN]

GOLIAD NOLF (KNGT)

RNP APCH	MISSED APPROACH: Climb to 900 then climbing right turn to 4000 direct SWEEN and hold, continue climb-in-hold to 4000.
When local altimeter setting not received, use Beeville Muni altimeter setting.	

ASOS 353.675	CTAF 132.875 307.075
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900	4000	SWEEN	VDP NA with Beeville Muni altimeter setting.	JAYNO	5 NM Holding Pattern	ELEV 322	TDZE 307
CATEGORY	A	B	C	D			
LNAV MDA	620-1 313 (300-1)						
CIRCLING	760-1 438 (500-1)	780-1 458 (500-1)	780-1½ 458 (500-1½)	880-2 558 (600-2)			
BEEVILLE MUNI ALTIMETER SETTING MINIMA							
LNAV MDA	660-1 353 (400-1)						
CIRCLING	800-1 478 (500-1)	820-1 498 (500-1)	820-1½ 498 (500-1½)	880-2 558 (600-2)			

RNAV (GPS) RWY 35

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

HAMILTON, TEXAS

AL-6984 (FAA)

22167

WAAS CH 72629 W18A	APP CRS 182°	Rwy Idg TDZE 1305 Apt Elev 1305
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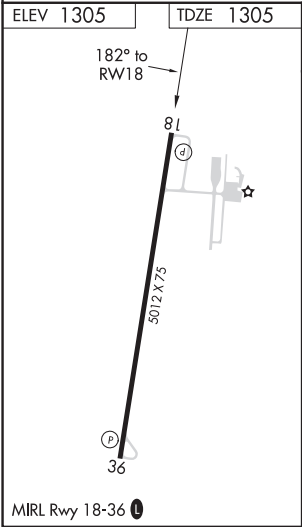
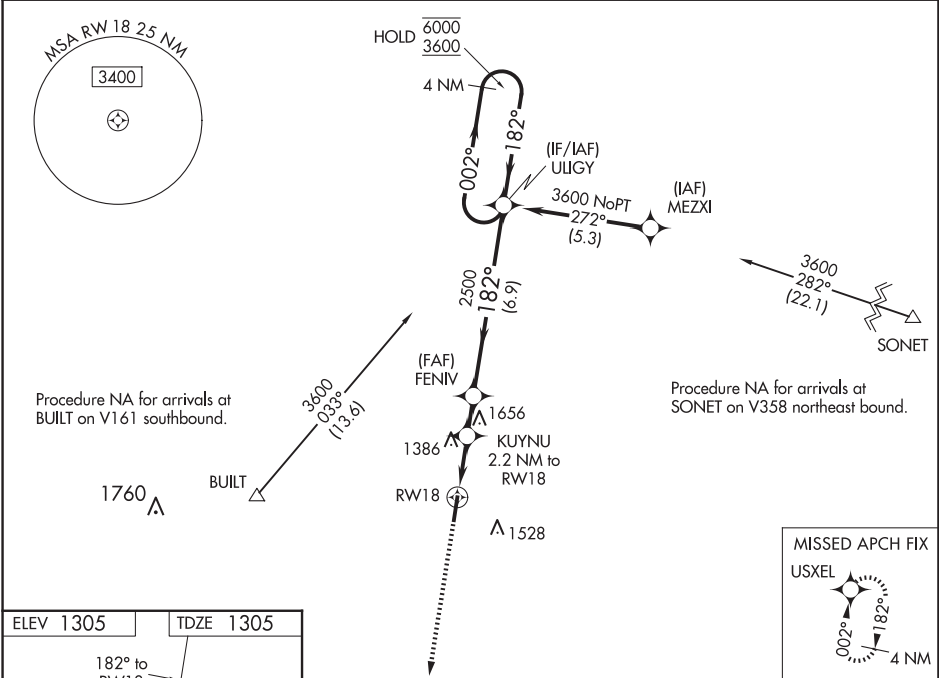
RNAV (GPS) RWY 18
HAMILTON MUNI (MNZ)

RNP APCH-GPS.

▼ Rwy 18 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA
below -17°C or above 54°C.

MISSED APPROACH: Climb to 3100 direct USXEL and hold.

AWOS-3PT 118.525	GRAY APP CON 120.075 323.15	UNICOM 122.7 (CTAF) 0
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ELEV 1305	TDZE 1305
182° to RWY 18	81
5012 X 75	36
MIRL Rwy 18-36 0	

3100	USXEL	4 NM Holding Pattern
*LNAV only.	KUYNU 2.2 NM to RWY 18	FENIV 2500
*0.9 NM to RWY 18	*2040	2500
0.9	1.3 NM	1.4 NM
6.9 NM		
ULIGY	4 NM	002° → 6000
		← 182° 3600
		GP 3.00° TCH 40

CATEGORY	A	B	C	D
LPV DA	1555-1	250 (300-1)		NA
LNAV/VNAV DA	1555-1	250 (300-1)		NA
LNAV MDA	1640-1	335 (400-1)		NA
CIRCLING	1680-1 375 (400-1)	1840-1 535 (600-1)	1960-1¾ 655 (700-1¾)	NA

HAMILTON, TEXAS
Amdt 1E 16JUN22

31°40'N-98°09'W

HAMILTON MUNI (MNZ)
RNAV (GPS) RWY 18

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 50229 W36A	APP CRS 002°	Rwy Idg TDZE 1304 Apt Elev 1305
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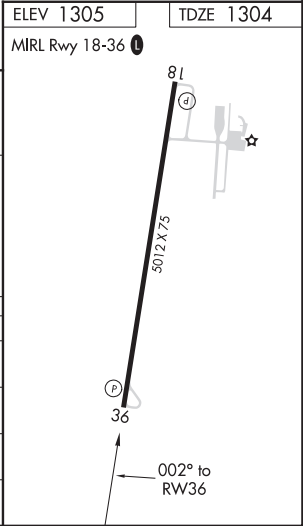
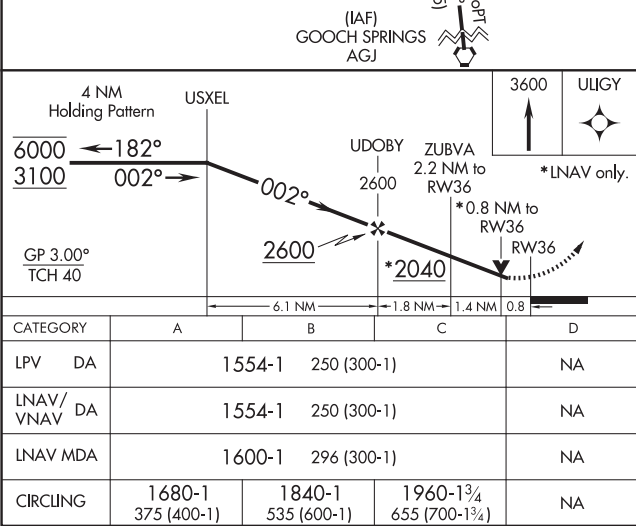
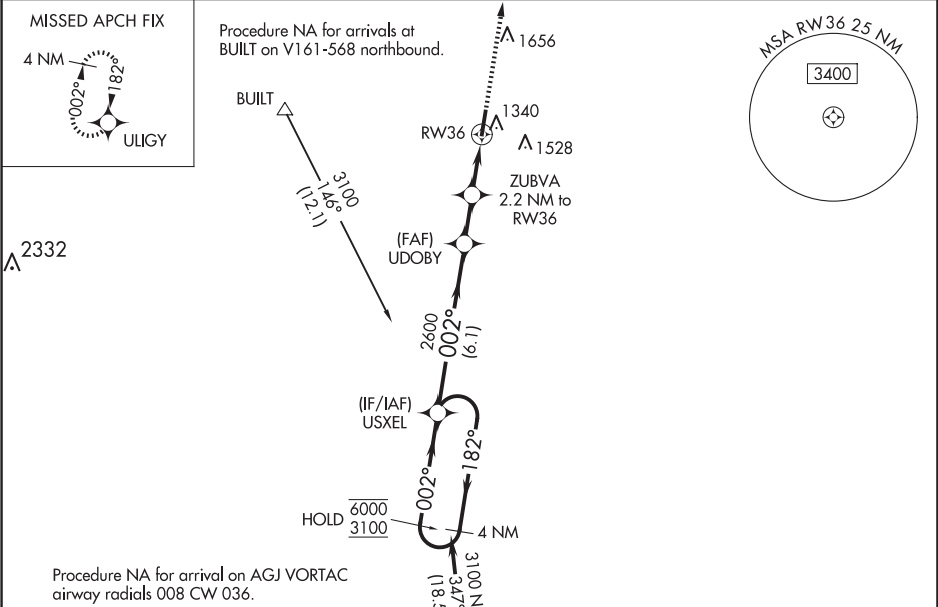
RNAV (GPS) RWY 36
HAMILTON MUNI (MNZ)

RNP APCH-GPS.

⚠ Rwy 36 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA
below -17°C or above 54°C.

MISSED APPROACH: Climb to 3600 direct ULGY and hold.

AWOS-3PT 118.525	GRAY APP CON 120.075 323.15	UNICOM 122.7 (CTAF) 0
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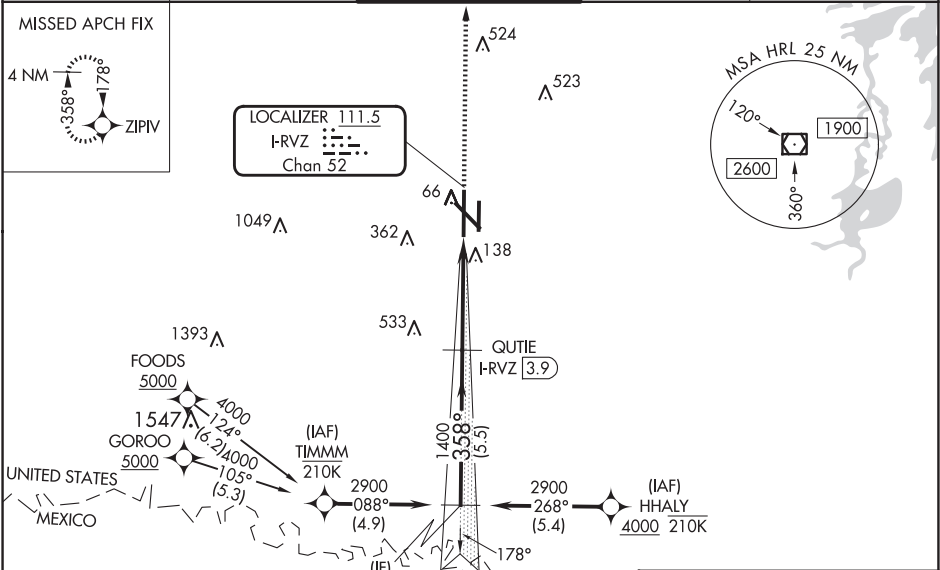
ILS or LOC RWY 18R

LOC/DME I-RVZ	APP CRS	Rwy Ldg	9400
111.5	358°	TDZE	36
Chan 52		Apt Elev	36

ILS or LOC RWY 36L
VALLEY INTL (HRL)

RNP APCH - GPS.		
DME required.		
VDP NA when using PIL altimeter setting. When local altimeter setting not received, use Port Isabel altimeter setting and increase S-ILS 36L DA to 278 feet; increase all MDAs 60 feet and S-LOC 36L Cats C and D visibilities to RVR 5500 and Circling visibility Cats C and D ¼ SM. For inop ALS, increase S-LOC 36L Cat C/D visibility to 1 ½ SM. * RVR 1800 authorized with use of FD or AP or HUD to DA (NA when using PIL altimeter setting).	MALSR	MISSED APPROACH: Climb to 2000 direct ZIPIV and hold.

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3 (CTAF) 0 317.6	GND CON 121.7	UNICOM 122.95
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	ELEV 36		TDZE 36					
	HIRL Rwy 13-31 and 18R-36L REIL Rwy 13 and 18L MIRL Rwy 18L-36R							
	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 74).							
	BOTVE I-RVZ [9.5] QUTIE I-RVZ [3.9] I-RVZ DME ANTENNA I-RVZ [1.1] I-RVZ [0.2]							
	GS 3.00° TCH 55							
	5.5 NM 2.8 NM 1.3 NM							
CATEGORY	A		B		C		D	
S-ILS 36L *	236/24 200 (200-½)							
S-LOC 36L	500/24		464 (500-½)		500/50		464 (500-1)	
CIRCLING	500-1 464 (500-1)		560-1 524 (600-1)		600-1¾ 564 (600-1¾)		680-2 644 (700-2)	

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS RWY 18R (SA CAT I & II)

APP CRS 133°	Rwy Ldg TDZE Apt Elev	7257 35 36
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RNAV (RNP) Z RWY 13
VALLEY INTL (HRL)

T For uncompensated Baro-VNAV systems, procedure NA below -1°C or above 54°C. When local altimeter setting not received, procedure NA.

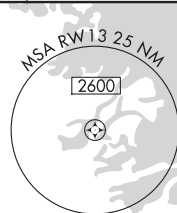
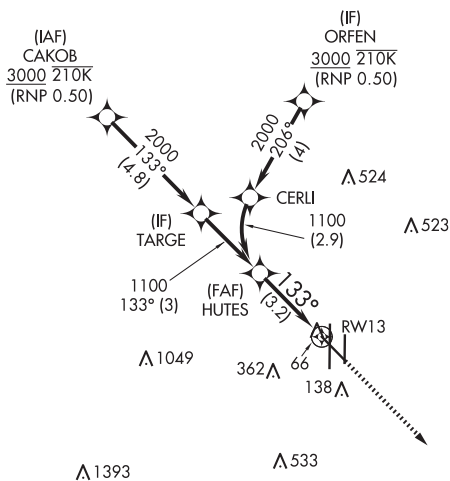
MISSED APPROACH: Climb to 2000 direct AMAPE and hold.

ATIS
124.85

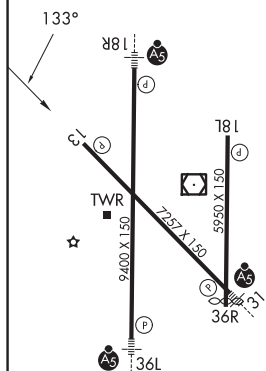
VALLEY APP CON
120.7 279.5

HARLINGEN TOWER ★
119.3 (CTAF) **L** 317.6

GND CON
121.7

UNICOM
122.95

ELEV	36	D	TDZE	35
------	----	----------	------	----

 TDZE | 35 |

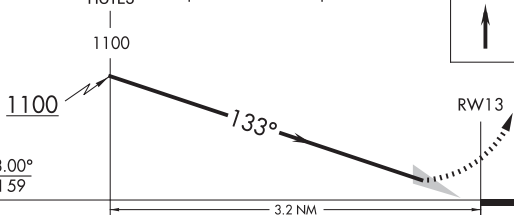
MIRL Rwy 18L-36R
REIL Rwy 13 and 18L
HIRL Rwy 13-31 and 18R-36L

UNITED STATES
MEXICO

HUTES See planview for multiple IF locations.

2000

AMAPE



CATEGORY	A	B	C	D
RNP 0.15 DA		285- $\frac{3}{4}$	250 (300- $\frac{3}{4}$)	
RNP 0.30 DA		342- $\frac{7}{8}$	307 (400- $\frac{7}{8}$)	

AUTHORIZATION REQUIRED

Amdt 1 11JUL24

VALLEY INTL (HRL)

26°14'N-97°39'W

RNAV (RNP) Z RWY 13

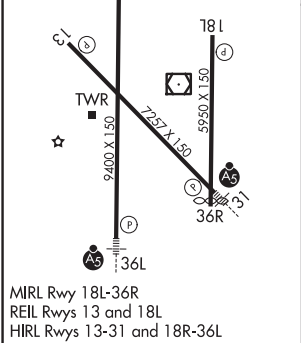
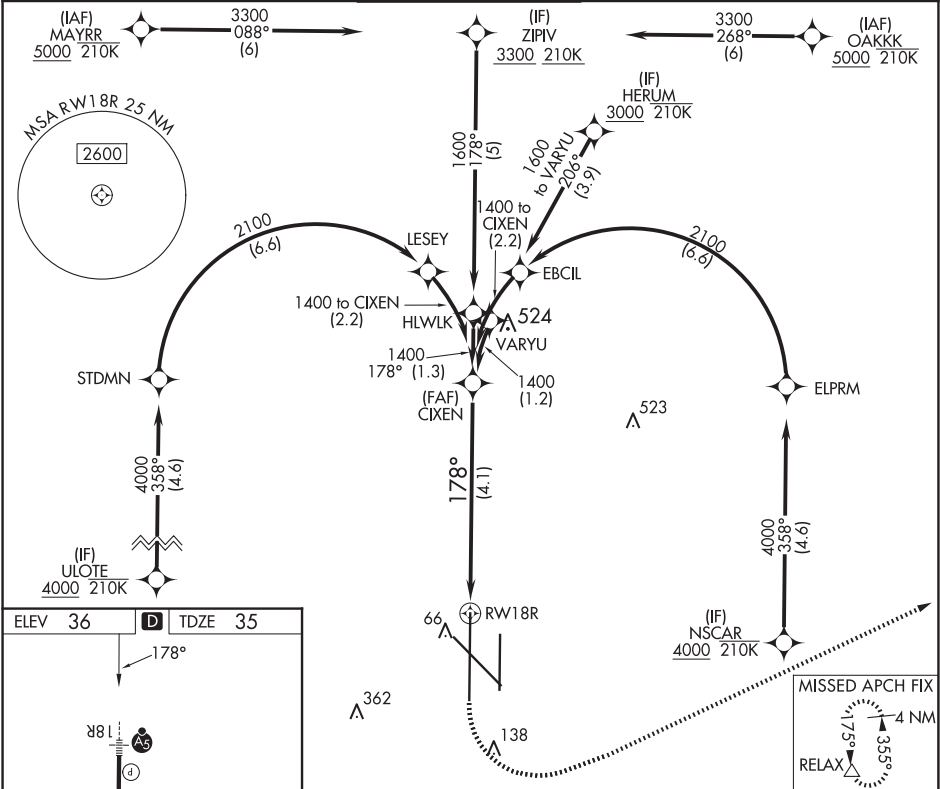
SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS	Rwy Ldg	9400
178°	TDZE	35
	Apt Elev	36

RNAV (RNP) Z RWY 18R
VALLEY INTL (HRL)

RNP AR APCH - GPS.	MALSR	MISSED APPROACH: Climb to 500 then climbing left turn to 2000 direct RELAX and hold.
▼ For uncompensated Baro-VNAV systems, procedure NA below -1°C or above 54°C. When local altimeter setting not received, procedure NA. For inop ALS, increase RNP 0.11 all Cats visibility to RVR 4000 and RNP 0.30 all Cats visibility to RVR 4500.		

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER★ 119.3(CTAF) 0 317.6	GND CON 121.7	UNICOM 122.95
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500	2000	RELAX	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71)	CIXEN 1400
RW18R				
See planview for multiple IF locations.				
4.1 NM				
CATEGORY	A	B	C	D
RNP 0.11 DA	285/24		250 (300-1/2)	
RNP 0.30 DA	345/24		310 (400-1/2)	
AUTHORIZATION REQUIRED				

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

HARLINGEN, TEXAS

AL-827 (FAA)

25163

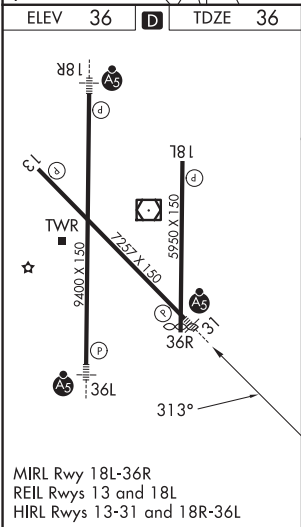
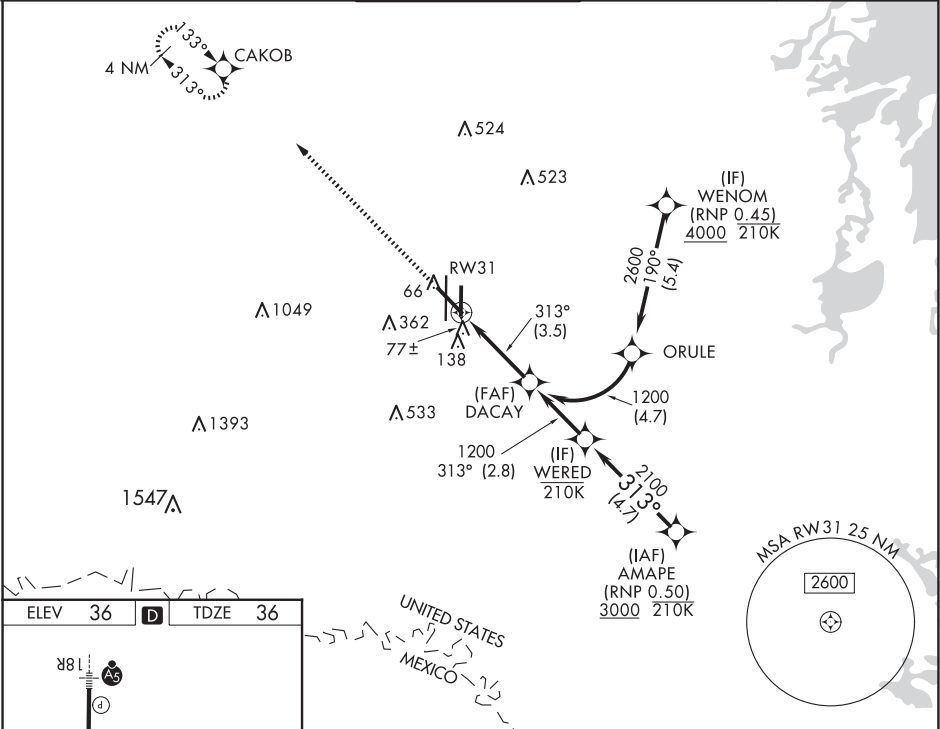
APP CRS	Rwy Ldg	7257
313°	TDZE	36
	Apt Elev	36

RNAV (RNP) Z RWY 31

VALLEY INTL (HRL)

RNP AR APCH - GPS.	MALSR	MISSED APPROACH: Climb to 2000 direct CAKOB and hold.
For uncompensated Baro-VNAV systems, procedure NA below -1°C or above 54°C. For inop ALS, increase RNP 0.11 all Cats visibilities to ¾ SM and increase RNP 0.30 all Cats visibilities ⅞ SM. When local altimeter setting not received, procedure NA.		

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3(CTAF) 317.6	GND CON 121.7	UNICOM 122.95
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2000 CAKOB

See Planview for multiple IF locations.

DACAY 1200

RW31

313°

GP 3.00° TCH 55

3.5 NM

CATEGORY	A	B	C	D
RNP 0.11 DA		286-½	250 (300-½)	
RNP 0.30 DA		339-½	303 (400-½)	

AUTHORIZATION REQUIRED

HARLINGEN, TEXAS
Amdt 2 11JUL24

26°14'N-97°39'W

RNAV (RNP) Z RWY 31

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS	Rwy Ldg	9400
358°	TDZE	36
	Apt Elev	36

RNAV (RNP) Z RWY 36L

VALLEY INTL (HRL)

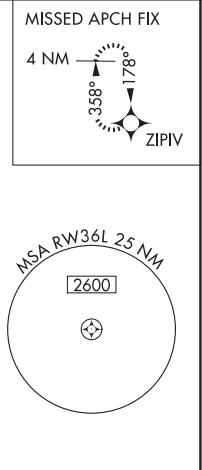
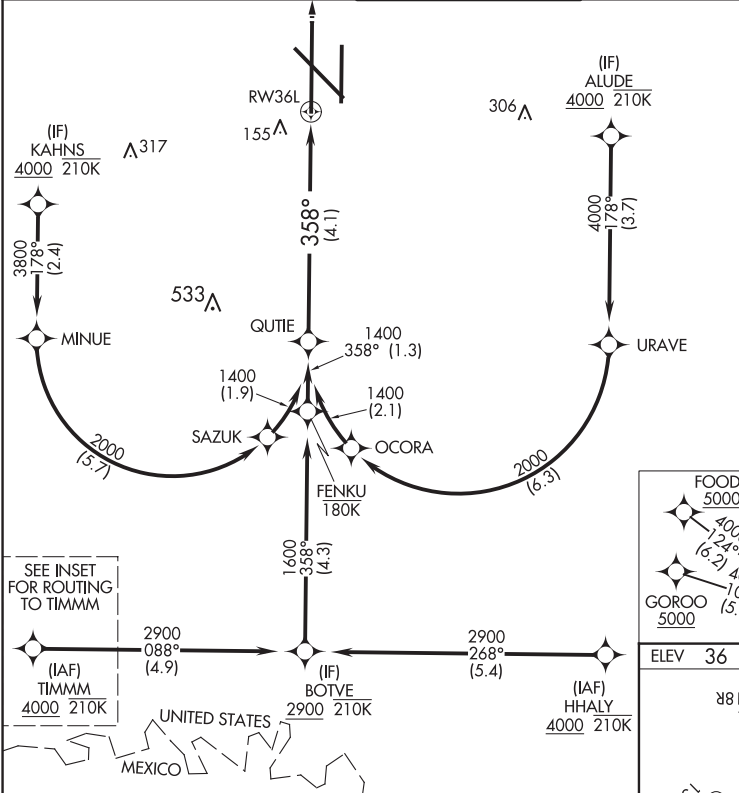
RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -1°C or above 54°C. When local altimeter setting not received, procedure NA. For inop ALS, increase RNP 0.11 DA all Cnts visibility to ¾ SM.

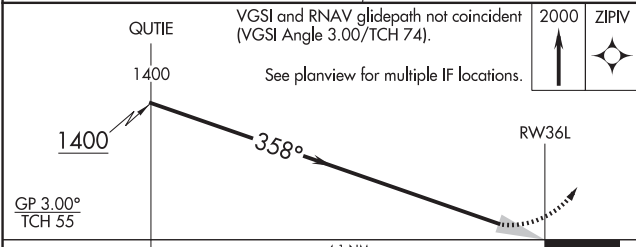
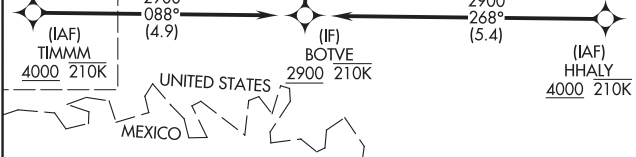
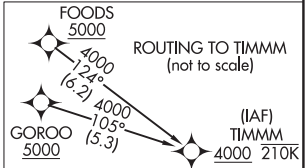


MISSED APPROACH: Climb to 2000 direct ZIPIV and hold.

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER★ 119.3(CTAF) 317.6	GND CON 121.7	UNICOM 122.95
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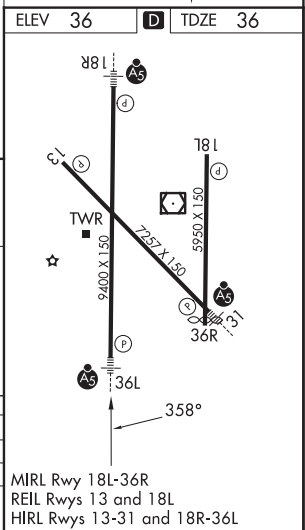


SEE INSET FOR ROUTING TO TIMMM



CATEGORY	A	B	C	D
RNP 0.11 DA		334-1/2	298 (300-1/2)	
RNP 0.30 DA		484-7/8	448 (500-7/8)	

AUTHORIZATION REQUIRED

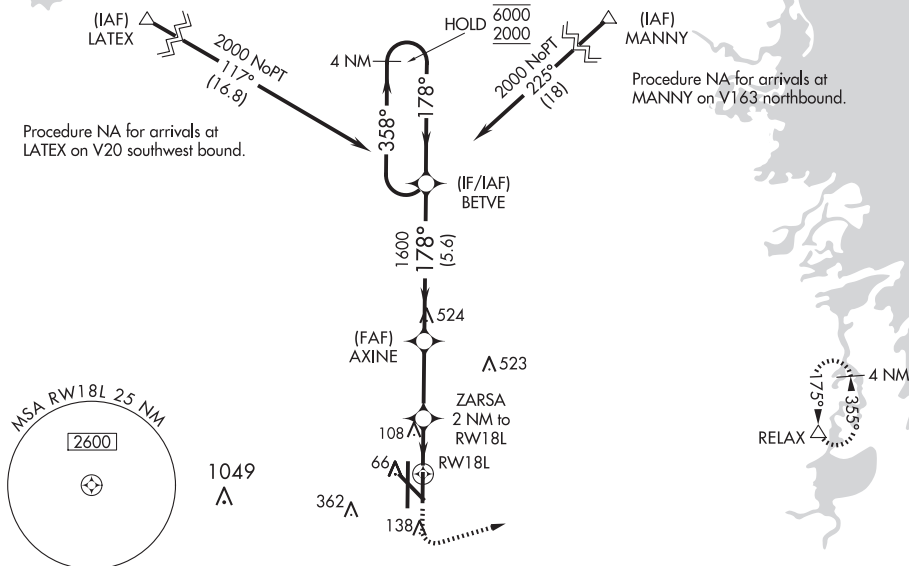


SC-3, 12 JUN 2025 to 07 AUG 2025

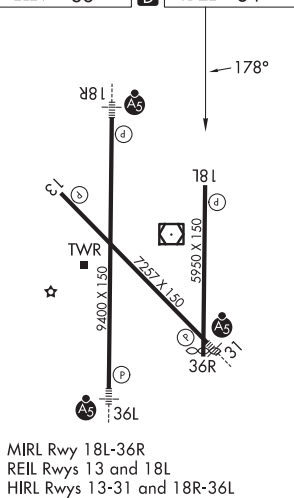
SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 18L
VALLEY INTL (HRL)

MISSED APPROACH:
Climb to 500 then
climbing left turn to
2000 direct RELAX
and hold.

UNICOM
122.95

D TDZE 34



VALLEY INTL (HRL)

RNAV (GPS) RWY 18L

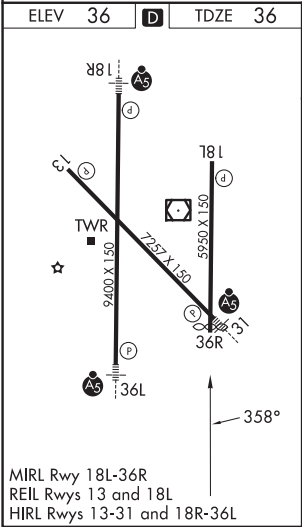
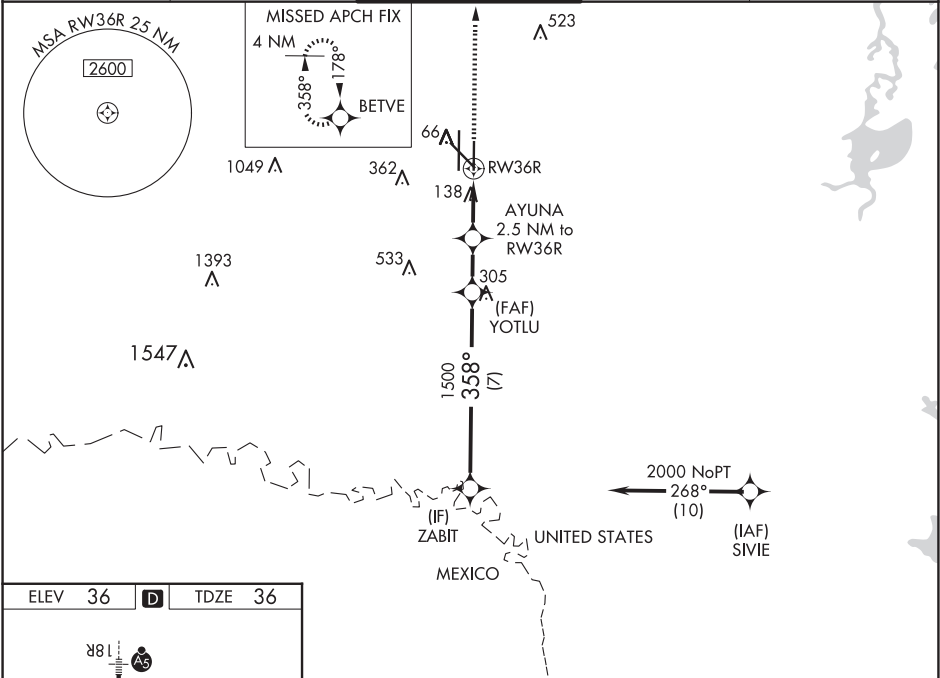
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 72830 W36A	APP CRS 358°	Rwy Ldg TDZE Apt Elev	5759 36 36
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RNAV (GPS) RWY 36R

VALLEY INTL (HRL)

RNP APCH - GPS.				MISSED APPROACH: Climb to 2000 direct BETVE and hold.
<div><div><div></div><div></div></div><div>For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C. Baro-VNAV and VDP NA when using Port Isabel altimeter setting. When local altimeter setting not received, use Port Isabel altimeter setting: increase LPV DA to 278 feet; increase LNAV/VNAV DA to 328 feet and all visibilities ½ SM, increase all MDAs 60 feet and LNAV visibility Cat C and D ½ SM, and Circling visibility Cats C and D ¼ SM.</div></div>				
ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3 (CTAF) 317.6	GND CON 121.7	UNICOM 122.95



2000	BETVE	AYUNA 2.5 NM to RW36R	YOTLU 1500	ZABIT	2000
		1 NM to RW36R			
		880	1500		GP 3.00° TCH 55
		1 NM	1.5 NM	2 NM	7 NM
CATEGORY	A	B	C	D	
LPV DA		236-¾	200 (200-¾)		
LNAV/VNAV DA		286-¾	250 (300-¾)		
LNAV MDA		400-1	364 (400-1)		
CIRCLING	460-1 424 (500-1)	560-1 524 (600-1)	600-1½ 564 (600-1½)	680-2 644 (700-2)	

HARLINGEN, TEXAS

AL-827 (FAA)

25163

WAAS CH 78230 W13A	APP CRS 133°	Rwy Ldg TDZE 35 Apt Elev 36
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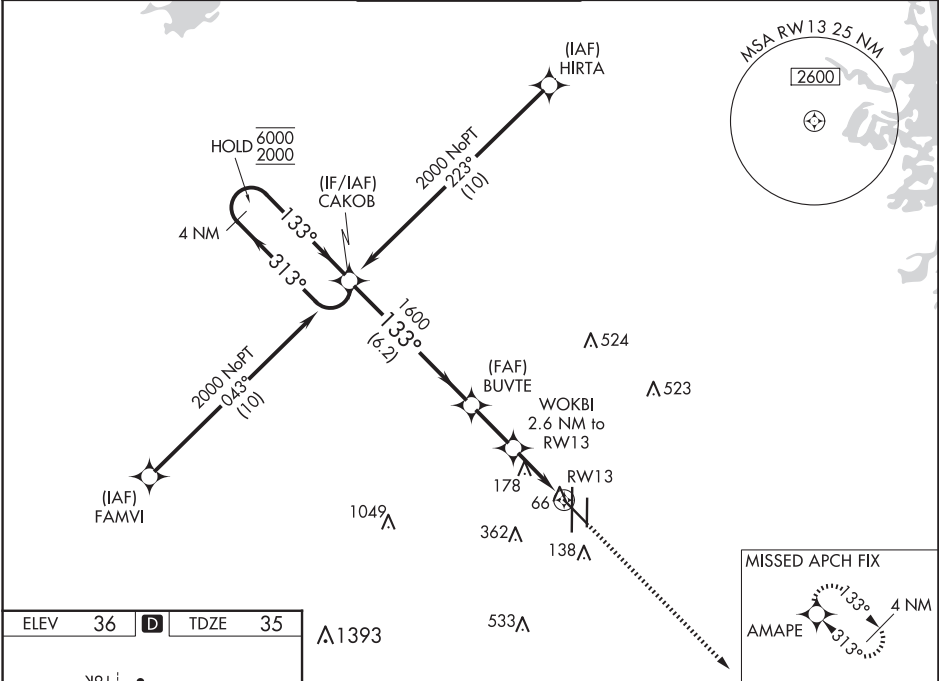
RNAV (GPS) Y RWY 13
VALLEY INTL (HRL)

RNP APCH - GPS.

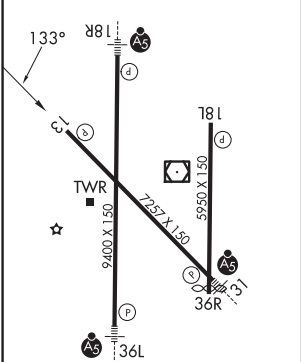
⚠ Baro-VNAV and VDP NA when using Port Isabel altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C. When local altimeter setting not received, use Port Isabel altimeter setting: increase LPV DA to 327 feet and all visibilities ½ SM; increase LNAV/VNAV DA to 327 feet and all visibilities ½ SM; increase all MDAs 60 feet and visibility Cats C and D ¼ SM.

MISSED APPROACH:
Climb to 2000 direct AMAPE and hold.

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3 (CTAF) 317.6	GND CON 121.7	UNICOM 122.95
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ELEV 36	D	TDZE 35
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MIRL Rwy 18L-36R
REIL Rwy 13 and 18L
HIRL Rwy 13-31 and 18R-36L

4 NM Holding Pattern				CAKOB		2000 ↑		AMAPE ✦	
6000 ← 313°		2000 → 133°		133°		BUVTE 1600		WOKBI 2.6 NM to RW13	
								1.1 NM to RW13	
GP 3.00°		TCH 59		1600		920		RW13	
		6.2 NM		2.1 NM		1.5 NM		1.1	
CATEGORY	A		B		C		D		
LPV DA			285-¾		250 (300-¾)				
LNAV/VNAV DA			285-¾		250 (300-¾)				
LNAV MDA	440-1		405 (500-1)		440-1½		405 (500-1½)		
CIRCLING	460-1 424 (500-1)		560-1 524 (600-1)		600-1½ 564 (600-1½)		680-2 644 (700-2)		

HARLINGEN, TEXAS

Amdt 3 11JUL24

26°14'N-97°39'W

RNAV (GPS) Y RWY 13
VALLEY INTL (HRL)

WAAS CH 50131 W18A	APP CRS 178°	Rwy Ldg 9400 TDZE 35 Apt Elev 36
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RNAV (GPS) Y RWY 18R
VALLEY INTL (HRL)

RNP APCH - GPS.

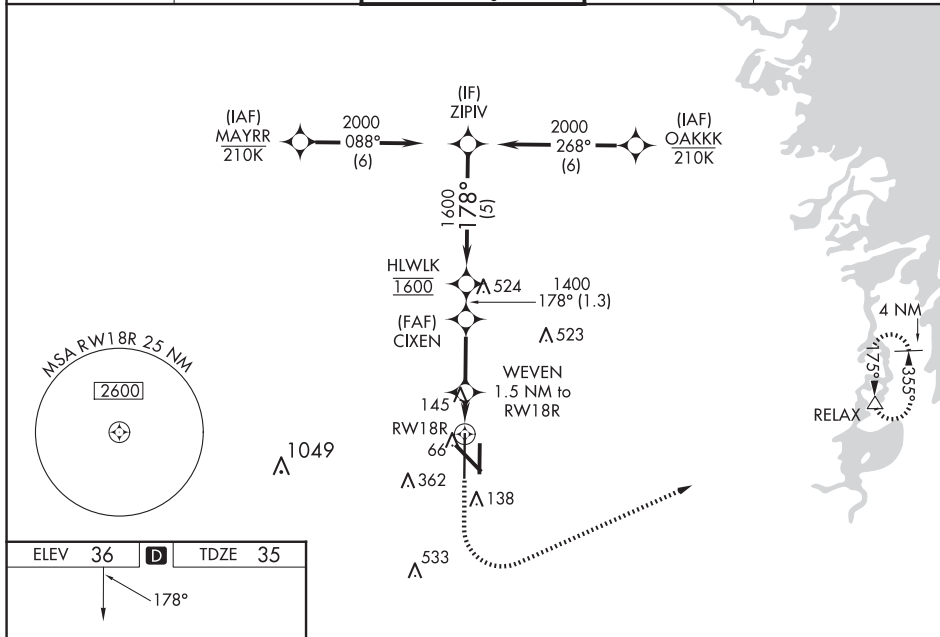
T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C.
A For inop ALS, increase LNAV/VNAV all Cts visibility to RVR 4000, LNAV Cts C and D visibility to RVR 5500. When local altimeter setting not received, use Port Isabel altimeter setting and increase LPV DA to 277 feet; increase LNAV/VNAV DA to 327 feet; increase all MDAs 60 feet and LNAV visibility Cat C/D to RVR 4000 and Circling visibility Cat C/D ¼ SM. For inop ALS when using Port Isabel altimeter setting, increase LNAV/VNAV all Cts visibility to RVR 4500. Baro-VNAV and VDP NA when using Port Isabel altimeter setting.
 * RVR 1800 authorized with use of FD or AP or HUD to DA, (NA when using Port Isabel altimeter setting).

MALSR

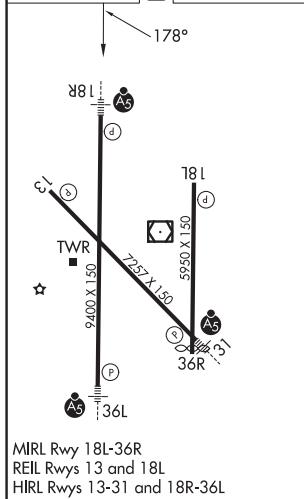


MISSED APPROACH:
Climb to 500 then
climbing left turn to
2000 direct RELAX
and hold

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER★ 119.3 (CTAF) 0 317.6	GND CON 121.7	UNICOM 122.95
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ELEV 36	D	TDZE 35
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500 2000 RELAX VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71) HLWLK

See planview for multiple IF locations.

0.9 NM to RW18R

WEVEN 1.5 NM to RW18R

CIXEN 1400 178° 1400

1600

GP 3.00° TCH 55°

0.9 NM 0.6 NM 2.6 NM 1.3 NM

CATEGORY	A	B	C	D
LPV DA *	235/24	200 (200-½)		
LNNAV/DA	285/24	250 (300-½)		
LNNAV MDA	400/24	365 (400-½)	400/35	365 (400-¾)
C CIRCLING	460-1 424 (500-1)	560-1 524 (600-1)	600-1½ 564 (600-½)	680-2 644 (700-2)

WAAS CH 82530 W31A	APP CRS 313°	Rwy Ldg 7257 TDZE 36 Apt Elev 36
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RNAV (GPS) Y RWY 31

VALLEY INTL (HRL)

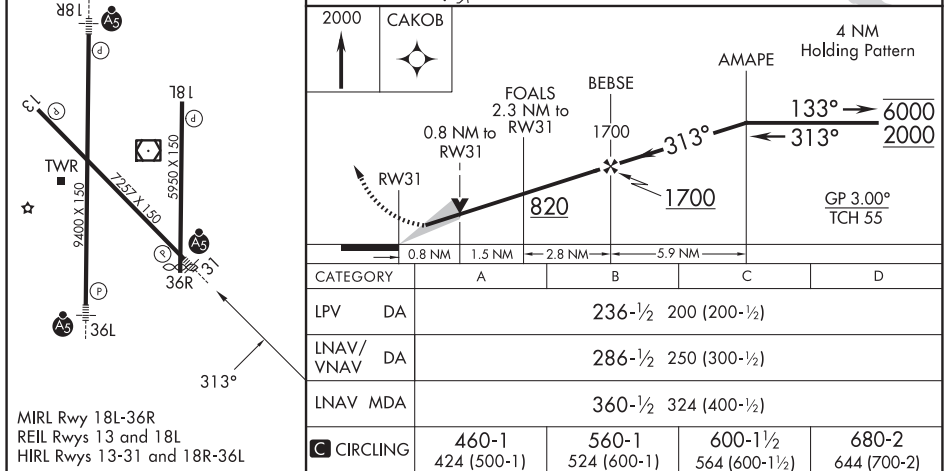
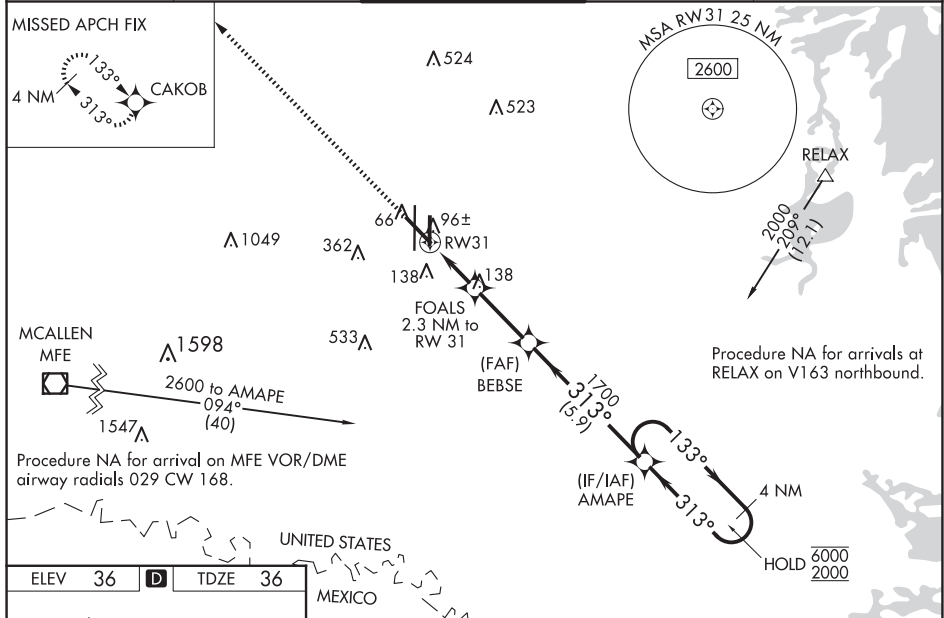
RNP APCH - GPS

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C.
▲ Baro-VNAV and VDP NA when using Port Isabel altimeter setting. For inop ALS, increase LNAV/VNAV all Cats visibilities to ¾ SM. For inop ALS when using Port Isabel altimeter setting, increase LNAV/VNAV all Cats visibilities to 7/8 SM. When local altimeter setting not received, use Port Isabel altimeter setting; increase LPV DA to 278 feet; increase LNAV/VNAV DA to 328 feet; increase all MDAs 60 feet and LNAV visibility Cats C and D ½ SM and Circling visibility Cat C and D ¼ SM.



MISSED APPROACH:
Climb to 2000 direct
CAKOB and hold.

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3 (CTAF) 317.6	GND CON 121.7	UNICOM 122.95
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RNAV (GPS) Y RWY 31

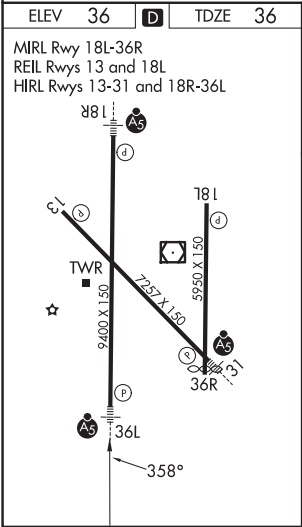
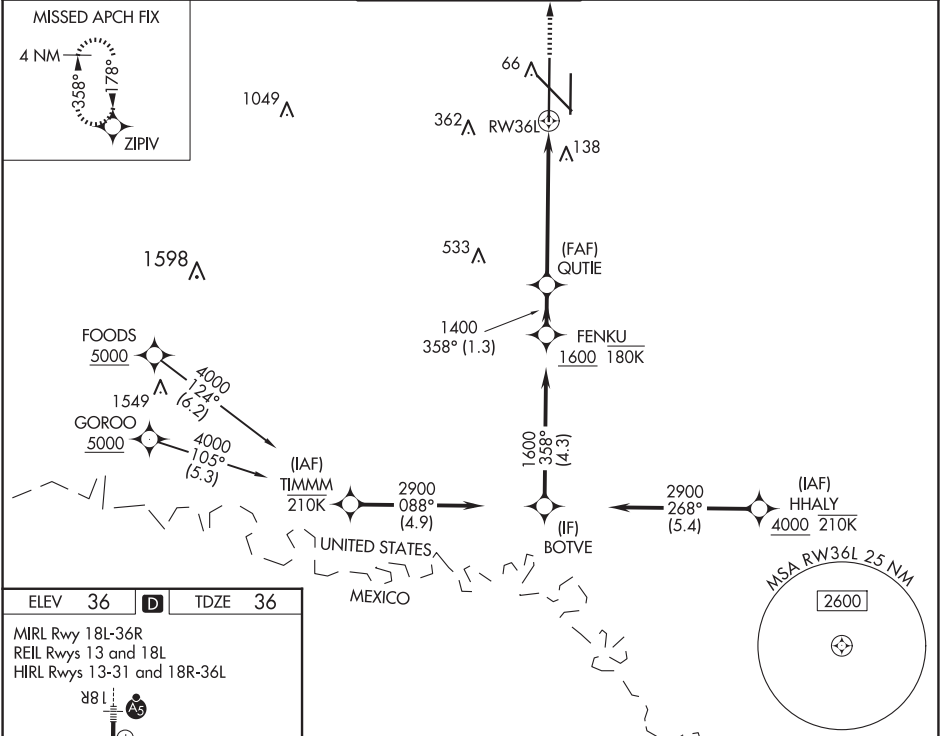
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 86530 W36B	APP CRS 358°	Rwy Ldg TDZE 36 Apt Elev 36	9400
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RNAV (GPS) Y RWY 36L
VALLEY INTL (HRL)

RNP APCH - GPS.				MALSR 	MISSED APPROACH: Climb to 2000 direct ZIPIV and hold.
<div><div><div><div>T</div><div>A</div></div><div>For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C or above 54°C. Baro-VNAV and VDP NA when using Port Isabel altimeter setting. When local altimeter setting not received, use Port Isabel altimeter setting and increase LPV DA to 278 feet; increase LNAV/VNAV DA to 447 feet and all visibilities ½ SM. Increase all MDAs 60 feet, and LNAV visibility Cat C and D ¼ SM; and Circling visibility Cats C and D ¼ SM.</div></div></div>					
ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3(CTAF)  317.6	GND CON 121.7	UNICOM 122.95	



2000	ZIPIV	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 74).		FENKU
↑	✧	1.3 NM to RW36L	1400	358° 1600
RW36L		1.3 NM	2.8 NM	1.3 NM
GP 3.00° TCH 55				
CATEGORY	A	B	C	D
LPV DA	236-¾		200 (200-¾)	
LNAV/VNAV DA	405-1		369 (400-1)	
LNAV MDA	500-1	464 (500-1)	500-1¾	464 (500-1¾)
CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	600-1½ 564 (600-1½)	680-2 644 (700-2)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

VOR/DME HRL 113.65 Chan 83 (Y)	APP CRS 160°	Rwy Ldg TDZE Apt Elev	9400 35 36
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VOR RWY 18R
VALLEY INTL (HRL)

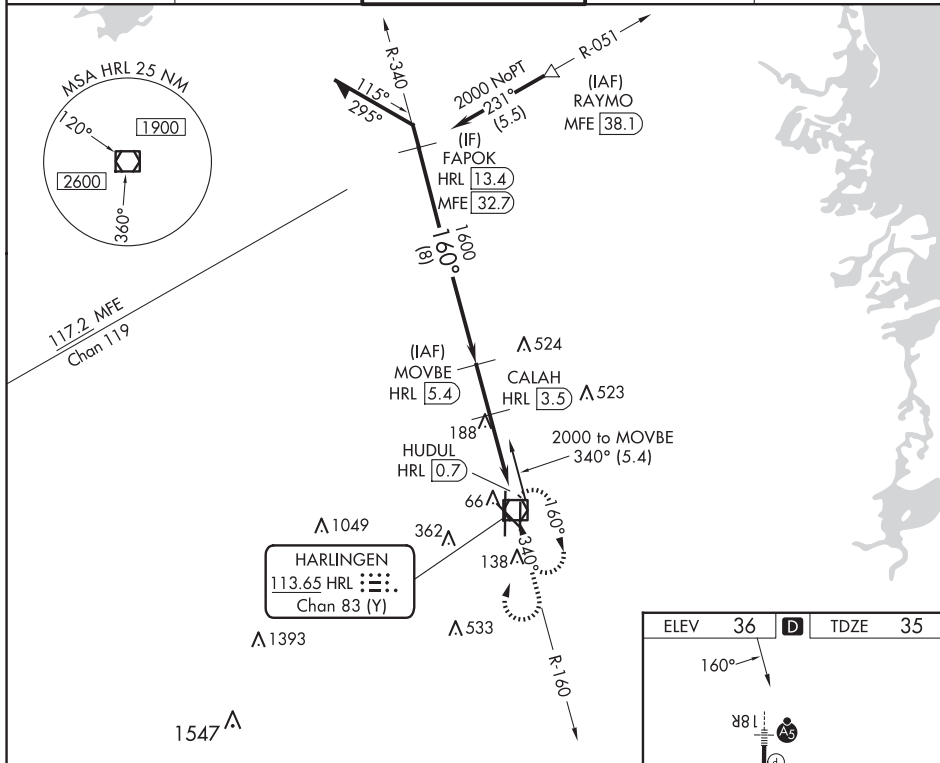
DME required.

T For inop ALS, increase S-18R Cat C/D visibility to 1½ SM. When local altimeter setting not received, use Port Isabel altimeter setting and increase all MDAs 60 feet and S-18R visibility Cat C/D to RVR 5500 and Circling visibility Cat C/D ¼ SM. VPD NA when using Port Isabel altimeter setting.

MALSR

MISSED APPROACH: Climb to 1200 then climbing right turn to 2000 direct HRL VOR/DME and hold, continue to climb in hold to 2000.

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3(CTAF) 0 317.6	GND CON 121.7	UNICOM 122.95
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VGSI and descent angles not
(VGSI Angle 3.00/TCH 71).

MOVBE	
HRL	5.4

1200	
------	--

HRL

Remain
within 10 NM

Remain
in 10 NM

2000

340°

160°

1600

HRL 3

HRL
1.8

	HU
	HR

 $\leftarrow 1.9$

←1.7 NM

CATEGORY	A	B	C	D
S-18R	440/24	405 (500-½)	440/40	405 (500-¾)
C CIRCLING	460-1 424 [500-1]	560-1 524 [600-1]	600-1½ 564 [600-1½]	680-2 644 [700-2]

MIRL Rwy 18L-36R
REIL Rwy 13 and 18L
HIRL Rwy 13-31 and 18R-36L

VOR RWY 18R

VORTAC BRO

116.3

Chan 110

APP CRS

311°

Rwy Ldg

7257

TDZE

36

Apt Elev

36

VOR Y or TACAN RWY 31

VALLEY INTL (HRL)

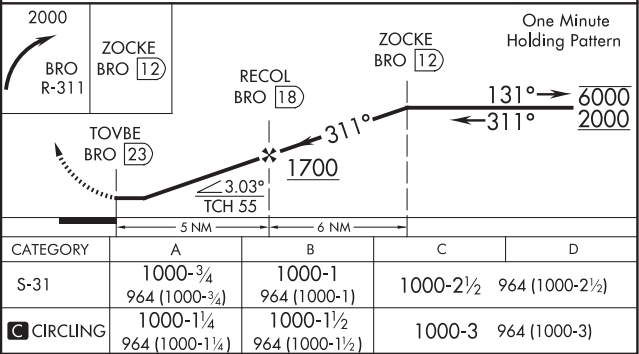
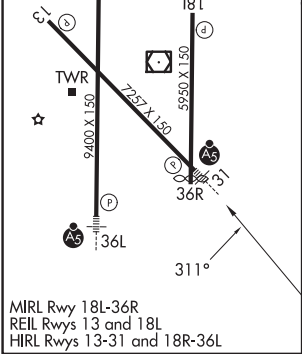
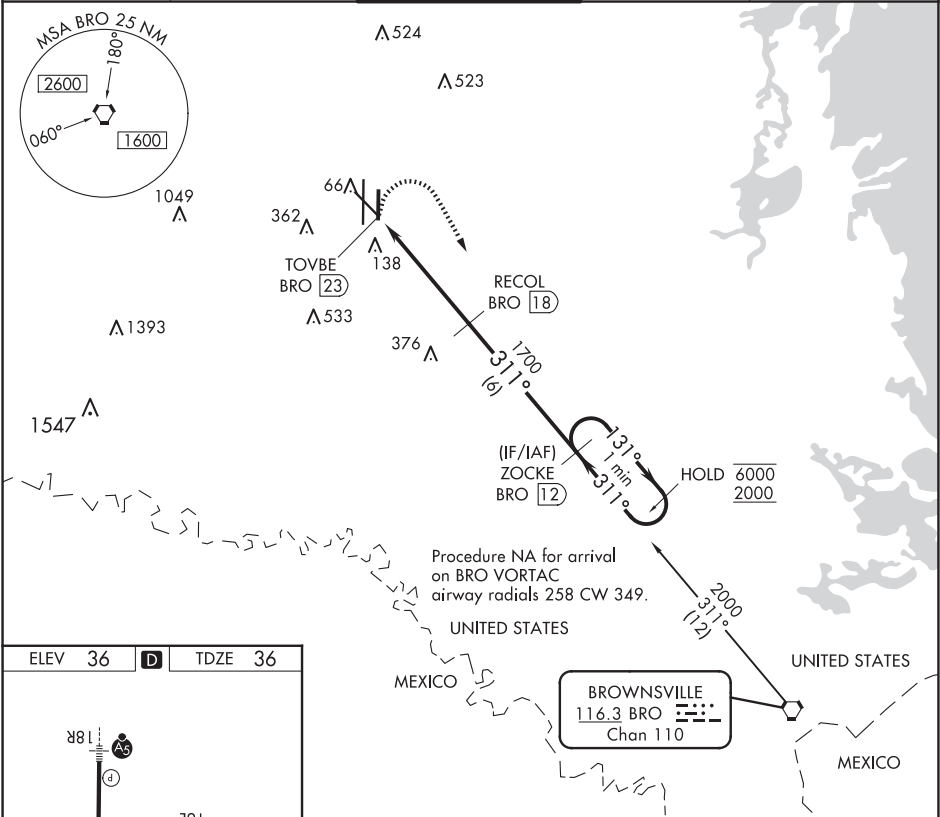
DME required.

When local altimeter setting not received, use Port Isabel altimeter setting and increase all MDAs 60 feet.

MALSR

MISSED APPROACH: Climbing right turn to 2000 on BRO R-311 to ZOCKE/12 DME and hold.

ATIS 124.85	VALLEY APP CON 120.7 279.5	HARLINGEN TOWER ★ 119.3 (CTAF) 317.6	GND CON 121.7	UNICOM 122.95
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VOR Z RWY 31
VALLEY INTL (HRL)

T VDP NA when using Port Isabel altimeter setting. When local altimeter setting not received, use Port Isabel altimeter setting and increase all MDAs 60 feet and S-31 visibility Cat C/D ½ SM, and Circling visibility Cat C/D ¼ SM. For inop ALS, increase S-31 Cats C/D visibilities to 1½ SM.



MISSED APPROACH: Climb to 1000 then climbing right turn to 2100 direct HRL VOR/DME and hold, continue climb and hold to 2100.

MIRL Rwy 18L-36R
 REIL Rwys 13 and 18L
 HIRL Rwys 13-31 and 18R-36L

CATEGORY	A	B	C	D
S-31	420-1½ 384 (400-1½)		420-¾ 384 (400-¾)	
C CIRCLING	460-1 424 (500-1)	560-1 524 (600-1)	600-1½ 564 (600-1½)	680-2 644 (700-2)


VALLEY INTL (HRL)
VOR Z RWY 31

ATIS
124.85
HARLINGEN TOWER★
119.3 (CTAF) **L** 317.6
GND CON
121.7

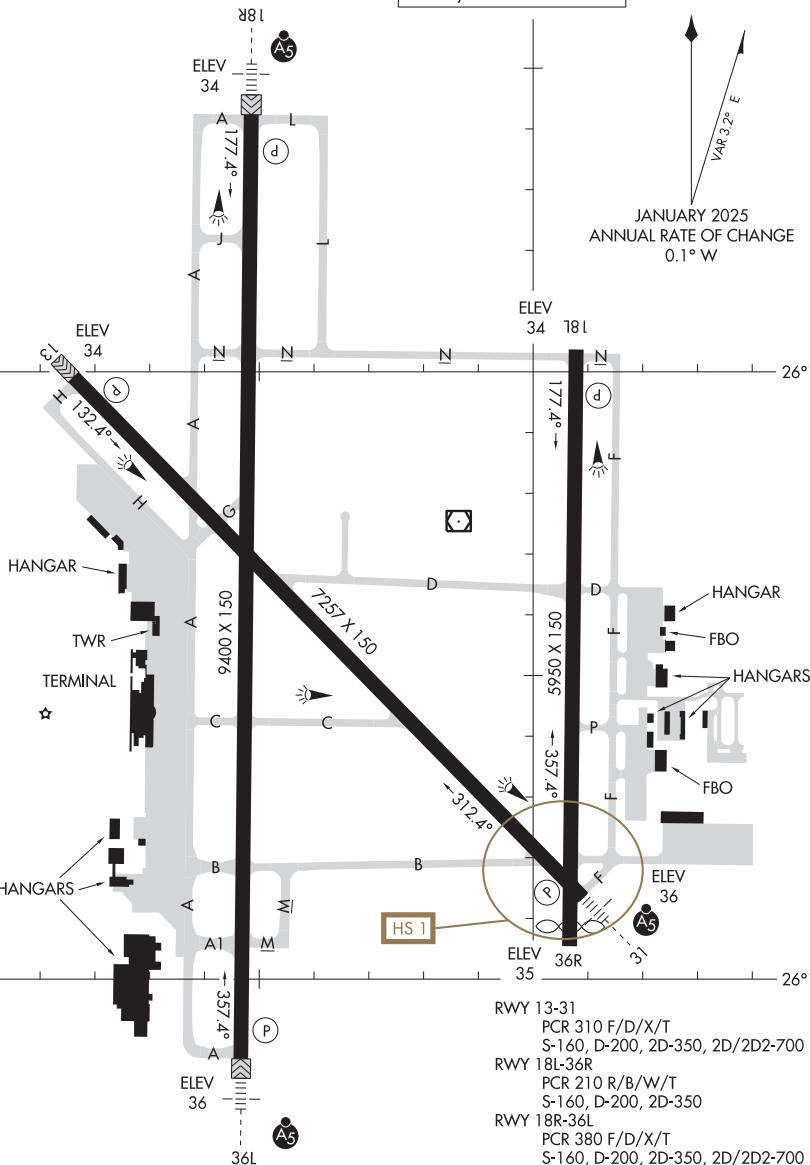
97°39'W

FIELD
ELEV
36

HIRL Rwy 18R-36L and 13-31
MIRL Rwy 18L-36R
REIL Rwy 18L and 13



 MAY 2025
 RATE OF CHANGE
 1° W



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

HARLINGEN, TEXAS
VALLEY INTL (HRL)

HEBBRONVILLE, TEXAS

AL-6539 (FAA)

25163

WAAS CH 45918 W13A	APP CRS 128°	Rwy Ldg TDZE 661 Apt Elev 663
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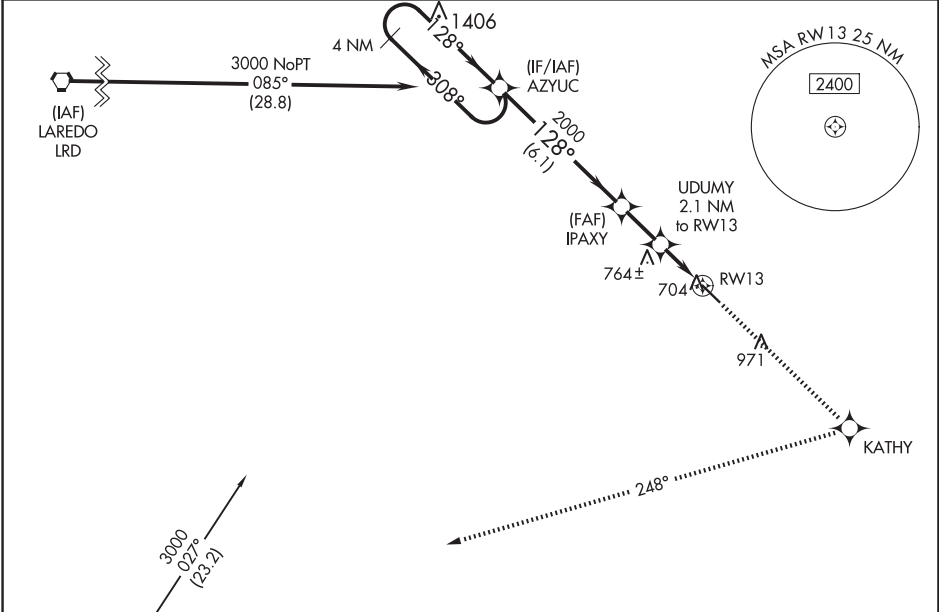
RNAV (GPS) RWY 13
JIM HOGG COUNTY (HBV)

⚠ Baro-VNAV NA when using Laredo altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.

⚠ Visibility reduction by helicopters NA. When local altimeter setting not received, use Laredo altimeter setting: increase LPV DA to 1026 feet and all visibilities ¼ SM; increase LNAV/VNAV DA to 1089 feet and all visibilities ½ SM; increase all MDAs 120 feet and increase LNAV Cat C and Circling Cat C visibility ¼ SM. VDP NA with Laredo altimeter setting.

MISSED APPROACH: Climb to 3000 direct KATHY and right turn on track 248° to NELEE and hold

AWOS-3PT 118.075	HOUSTON CENTER 127.8 307.2	UNICOM 122.8 (CTAF) 0
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4 NM Holding Pattern

GP 3.00° TCH 39°

3000 ← 308° 128° → 2000

6.1 NM 1.9 NM 1.1 NM 1 NM

CATEGORY	A	B	C	D
LPV DA	911-1	250 (300-1)		NA
LNAV/VNAV DA	974-1	313 (400-1)		NA
LNAV MDA	1020-1	359 (400-1)		NA
CIRCLING	1040-1 377 (400-1)	1120-1 457 (500-1)	1280-1¾ 617 (700-1¾)	NA

ELEV 663 **TDZE 661**

128°

5003 X75

MIRL Rwy 13-31 0

HEBBRONVILLE, TEXAS

Orig-A 20MAY21

27°21'N - 98°44'W

JIM HOGG COUNTY (HBV)
RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 69619 W17A	APP CRS 172°	Rwy Idg TDZE 6002 929 Apt Elev 930
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RNAV (GPS) RWY 17L

SOUTH TEXAS RGNL AT HONDO (HDO)

RNP APCH.

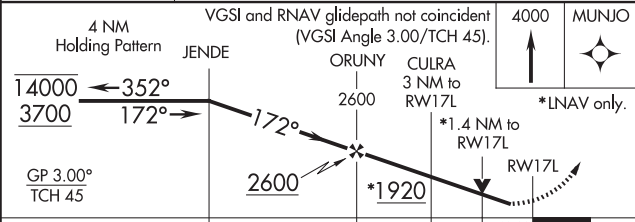
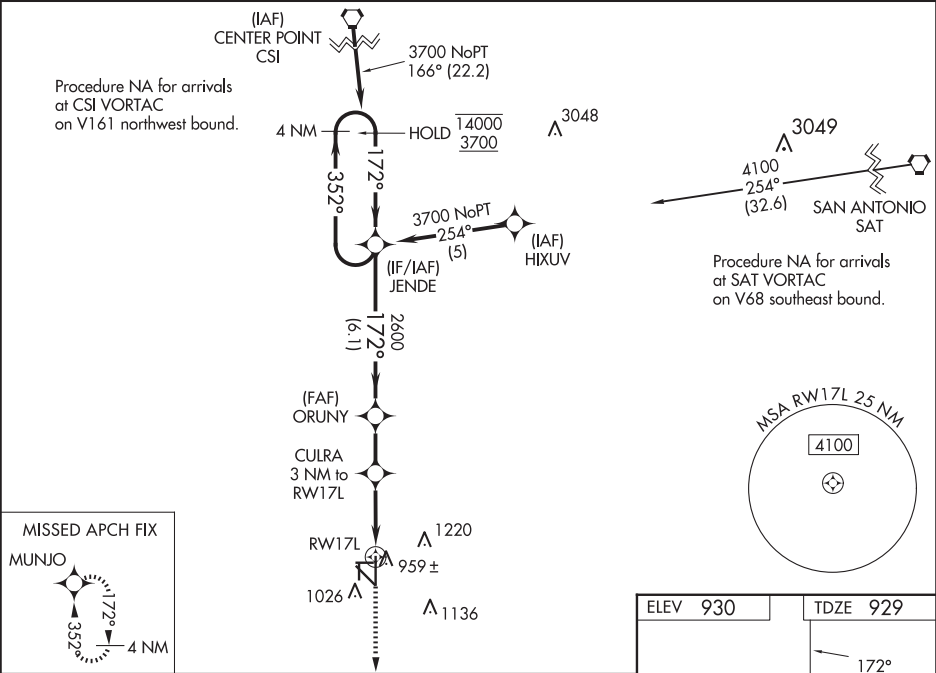
▼

▲

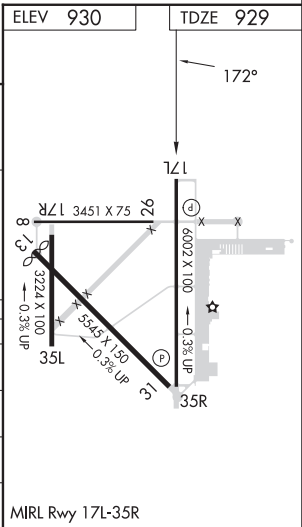
Baro-VNAV and VDP NA when using Castroville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 47°C. When local altimeter setting not received, use Castroville altimeter setting and increase all DA 62 feet and all MDA 80 feet, increase LNAV/VNAV all Cts visibility 1/8 SM, LNAV and Circling Cts C/D visibility 1/4 SM. Rwy 17L helicopter visibility reduction below 3/4 SM NA. Circling to Rwys 8, 13, 17R, 26, 31 and 35L NA at night.

MISSED APPROACH: Climb to 4000 direct MUNJO and hold, continue climb-in-hold to 4000.

ASOS 119.675	HOUSTON CENTER 134.95 269.4	UNICOM 122.725 (CTAF)
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CATEGORY	A	B	C	D
LPV DA	1 179-1 250 (300-1)			
LNAV/ VNAV DA	1 314-1¼ 385 (400-1¼)			
LNAV MDA	1 420-1 491 (500-1)	1 420-1⅜ 491 (500-1⅜)	1 420-1½ 491 (500-1½)	
CIRCLING	1 440-1 510 (600-1)	1 520-1 590 (600-1)	1 580-1¼ 650 (700-1¼)	1 580-2 650 (700-2)



WAAS CH 48820 W35A	APP CRS 352°	Rwy Idg TDZE Apt Elev 6002 917 930
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RNAV (GPS) RWY 35R

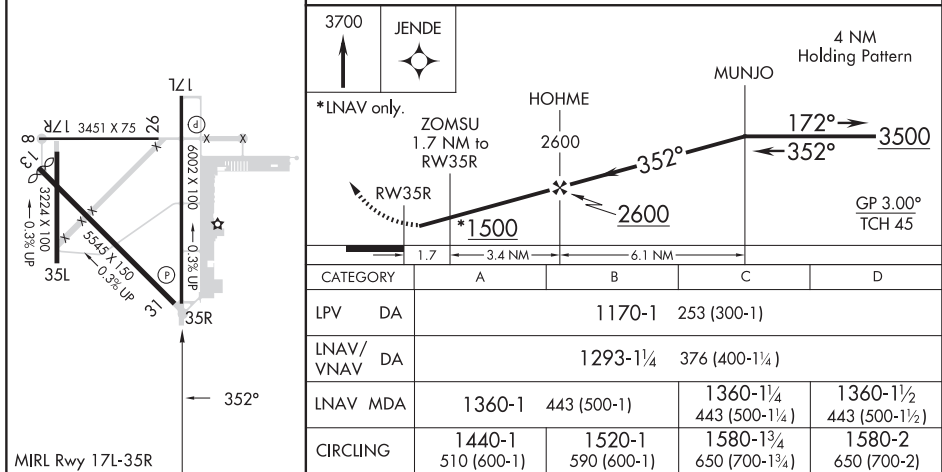
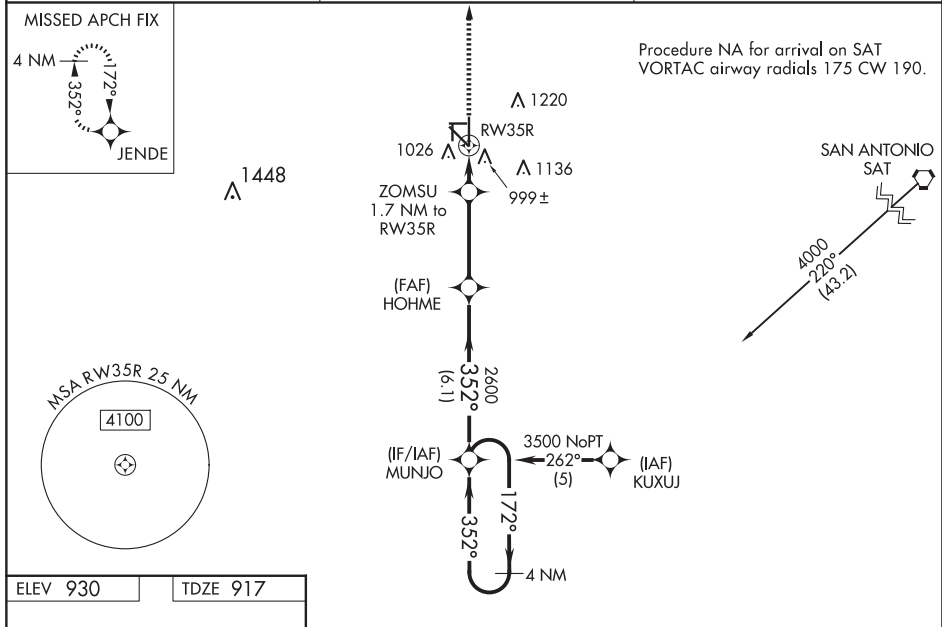
SOUTH TEXAS RGNL AT HONDO (HDO)

RNP APCH.

Baro-VNAV NA when using Castroville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). Visibility reduction by helicopters NA. When local altimeter setting not received, use Castroville altimeter setting and increase all DA 62 feet and all MDA 80 feet, increase LNAV/VNAV all Cats, and LNAV and Circling Cats C and D visibility ¼ mile. Circling Rwy 8, 13, 17R, 26, 31, 35L NA at night.

MISSED APPROACH:
Climb to 3700 direct JENDE and hold.

ASOS 119.675	HOUSTON CENTER 134.95 269.4	UNICOM 122.725 (CTAF)
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WAAS

CH **78301**

W13A

APP CRS

133°

Rwy Ldg

4999

TDZE

18

Apt Elev

18

RNAV (GPS) RWY 13

INGLESIDE RGNL (TFP)

RNP APCH-GPS.

⚠

Baro-VNAV NA when using Mustang Beach altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 49°C. When local altimeter setting not received, use Mustang Beach altimeter setting: increase LPV DA to 292 feet; increase LNAV/VNAV DA to 310 feet; increase all MDAs 40 feet and Circling visibility Cat C ¼ SM. VDP NA when using Mustang Beach altimeter setting.

W

MISSED APPROACH:
Climb to 2000 direct ISICE and hold.

AWOS-3 118.775	CORPUS APP CON 120.9 348.725	UNICOM 122.7 (CTAF) 0
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ELEV 18	TDZE 18
----------------	----------------

4 NM Holding Pattern

OLIRE

ROYOT

PUCIL 2 NM to RWY 13

2000

ISICE

2100

313°

133°

1800

700

0.9 NM to RWY 13

RWY 13

GP 3.00° TCH 40

6.1 NM

3.4 NM

1.1 NM

0.9

CATEGORY	A	B	C	D
LPV DA		268-¾	250 (300-¾)	
LNAV/VNAV DA		286-⅞	268 (300-⅞)	
LNAV MDA		340-1	322 (400-1)	
CIRCLING	520-1	502 (600-1)	860-2½ 842 (900-2½)	980-3 962 (1000-3)

MIRL Rwy 13-31 0
REIL Rwy 13 and 31

INGLESIDE, TEXAS

Amdt 1B 11AUG22

27°55'N-97°13'W

227

INGLESIDE RGNL (TFP)

RNAV (GPS) RWY 13

WAAS CH 82601 W31A	APP CRS 313°	Rwy Ldg 4999 TDZE 18 Apt Elev 18
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RNAV (GPS) RWY 31

INGLESIDE RGNL (TFP)

⚠

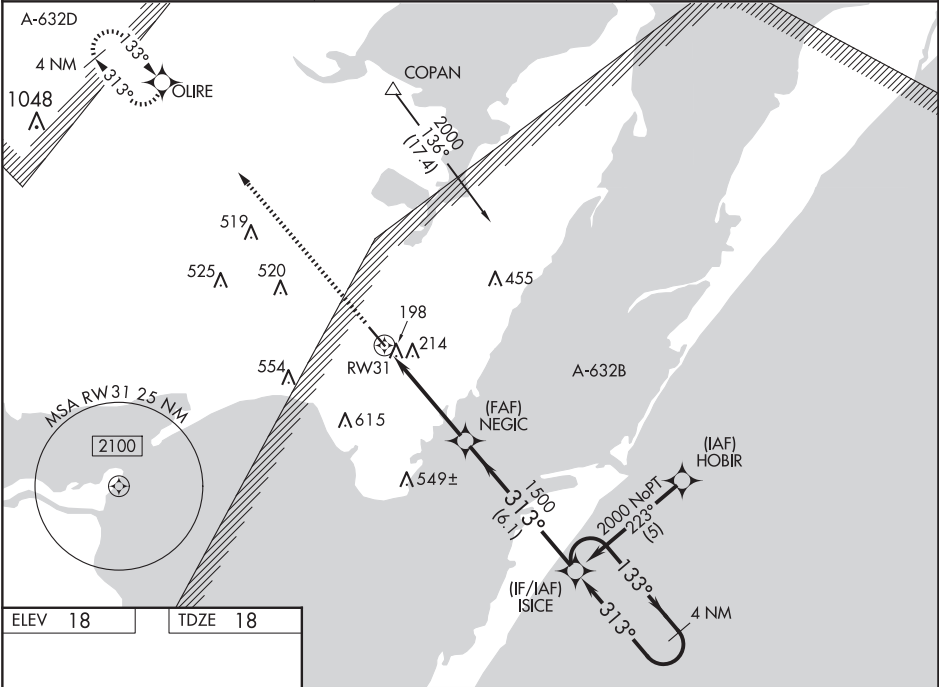
Baro-VNAV NA when using Mustang Beach altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).

W

When local altimeter setting not received, use Mustang Beach altimeter setting: increase LPV DA to 292 feet; increase LNAV/VNAV DA to 534 feet; increase all MDAs 40 feet, LNAV and Circling visibility Cat C ¼ SM. VDP NA when using Mustang Beach altimeter setting. DME/DME RNP-0.3 NA.

MISSED APPROACH:
Climb to 2100 direct
OLIRE and hold.

AWOS-3 118.775	CORPUS APP CON 120.9 348.725	UNICOM 122.7 (CTAF) 0
--------------------------	--	---------------------------------



ELEV 18

TDZE 18

2100

OLIRE

VGSI and descent angles not coincident
(VGSI Angle 3.00/TCH 33).

*LNAV only

*1.3 NM to RW31

RW31

NEGIC

ISICE

4 NM Holding Pattern

133°

2000

GP 3.00°

TCH 40

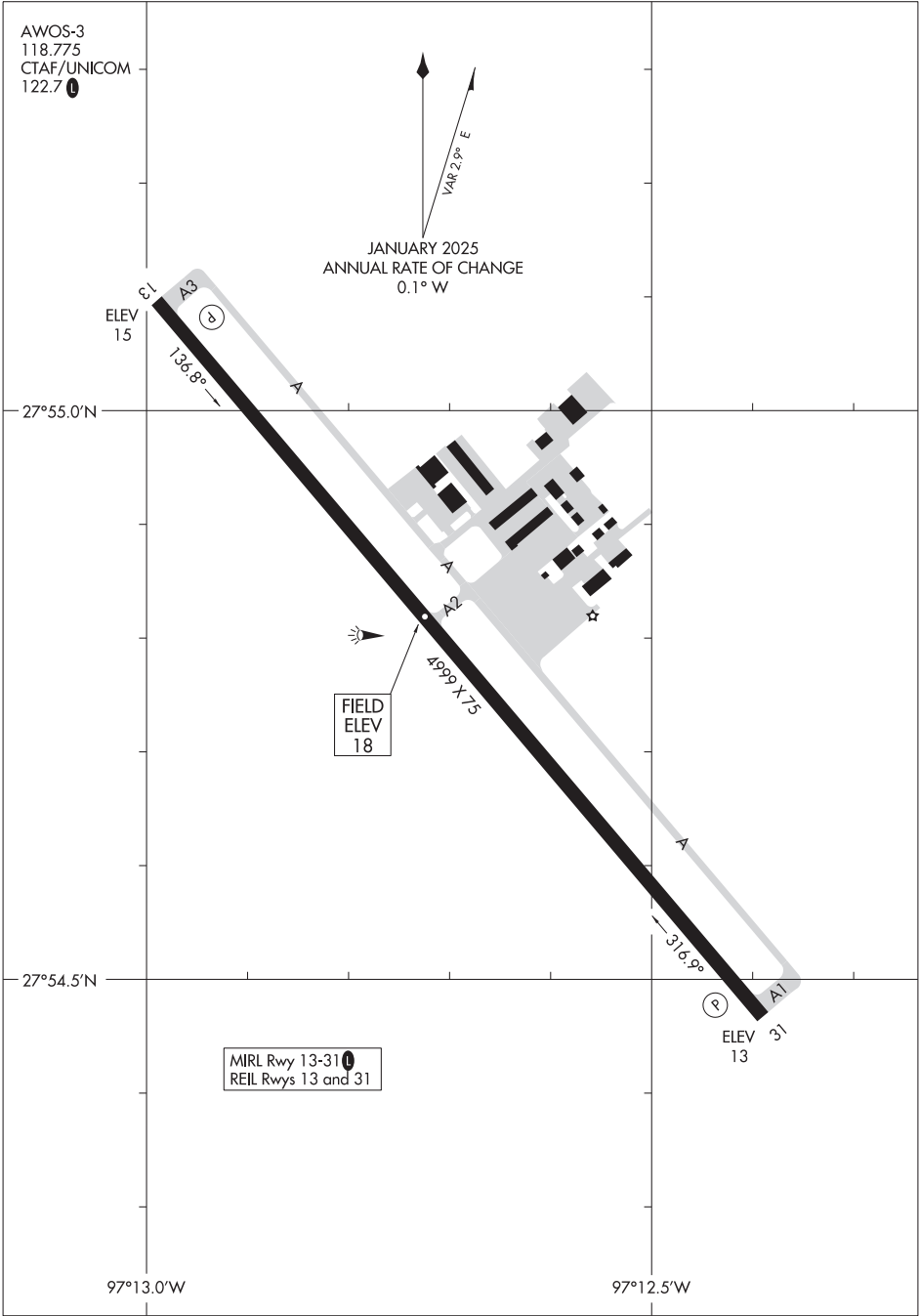
1.3 NM

3.1 NM

6.1 NM

CATEGORY	A	B	C	D
LPV DA	268-1		250 (300-1)	
LNAV/VNAV DA	510-1¾		492 (500-1¾)	
LNAV MDA	480-1	462 (500-1)	480-1¼ 462 (500-1¼)	480-1½ 462 (500-1½)
CIRCLING	520-1	502 (600-1)	860-2½ 842 (900-2½)	980-3 962 (1000-3)

MIRL Rwy 13-31 0
REIL Rwy 13 and 31




SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 17

MISSED APPROACH: Climbing right turn to 4000 direct CRUMP WP and hold.

UNICOM
122.8 (CTAF) **L**

ELEV 1754		TDZE 1751
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TDZE	1751
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172° to
RW17

4 NM Holding Pattern

CRUMP

PUTLE

4000

352°

172°

172°

3300

172°

172°

172°

5 NM

2.3 NM

1.7 NM

TCH 50

RW17

4000	CRUMP
------	-------

CATEGORY	A	B	C	D
LNAV MDA	2420-1	669 (700-1)	2420-1 $\frac{3}{4}$ 669 (700-1 $\frac{3}{4}$)	NA
CIRCLING	2420-1 666 (700-1)	2680-1 $\frac{1}{4}$ 926 (1000-1 $\frac{1}{4}$)	2780-3 1026 (1100-3)	NA

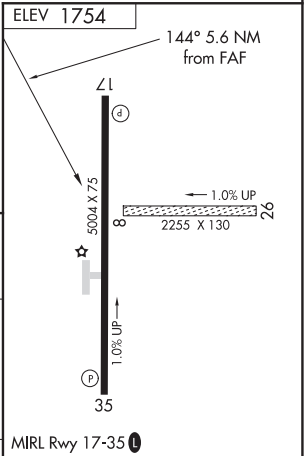
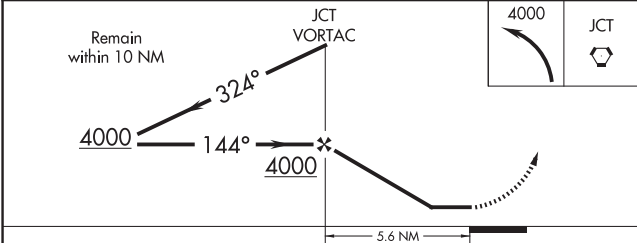
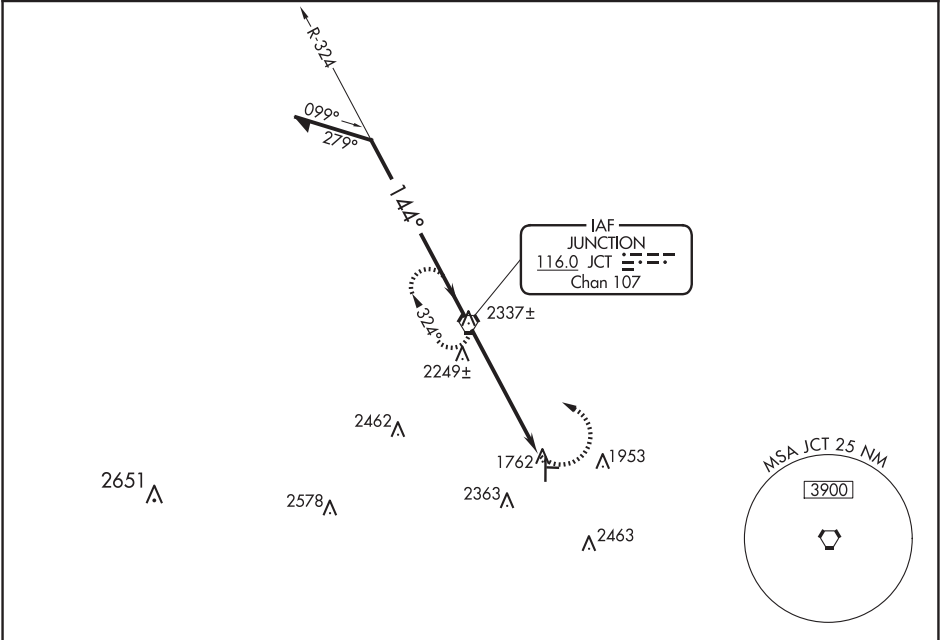
MIRL Rwy 17-35 **L**KIMBLE COUNTY (JCT)
RNAV (GPS) RWY 17

VORTAC JCT	APP CRS	Rwy Idg	N/A
116.0	144°	TDZE	N/A
Chan 107		Apt Elev	1754

VOR-A
KIMBLE COUNTY (JCT)

<div><div>▼</div><div>▲ NA</div></div>	Circling NA to Rwy 8-26.	MISSED APPROACH: Climbing left turn to 4000 direct to JCT VORTAC and hold.
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ASOS 119.275	HOUSTON CENTER 125.75 346.4	UNICOM 122.8 (CTAF) 0
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CATEGORY	A	B	C	D	FAF to MAP 5.6 NM					
CIRCLING	2560-1	2680-1¼	2780-3	NA	Knots	60	90	120	150	180
	806 (900-1)	926 (1000-1¼)	1026 (1100-3)		Min:Sec	5:36	3:44	2:48	2:14	1:52

SAN ANTONIO, TEXAS

LOC I-SKF <u>110.1</u>	APCH CRS 158°	Rwy Idg 11,550 TDZE 690 Arpt Elev 690
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[USAF]

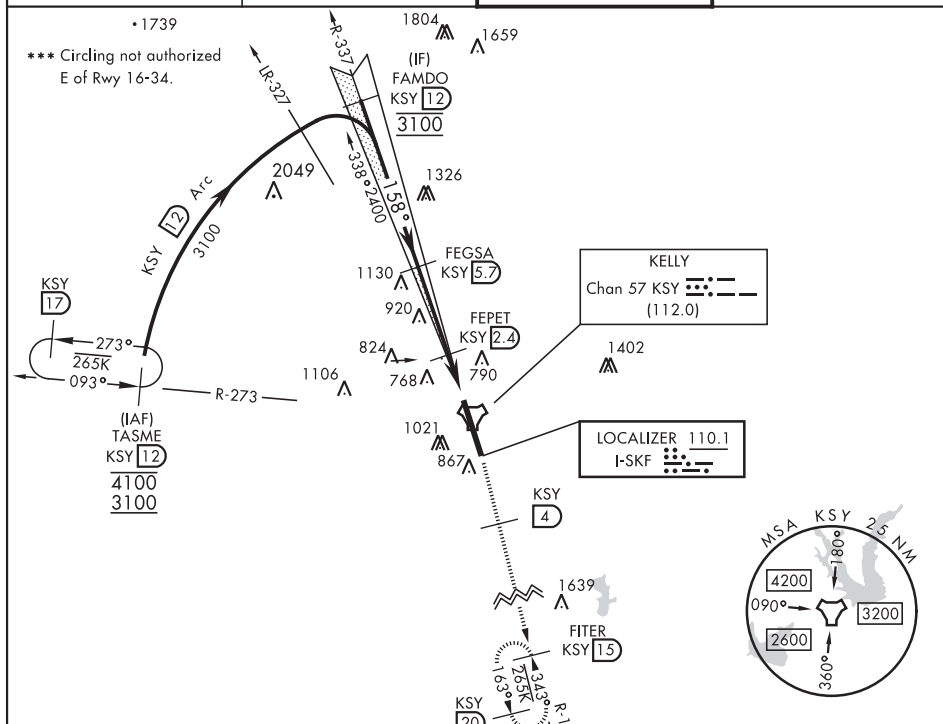
KELLY FLD (KSKF)

T *When ALS inop, increase RVR to 40 and vis to ¾ mile.
 **When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE RVR to 60 and vis to 1 ½ miles.

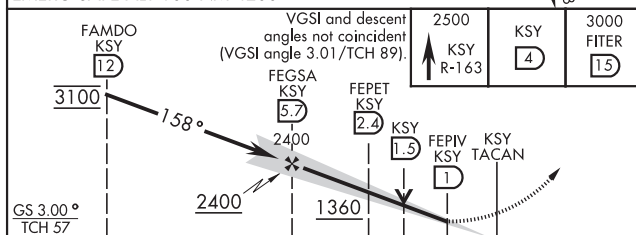
ALSF-1



MISSED APPROACH: Climb to 2500 via KSY R-163 until 4 DME, then continue climb to 3000 to FITER/15 DME and hold. Non-TACAN equipped aircraft expect alternate missed approach instructions.

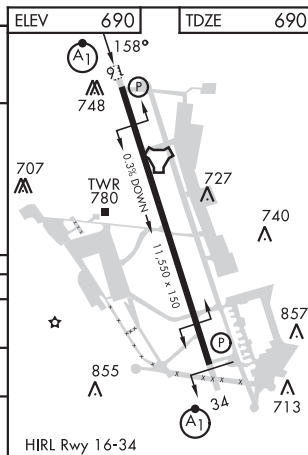
ATIS 120.45 273.5	SAN ANTONIO APP CON 118.05 353.5	TOWER 124.3 322.35	GND CON 121.8 289.4
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EMERG SAFE ALT 100 NM 4200



					
CATEGORY	A	B	C	D	E
S-LS 16 *	890/24		200	(200-½)	
S-LOC/DME 16 **	1080/24 390 (400-½)		1080/35 390 (400-¾)		
 CIRCLING ***	1200-1 510 (600-1)	1280-1 590 (600-1)	1340-1¾ 650 (700-1¾)	1900-3 1210 (1300-3)	



SAN ANTONIO, TEXAS

29° 23' N-98° 35' W

KELLY FLD (KSKF)

Amdt 2 17APR25

ILS or LOC/DME Y RWY 16

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS or LOC/DME Y RWY 34

LOC I-OSQ <u>110.7</u>	APCH CRS 338°	Rwy Idg 11,550 TDZE 660 Arpt Elev 690
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[USAF]

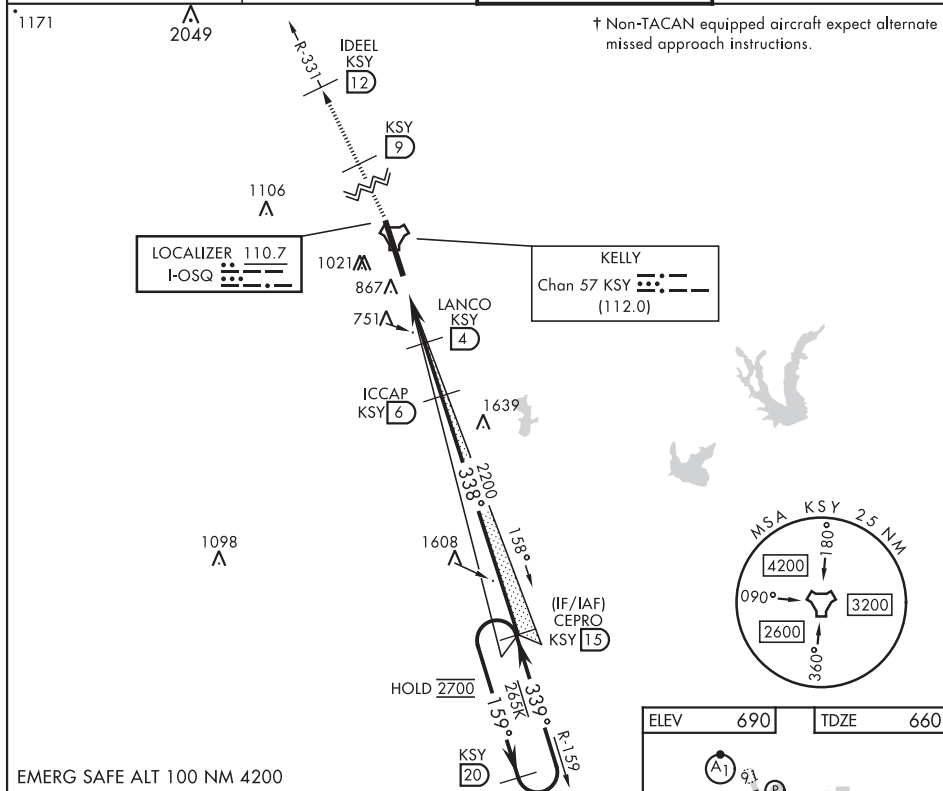
KELLY FLD (KSKF)

T * When ALS inop, increase RVR to 40 and vis to $\frac{3}{4}$ mile.
 ** When ALS inop, increase RVR to 55 and vis to 1 mile.
 *** Circling not authorized E of Rwy 16-34.

ALSF-1

† MISSED APPROACH: Climb to 2500 via KSY
TACAN R-331 until 9 DME, cross 9 DME at 2500,
then continue climb to 3000 to IDEEL/12 DME.
Expect ATC instructions.

ATIS 120.45 273.5	SAN ANTONIO APP CON 118.05 353.5	TOWER 124.3 322.35	GND CON 121.8 289.4
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SC-3, 12 JUN 2025 to 07 AUG 2025

Diagram illustrating a Circling Approach to Runway 34, showing various altitudes, distances, and angles.

Altitudes and Distances:

- 2500 KSY R-331
- 3000 IDEEL KSY
- 2200 KSY (JCCAP)
- 2200 KSY (LANCO)
- 2200 KSY (JETKA)
- 2200 KSY (VGS1)
- 2200 KSY (GS 3.00° TCH 60)

Angles:

- 159°
- 339°
- 338°

Distances:

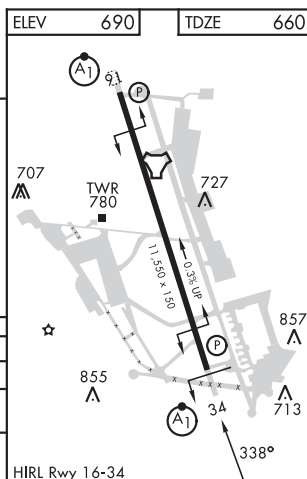
- 0.5 NM
- 2.1 NM
- 2.1 NM

Notes:

- VGS1 and descent angles not coincident. (VGS1 Angle 3.02/TCH 93)

Diagram Labels:

- CIRCLING
- S-LOC 34**



SAN ANTONIO, TEXAS

29°23'N-98°35'W

KELLY FLD (KSKF)

Amdt 2 17APR25

ILS or LOC/DME Y RWY 34

SAN ANTONIO, TEXAS

RNAV (GPS) RWY 16

WAAS CH 52296 W16A	APCH CRS 158°	Rwy ldg TDZE Arpt Elev	11,550 690 690
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AL-371 (USAF)

KELLY FLD (KSKF)

RNP APCH

* When ALS inop, increase RVR to 40, vis to 3/4 miles.
** When ALS inop, increase RVR to 60, vis to 1 1/8 miles.



MISSSED APPROACH: Climb to 1500 then climbing right turn to 3000 direct FITER and hold.

ATIS 120.45 273.5	SAN ANTONIO APP CON 118.05 353.5	KELLY TOWER 124.3 322.35	GND CON 121.8 289.4
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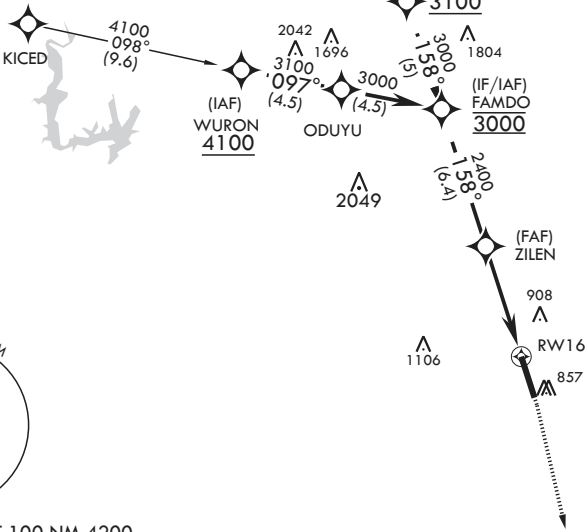
*** When ALS inop, increase CAT AB RVR to 55, and vis to 1 mile; CAT CDE vis to 1 7/8 miles.

**** Circling not authorized E of Rwy 16-34.

1985

REUBE

For uncompensated BARO-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (129°F).



EMERG SAFE ALT 100 NM 4200

FAMDO

VGSI and descent angles not coincident (VGSI Angle 3.01/TCH 89).

3000

158°

ZILEN

2400

GP 3.00° TCH 57

1.8 NM to RW16

RW16

5.1 NM

1500

3000

FITER

ELEV 690

TDZE 690

158°

707

TWR 780

727

BCN

855

HIRL all Rwys

34

CATEGORY	A	B	C	D	E
LPV DA*	890/24	200	(200-½)		
LNAV/VNAV DA**	1080/35	390	(400-¾)		
LNAV MDA***	1360/24 670 (700-½)	1360-1½ 670 (700-1½)			
CIRCLING****	1360-1 670 (700-1)	1360-1½ 670 (700-1½)	1400-2¼ 710 (800-2¼)	1900-3 1210 (1300-3)	

SAN ANTONIO, TEXAS

29°23'N - 98°35'W

KELLY FLD (KSKF)

Amdt 2 23FEB23

RNAV (GPS) RWY 16

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

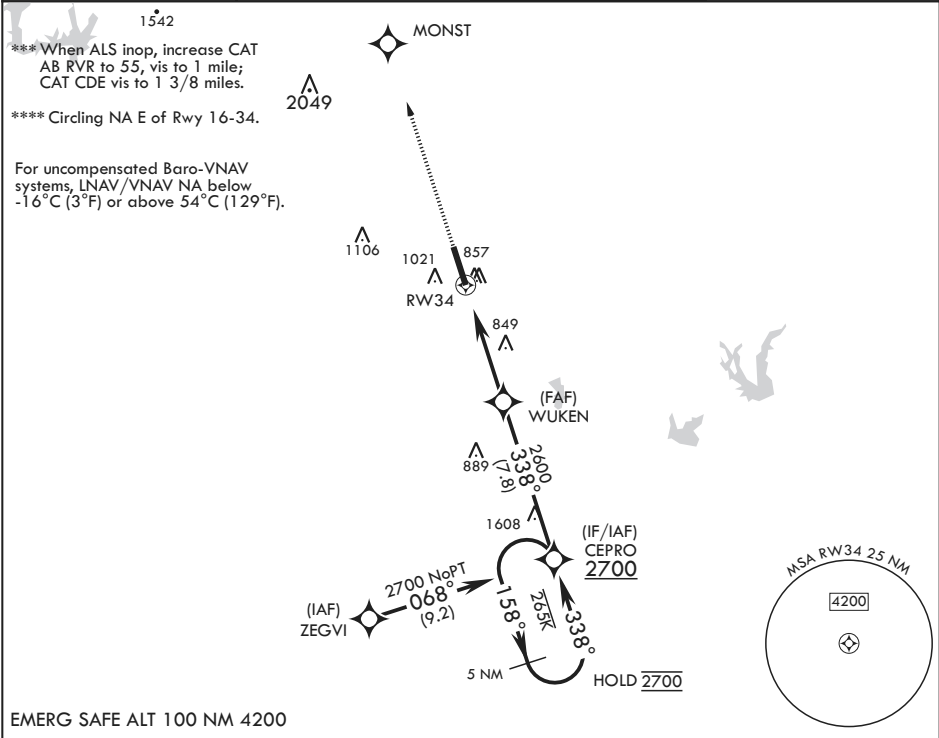
WAAS CH 65364 W34A	APCH CRS 338°	Rwy ldg TDZE Arprt Elev	11,550 660 690
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AL-371 (USAF)

KELLY FLD (KSKF)

RNP APCH * When ALS inop, increase RVR to 40, vis to 3/4 miles. ** When ALS inop, increase vis to 1 3/8 miles.	ALSF-1 A1	MISSED APPROACH: Climb to 3000 direct MONST. Expect ATC instructions.
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ATIS 120.45 273.5	SAN ANTONIO APP CON 118.05 353.5	KELLY TOWER 124.3 322.35	GND CON 121.8 289.4
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3000	MONST	VGSI and descent angles not coincident (VGSI Angle 3.02/TCH 93).	CEPRO 158°	5 NM Holding Pattern	ELEV 690	TDZE 660
CATEGORY	A	B	C	D	E	
LPV DA*	860/24		200	(200-1/2)		
LNAV/VNAV DA**	1120/45		460	(500-3/4)		
LNAV MDA***	1120/24 460 (500-1/2)		1120/45 460	(500-3/4)		
CIRCLING****	1200-1 510 (600-1)	1280-1 590 (600-1)	1340-1 650 (700-1 1/4)	1400-2 710 (800-2 1/4)	1900-3 1210 (1300-3)	

GP 3.00° TCH 60

BCN

TWR 780

707

727

855

HIRL all Rwys

11.500 x 150

0-0.5% UP

34

338°

SAN ANTONIO, TEXAS

TACAN Y RWY 16

TACAN KSY
Chan 57

APCH CRS
151°

Rwy Ldg 11,550
TDZE 690
Arpt Elev 690

AL-371 [USAF]

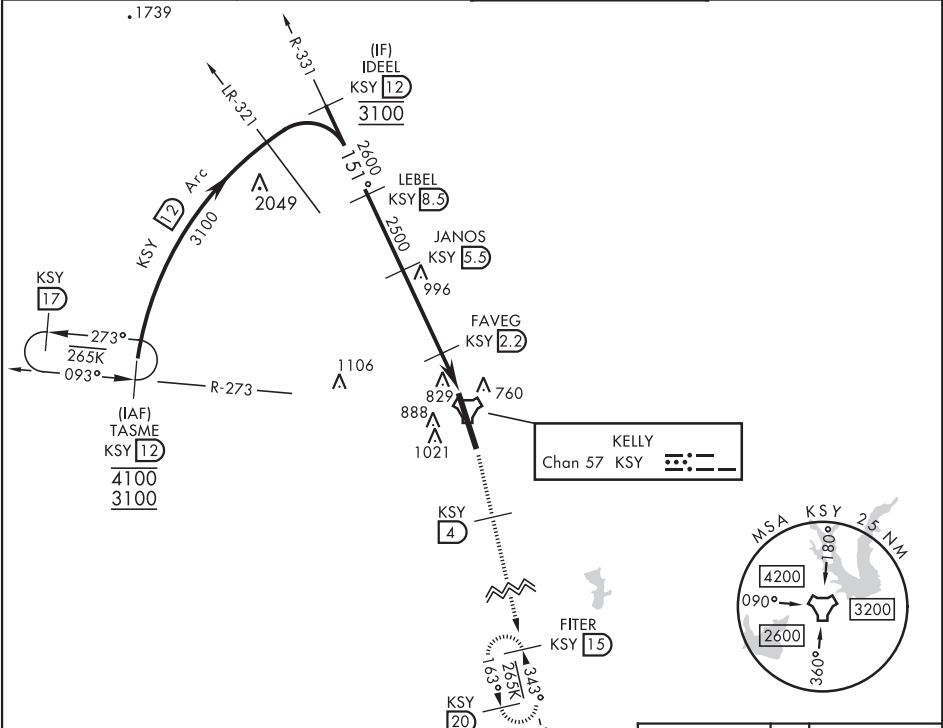
KELLY FLD (KSKF)

▼ * When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE RVR to 60 and vis to 1½ miles.
** Circling not authorized E of Rwy 16-34.

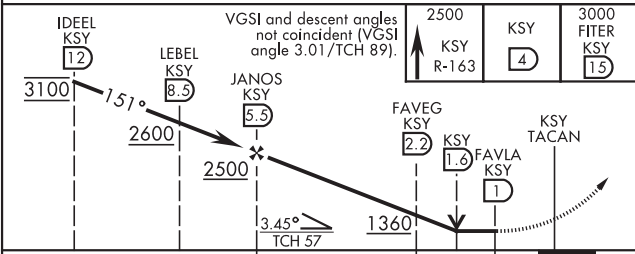
ALSF-1
A1

MISSED APPROACH: Climb on 2500 via KSY R-163 until 4 DME, then climb to 3000 to FITER/ 15 DME and hold.

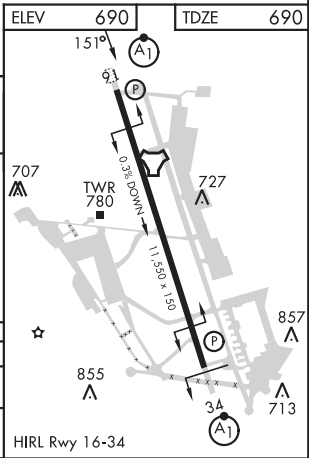
ATIS 120.45 273.5	SAN ANTONIO APP CON 118.05 353.5	TOWER 124.3 322.35	GND CON 121.8 289.4
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EMERG SAFE ALT 100 NM 4200



CATEGORY	A	B	C	D	E
S-16 *	1100/24 410 (500-½)		1100/40 410 (500-¾)		
CIRCLING **	1200-1 510 (600-1)	1280-1 590 (600-1)	1340-1¾ 650 (700-1¾)	1900-3 1210 (1300-3)	



SAN ANTONIO, TEXAS

29° 23' N-98° 35' W

KELLY FLD (KSKF)

Amtd 2 17APR25

TACAN Y RWY 16

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TACAN Y RWY 34

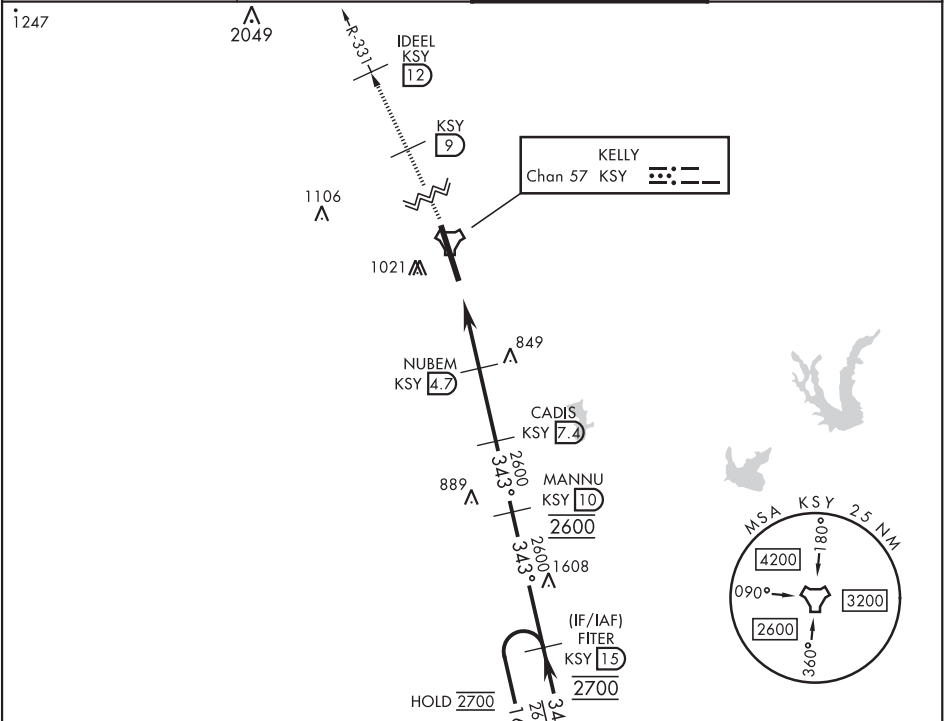
TACAN KSY Chan 57	APCH CRS 343°	Rwy Idg 11,550 TDZE 660 Arpt Elev 690
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[USAF]

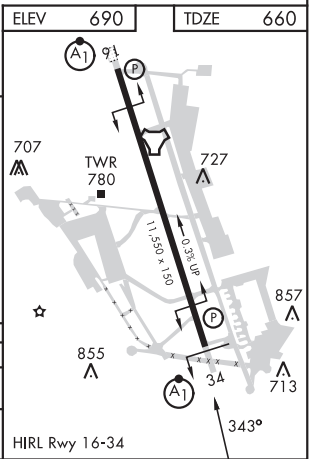
KELLY FLD (KSKF)

<p>▼ * When ALS inop, increase CAT AB RVR to 55 vis to 1 mile, CAT CDE vis to 1¼ miles. ** Circling not authorized E of Rwy 16-34.</p>	<p>ALSF-1 A1</p>	<p>MISSED APPROACH: Climb to 2500 via KSY TACAN R-331 until 9 DME, cross 9 DME at 2500, then continue climb to 3100 to IDEEL/12 DME. Expect ATC instructions.</p>
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ATIS 120.45 273.5	SAN ANTONIO APP CON 118.05 353.5	TOWER 124.3 322.35	GND CON 121.8 289.4
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EMERG SAFE ALT 100 NM 4200		ELEV 690		TDZE 660	
2500 KSY R-331	KSY R-331 9	3100 IDEEL KSY 12	CADIS KSY 7.4	MANNU KSY 10	FITER KSY 15
KSY TACAN	KSY 2.5	NUBEM KSY 4.7	2600	2600	VGSI and descent angles not coincident. (VGSI Angle 3.02/TCH 93)
FRSTY KSY 1.9	1740	2.89°	TCH 60	0.5	2.8 NM
CATEGORY	A	B	C	D	E
S-34 *	1100/24	440 (500-½)	1100/40	440	(500-¾)
CIRCLING **	1200-1 510 (600-1)	1280-1 590 (600-1)	1340-1¼ 650 (700-1¾)	1900-3 1210 (1300-3)	



TACAN Y RWY 34

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

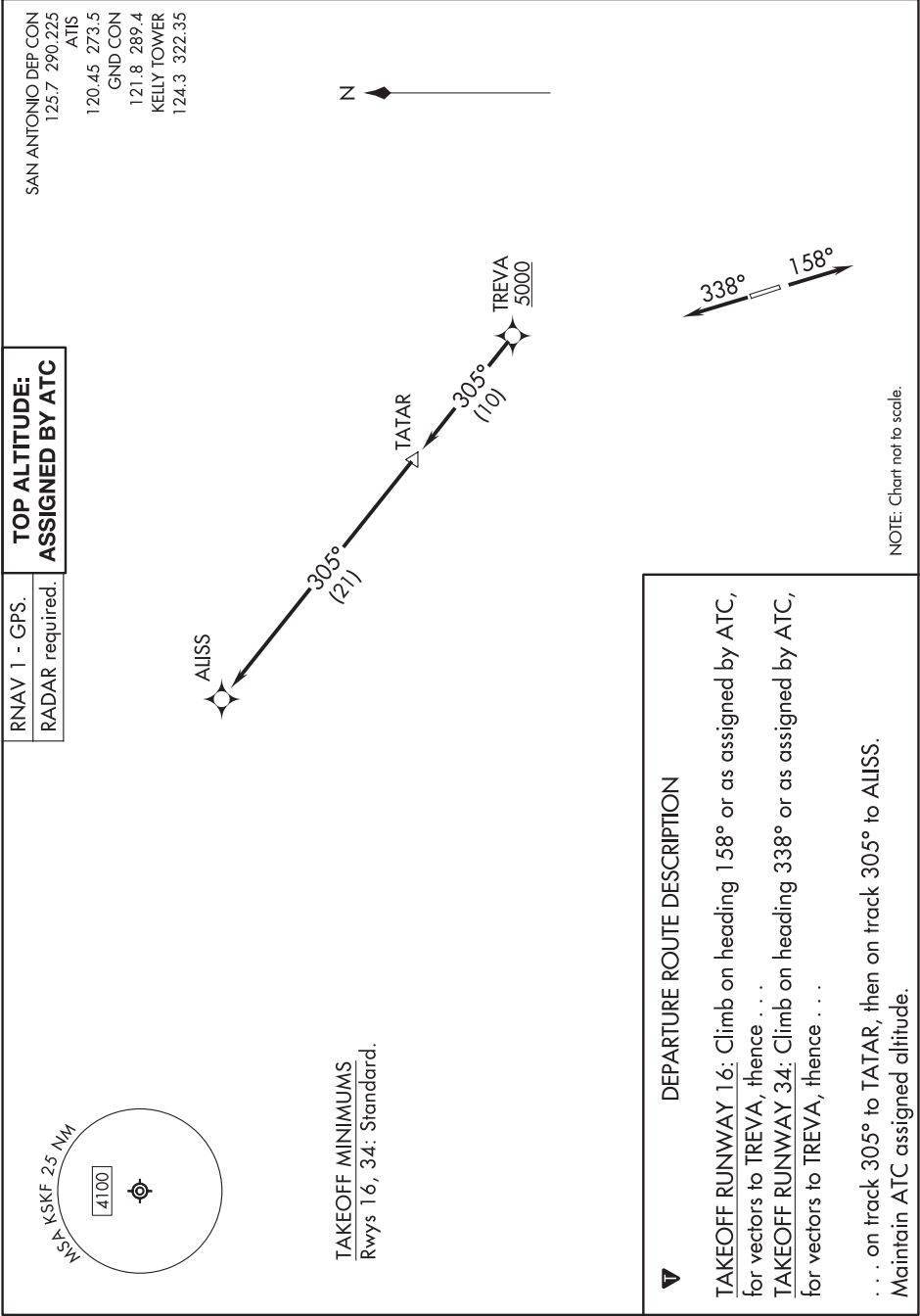
(ALISS6.ALISS) 24025

AL-371 (FAA)

KELLY FLD (SKF)

ALISS SIX DEPARTURE (RNAV)

SAN ANTONIO, TEXAS



ALISS SIX DEPARTURE (RNAV)

(ALISS6.ALISS) 25JAN24

SAN ANTONIO, TEXAS

KELLY FLD (SKF)

(SLENA1.SLENA) 24025

AL-371 (FAA)

KELLY FLD (SKF¹)

SAN ANTONIO, TEXAS

SLENA ONE DEPARTURE (RNAV)

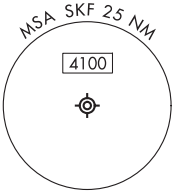
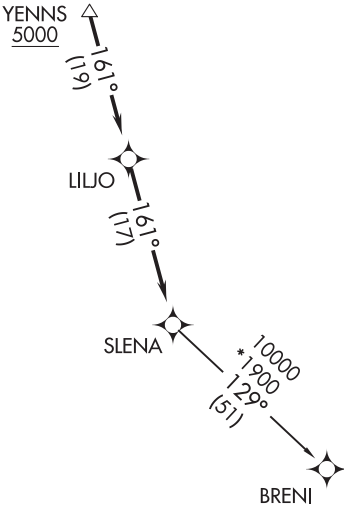
SAN ANTONIO DEP CON
125.7 290.225
ATIS
120.45 273.5
GND CON
121.8 289.4
KELLY TOWER
124.3 322.35

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC



TAKEOFF MINIMUMS
Rwys 16, 34: Standard.



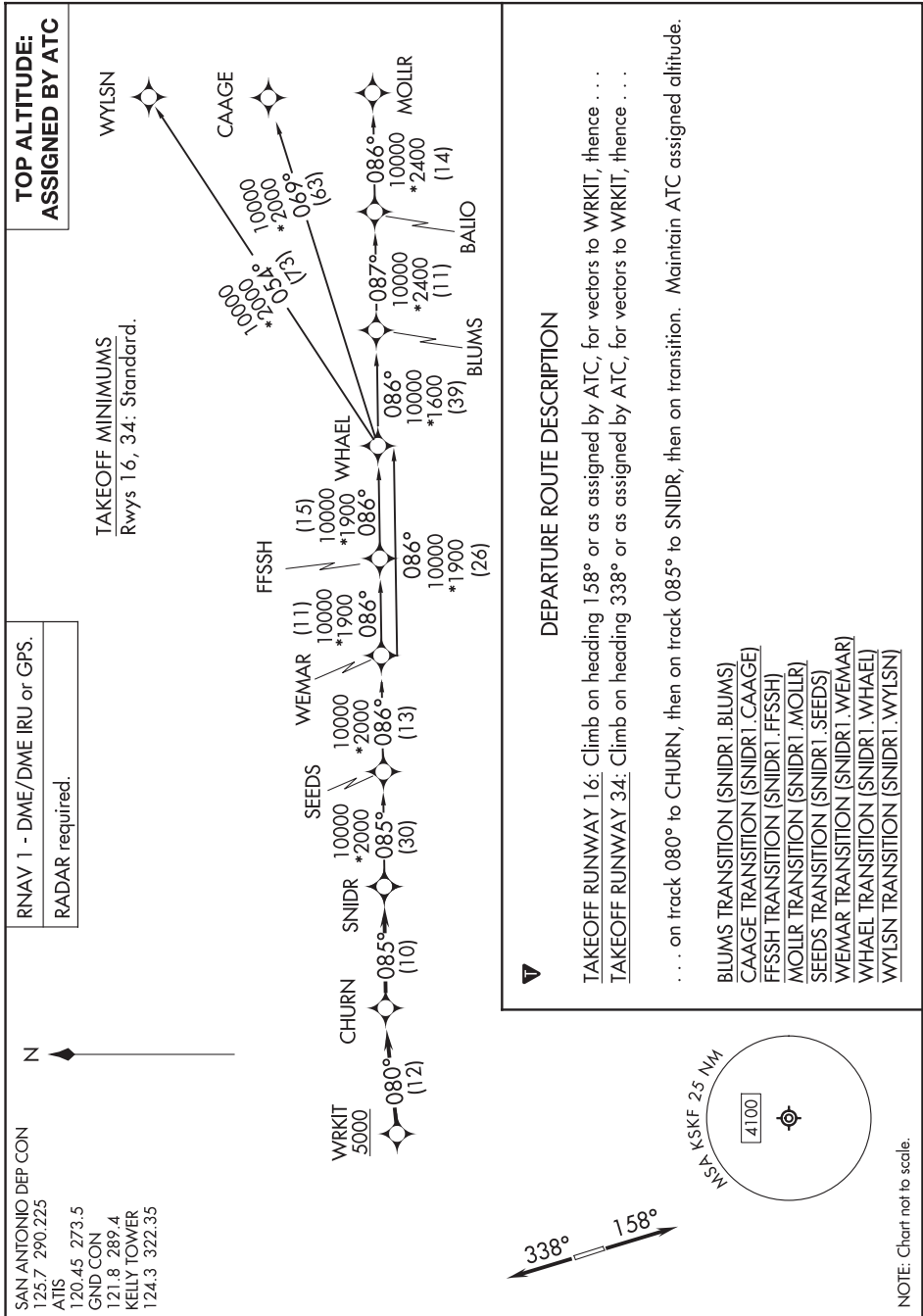
NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 158° or as assigned by ATC, for vectors to YENNS, thence
TAKEOFF RUNWAY 34: Climb on heading 338° or as assigned by ATC, for vectors to YENNS, thence
... on track 161° to LILJO, then on track 161° to SLENA, then on transition.
Maintain ATC assigned altitude.

BRENI TRANSITION (SLENA1.BRENI)



(TJANO1.TJANO) 24025

AL-371 (FAA)

KELLY FLD (SKF^F)

SAN ANTONIO, TEXAS

TJANO ONE DEPARTURE (RNAV)

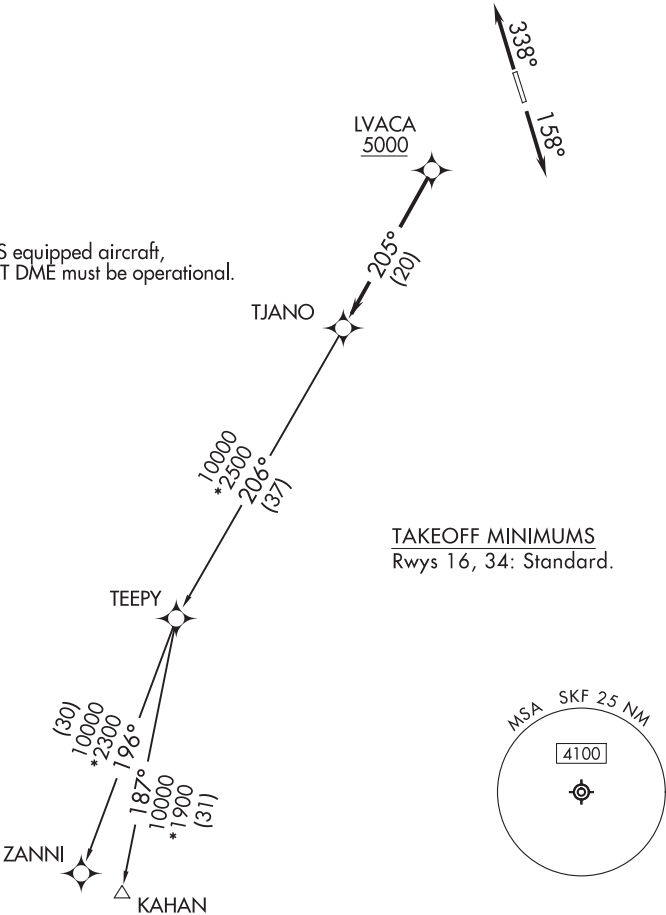
SAN ANTONIO DEP CON
125.7 290.225
ATIS
120.45 273.5
GND CON
121.8 289.4
KELLY TOWER
124.3 322.35

RNAV 1 - DME/DME IRU or GPS.

RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC

NOTE: For non-GPS equipped aircraft,
THX and SAT DME must be operational.



TAKEOFF MINIMUMS
Rwys 16, 34: Standard.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 158° or as assigned by ATC,
for vectors to LVACA, thence . . .

TAKEOFF RUNWAY 34: Climb on heading 338° or as assigned by ATC,
for vectors to LVACA, thence . . .

. . . on track 205° to TJANO, then on Transition. Maintain ATC assigned altitude.

KAHAN TRANSITION (TJANO1.KAHAN)

ZANNI TRANSITION (TJANO1.ZANNI)

TJANO ONE DEPARTURE (RNAV)

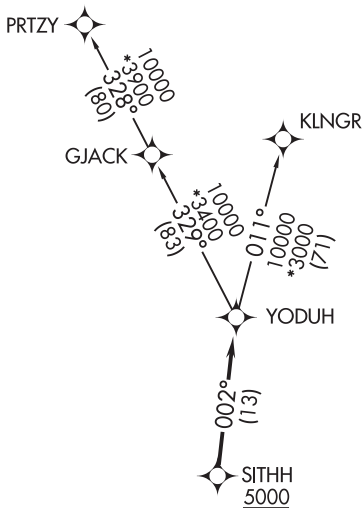
(TJANO1.TJANO) 25JAN24

SAN ANTONIO, TEXAS

KELLY FLD (SKF^F)

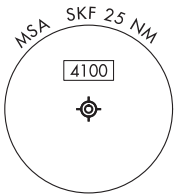
RNAV 1 - DME/DME IRU or GPS.	TOP ALTITUDE: ASSIGNED BY ATC
RADAR required.	

SAN ANTONIO DEP CON
125.7 290.225
ATIS
120.45 273.5
GND CON
121.8 289.4
KELLY TOWER
124.3 322.35



TAKEOFF MINIMUMS
Rwys 16, 34: Standard.

NOTE: Aircraft destined for airports north/northeast of DFW terminal area must file the KLNGR Transition.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 158° or as assigned by ATC, for vectors to SITHH, thence . . .
TAKEOFF RUNWAY 34: Climb on heading 338° or as assigned by ATC, for vectors to SITHH, thence . . .
. . . on track 002° to YODUH, then on Transition. Maintain ATC assigned altitude.

KLNGR TRANSITION (YODUH1.KLNGR)
PRTZY TRANSITION (YODUH1.PRTZY)

KENEDY, TEXAS

AL-5975 (FAA)

23222

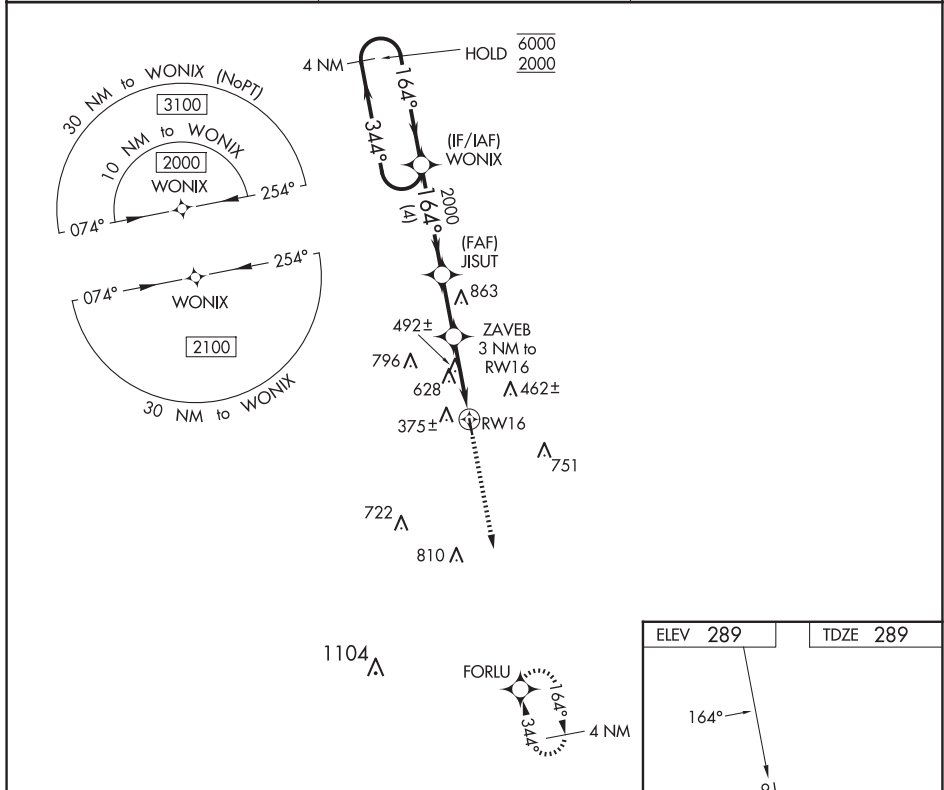
WAAS CH 87125 W16A	APP CRS 164°	Rwy Idg TDZE 289 Apt Elev 289	3218
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RNAV (GPS) RWY 16

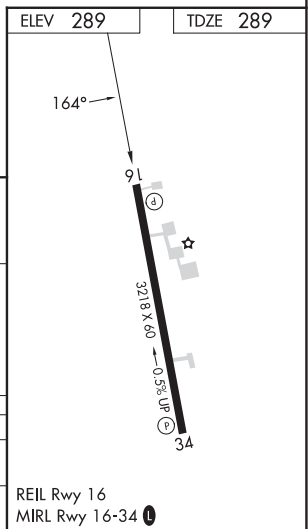
KENEDY RGNL (2R.9)

RNP APCH.	MISSED APPROACH: Climb to 2000 direct FORLU and hold.
▼ Procedure NA at night. When local alimeter setting not received, use Pleasanton alimeter setting. Rwy 16 helicopter visibility reduction below 1 SM NA.	

AWOS 3-PT 118.45	HOUSTON CENTER 134.6 322.5	UNICOM 123.0 (CTAF) 0
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4 NM Holding Pattern		Visual Segment - Obstacles.		2000	FORLU
6000 ← 344°		164° →		2000	
2000		164°		2000	
4 NM		2.3 NM		3 NM	
CATEGORY	A	B	C	D	
LP MDA	860-1	571 (600-1)	NA		
LNAV MDA	1040-1	1040-1¼	NA		
	751 (800-1)	751 (800-1¼)			



KENEDY, TEXAS
Orig-D 07NOV19

28°49'N-97°52'W

RNAV (GPS) RWY 16

KENEDY RGNL (2R.9)

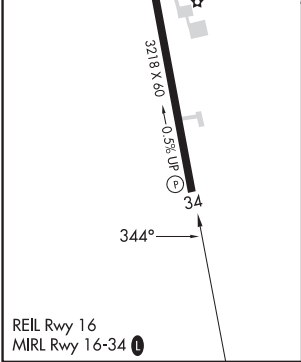
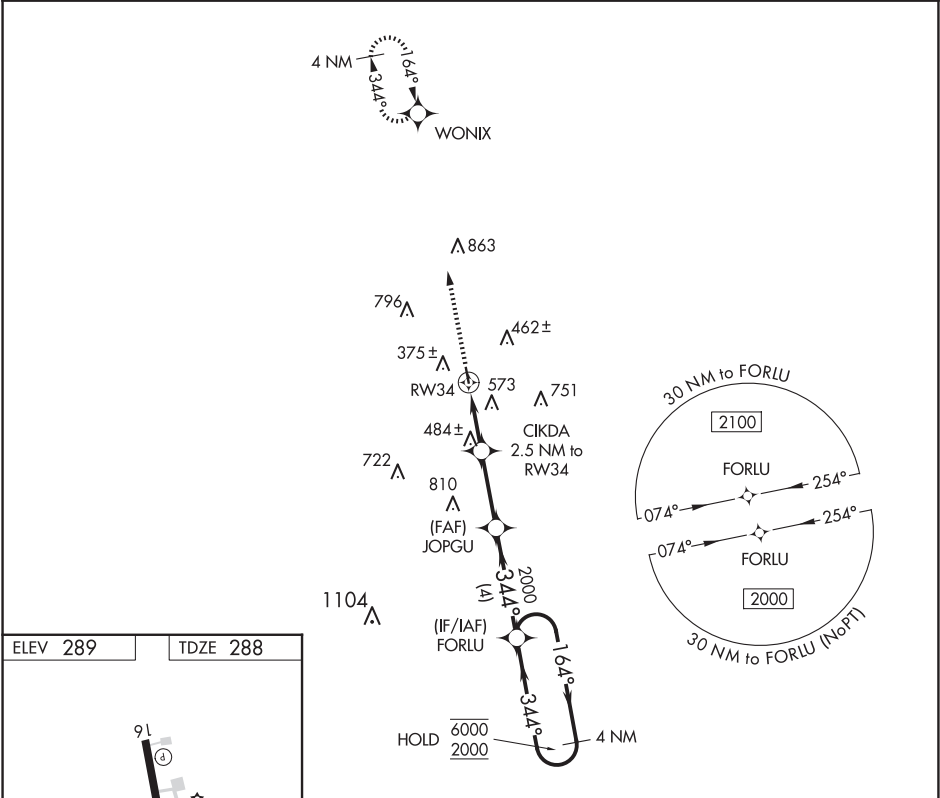
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 93925 W34A	APP CRS 344°	Rwy Idg 3218 TDZE 288 Apt Elev 289
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RNAV (GPS) RWY 34

KENEDY RGNL (2R.9)

RNP APCH. <div><div>Procedure NA at night. Rwy 34 helicopter visibility reduction below 1 SM NA.</div><div>When local altimeter setting not received, use Pleasanton altimeter setting.</div></div>		MISSED APPROACH: Climb to 2000 direct WONIX and hold.
AWOS 3-PT 118.45	HOUSTON CENTER 134.6 322.5	UNICOM 123.0 (CTAF) 0



2000 WONIX		Visual Segment - Obstacles.		4 NM Holding Pattern	
↑		WONIX		JOPGU	
RW34		CIKDA 2.5 NM to RW34		FORLU	
2.5 NM		2.8 NM		4 NM	
1100		2000		6000	
344°		344°		164°	
2000		2000		2000	
CATEGORY	A	B	C	D	
LP MDA	840-1	552 (600-1)	NA		
LNNAV MDA	900-1	612 (700-1)	NA		

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

KERRVILLE, TEXAS

AL-5690 (FAA)

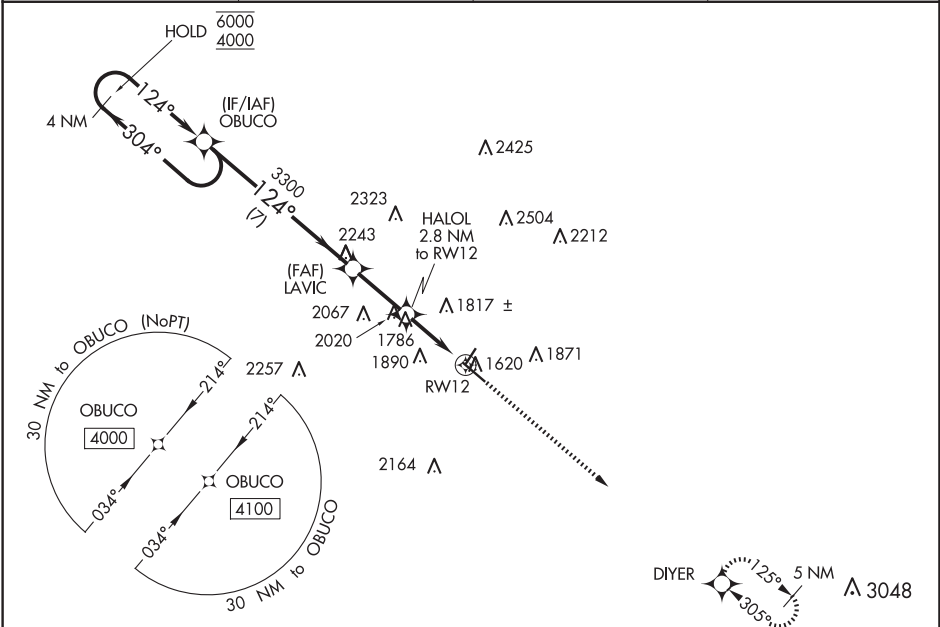
23054

WAAS CH 45628 W12A	APP CRS 124°	Rwy Idg TDZE Apt Elev	5313 1586 1617
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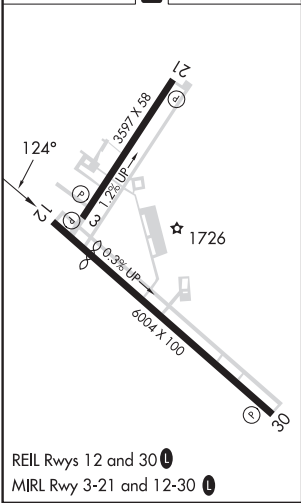
RNAV (GPS) RWY 12

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

RNP APCH.			MISSED APPROACH: Climb to 4100 direct DIYER and hold.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.			
AWOS-3 118.125	HOUSTON CENTER 134.95 269.4	CLNC DEL 134.95	UNICOM 122.7 (CTAF) 0



ELEV 1617	D	TDZE 1586
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4 NM Holding Pattern		OBUCO	LAVIC	HALOL 2.8 NM to RW12	DIYER
6000 ← 304°		124° →	124°	3300	4100
GP 3.00° TCH 40		3300	*2500	*1.3 NM to RW12	* LNAV only.
		7 NM	2.5 NM	1.5 NM	1.3 NM
CATEGORY	A	B	C	D	
LPV DA	1836-1		250 (300-1)		
LNAV/VNAV DA	1936-1½		350 (400-1½)		
LNAV MDA	2040-1	454 (500-1)	2040-1½	454 (500-1½)	
CIRCLING	2320-1 703 (800-1)	2340-1 723 (800-1)	2380-2¼ 763 (800-2¼)	2540-3 923 (1000-3)	

KERRVILLE, TEXAS
Amdt 1B 30JAN20

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)
29°59' N-99°05' W
RNAV (GPS) RWY 12

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS
CH **77527**
W30A

APP CRS
305°

Rwy Idg
TDZE **1589**
Apt Elev **1617**

RNAV (GPS) RWY 30

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

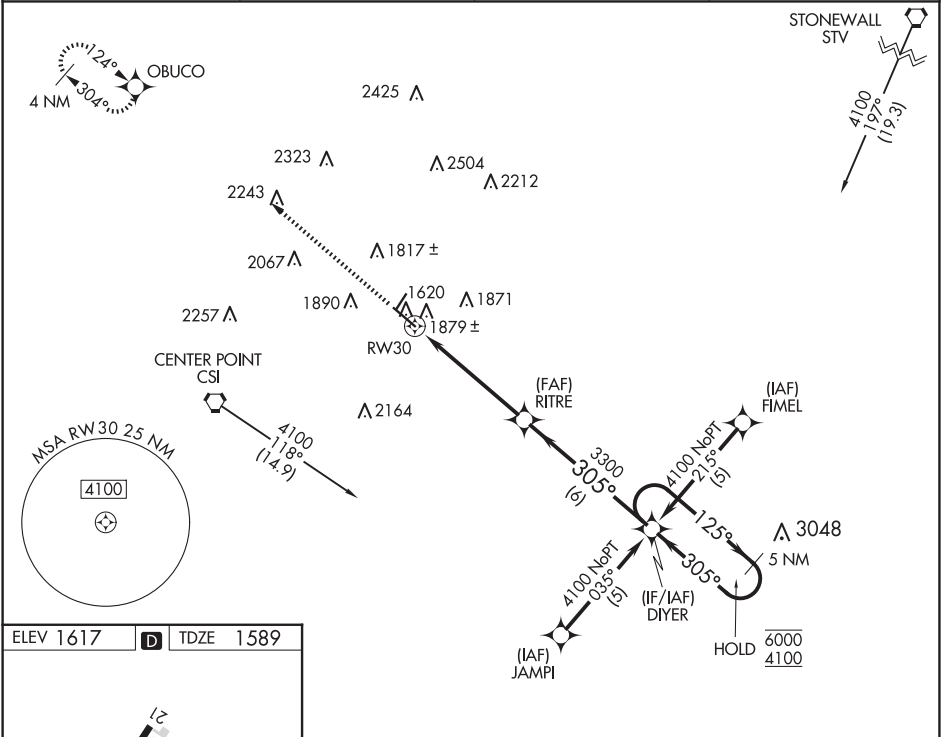
RNP APCH.

T

A





MISSED APPROACH: Climb to 4000
direct OBUCO and hold.

AWOS-3 118.125	HOUSTON CENTER 134.95 269.4	CLNC DEL 134.95	UNICOM 122.7 (CTAF)
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ELEV 1617 TDZE 1589

REIL Rwy 12 and 30
MIRL Rwy 3-21 and 12-30

4000	OBUCO	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 40).				5 NM Holding Pattern
			RITRE 3300	305°	DIYER	125° → 6000 ← 305° 4100
*RNAV only.		*1.7 NM to RW30		GP 3.00° TCH 45		
		1.7 NM	3.5 NM	6 NM		
CATEGORY		A	B	C	D	
LPV DA	1860-1		271 (300-1)		NA	
RNAV MDA	2140-1		551 (600-1)		2140-1 5/8 551 (600-1 5/8)	
 CIRCLING	2320-1 703 (800-1)		2340-1 723 (800-1)		2380-2 1/4 763 (800-2 1/4)	

KERRVILLE, TEXAS

AL-5690 (FAA)

25023

LOC I-ERV 109.1	APP CRS 305°	Rwy Idg TDZE Apt Elev	5300 1589 1617
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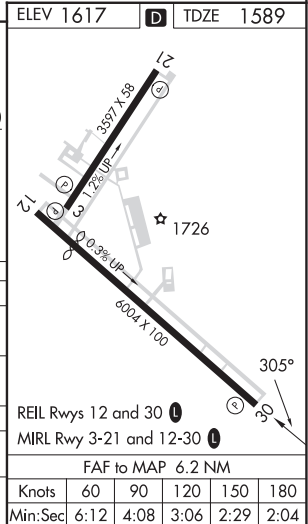
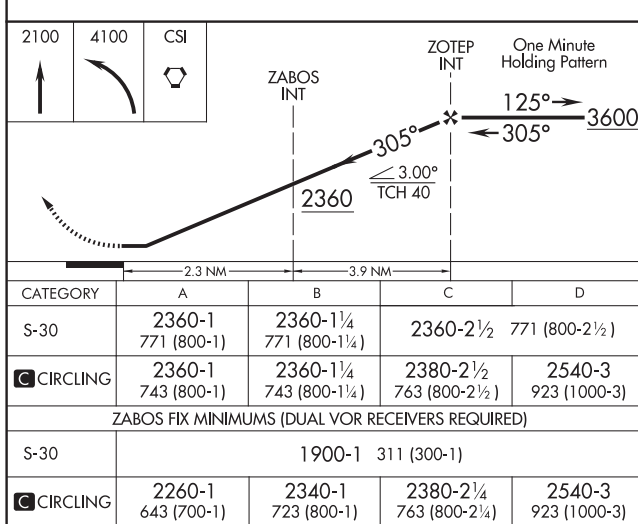
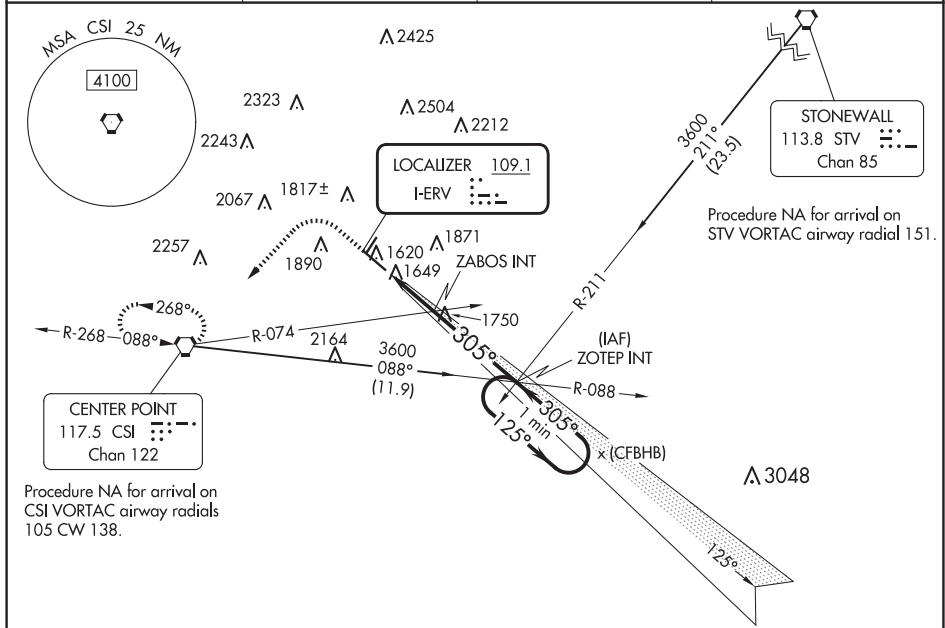
LOC RWY 30

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

▼
▲ NA

MISSED APPROACH: Climb to 2100 then climbing left turn to 4100 direct CSI VORTAC and hold, continue climb-in-hold to 4100.

AWOS-3 118.125	HOUSTON CENTER 134.95 269.4	CLNC DEL 134.95	UNICOM 122.7 (CTAF) 0
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KERRVILLE, TEXAS

Amdt 5 27APR17

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

29°59'N-99°05'W

LOC RWY 30

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

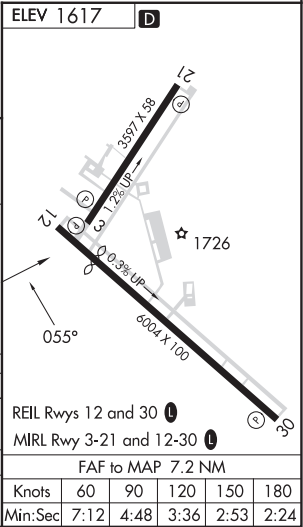
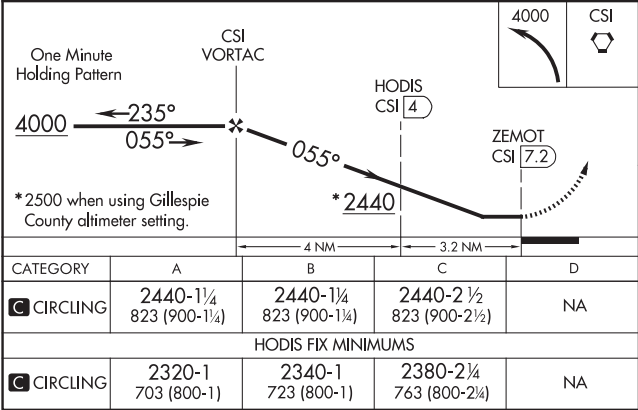
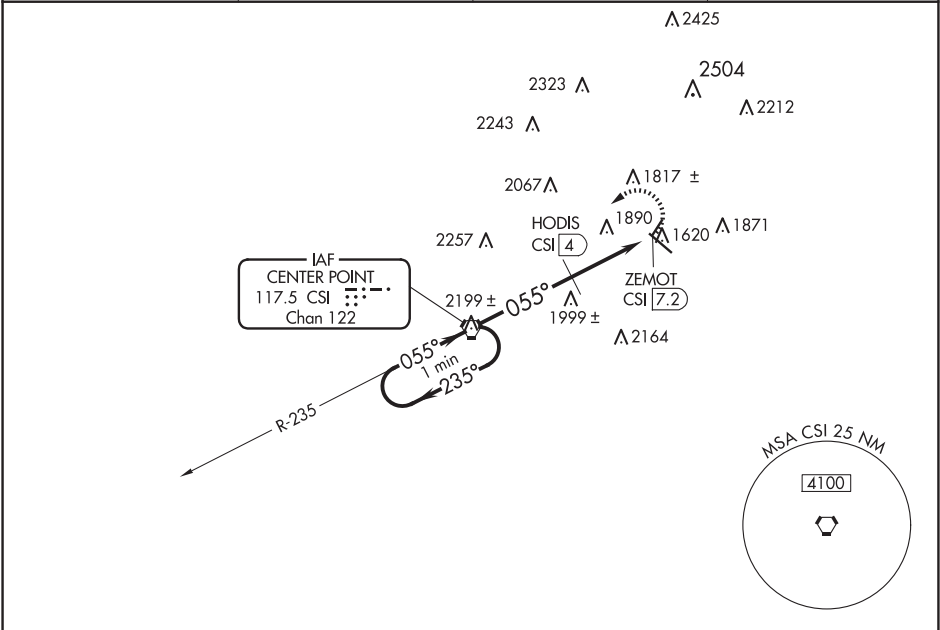
VORTAC CSI	APP CRS	Rwy Idg	N/A
117.5	055°	TDZE	N/A
Chan 122		Apt Elev	1617

VOR-A

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

- When local altimeter setting not received, use Fredericksburg altimeter setting and increase all MDAs 60 feet, increase Cat C visibility ¼ SM and HODIS fix minimums Cat C visibility ¼ SM.
- MISSED APPROACH: Climbing left turn to 4000 direct CSI VORTAC.

AWOS-3 118.125	HOUSTON CENTER 134.95 269.4	CLNC DEL 134.95	UNICOM 122.7 (CTAF) 0
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KILLEEN, TEXAS

AL-5344 (FAA)

22363

WAAS CH 50239 W01A	APP CRS 012°	Rwy Idg TDZE 844 Apt Elev 848
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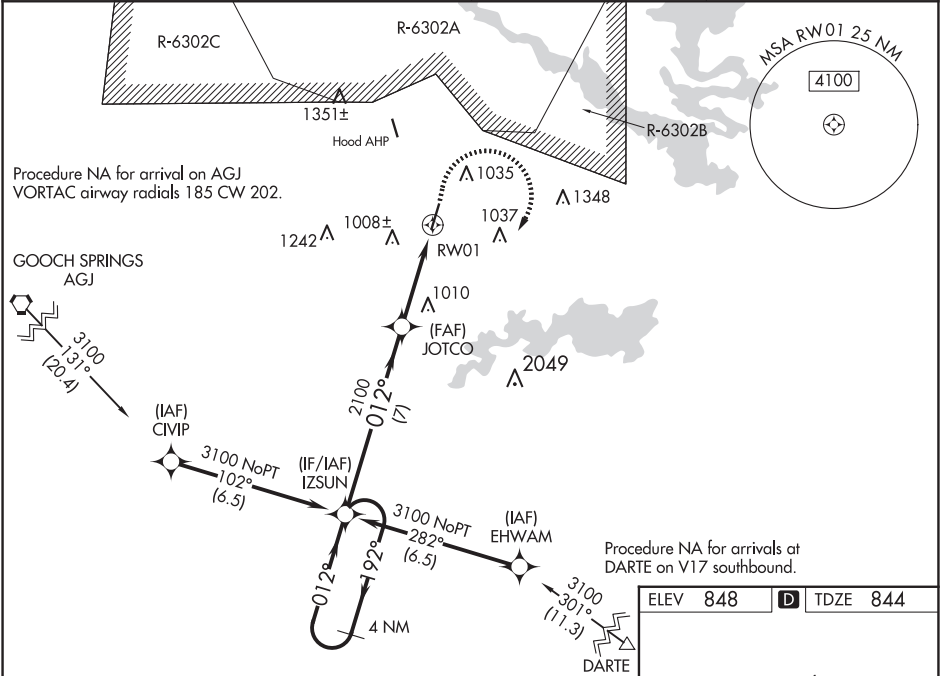
RNAV (GPS) RWY 1
SKYLARK FLD (IL E)

▼

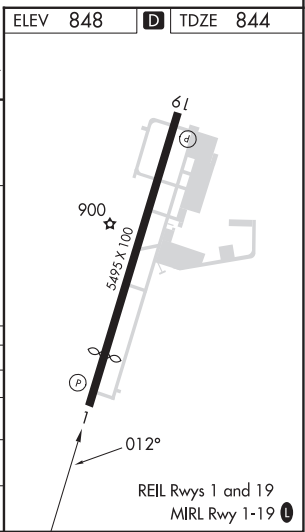
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Circling Rwy 19 NA at night.

MISSED APPROACH: Climb to 1300 then Climbing right turn to 3100 direct IZSUN and hold.

AWOS-3PT 128.575	GRAY APP CON 120.075 323.15	CLNC DEL 121.7	UNICOM 122.7 (CTAF)
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VGSI and RNAV Glidepath not coincident (VGSI Angle 3.00/TCH 72).				
4 NM Holding Pattern				
GP 3.00° TCH 45				
3100 ← 192° 012° → 2100				
7 NM 2.4 NM 1.4 NM				
CATEGORY	A	B	C	D
LPV DA	1044-3/4	200 (200-3/4)		NA
LNAV/VNAV DA	1608-3	764 (800-3)		NA
LNAV MDA	1360-1	516 (600-1)	1360-1 3/8 516 (600-1 3/8)	NA
CIRCLING	1360-1	512 (500-1)	1440-1 1/2 592 (600-1 1/2)	NA



KILLEEN, TEXAS

Amdt 1 15SEP16

31°05'N-97°41'W

SKYLARK FLD (IL E)
RNAV (GPS) RWY 1

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

LOC HLE

108.3

APP CRS

012°

Rwy Idg

4641

TDZE

843

Apt Elev

848

LOC RWY 1

SKYLARK FLD (ILE)

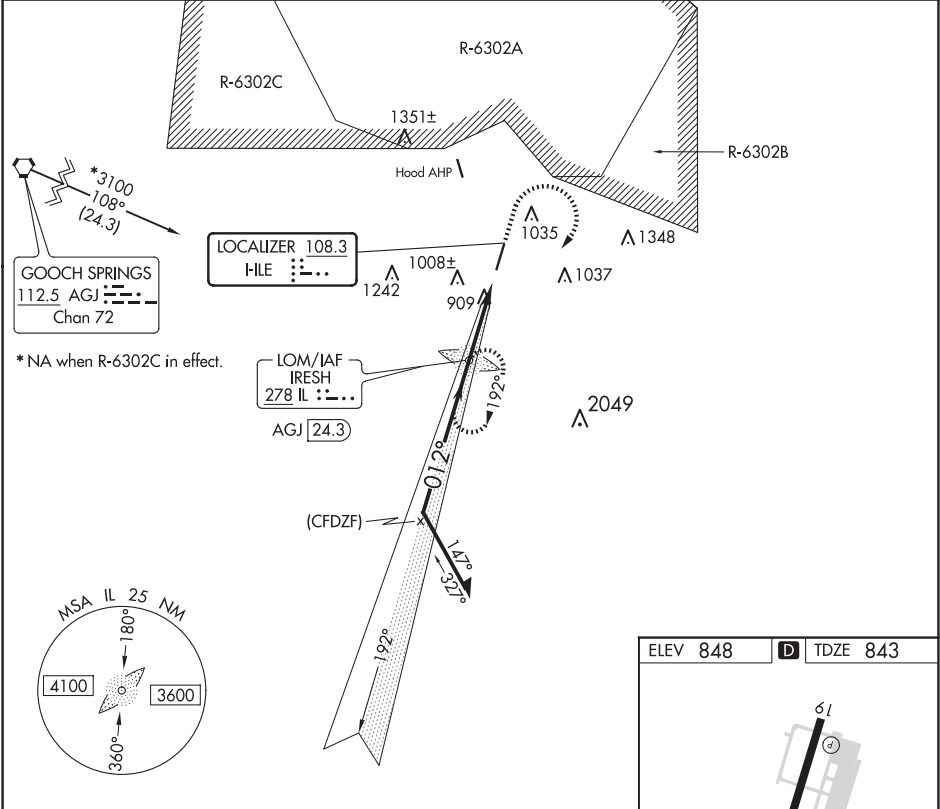
ADF required.

NA

Circling Rwy 19 NA at night.

MISSED APPROACH: Climb to 500 then climbing right turn to 3100 direct IRESH LOM and hold, continue climb-in-hold to 3100.

AWOS-3PT 128.575	GRAY APP CON 120,075 323.15	CLNC DEL 121.7	UNICOM 122.7 (CTAF) 0
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Remain within 10 NM

IL LOM

1500

3100

IL

3100

192°

012°

2100

012°

3.21°

TCH 45

3.6 NM

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 72).

CATEGORY	A	B	C	D
S-1	1160-1	317 (400-1)		NA
CIRCLING	1300-1 452 (500-1)	1340-1 492 (500-1)	1440-1½ 592 (600-1½)	NA

ELEV 848

TDZE 843

900

5495 X 100

012°

REIL Rwys 1 and 19

MIRL Rwy 1-19 0

Knots

60

90

120

150

180

Min:Sec

3:36

2:24

1:48

1:26

1:12

VOR/DME GRK 111.8 Chan 55	APP CRS 057°	Rwy Idg TDZE Apt Elev	N/A N/A 848
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VOR-A
SKYLARK FLD (ILE)

TANA

Circling Rwy 19 NA at night.
When local altimeter setting not received, use Robert Gray
AAF altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climbing right turn to 3000 direct GRK VOR/DME and hold.

AWOS-3PT
128.575

GRAY APP CON
120.075 323.15

CLNC DEL
121.7UNICOM
122.7 (CTAF) **L**

*NA when R-6302C in affect.

GOOCH SPRINGS
112.5 AGJ
Chan 72

IAF
GRAY
111.8 GRK 
Chan 55




Figure 1 is a map of the study area, showing the location of the IAF, GRAY, and Chan 55. The map includes the IAF, GRAY, and Chan 55, and shows the location of the IAF, GRAY, and Chan 55. The map includes the IAF, GRAY, and Chan 55, and shows the location of the IAF, GRAY, and Chan 55.

ELEV 848

□

Remain within 10 NM

GRK VOR/DME

3000

237°

057°


2000

HEKIP GRK (5)

ZEKID GRK (7)

#1680 when using Robert Gray AAF altimeter setting.

#1620

CATEGORY	A	B	C	D
 CIRCLING	1620-1 772 (800-1)	1620-1¼ 772 (800-1¼)	1620-2¼ 772 (800-2¼)	NA

HEKIP FIX MINIMUMS (DME REQUIRED)

C CIRCLING	1320-1 472 (500-1)	1360-1 512 (600-1)	1440-1½ 592 (600-1½)	NA
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FAF to MAP 7 NM					
Knots	60	90	120	150	180
Min:Sec	7:00	4:40	3:30	2:48	2:20

Amdt 4A 08NOV18

SKYLARK FLD (ILE)
VOR-A

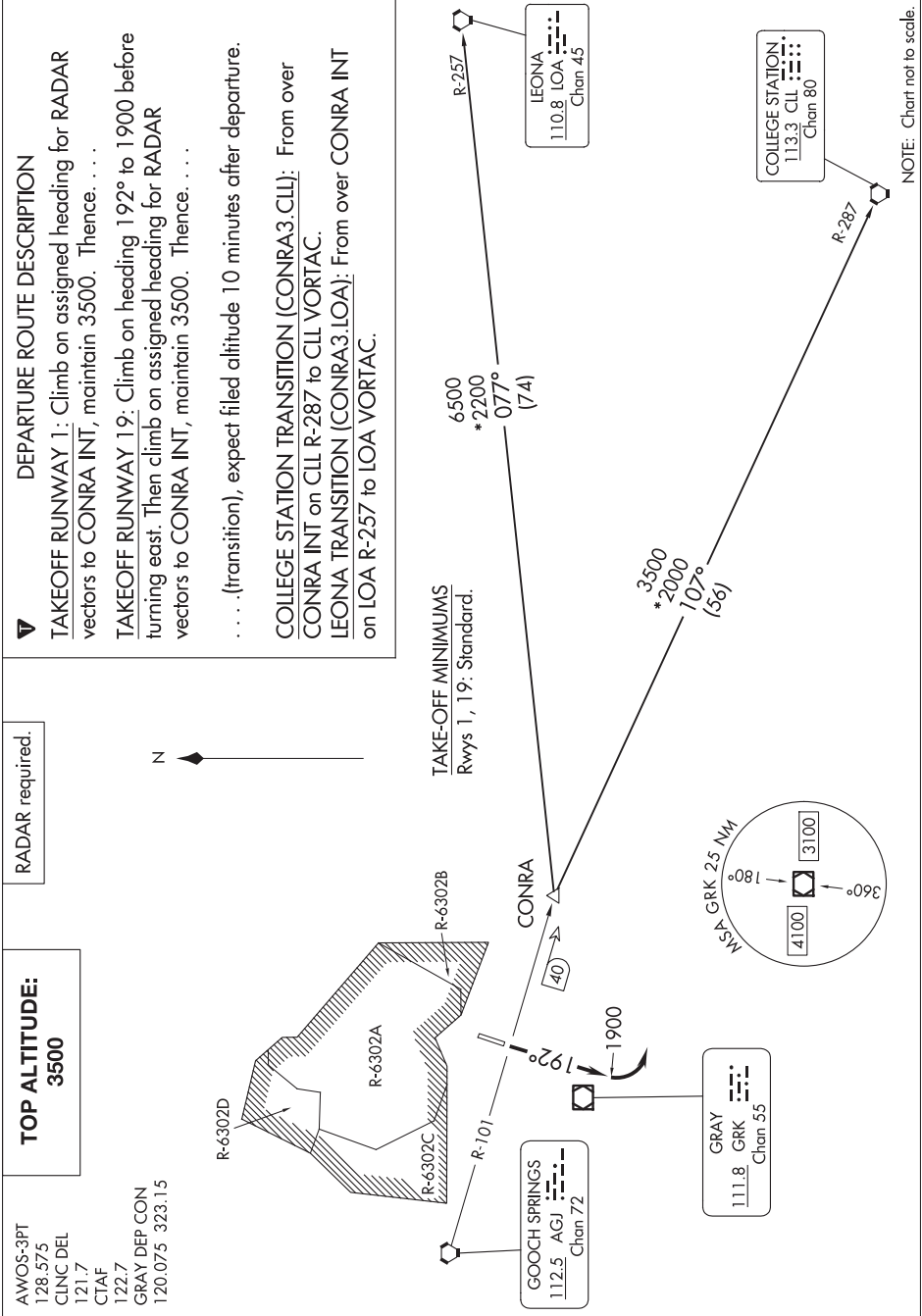
31°05'N-97°41'W

SC-3, 12 JUN 2025 to 07 AUG 2025

(CONRA3.CONRA) 23334
CONRA THREE DEPARTURE

AL-5344 (FAA)

SKYLARK FLD (IL'E)
KILLEEN, TEXAS



CONRA THREE DEPARTURE
(CONRA3.CONRA) 30NOV23

KILLEEN, TEXAS
SKYLARK FLD (IL'E)

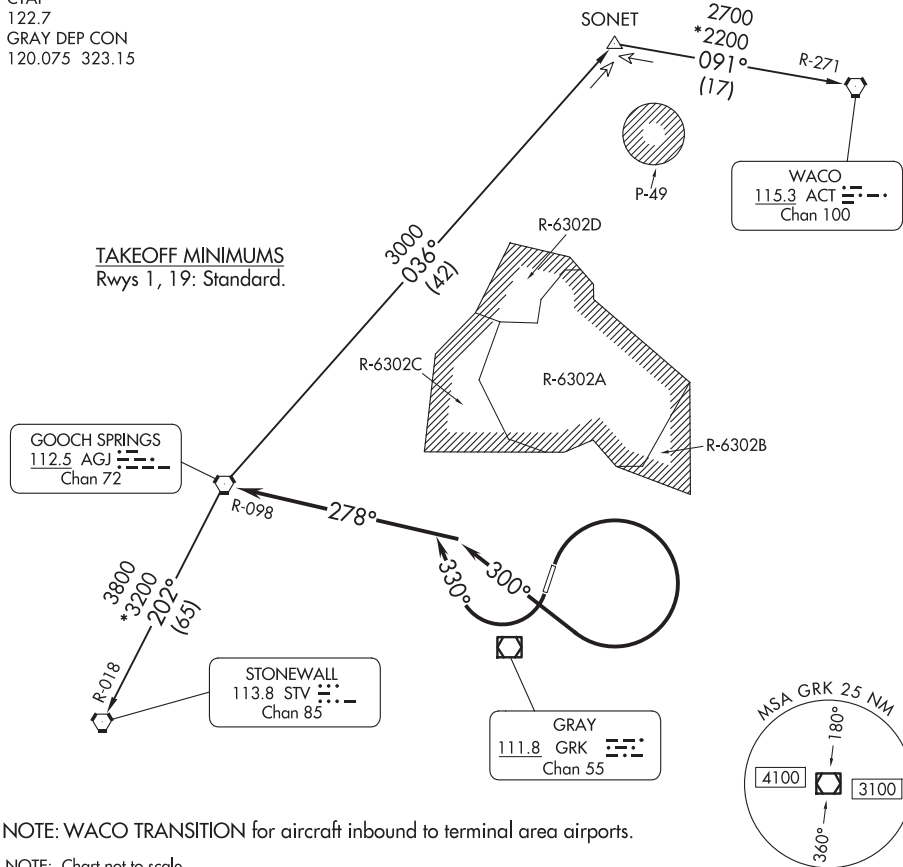
LAMPS EIGHT DEPARTURE

AWOS-3PT
128.575
CLNC DEL
121.7
CTAF
122.7
GRAY DEP CON
120.075 323.15

RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC

TAKEOFF MINIMUMS
Rwys 1, 19: Standard.



NOTE: WACO TRANSITION for aircraft inbound to terminal area airports.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climbing right turn heading 300° (to assigned altitude) to intercept and proceed on AGJ R-098. Thence. . .

TAKEOFF RUNWAY 19: Climbing right turn heading 330° (to assigned altitude) to intercept and proceed on AGJ R-098. Thence. . .

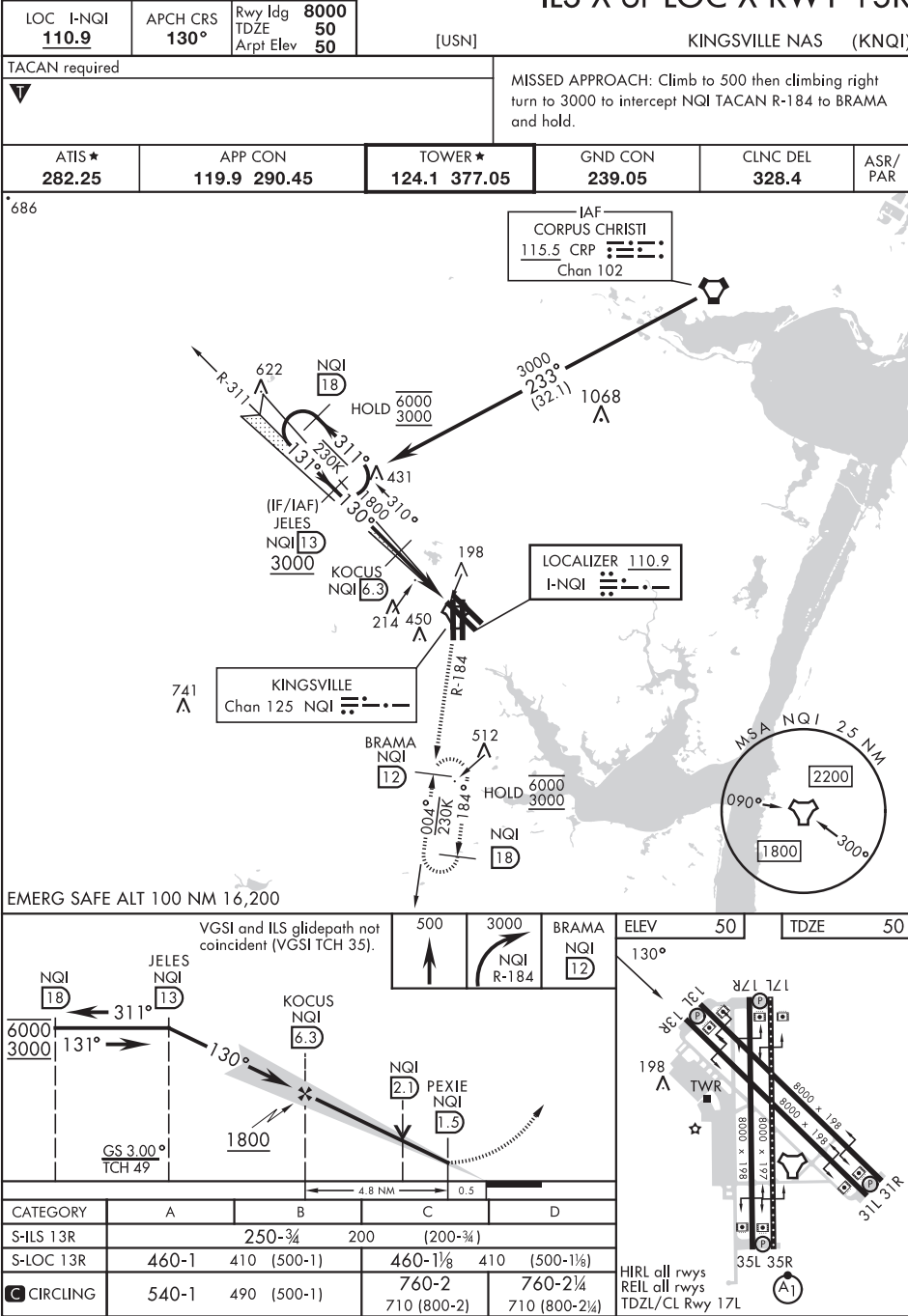
. . . on (transition) or (assigned route). Maintain ATC assigned altitude.

STONEWALL TRANSITION (LAMPS8.STV): From over AGJ VORTAC on AGJ R-202 and STV R-018 to STV VORTAC.

WACO TRANSITION (LAMPS8.ACT): From over AGJ VORTAC on AGJ R-036 to SONET INT, then on ACT R-271 to ACT VORTAC.

KINGSVILLE, TEXAS

ILS X or LOC X RWY 13R



ILS Z or LOC Z RWY 13R

LOC/DME I-NQI 110.9 Chan 46	APCH CRS 130°	Rwy Idg TDZE Arpt Elev 8000 50 50
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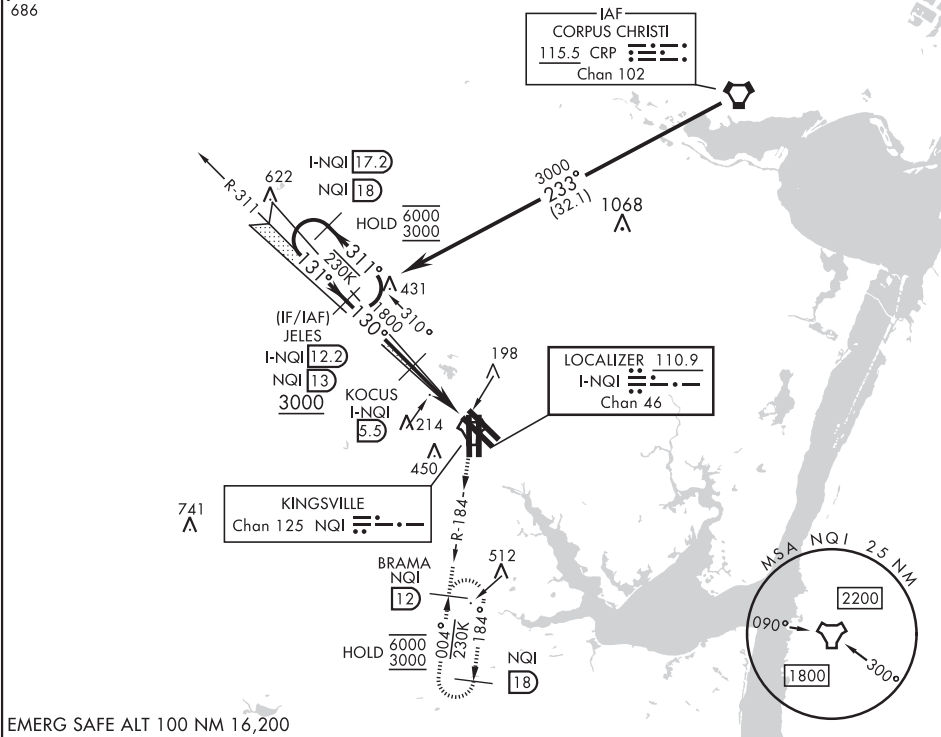
[USN]

KINGSVILLE NAS (KNQI)

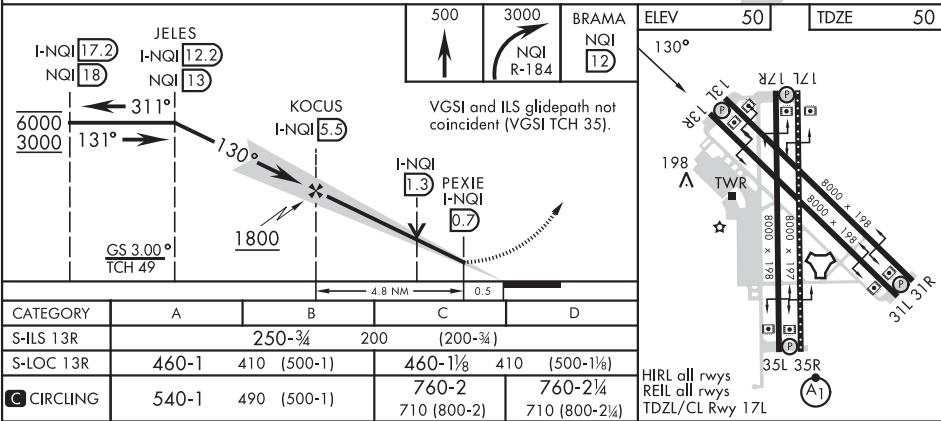
TACAN required

MISSED APPROACH: Climb to 500 then climbing right turn to 3000 and intercept NQI R-184 to BRAMA and hold.

ATIS★ 282.25	APP CON 119.9 290.45	TOWER★ 124.1 377.05	GND CON 239.05	CLNC DEL 328.4	ASR/ PAR
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EMERG SAFE ALT 100 NM 16,200



ILS Z or LOC Z RWY 13R

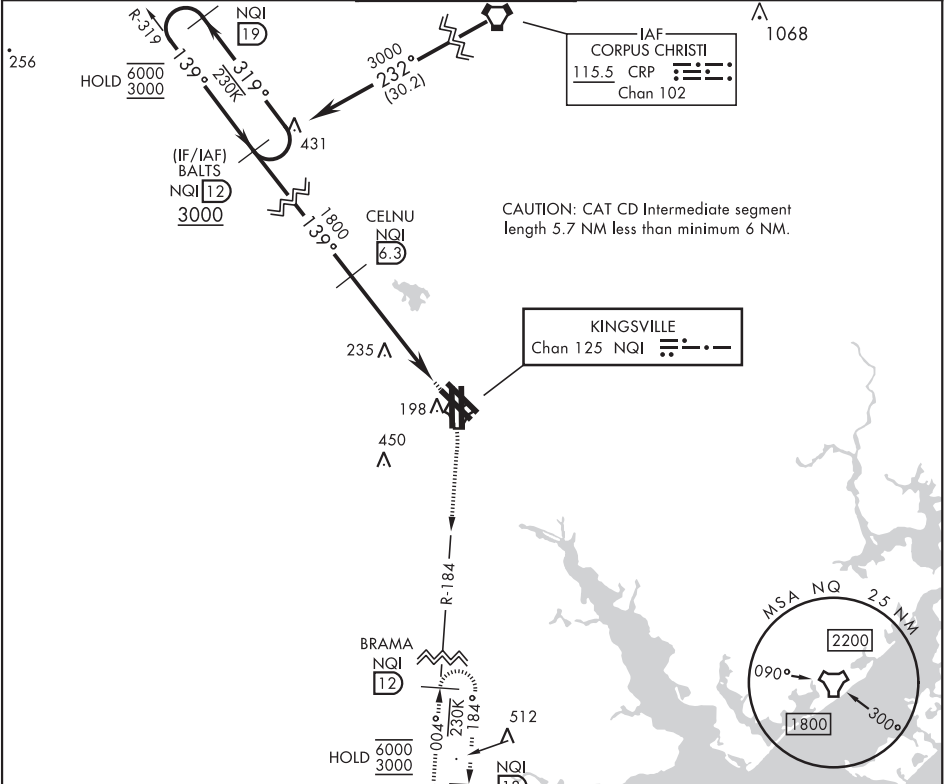
KINGSVILLE, TEXAS

TACAN RWY 13L/R

TACAN NQI Chan 125	APCH CRS 139°	Rwy 13L Idg 8000 TDZE 49 Arpt Elev 50	Rwy 13R Idg 8000 TDZE 50 Arpt Elev 50
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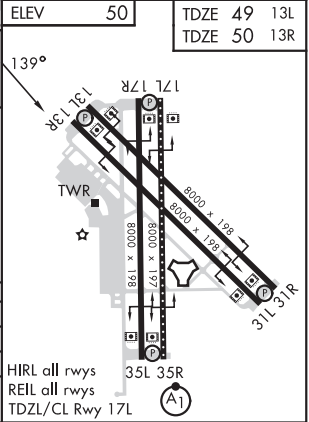
[USN] KINGSVILLE NAS (KNQI)

MISSED APPROACH: Climbing right turn to 3000 to intercept NQI TACAN R-184 to BAMA and hold.				
ATIS ★ 282.25	APP CON 119.9 290.45	TOWER ★ 124.1 377.05	GND CON 239.05	CLNC DEL 328.4
ASR/PAR				



EMERG SAFE ALT 100 NM 16,200

	NQI 19	BALTS NQI 12	CELNU NQI 6.3	FEDOB NQI 1.5	NQI TACAN
	6000 3000	139°	139°	1800	4.8 NM
	Rwy 13L 3.03° TCH 50	Rwy 13R 3.05° TCH 33			
CATEGORY	A	B	C	D	
S-13L	520-1	471 (500-1)	520-1½	471 (500-1½)	
S-13R	520-1	470 (500-1)	520-1½	470 (500-1½)	
CIRCLING	540-1	490 (500-1)	760-2 710 (800-2)	760-2¼ 710 (800-2¼)	



KINGSVILLE, TEXAS

27°30'N-97°49'W

KINGSVILLE NAS (KNQI)

Amdr 2 26DEC24

TACAN RWY 13L/R

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

KINGSVILLE NAS (KNQI)

MISSED APPROACH: Climb to 3000 direct NQI TACAN and climbing right turn to intercept NQI R-184 to BRAMA and hold.

259

HOLD 6000 3000

NQI 19

31.9°

230K

139°

(IAF) BALTS NQI 12 3000

R-319

NQI 12 Arc 1800

R-340

R-350

(IAF) MACAW NQI 12

1800

170

KELLA NQI 6.2

366

106

198

450

BRAMA NQI 12

R-184

004°

230K

184°

HOLD 6000 3000

NQI 18

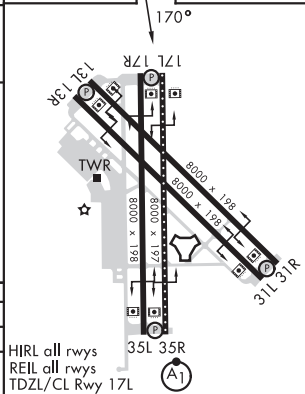
CAUTION: CAT CD intermediate segment length 5.8 NM less than minimum 6 NM.

CORPUS CHRISTI 115.5 CRP Chan 102

KINGSVILLE Chan 125 NQI

EMERG SAFE ALT 100 NM 16,200

ELEV	50	TDZE	49
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KINGSVILLE NAS (KNQI)

TACAN RWY 17L

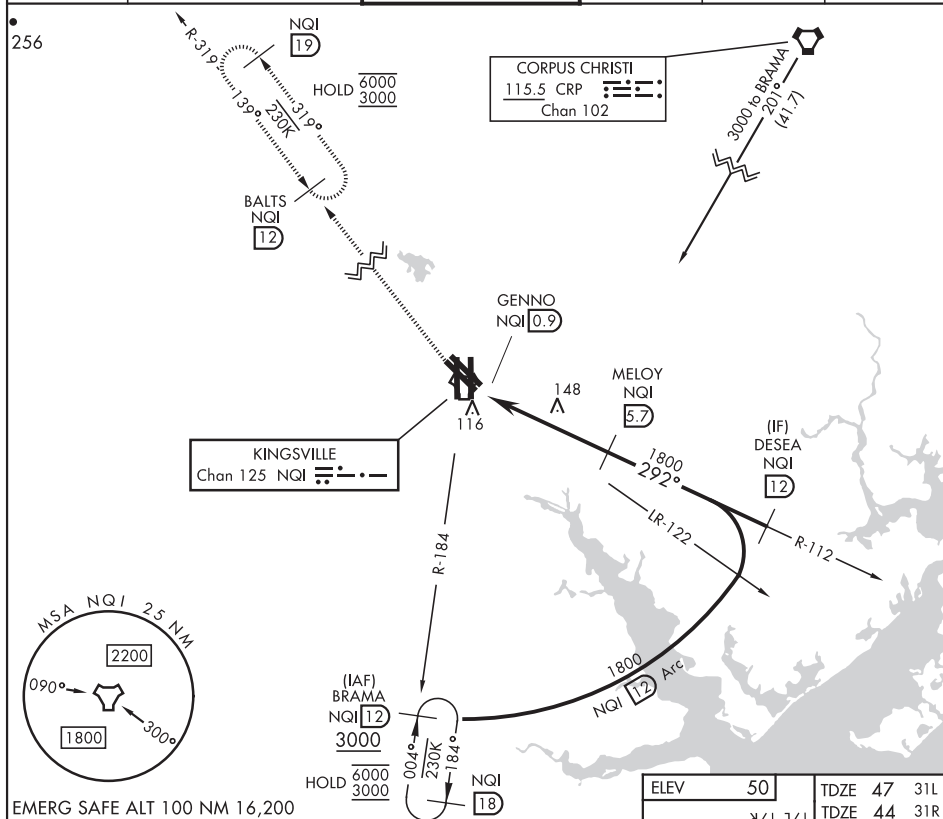
KINGSVILLE, TEXAS






TACAN NQI Chan 125	APCH CRS 292°	Rwy 31L Idg 8000 TDZE 47 Arprt Elev 50	Rwy 31R Idg 8000 TDZE 44 Arprt Elev 50
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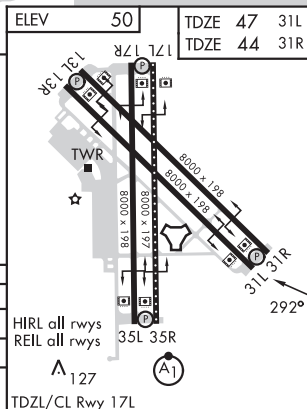
TACAN RWY 31L/R
[USN] KINGSVILLE NAS (KNQI)

MISSED APPROACH: Climb to 3000 direct NQI TACAN and climbing right turn to intercept NQI R-319 to BALTS and hold. Continue climb-in-hold to 3000.

ATIS ★ 282.25	APP CON 119.9 290.45	TOWER ★ 124.1 377.05	GND CON 239.05	CLNC DEL 328.4	ASR/PAR
------------------	-------------------------	-------------------------	-------------------	-------------------	---------



3000 NQI 	 NQI R-319	BALTS NQI 				
CATEGORY	A	B	C	D		
S-31L	380-1		333	(400-1)		
S-31R	380-1		336	(400-1)		
 CIRCLING	540-1	490 (500-1)	760-2 710 (800-2)	760-2¼ 710 (800-2¼)		



KINGSVILLE, TEXAS
Amdt 2 26DEC24

27°30'N-97°49'W

KINGSVILLE NAS (KNQI)

TACAN RWY 31L/R

SC-3, 12 JUN 2025 to 07 AUG 2025

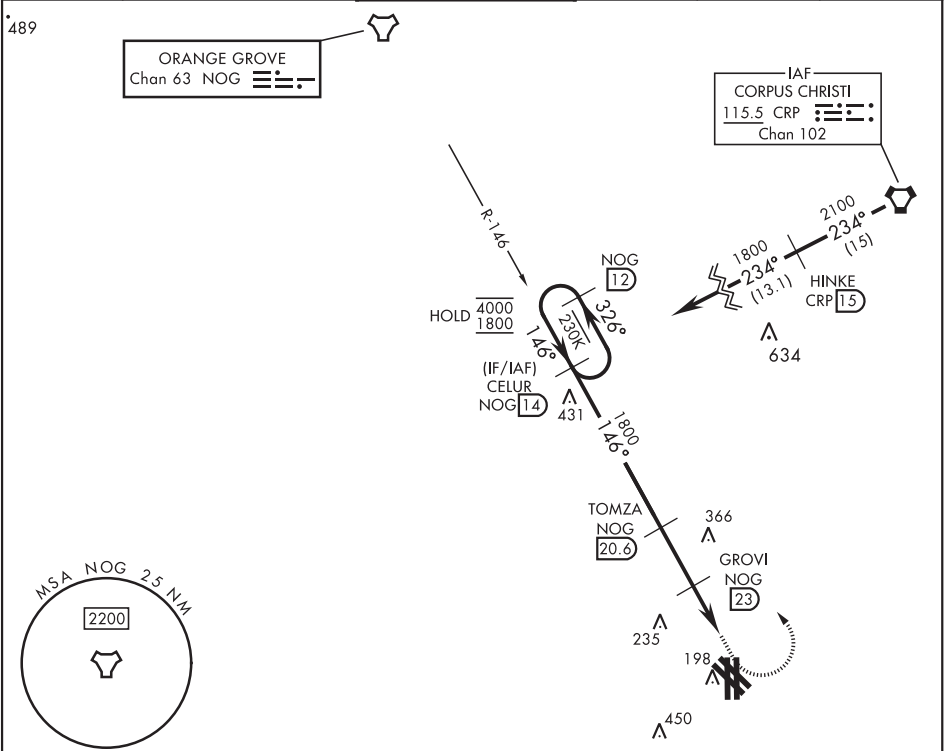
TACAN Y RWY 17R

TACAN	NOG	APCH CRS	Rwy Idg	8000
Chan	63	146°	TDZE	49
			Arprt Elev	50

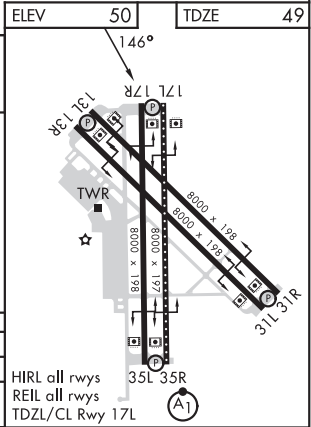
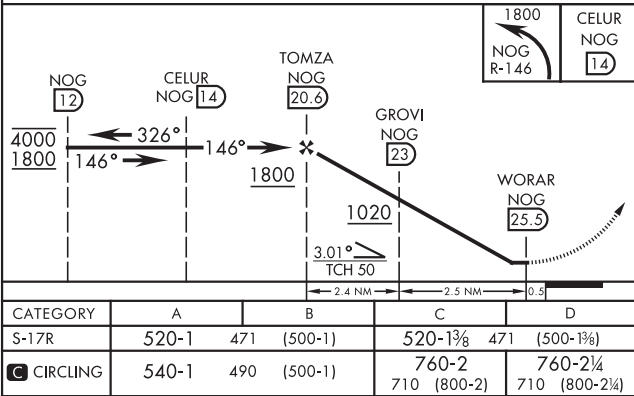
[USN]

KINGSVILLE NAS (KNQI)

MISSED APPROACH: Climbing left turn to 1800, intercept NOG TACAN R-146 to CELUR and hold.		TOWER ★		GND CON	CLNC DEL	ASR/PAR
ATIS ★	APP CON					
282.25	119.9 290.45	124.1 377.05		239.05	328.4	



EMERG SAFE ALT 100 NM 16,200



TACAN Y RWY 17R

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

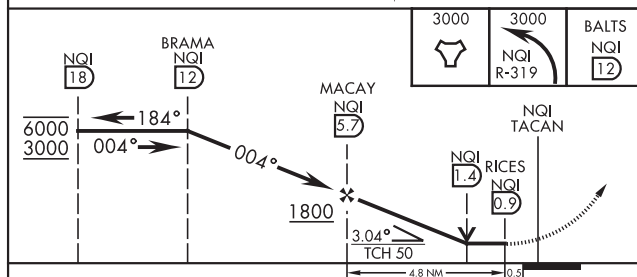
TACAN Y RWY 35R

KINGSVILLE NAS (KNQI)

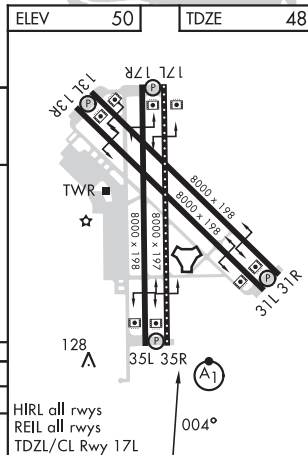
ALSF-1

MISSED APPROACH: Climb to 3000 direct NQI TACAN and climbing left turn to intercept NQI R-319 to BALTS and hold. Continue climb-in-hold to 3000.

EMERG SAFE ALT 100 NM 16,200



CATEGORY	A	B	C	D
S-35R *	420-1/2	372 (400-1/2)	420-3/4	372 (400-3/4)
C CIRCLING	540-1	490 (500-1)	760-2 710 (800-2)	760-2 1/4 710 (800-2 1/4)



27°30'N-97°49'W

KINGSVILLE NAS (KNQI)

TACAN Y RWY 35R

SC-3, 12 JUN 2025 to 07 AUG 2025

TACAN Z RWY 17R

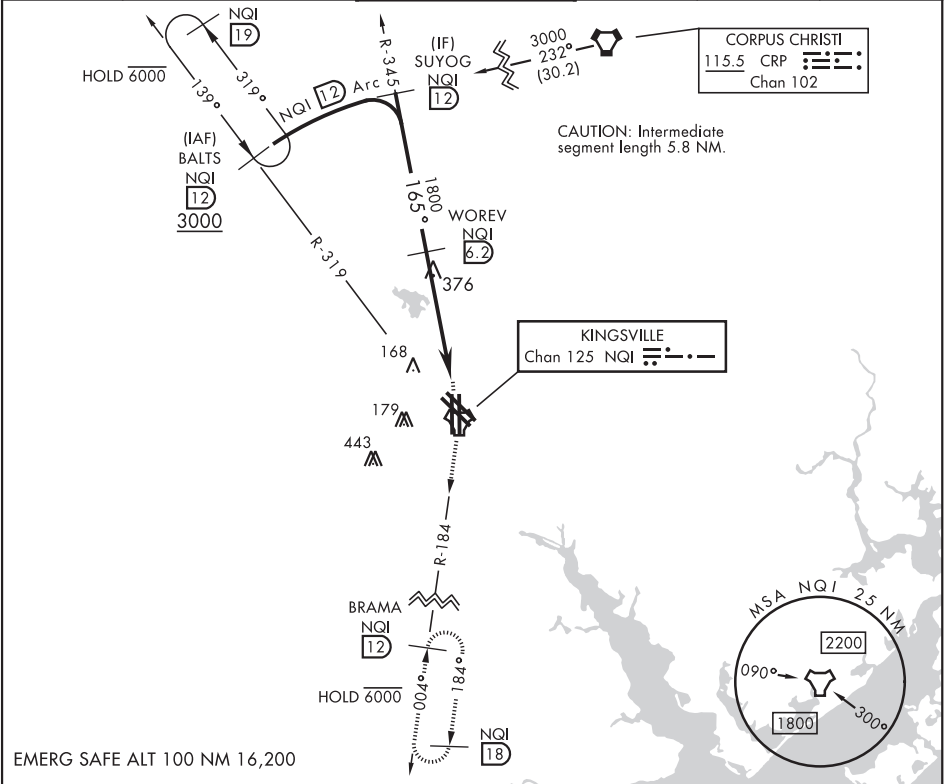
TACAN NQI	APCH CRS	Rwy Idg	8000
Chan 125	165°	TDZE	49
		Arprt Elev	50

[USN]

KINGSVILLE NAS (KNQI)

MISSED APPROACH: Climb to 3000 direct NQI TACAN and climbing right turn to intercept NQI R-184 to BRAMA and hold.

ATIS ★ 282.25	APP CON 119.9 290.45	TOWER ★ 124.1 377.05	GND CON 239.05	CLNC DEL 328.4	ASR/PAR
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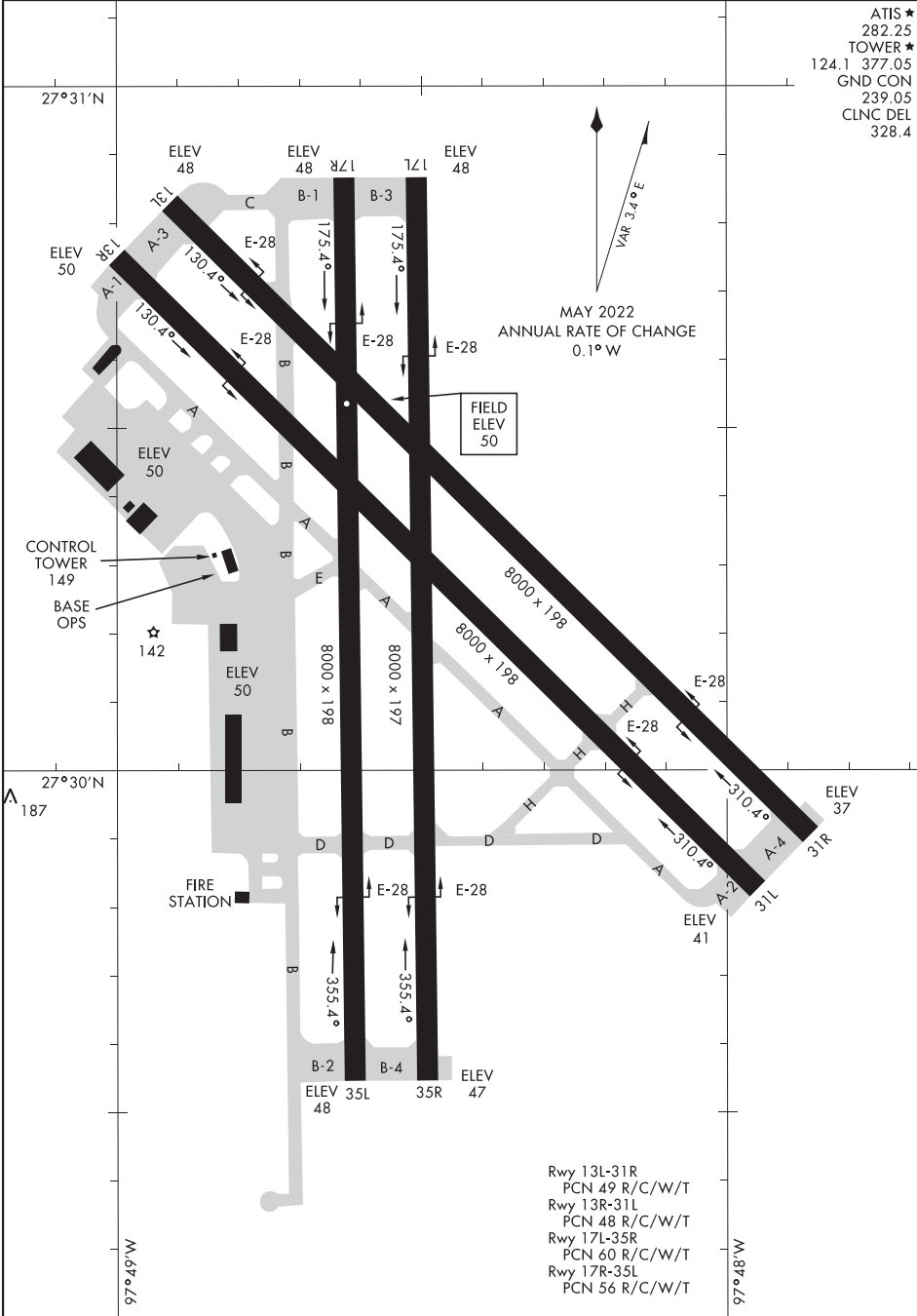
EMERG SAFE ALT 100 NM 16,200

<table border="1"><thead><tr><th>CATEGORY</th><th>A</th><th>B</th><th>C</th><th>D</th></tr></thead><tbody><tr><td>S-17R</td><td>400-1</td><td>351</td><td>(400-1)</td><td></td></tr><tr><td>CIRCLING</td><td>540-1</td><td>490 (500-1)</td><td>760-2 710 (800-2)</td><td>760-2 710 (800-2)</td></tr></tbody></table>				CATEGORY	A	B	C	D	S-17R	400-1	351	(400-1)		CIRCLING	540-1	490 (500-1)	760-2 710 (800-2)	760-2 710 (800-2)	<table border="1"><thead><tr><th>ELEV</th><th>50</th><th>TDZE</th><th>49</th></tr></thead><tbody><tr><td colspan="4"></td></tr></tbody></table>		ELEV	50	TDZE	49				
CATEGORY	A	B	C	D																								
S-17R	400-1	351	(400-1)																									
CIRCLING	540-1	490 (500-1)	760-2 710 (800-2)	760-2 710 (800-2)																								
ELEV	50	TDZE	49																									

TACAN Z RWY 17R

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



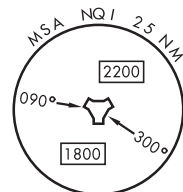
ATIS ★
282.25
TOWER ★
124.1 377.05
GND CON
239.05
CLNC DEL
328.4

Rwy 13L-31R
PCN 49 R/C/W/T
Rwy 13R-31L
PCN 48 R/C/W/T
Rwy 17L-35R
PCN 60 R/C/W/T
Rwy 17R-35L
PCN 56 R/C/W/T

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ATIS★ 282.25
CLNC DEL
328.4
GND CON
239.05
★ TOWER
124.1 377.05
DEP CON
121.05 266.8



EMERG SAFE ALT 100 NM 16,200

TAKEOFF RWY 13L/R: Climb via heading 130° to join NQI TACAN 7 DME arc, thence...

TAKEOFF RWY 17L/R: Climb via heading 175° to join NQI TACAN 7 DME arc, thence...

TAKEOFF RWY 31L/R: Climb via heading 310° to join NQI TACAN 7 DME arc, thence...

TAKEOFF RWY 35L/R: Climb via heading 355° to join NQI TACAN 7 DME arc, thence...

Rwys 13L/R and 17L/R: ...turn left to intercept NQI 7 DME arc and arc NE. Turn right to intercept NQI R-038 to cross JERIR at or above 8000. Then on NQI R-038 to CRP VORTAC.

Rwys 31L/R and 35L/R: ...turn right to intercept NQI 7 DME arc and arc NE. Turn left to intercept NQI R-038 to cross JERIR at or above 8000. Then on NQI R-038 to CRP VORTAC.

KINGSVILLE, TEXAS
KINGSVILLE NAS (KNQI)



DEPARTURE ROUTE DESCRIPTION (CONTINUED)

HOBOZ TRANSITION (NQI4.HOBOZ):

Rwys 13L/R and 35L/R: ...turn left to intercept NQI 7 DME arc and arc NW. Turn right to intercept NQI R-339 to HOBOS.

Rwys 17L/R and 31L/R: ...turn right to intercept NQI 7 DME arc and arc NW. Turn left to intercept NQI R-339 to HOBOS.

JUBAK TRANSITION (NQI4.JUBAK): *

Rwys 13L/R and 17L/R: ...turn left to intercept NQI 7 DME arc and arc SE. Turn right to intercept NQI R-125 to JUBAK.

Rwys 31L/R and 35L/R: ...turn right to intercept NQI 7 DME arc and arc SE. Turn left to intercept NQI R-125 to JUBAK.

RICTO TRANSITION (NQI4.RICTO): *

Rwy 13L/R and 17L/R: ...turn right to intercept NQI 7 DME arc and arc SW. Turn left to intercept NQI R-225 to RICTO.

Rwy 31L/R and 35L/R: ...turn left to intercept NQI 7 DME arc and arc SW. Turn right to intercept NQI R-225 to RICTO.

* RICTO and JUBAK transitions are for local use for Special Use Airspace entry only.

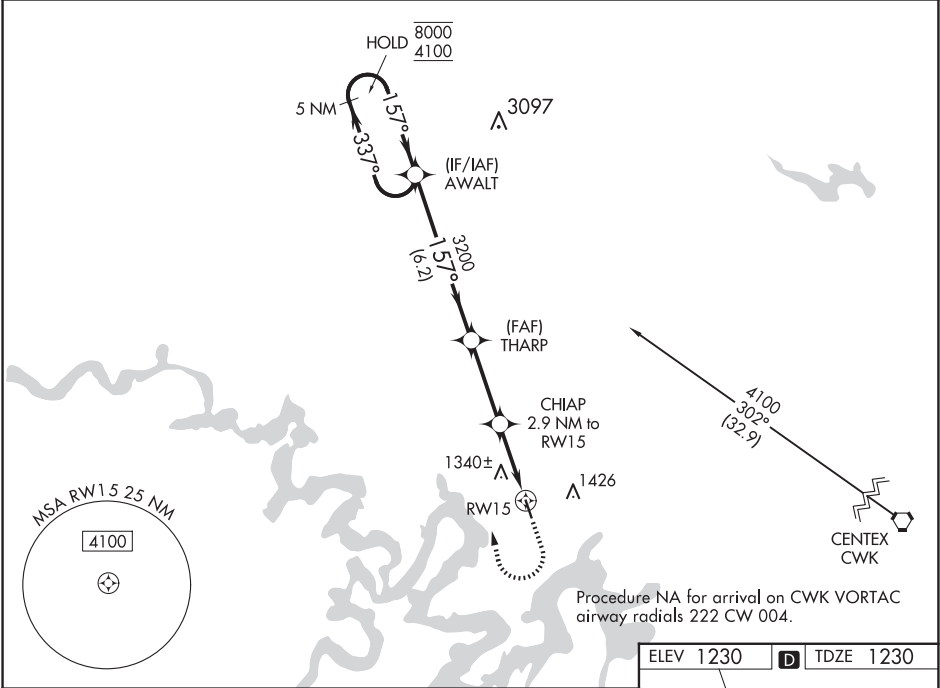
LOST COMMUNICATIONS: If no transmissions are received one minute after departure, climb to assigned altitude, proceed direct assigned NAVAID or intercept NQI TACAN 7 DME arc, arc to respective departure radial then via departure radial to assigned departure fix. Then via assigned transition or route. Once established on departure radial climb to filed altitude.

WAAS CH 81831 W15A	APP CRS 157°	Rwy Idg TDZE 1230 Apt Elev 1230
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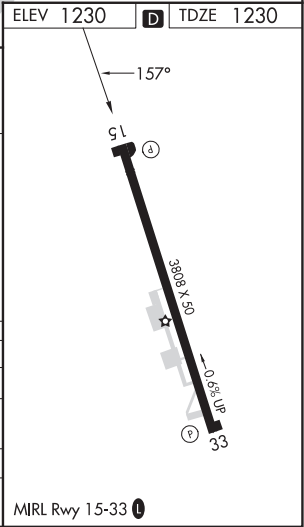
RNAV (GPS) RWY 15
LAGO VISTA TX/RUSTY ALLEN (RYW)

RNP APCH - GPS.	MISSED APPROACH: Climb to 1700 then climbing right turn to 4100 direct AWALT and hold, continue climb-in-hold to 4100.
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Rwy 15 helicopter visibility reduction below ¾ SM NA.	

AWOS-3PT 119.375	AUSTIN APP CON 119.0 370.85	UNICOM 122.725 (CTAF) 1
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VGSI and RNAV glidepath not coincident (VGSI Angle 4.00/TCH 56).				
5 NM Holding Pattern				
AWALT				
8000 ← 337° 4100 → 157°				
GP 3.00° TCH 40				
THARP 3200 CHIAP 2.9 NM to RW15 0.8 NM to RW15				
3200 2180				
6.2 NM 3.2 NM 2.1 NM 0.8				
CATEGORY	A	B	C	D
LPV DA	1480-1	250 (300-1)	NA	
LNAV/VNAV DA	1641-1½	411 (500-1½)	NA	
LNAV MDA	1620-1	390 (400-1)	NA	
CIRCLING	1660-1 430 (500-1)	1860-1 630 (700-1)	NA	



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

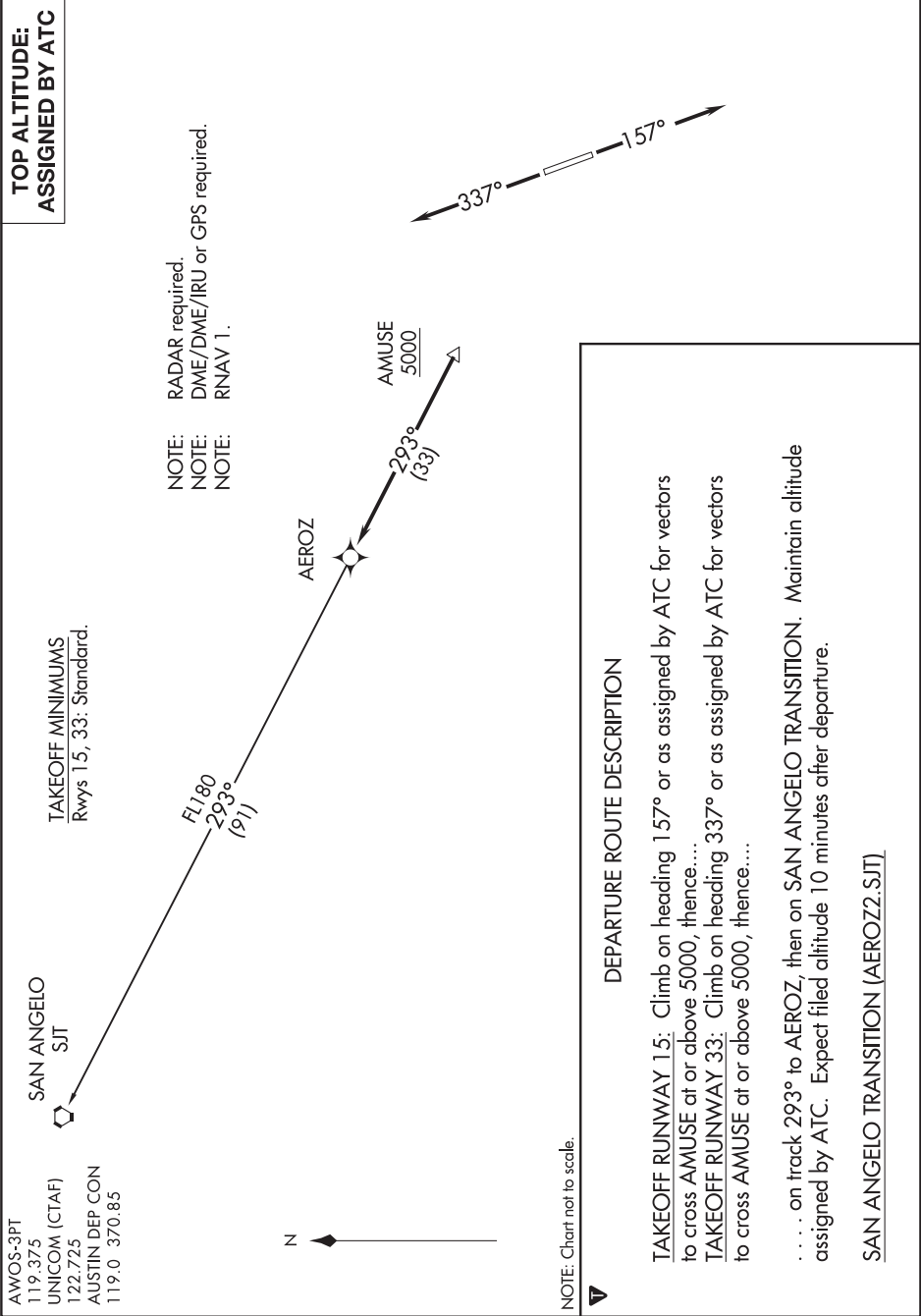
(AEROZ2.AEROZ) 22027

LAGO VISTA TX/RUSTY ALLEN (RYW)

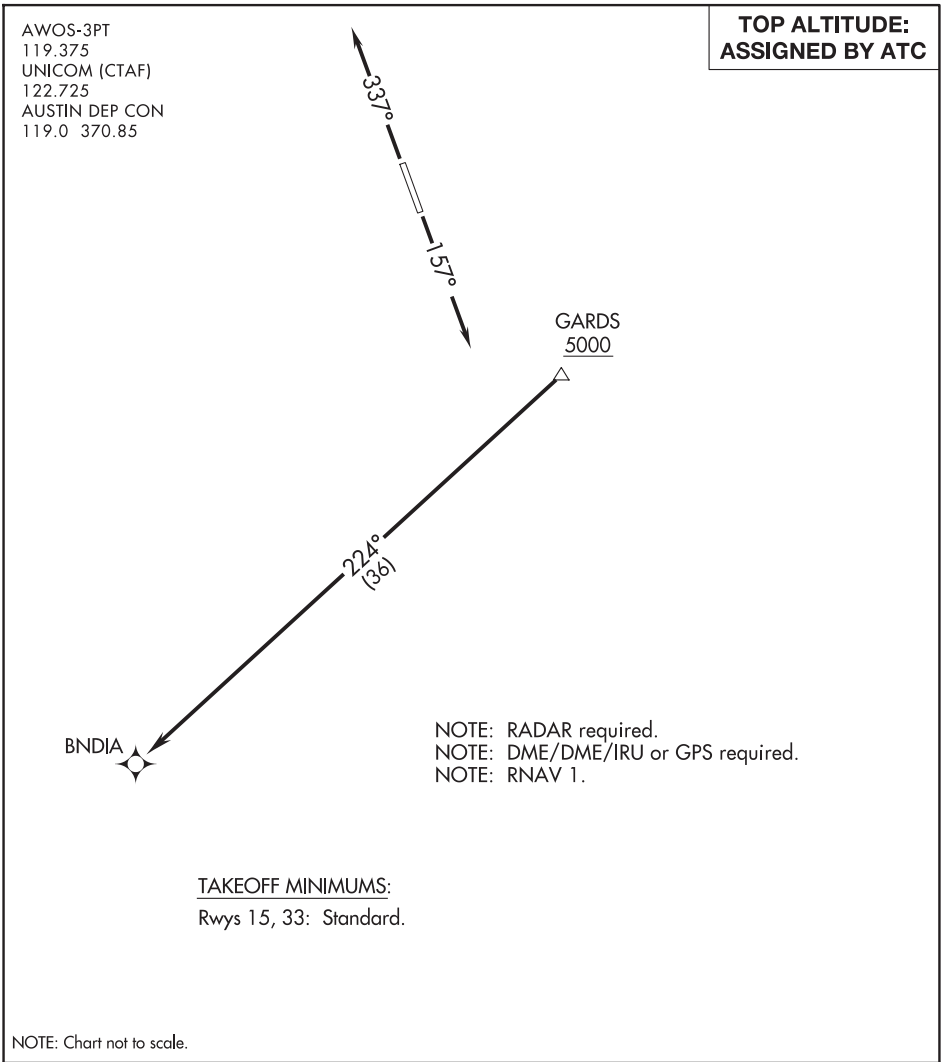
AEROZ TWO DEPARTURE (RNAV) AL-6111

LAGO VISTA, TEXAS

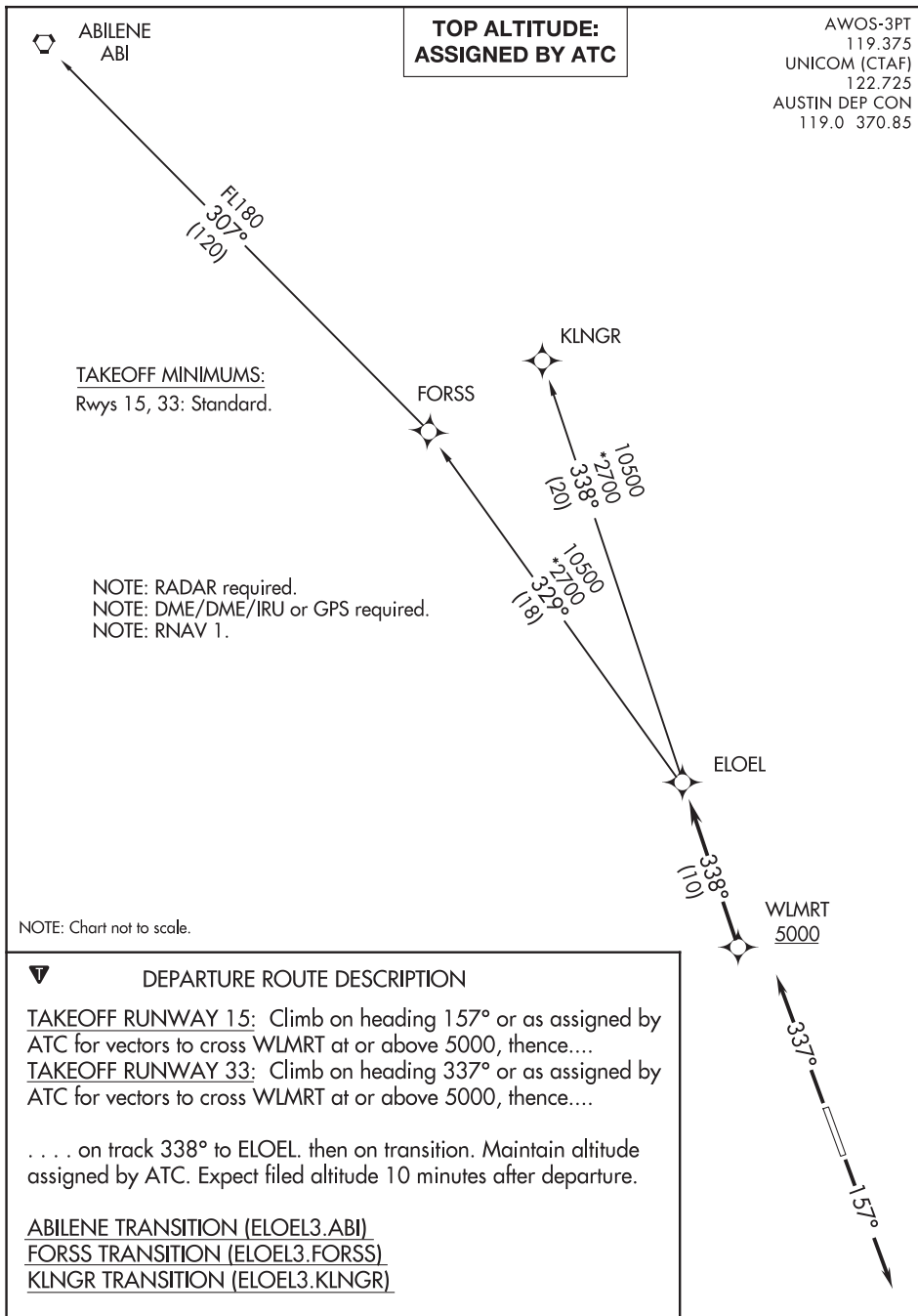
SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025



DEPARTURE ROUTE DESCRIPTION
<p>TAKEOFF RUNWAY 15: Climb on heading 157° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....</p> <p>TAKEOFF RUNWAY 33: Climb on heading 337° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....</p> <p>....on track 224° to BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.</p>



ELOEL THREE DEPARTURE (RNAV)

(ELOEL3.ELOEL) 22APR21

LAGO VISTA, TEXAS

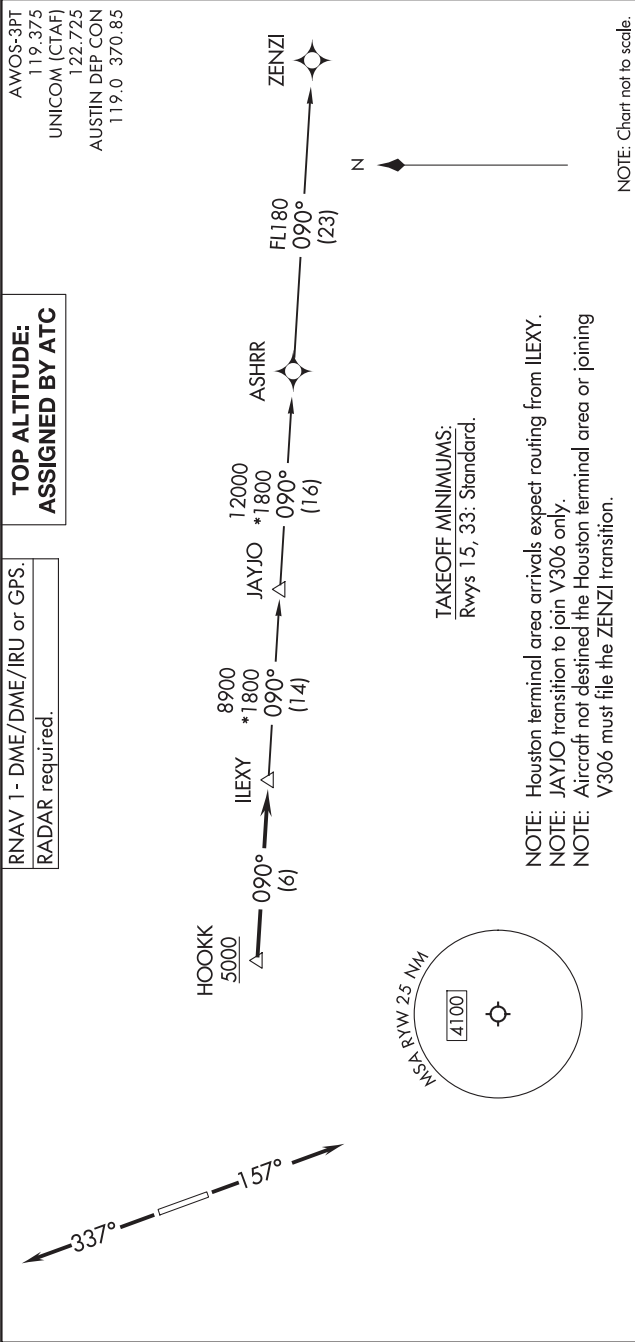
LAGO VISTA TX/RUSTY ALLEN (RYW)

SC-3, 12 JUN 2025 to 07 AUG 2025

(ILEXY4.ILEXY) 23166

ILEXY FOUR DEPARTURE (RNAV) AL-6111 (FAA)

LAGO VISTA TX/RUSTY ALLEN (RYW)
LAGO VISTA, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 157° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence. . . .
TAKEOFF RUNWAY 33: Climb on heading 337° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence. . . .
... on track 090° to ILEXY, then on transition. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

JAYJO TRANSITION (ILEXY4.JAYJO)
ZENZI TRANSITION (ILEXY4.ZENZI)

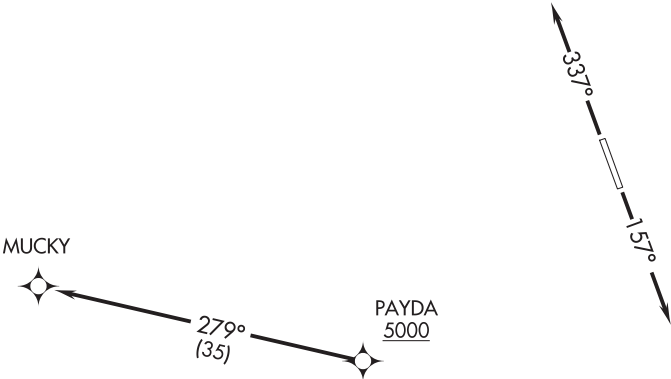
ILEXY FOUR DEPARTURE (RNAV)
(ILEXY4.ILEXY) 15JUN23

LAGO VISTA, TEXAS
LAGO VISTA TX/RUSTY ALLEN (RYW)

MUCKY THREE DEPARTURE (RNAV)

TOP ALTITUDE:
ASSIGNED BY ATC

AWOS-3PT
119.375
UNICOM (CTAF)
122.725
AUSTIN DEP CON
119.0 370.85



TAKEOFF MINIMUMS:
Rwys 15, 33: Standard.

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.

NOTE: Chart not to scale.

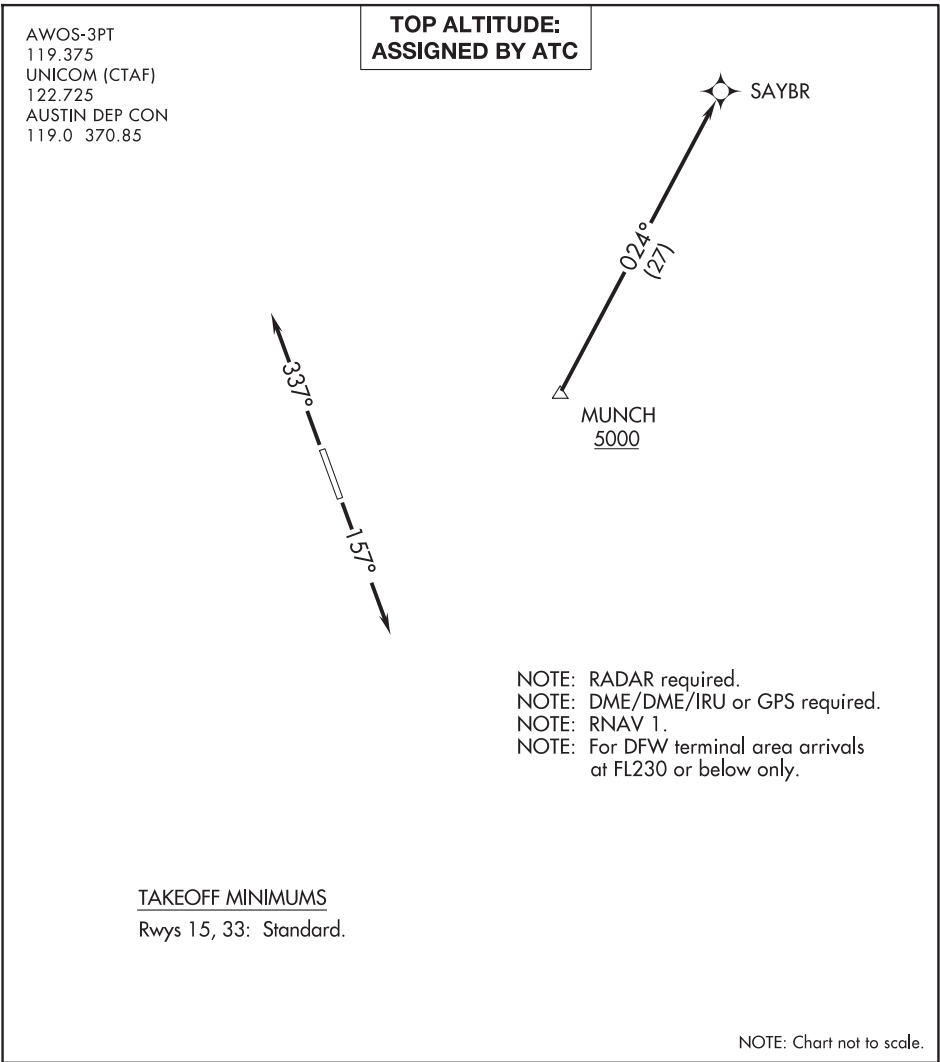


DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 157° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....

TAKEOFF RUNWAY 33: Climb on heading 337° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence....

... on track 279° to MUCKY. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.



T

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 157° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence....
TAKEOFF RUNWAY 33: Climb on heading 337° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence....

... on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

LAJITAS, TEXAS

AL-11943 (FAA-O)

24361

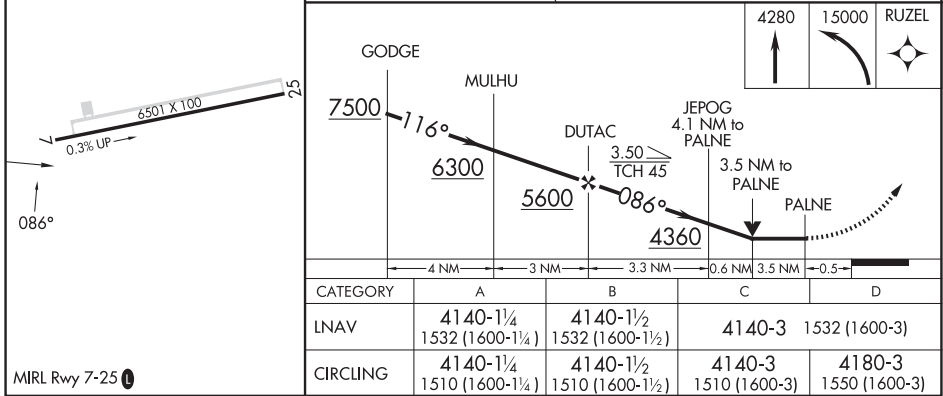
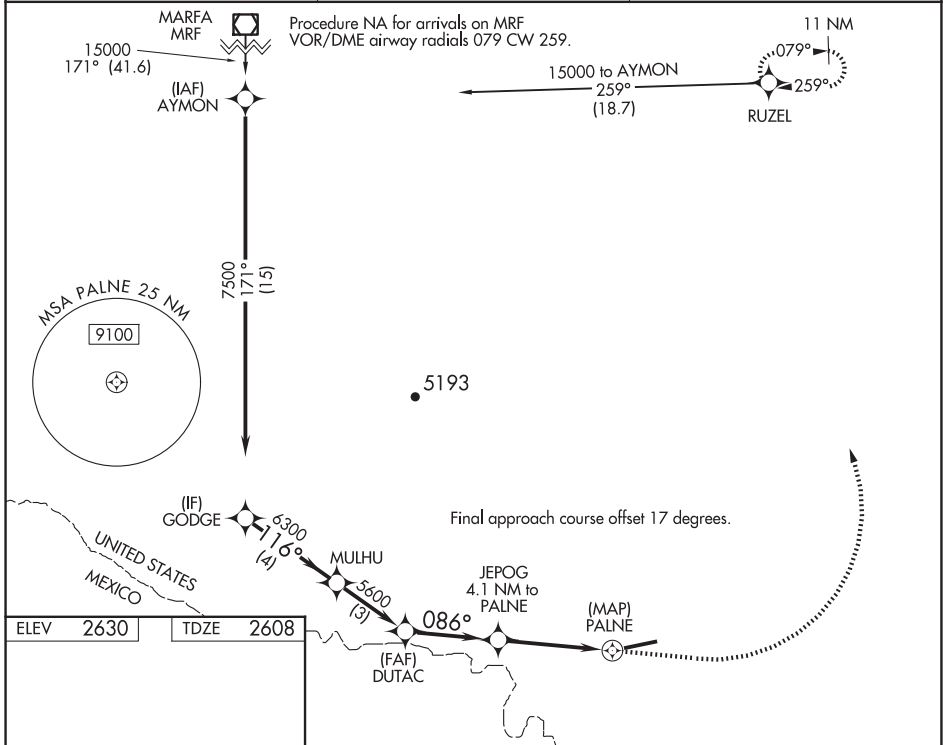
APP CRS	Rwy Idg	6501
086°	TDZE	2608
	Apt Elev	2630

RNAV (GPS) RWY 7

LAJITAS INTL (T89)

RNP APCH - GPS.	MISSED APPROACH: Climb to 4280 then climbing left turn to 15000 direct RUZEL and hold, continue climb in hold to 15000.
▼ Rwy 7 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Presidio Lely Intl altimeter setting and increase all MDA 140 feet. VDP NA when using Presidio Lely Intl altimeter setting. Circling NA south of Rwy 7-25.	

AWOS-3 119.275	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.7 (CTAF) 0
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MIRL Rwy 7-25 0

LAJITAS, TEXAS
Orig 26DEC24

29°17'N-103°41'W

RNAV (GPS) RWY 7

LAJITAS INTL (T89)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

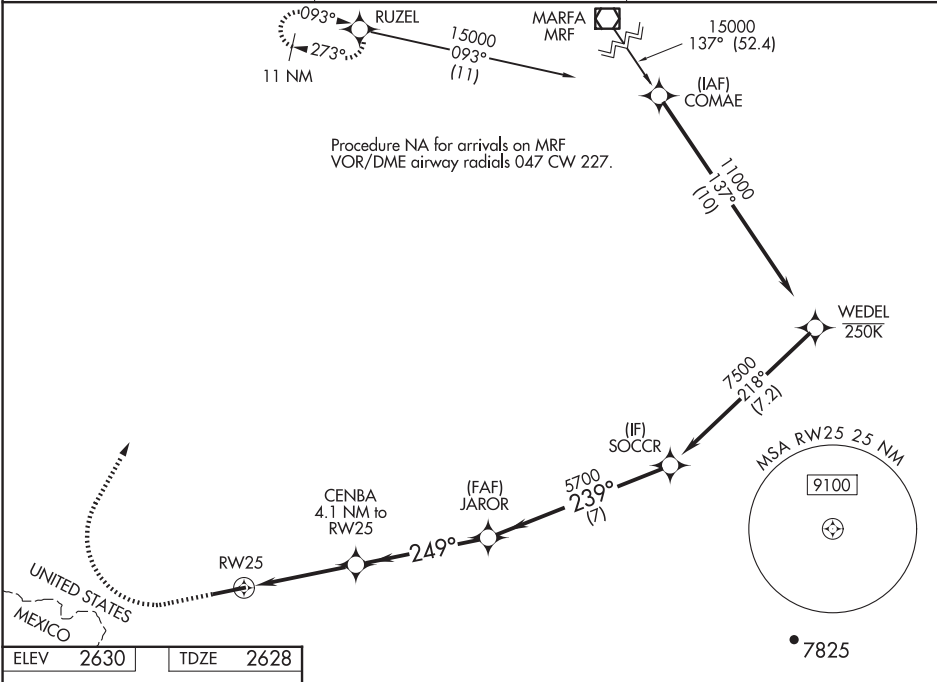
WAAS CH 72456 W25B	APP CRS 249°	Rwy Idg TDZE Apt Elev	6501 2628 2630
--	------------------------	-----------------------------	---

RNAV (GPS) Y RWY 25

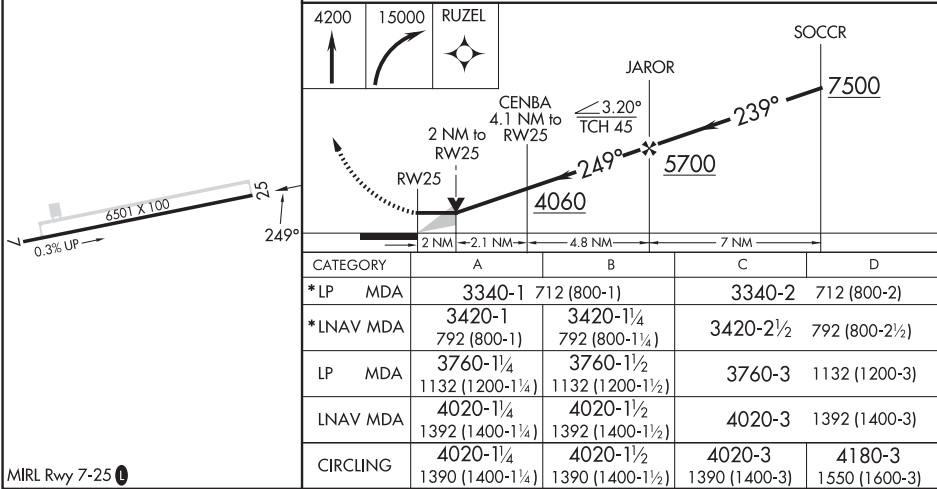
LAJITAS INTL (T89)

RNP APCH - GPS.	MISSED APPROACH: Climb to 4200 then climbing right turn to 15000 direct RUZEL and hold, continue climb-in-hold to 15000. *MISSED APPROACH requires minimum climb of 237 feet per NM to 5800.
<div><div></div><div>Circling NA south of Rwy 7-25. When local altimeter setting not received, procedure NA.</div></div>	

AWOS-3 119.275	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.7 (CTAF) 0
--------------------------	---	---------------------------------



ELEV 2630	TDZE 2628
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MIRL Rwy 7-25 0

LAJITAS, TEXAS
Orig 26DEC24

LAJITAS INTL (T89)

29°17'N-103°41'W

RNAV (GPS) Y RWY 25

LAJITAS, TEXAS

AL-11943 (FAA-O)

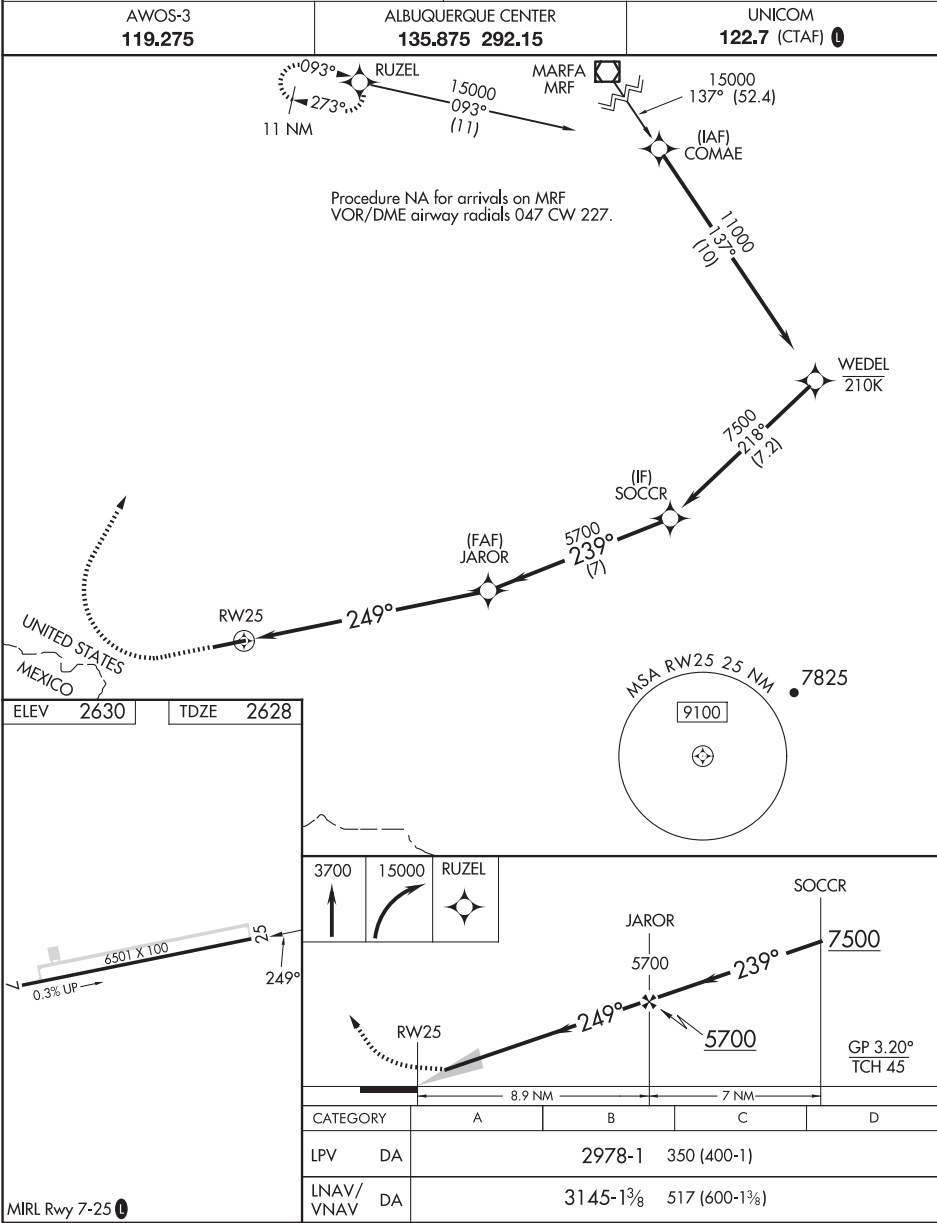
24361

WAAS CH 71055 W25A	APP CRS 249°	Rwy Idg TDZE 2628 Apt Elev 2630
--	------------------------	---

RNAV (GPS) Z RWY 25

LAJITAS INTL (T89)

RNP APCH - GPS.	MISSED APPROACH: Climb to 3700 then climbing right turn to 15000 direct RUZEL and hold, continue climb-in-hold to 15000.
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C. When local altimeter setting not received, procedure NA.	MISSED APPROACH requires minimum climb of 383 feet per NM to 5060, if unable to meet climb gradient, see RNAV (GPS) Y RWY 25.



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

MIRL Rwy 7-25 1

LAJITAS, TEXAS
Orig 26DEC24

29°17'N-103°41'W

LAJITAS INTL (T89)

RNAV (GPS) Z RWY 25

(MARFA2.MRF) 24361

AL-11943 (FAA-O)

LAJITAS INTL (T89)

MARFA TWO DEPARTURE (OBSTACLE) (RNAV)

LAJITAS, TEXAS

RNAV 1 - GPS.

MARFA
MRF

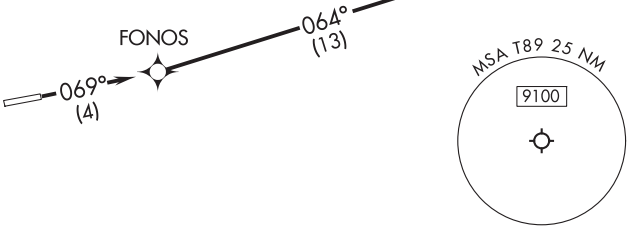


**TOP ALTITUDE:
ASSIGNED BY ATC**

ALBUQUERQUE DEP CON
135.875 292.15

TAKEOFF MINIMUMS:

Rwy 7: Standard with minimum climb of 350' per NM to 7000.
Rwy 25: NA-environmental.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 7: Climb on course 069° to FONOS, then on track 064° to SOCCR, then on track 349° to cross COMAE at or above 15000, then on track 317° to MRF VOR/DME.

MARFA TWO DEPARTURE (OBSTACLE) (RNAV)

(MARFA2.MRF) 26DEC24

LAJITAS, TEXAS

LAJITAS INTL (T89)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

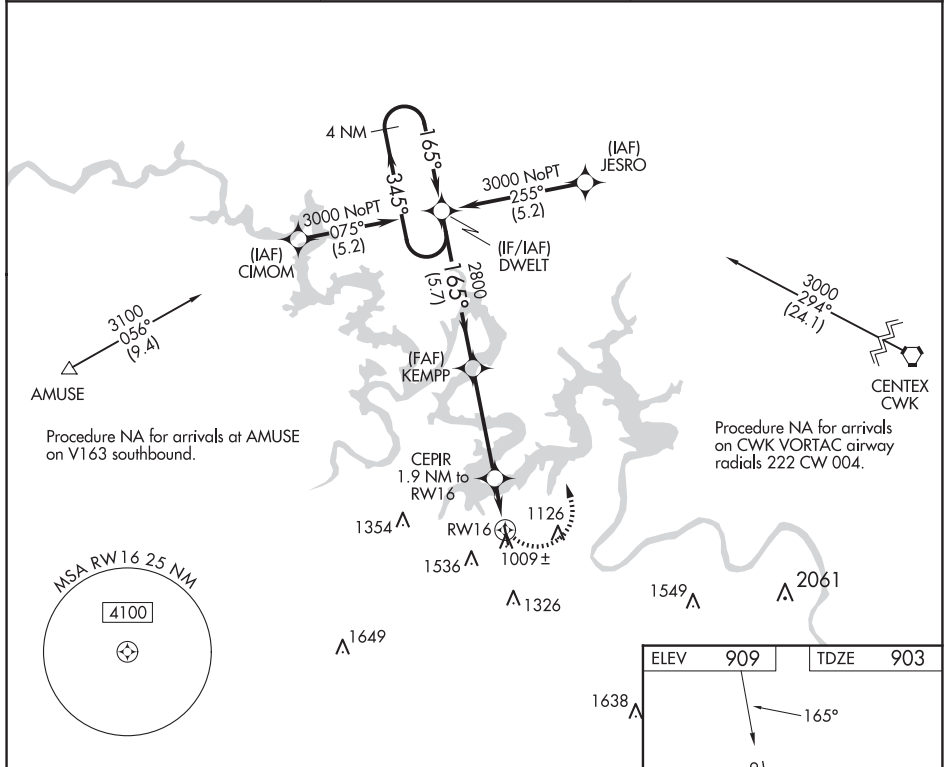
WAAS CH 42531 W16A	APP CRS 165°	Rwy Idg 3148 TDZE 903 Apt Elev 909
--	------------------------	---

RNAV (GPS) RWY 16

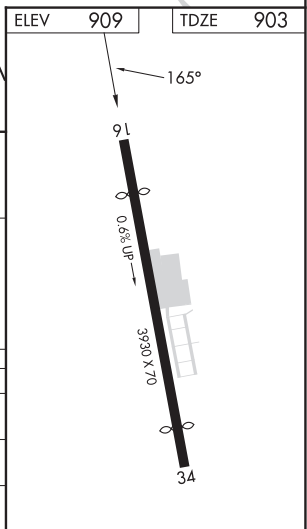
LAKEWAY AIRPARK (3R.9)

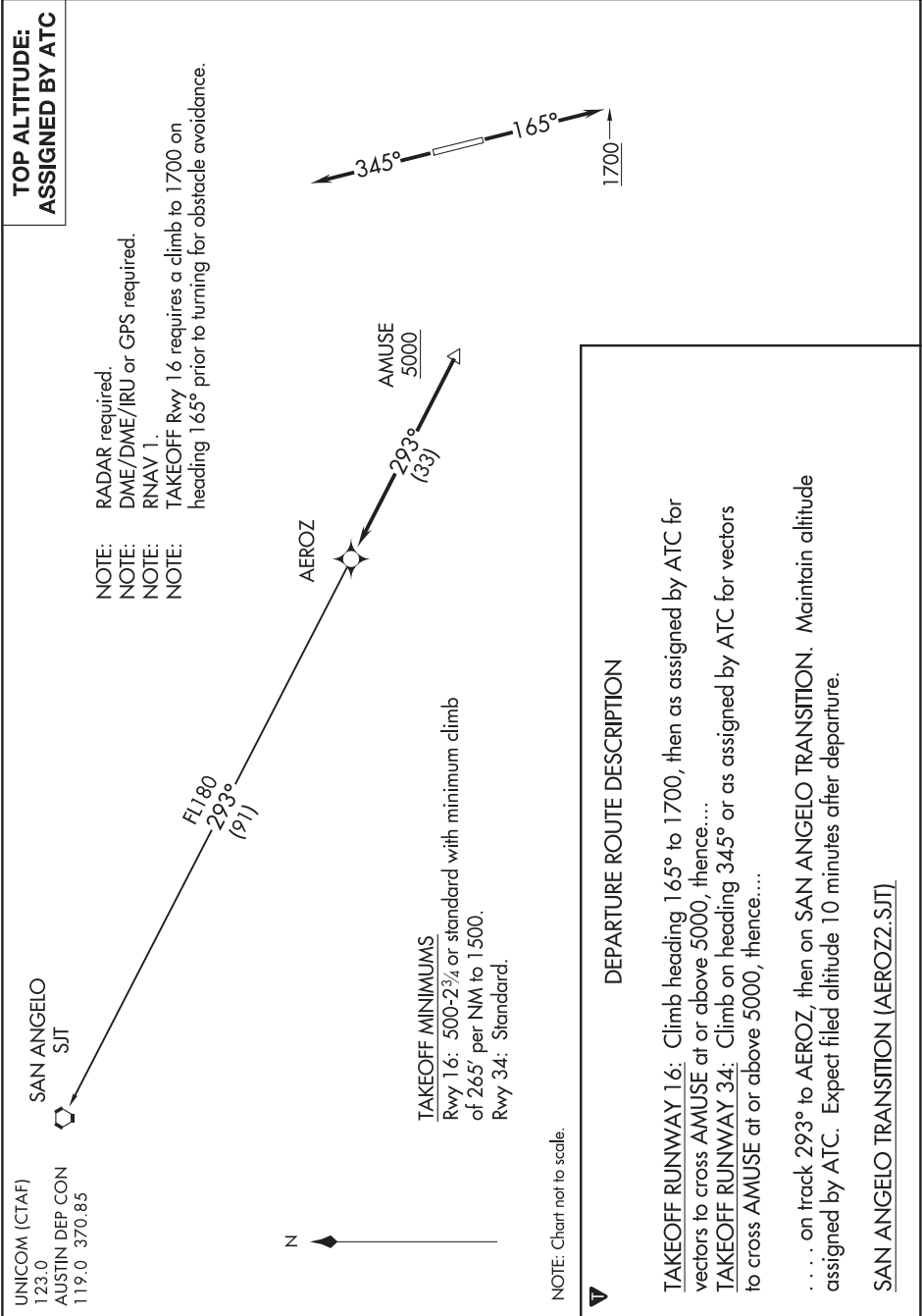
<p>NA</p> <p>Rwy 16, 34 helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. Procedure NA at night. Use Lago Vista altimeter setting; when not received, use Austin-Bergstrom Intl altimeter setting and increase all MDA 40 feet.</p>	<p>MISSED APPROACH: Climbing left turn to 3000 direct DWELT and hold.</p>
---	---

<p>RYW ASOS 119.375</p>	<p>AUSTIN APP CON 119.0 370.85</p>	<p>UNICOM 123.0 (CTAF)</p>
------------------------------------	---	---------------------------------------



Visual Segment - Obstacles.				
4 NM Holding Pattern		DWELT	KEMPP	CEPIR 1.9 NM to RWY 16
3000 ← 345° → 165° →		2800	1520	RWY 16
5.7 NM		4 NM	1.9 NM	
CATEGORY	A	B	C	D
LP MDA	1340-1	437 (500-1)	NA	
LNAV MDA	1360-1	457 (500-1)	NA	
CIRCLING	1620-1 711 (800-1)	1960-1 ½ 1051 (1100-1 ½)	NA	





(BNDIA3.BNDIA) 21112

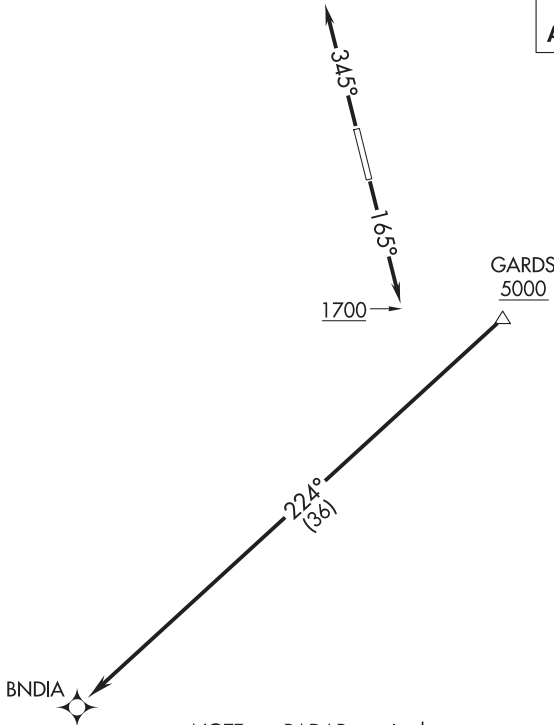
BNDIA THREE DEPARTURE (RNAV)

280
AL-6677 (FAA)

LAKEWAY AIRPARK (3R9)
LAKEWAY, TEXAS

UNICOM (CTAF)
123.0
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC



- NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: Takeoff Rwy 16 requires a climb to 1700 on heading 165° prior to turning for obstacle avoidance.

TAKEOFF MINIMUMS:

Rwy 16: 500-2¾ or standard with minimum climb of 265' per NM to 1500.
Rwy 34: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 165° to 1700, then as assigned by ATC for vectors to cross GARDS at or above 5000, thence....

TAKEOFF RUNWAY 34: Climb on heading 345° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....

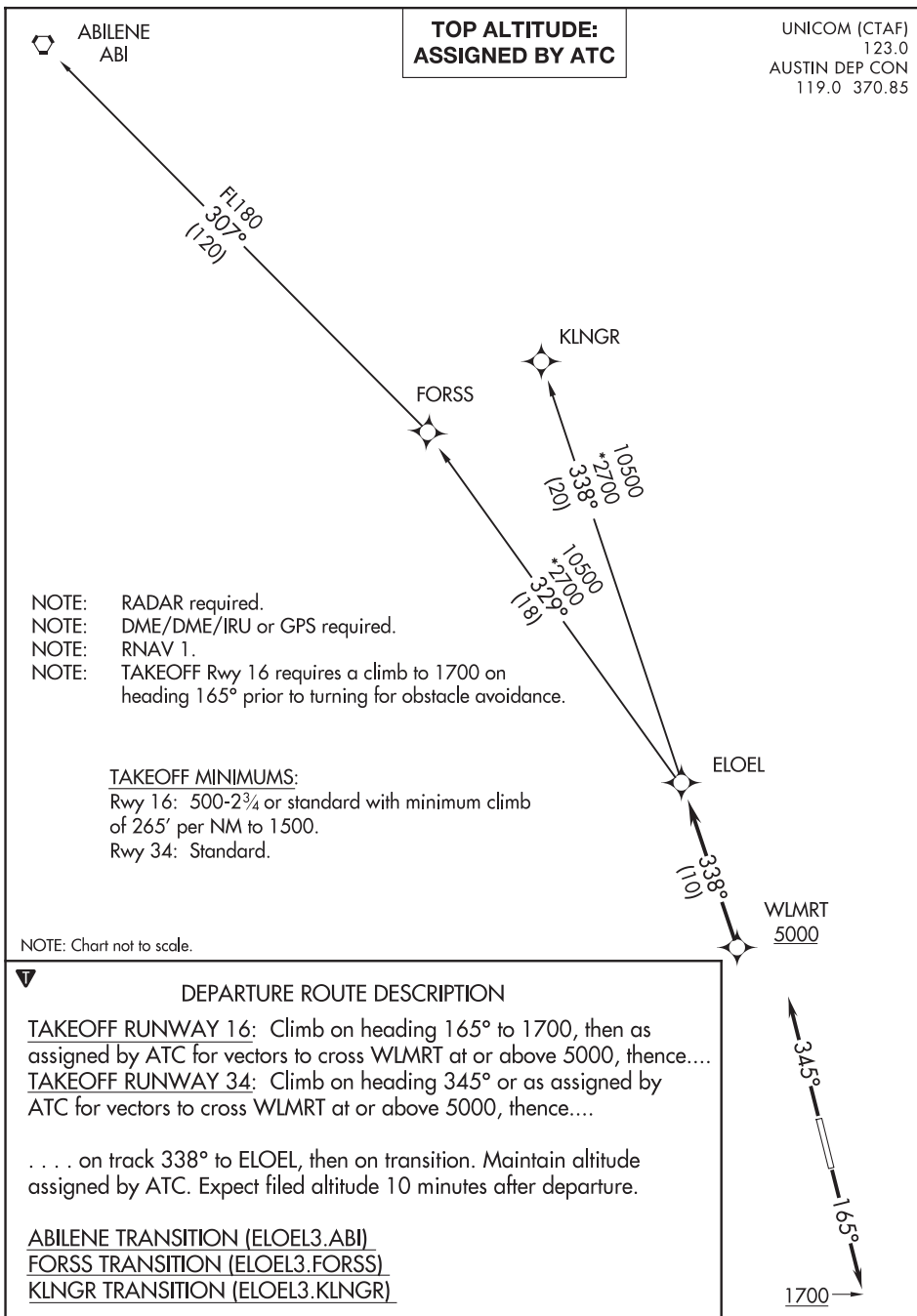
....on track 224° to BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

BNDIA THREE DEPARTURE (RNAV)
(BNDIA3.BNDIA) 22APR21

LAKEWAY, TEXAS
LAKEWAY AIRPARK (3R9)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



ELOEL THREE DEPARTURE (RNAV)

(ELOEL3.ELOEL) 22APR21

LAKEWAY, TEXAS

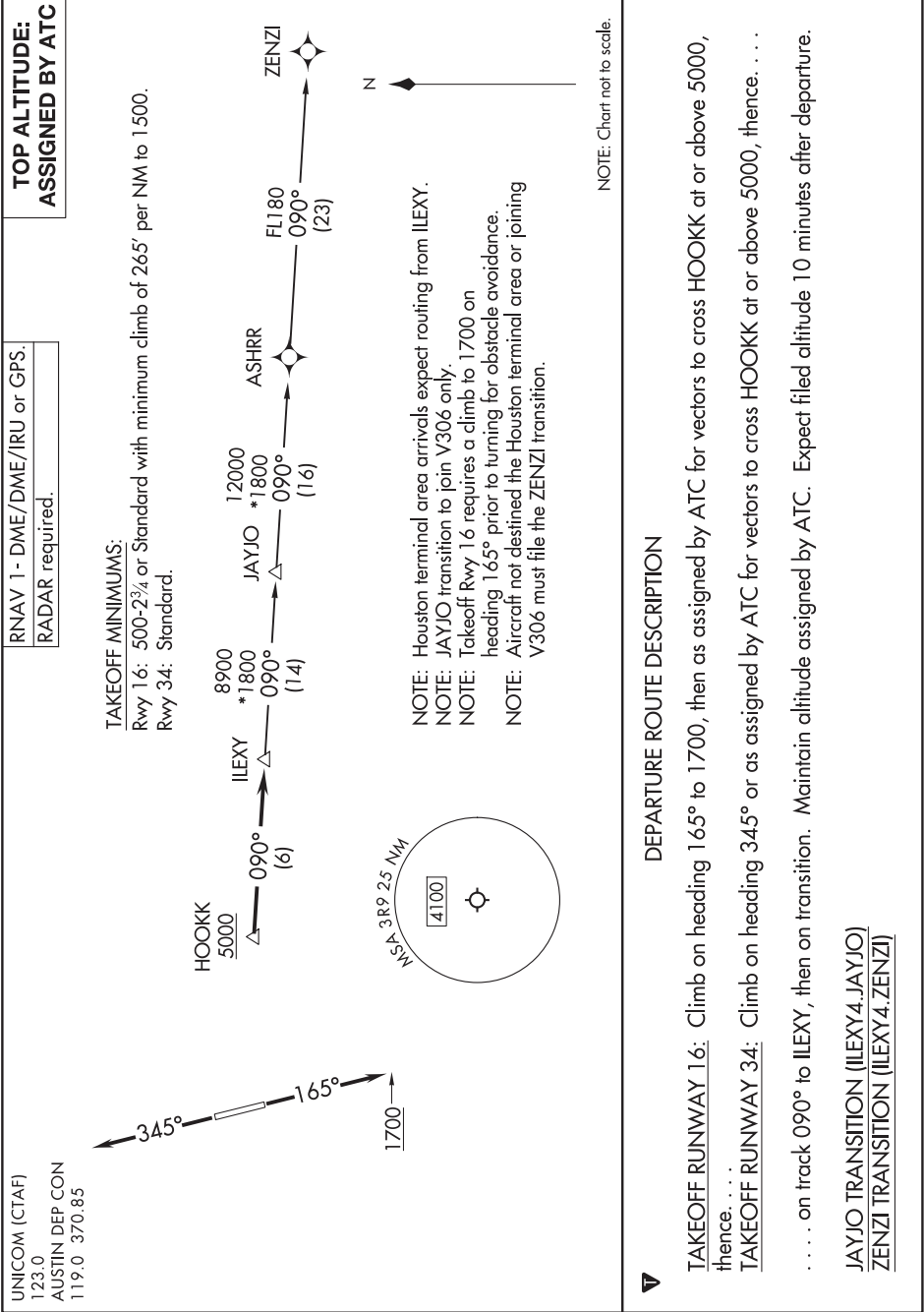
LAKEWAY AIRPARK (3R9)

(ILEXY4.ILEXY) 23166

ILEXY FOUR DEPARTURE (RNAV)

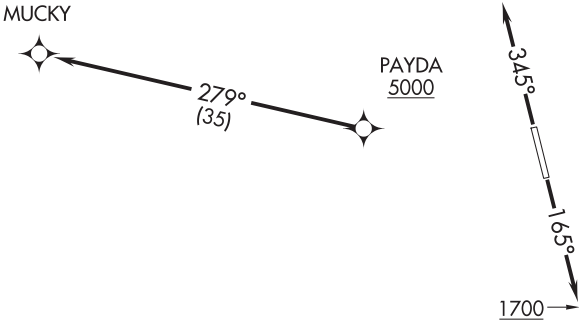
AL-6677 (FAA)

LAKEWAY AIRPARK (3R9)
LAKEWAY, TEXAS



UNICOM (CTAF)
123.0
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC



TAKEOFF MINIMUMS:
Rwy 16: 500-2¾ or standard with minimum climb
of 265' per NM to 1500.
Rwy 34: Standard.

- NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: TAKEOFF Rwy 16 requires a climb to 1700 on
heading 165° prior to turning for obstacle avoidance.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 165° to 1700, then as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . .
TAKEOFF RUNWAY 34: Climb on heading 344° or as assigned by ATC for vectors to cross PAYDA at of above 5000, thence
. . . . on track 279° to MUCKY. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

(SAYBR3.SAYBR) 21112

SAYBR THREE DEPARTURE (RNAV)

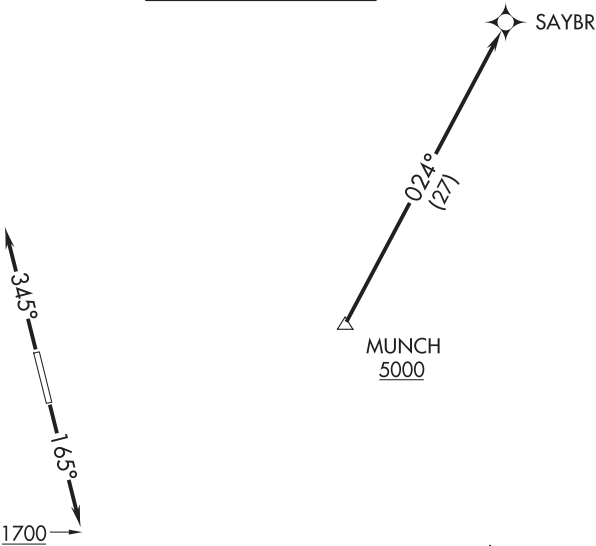
AL-6677 (FAA)

LAKEWAY AIRPARK (3R9)

LAKEWAY, TEXAS

UNICOM (CTAF)
123.0
AUSTIN DEP CON
119.0 370.85

TOP ALTITUDE:
ASSIGNED BY ATC



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: Takeoff Rwy 16 requires a climb to 1700 on heading 165° prior to turning for obstacle avoidance.
NOTE: For DFW terminal area arrivals at FL230 or below only.

TAKEOFF MINIMUMS

Rwy 34: Standard.
Rwy 16: 500-2¾ or standard with minimum climb of 265' per NM to 1500.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 165° to 1700, then as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .
TAKEOFF RUNWAY 34: Climb on heading 345° or as assigned by ATC for vectors to cross MUNCH at of above 5000, thence. . . .

. . . .on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

SAYBR THREE DEPARTURE (RNAV)

(SAYBR3.SAYBR) 22APR21

LAKEWAY, TEXAS

LAKEWAY AIRPARK (3R9)

APP CRS
343°

Rwy Idg
TDZE
1190

Apt Elev
1214

RNAV (GPS) RWY 34
LAMPASAS (LZZ)

RNP APCH - GPS.

Rwy 34 helicopter visibility reduction below ¾ SM NA.

Circling Rwy 16 NA at night.

MISSED APPROACH: Climb to 3100 direct AGJ VORTAC and hold, continue climb-in-hold to 3100.

AWOS-3 119.075	GRAY APP CON 120.075 323.15	UNICOM 122.8 (CTAF) 0
--------------------------	---------------------------------------	---------------------------------

3100

AGJ

HUGOD

CUDEG

RW34

1.3 NM to RW34

3.00° TCH 40

1.3 NM

3.7 NM

6.9 NM

4 NM Holding Pattern

163°

343°

6000

3200

CATEGORY	A	B	C	D
LNAV MDA	1620-1	430 (500-1)	1620-1¼ 430 (500-1¼)	NA
CIRCLING	1760-1 546 (600-1)	1880-1 666 (700-1)	1880-1¾ 666 (700-1¾)	NA

ELEV 1214

TDZE 1190

91

4202 X 75

34

343°

1 ASX UP

MIRL Rwy 16-34 0

LAMPASAS, TEXAS

Amdt 1 05SEP24

31°06'N-98°12'W

285

LAMPASAS (LZZ)

RNAV (GPS) RWY 34

LAMPASAS, TEXAS

AL-6267 (FAA)

22223

VORTAC AGJ	APP CRS	Rwy Idg	N/A
112.5	205°	TDZE	N/A
Chan 72		Apt Elev	1214

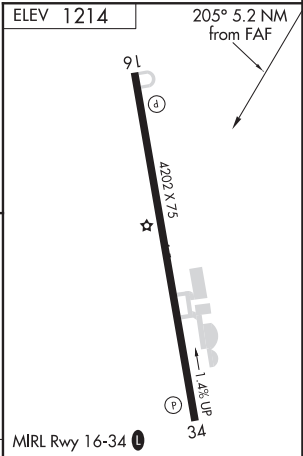
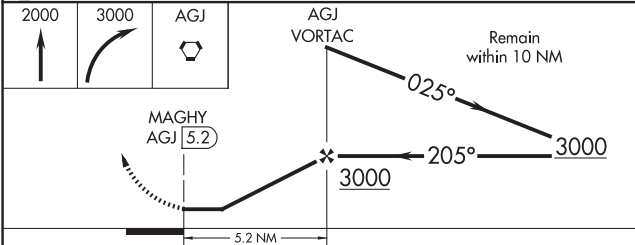
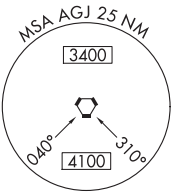
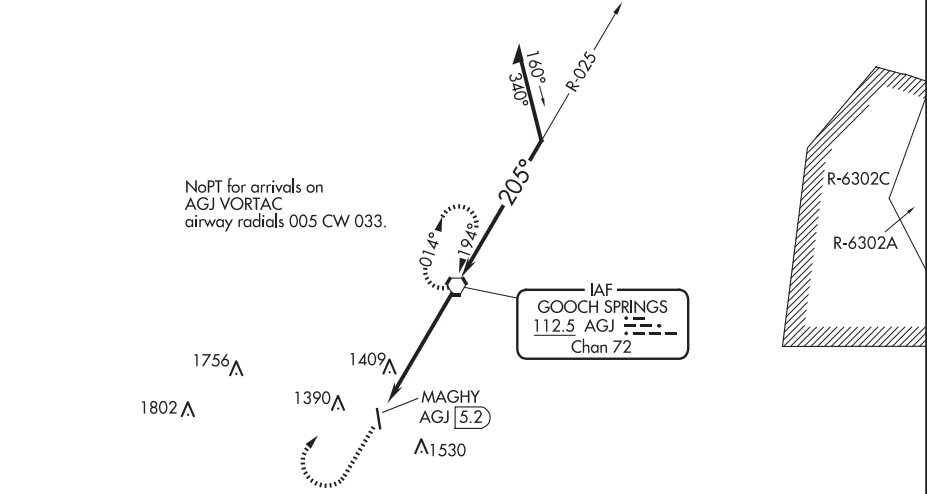
VOR-A
LAMPASAS (LZZ)

- ▼

▲
- When local altimeter setting not received, use Robert Gray AAF altimeter setting and increase all MDAs 80 feet and visibility Cat C ½ SM. Circling Rwy 16 NA at night. Rwy 16 helicopter visibility reduction below 1 SM NA.
- MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct AGJ VORTAC and hold.

AWOS-3	GRAY APP CON	UNICOM
119.075	120.075 323.15	122.8 (CTAF) ①

▲ 2132



CATEGORY	A	B	C	D	FAF to MAP 5.2 NM					
CIRCLING	1680-1 466 (500-1)	1880-1 666 (700-1)	1880-1¾ 666 (700-1¾)	NA	Knots	60	90	120	150	180
					Min:Sec	5:12	3:28	2:36	2:05	1:44

LAMPASAS, TEXAS
Amdt 4B 11AUG22

31°06'N-98°12'W

LAMPASAS (LZZ)
VOR-A

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS or LOC RWY 18R
LAREDO INTL (LRD)

ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER ★ 120.1(CTAF) 0 257.9	GND CON 121.8	UNICOM 122.95
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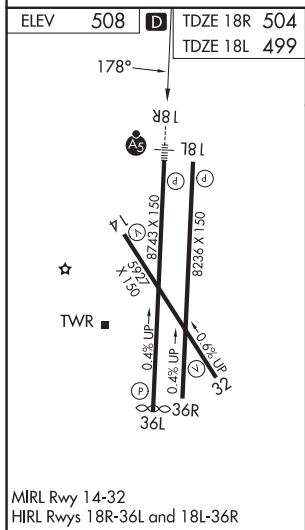


Diagram illustrating a VGSJ and ILS glidepath not coincident (VGSJ Angle 3.00°/TCH 50). The diagram shows a horizontal line representing the ILS glidepath at 3.00° TCH 57. A dashed line represents the VGSJ glidepath, which is higher than the ILS glidepath. The VGSJ angle is 3.00°/TCH 50. The diagram includes various distance markers: 1.2 NM, 1.1 NM, and 3.3 NM. It also shows a 358° angle and a 178° angle. A note says "Remain within 15 NM". A note says "Use I-LRD DME when on the localizer course." A note says "*LOC only". A note says "*I-LRD 1.5". A note says "*I-LRD 2.7". A note says "ICANU I-LRD 3.7". A note says "JINSA I-LRD 7". A note says "VGSJ and ILS glidepath not coincident (VGSJ Angle 3.00°/TCH 50)". A note says "LKD ELKOS LRD 15". A note says "R-132". A note says "1100". A note says "2500". A note says "2300". A note says "1260*". A note says "2300". A note says "2300". A note says "GS 3.00° TCH 57".

LAREDO, TEXAS

AL-226 (FAA)

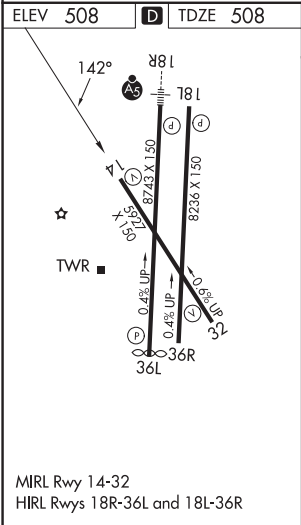
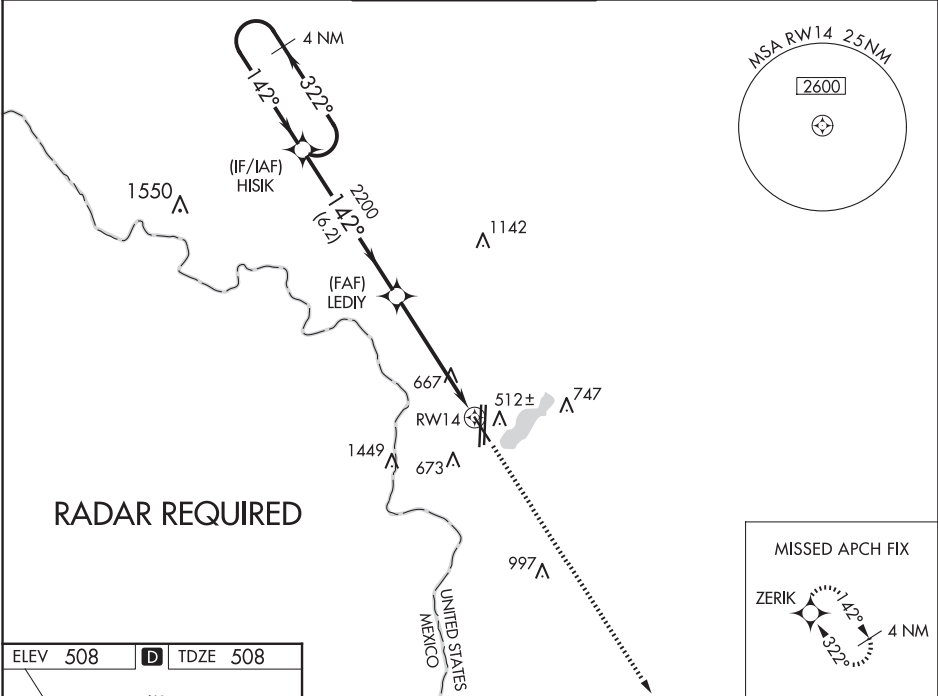
25163

WAAS CH 65841 W14A	APP CRS 142°	Rwy Ldg TDZE 508 Apt Elev 508
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RNAV (GPS) RWY 14
LAREDO INTL (L.R.D)

 	For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1°C (34°F) or above 54°C (130°F). Circling NA west of Rwy 14 and 36L. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 2500 direct ZERIK and hold.
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ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER ★ 120.1(CTAF) 257.9	GND CON 121.8	UNICOM 122.95
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4 NM Holding Pattern		HISIK		LEDIY		RWY 14	
3000		322°		142°		2200	
GP 3.00°		TCH 55		2200		2200	
6.2 NM		3.9 NM		1.3			
CATEGORY	A	B	C	D	E		
LPV DA	758-3/4 250 (300-3/4)						
LNAV/VNAV DA	810-7/8 302 (400-7/8)						
LNAV MDA	960-1	452 (500-1)	960-1 3/8 452 (500-1 3/8)				
CIRCLING	960-1 452 (500-1)	980-1 472 (500-1)	1100-1 1/2 592 (600-1 1/2)	1200-2 1/4 692 (700-2 1/4)	1200-2 1/2 692 (700-2 1/2)		

LAREDO, TEXAS
Amdt 1 01FEB18

27°33'N-99°28'W

LAREDO INTL (L.R.D)
RNAV (GPS) RWY 14

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS Ch 77899 W18B	APP CRS 178°	Rwy Ldg TDZE 499 Apt Elev 508	RNAV (GPS) RWY 18L LAREDO INTL (L.R.D)
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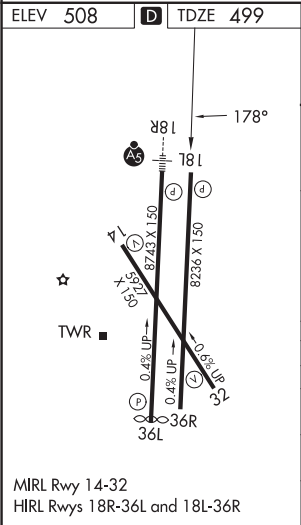
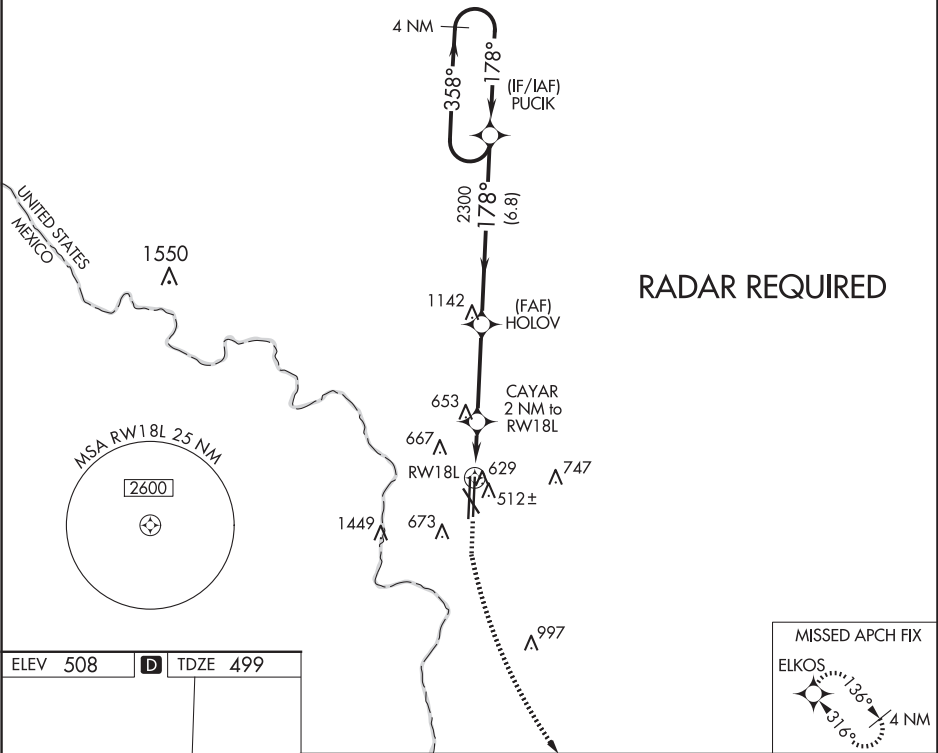
T

A

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1°C (34°F) or above 54°C (130°F).
Circling NA west of Rwy 14 and 36L. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2500 then climbing left turn to 2500 direct ELKOS and hold.

ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER ★ 120.1(CTAF) 257.9	GND CON 121.8	UNICOM 122.95
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1000	2500	ELKOS	HOLOV	PUCK	4 NM Holding Pattern
*LNAV only	CAYAR 2 NM to RW18L	*1 NM to RW18L	2300	358°	3000
RW18L	1180*	2300	178°	178°	GP 3.00° TCH 51
1 NM	1 NM	3.5 NM	6.8 NM		
CATEGORY	A	B	C	D	E
LPV DA	699-3/4 200 (200-3/4)				
LNAV/VNAV DA	810-7/8 311 (400-7/8)				
LNAV MDA	880-1	381 (400-1)	880-1 1/8	381 (400-1 1/8)	
C CIRCLING	940-1 432 (500-1)	980-1 472 (500-1)	1100-1 1/2 592 (600-1 1/2)	1200-2 1/4 692 (700-2 1/4)	1200-2 1/2 692 (700-2 1/2)

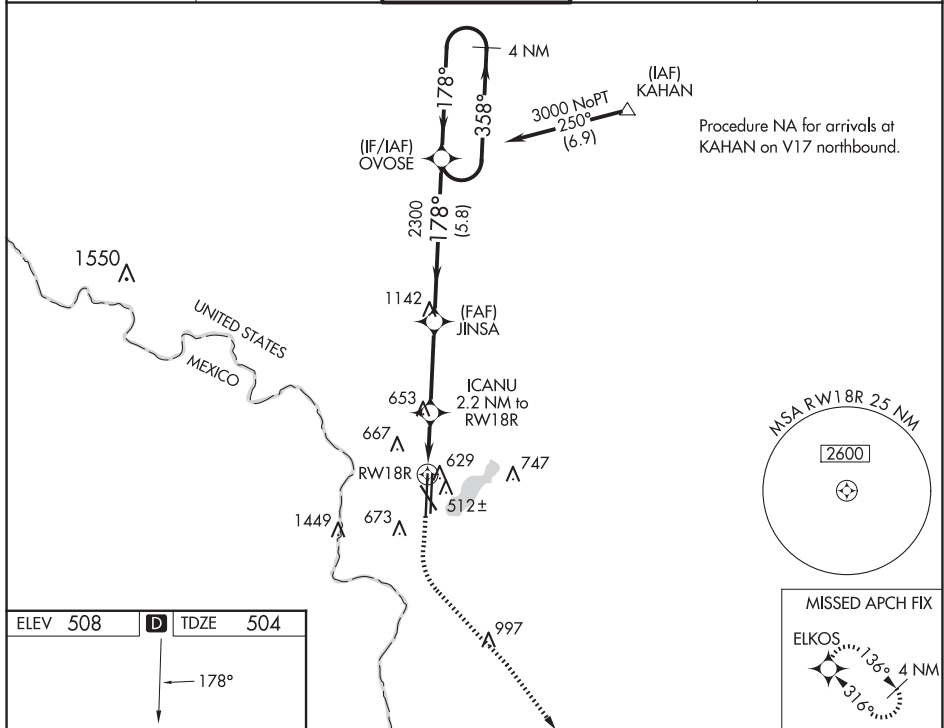
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

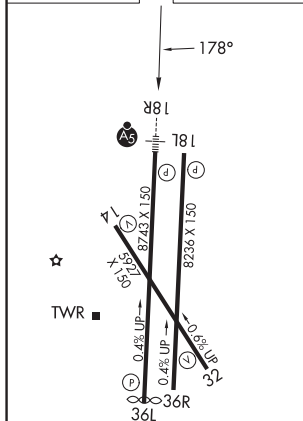
RNAV (GPS) RWY 18R
LAREDO INTL (LRD)

MALSR 	MISSED APPROACH: Climb to 1000 then climbing left turn to 2500 direct ELKOS and hold.
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ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER* 120.1(CTAF) 0 257.9	GND CON 121.8	UNICOM 122.95
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ELEV 508	D	TDZE 504
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MIRL Rwy 14-32
HIRL Rwys 18R-36L and 18L-36R

1000 ↑	2500 ↘	ELKOS ✦	VGS1 and RNAV glidepath not coincident (VGS1 Angle 3.00/TCH 50).		4 NM Holding Pattern
* LNAV only		ICANU 2.2 NM to RW18R	JINSA 2300	OV05E	358° → 3000 ← 178°
RW18R		* 1 NM to RW18R	* 1260	2300	GP 3.00° TCH 57
1 NM		1.2	3.3 NM	5.8 NM	
CATEGORY	A	B	C	D	E
LPV DA	704-½		200 (200-½)		
LNAV/ VNAV DA	810-½		306 (400-½)		
LNAV MDA	880-½ 376 (400-½)		880-⅝ 376 (400-⅝)		
C CIRCLING	940-1 432 (500-1)	980-1 472 (500-1)	1100-1½ 592 (600-1½)	1200-2¼ 692 (700-2¼)	1200-2½ 692 (700-2½)

LAREDO, TEXAS

AL-226 (FAA)

25163

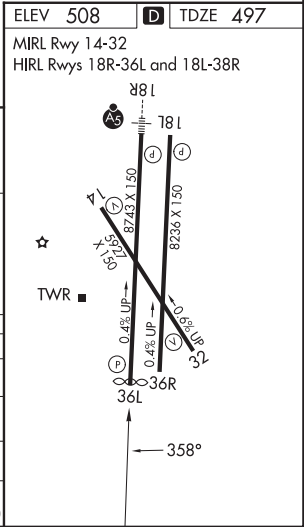
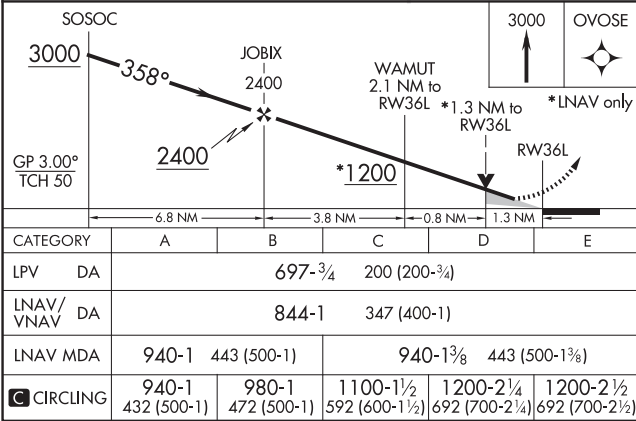
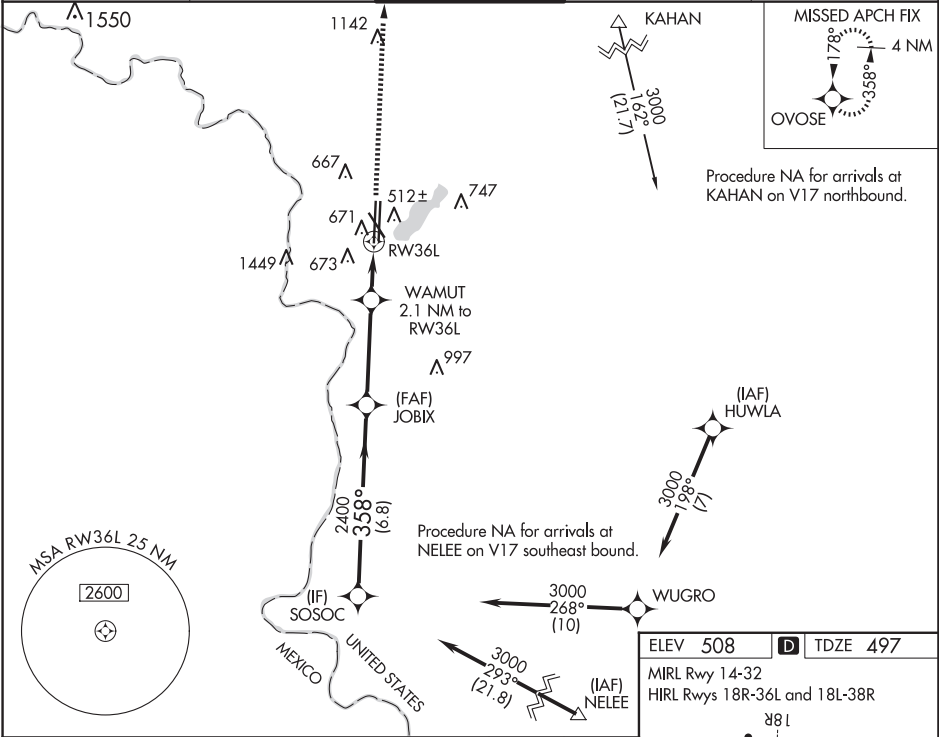
WAAS CH 77933 W36A	APP CRS 358°	Rwy Ldg 8623 TDZE 497 Apt Elev 508
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RNAV (GPS) RWY 36L
LAREDO INTL (L.R.D)

▽ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1°C (34°F) or above 54°C (130°F). Circling NA west of Rwy 14 and 36L. DME/DME RNP-0.3 NA.

▲ MISSED APPROACH: Climb to 3000 direct OVOSE and hold.

ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER ★ 120.1 (CTAF) 0 257.9	GND CON 121.8	UNICOM 122.95
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LAREDO, TEXAS
Amdt 3 01FEB18

27°33'N-99°28'W

LAREDO INTL (L.R.D)
RNAV (GPS) RWY 36L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

LOC/DME I-LRD 111.9 Chan 56	APP CRS 358°	Rwy Ldg TDZE Apt Elev 8623 497 508	LOC BC RWY 36L LAREDO INTL (L.RD)
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T

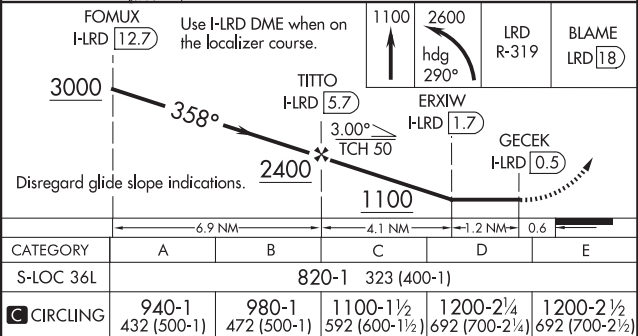
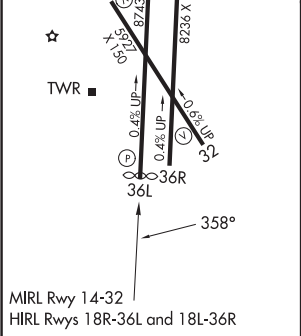
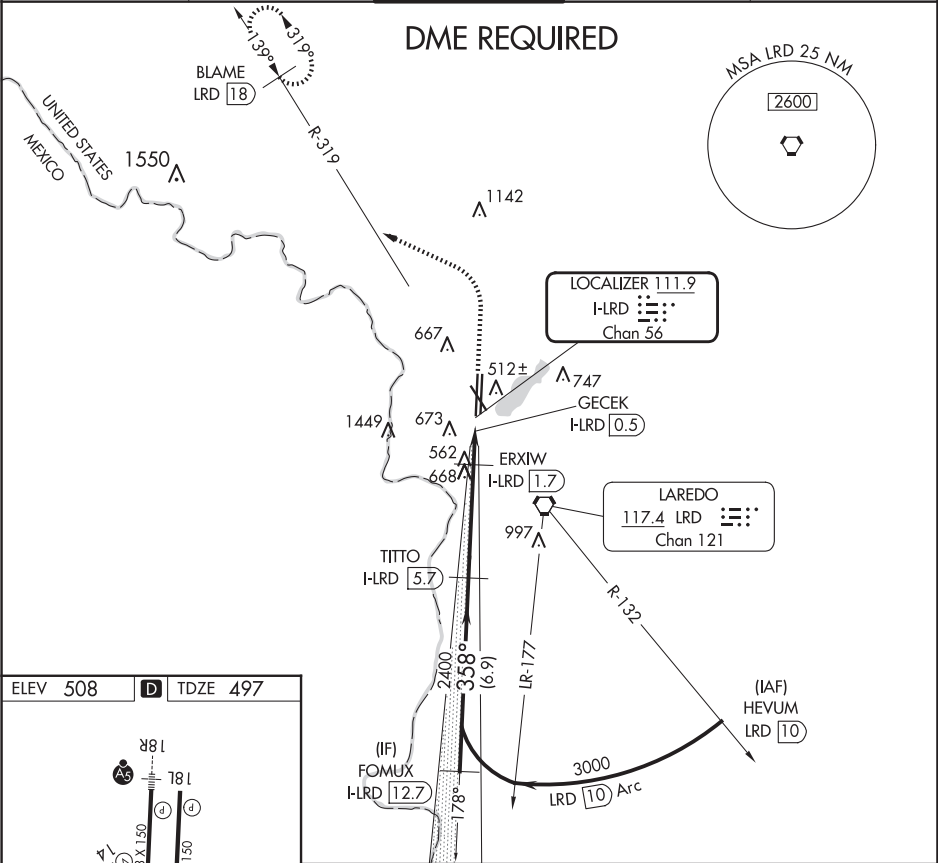
Circling NA west of Rwys 14 and 36L.

A

DME required.

MISSED APPROACH: Climb to 1100 then climbing left turn to 2600 on heading 290° and on LRD VORTAC R-319 to BLAME/LRD 18 DME and hold.

ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER ★ 120.1(CTAF) 257.9	GND CON 121.8	UNICOM 122.95
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SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

LAREDO, TEXAS

AL-226 (FAA)

25163

VORTAC LRD	APP CRS	Rwy Ldg	5927
117.4	139°	TDZE	508
Chan 121		Apt Elev	508

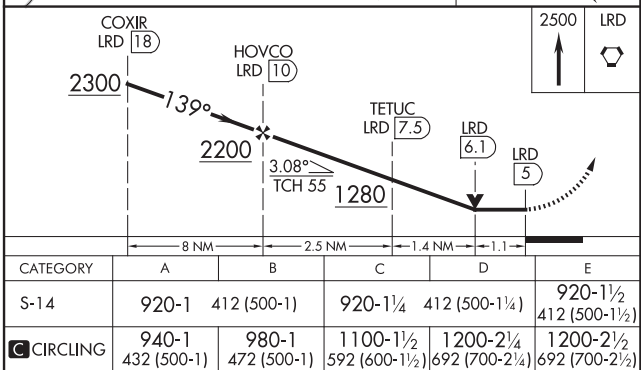
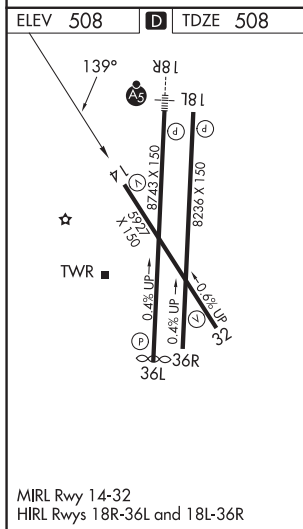
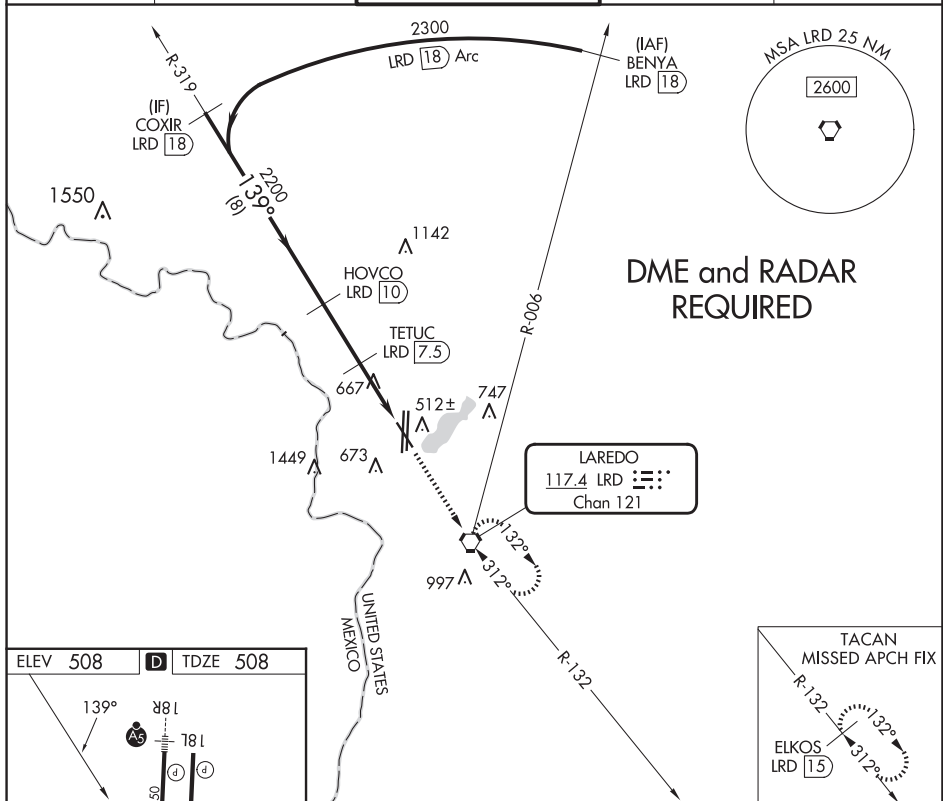
VOR or TACAN RWY 14

LAREDO INTL (LRD)

V Circling NA west of Rwy 14 and 36L.
A DME required.

MISSED APPROACH: Climb to 2500 direct LRD VORTAC and hold, continue climb-in-hold to 2500 (TACAN aircraft continue on LRD VORTAC R-132 to ELKOS/15 DME and hold SE, right turn, 312° inbound).

ATIS	HOUSTON CENTER	LAREDO TOWER ★	GND CON	UNICOM
125.775	127.8 307.2	120.1 (CTAF) 0 257.9	121.8	122.95



LAREDO, TEXAS
Amdt 10A 01MAR18

27°33'N-99°28'W

LAREDO INTL (LRD)

VOR or TACAN RWY 14

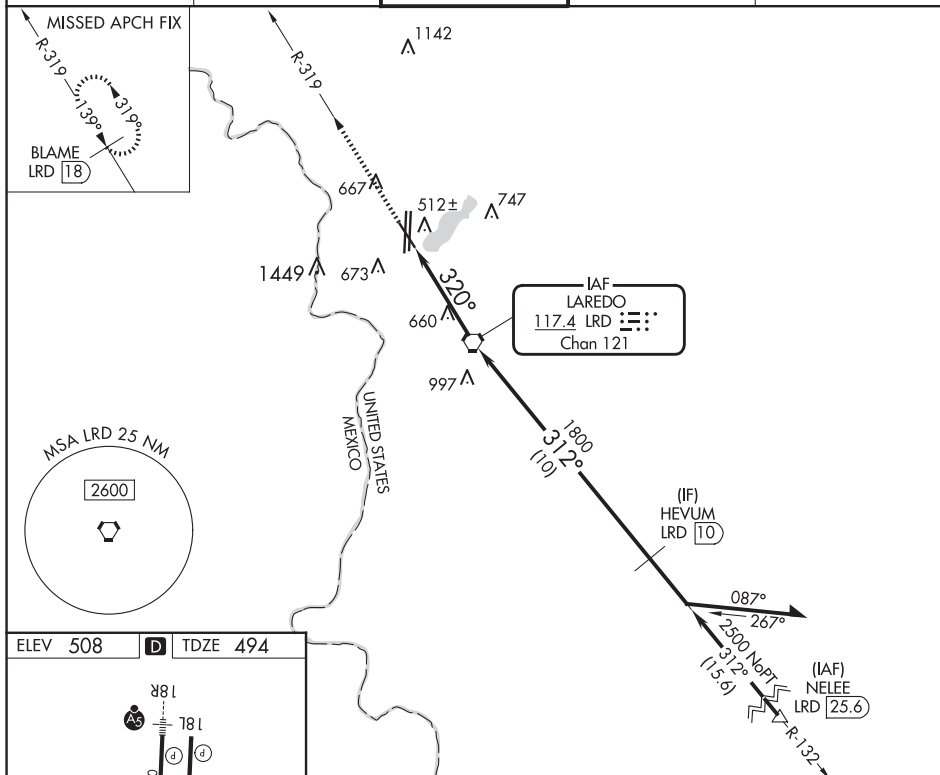
VORTAC LRD 117.4 Chan 121	APP CRS 320°	Rwy Ldg 5927 TDZE 494 Apt Elev 508
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VOR or TACAN RWY 32
LAREDO INTL (LRD)

T Circling NA west of Rwy 14 and 36L. Rwy 32 helicopter
A visibility reduction below $\frac{3}{4}$ SM NA. DME required.

MISSED APPROACH: Climb to 2600 on LRD VORTAC R-319 to BLAME/LRD 18 DME and hold.

ATIS 125.775	HOUSTON CENTER 127.8 307.2	LAREDO TOWER ★ 120.1 (CTAF) 0 257.9	GND CON 121.8	UNICOM 122.95
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MIRM Rwy 14-32
HIRL Rwy 18R-36L and 18L-36R

2600
R-319
BLAME LRD 18

LRD 2.8
LRD 4

3.01°
TCH 55

LRD VORTAC

732°
312°
2500
1800

Remain within 15 NM

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 71).

CATEGORY	A	B	C	D	E
S-32	920-1	426 (500-1)	920-1¼	426 (500-1¼)	

	940-1 432 (500-1)	980-1 472 (500-1)	1100-1½ 592 (600-1½)	1200-2¼ 692 (700-2¼)	1200-2½ 692 (700-2½)
C CIRCLING					



25163

AIRPORT DIAGRAM

AL-226 (FAA)

LAREDO INTL (L.R.D)

LAREDO, TEXAS

ATIS
125.775
LAREDO TOWER ★
120.1 (CTAF) 
257.9
GND CON
121.8


99°28'W

99°27'W

HIRL Rwy 18R-36L and 18L-36R
MIRL Rwy 14-32

FIELD
ELEV
508

CARGO
HANGARS

GENERAL
AVIATION
HANGAR

BORDER
PATROL

TWR

FBO

US
CUSTOMS

HANGARS

FBO

FREIGHT
WAREHOUSES

ELEV
504

ELEV
499

JANUARY 2025
ANNUAL RATE OF CHANGE
0.1° W



27°33'N

AIR CARGO

TERMINAL

FIRE STATION

RWY 14-32
PCR 98 R/D/W/T
S-50, D-60, 2D-125
RWY 18L-36R
PCR 600 R/D/W/T
S-90, D-190, 2D-360
RWY 18R-36L
PCR 684 R/D/W/T
S-90, D-190, 2D-415, 2D/2D2-820

ELEV
467

27°32'N

ELEV
484

EMAS

CAUTION: BE ALERT TO
RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY
HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

25163

LAREDO, TEXAS

LAREDO INTL (L.R.D)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

DEL RIO, TEXAS

ILS or LOC/DME Y RWY 13C

LOC I-DLF <u>110.3</u>	APCH CRS 128°	Rwy Idg 8852 8316 6571 TDZE 1082 1078 1077 Arpt Elev 1082
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[USAF]

LAUGHLIN AFB (KDLF)

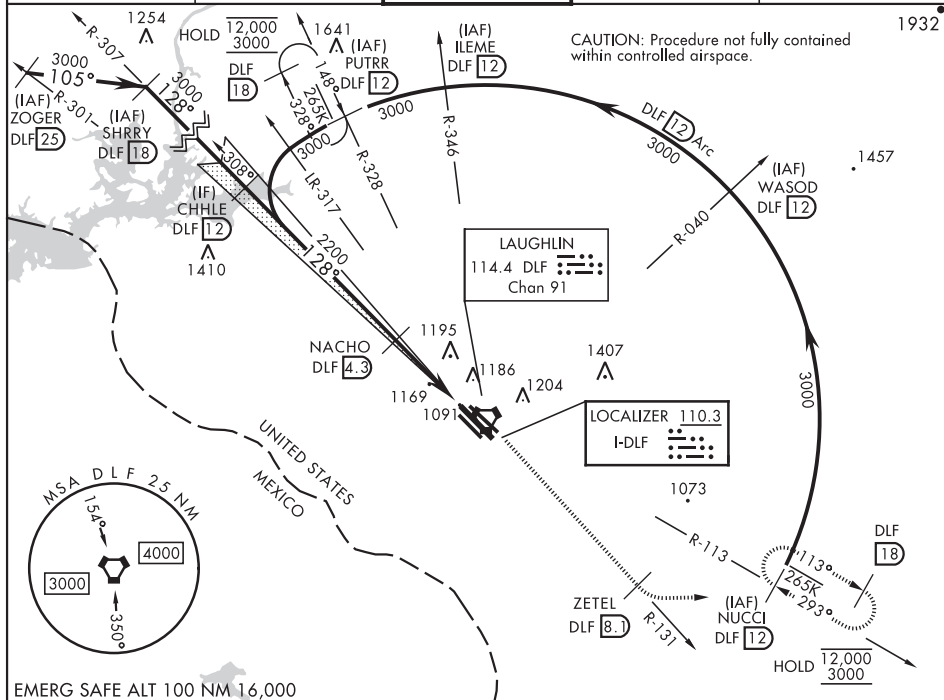
- T** * When ALS inop, increase RVR to 40 and vis to $\frac{3}{4}$ mile.
 ** When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE RVR to 50 and vis to 1 mile.
 *** Circling W of Rwy 13R-31L not authorized.

ALSF-1

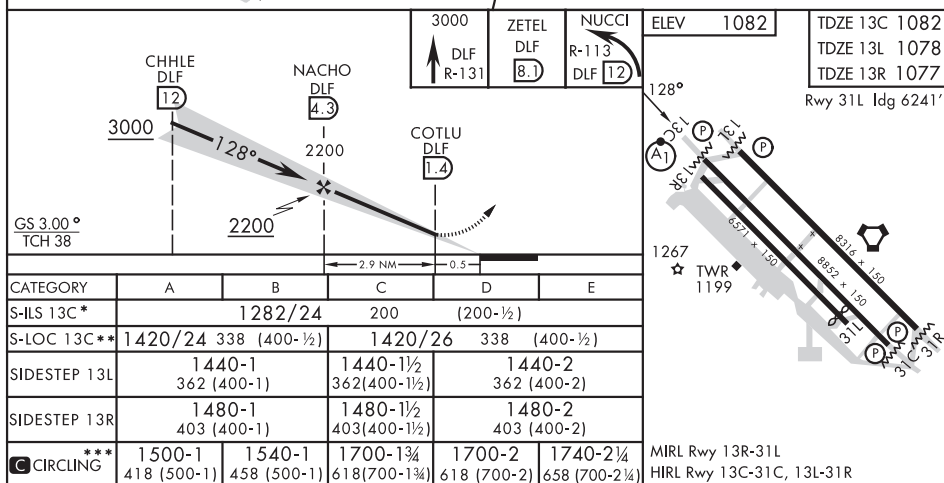


MISSED APPROACH: Climb to 3000 on DLF
VORTAC R-131 to 8.1 DME (ZETEL), then turn left to
intercept DLF R-113 to 12 DME (NUCCI) and hold.

ATIS ★ 114.4 269.9	DEL RIO APP CON 119.6 259.1	TOWER ★ 125.2 307.375	GND CON 275.8	CLNC DEL 120.5 335.8
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EMERG SAFE ALT 100 NM 16,000



DEL RIO, TEXAS

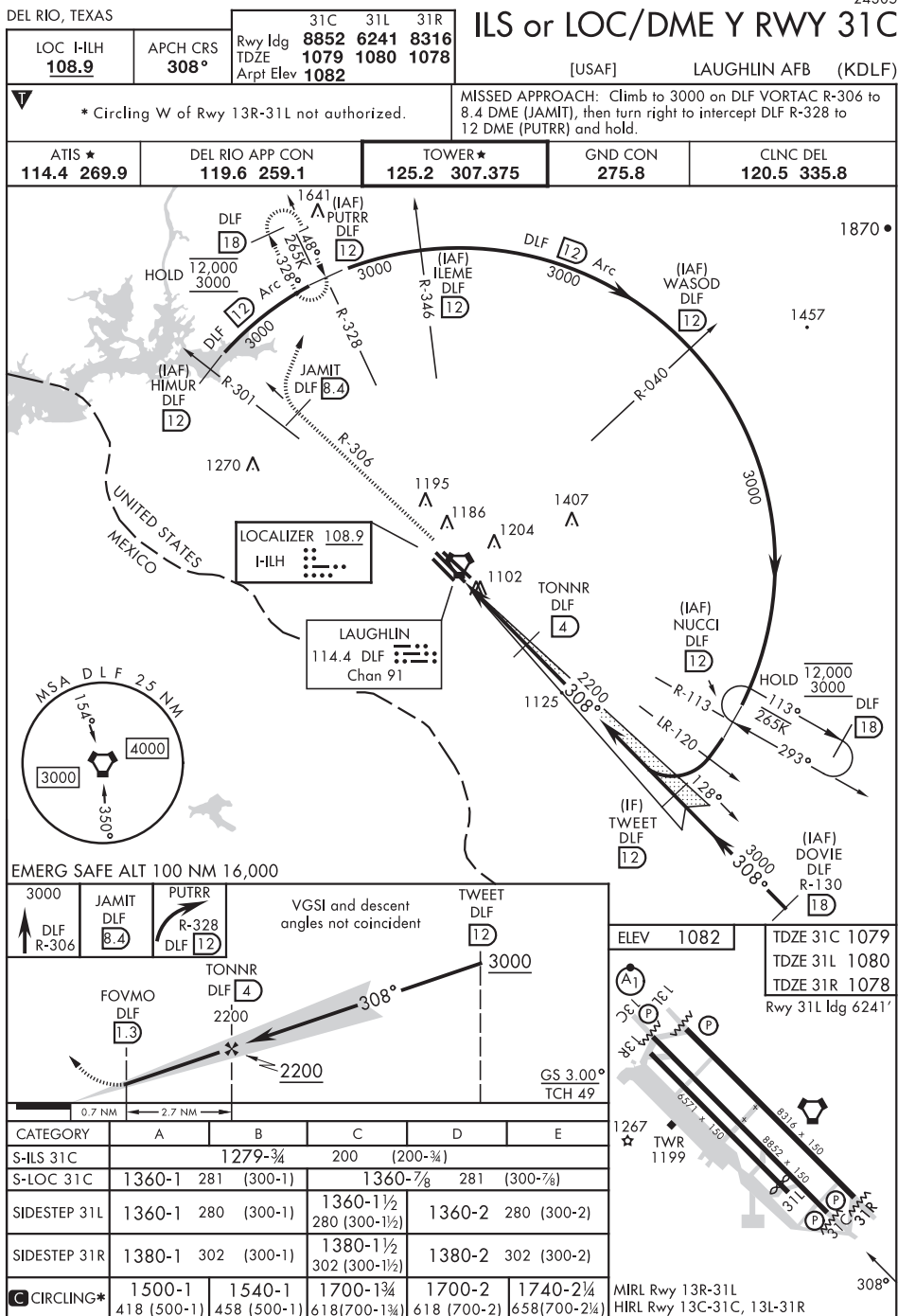
29°22'N-100°47'W

LAUGHLIN AFB (KDLF)

Amdt 6 20FEB25

ILS or LOC/DME Y RWY 13C

DEL RIO, TEXAS



DEL RIO, TEXAS

29°22'N-100°47'W

LAUGHLIN AFB (KDLF)

Amdt 6 05OCT23

ILS or LOC/DME Y RWY 31C

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 13C

- (USAF)

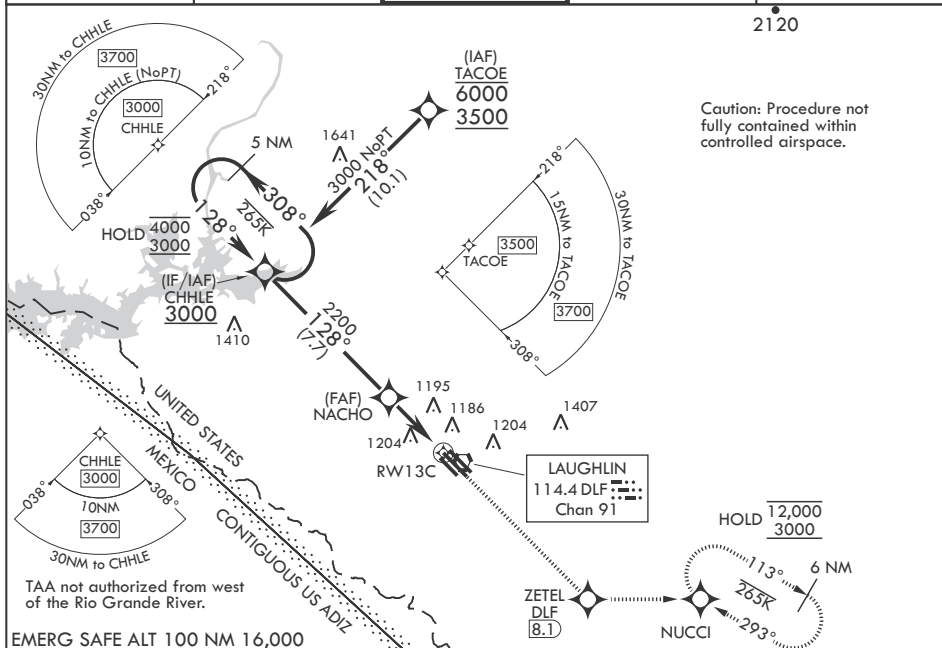
LAUGHLIN AFB (KDLF)

Rwy 130

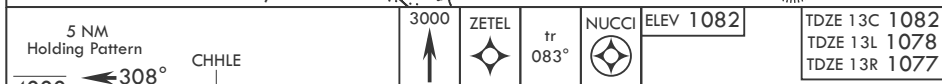
MISSED APPROACH: Climb to 3000 direct ZETEL, then track 083° to NUCCI and hold.

T * When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1 1/4 miles.
** Circling SW of Rwy 13R-31L not authorized.

ALSF-1

CLNC DEL
120.5 335.8

EMERG SAFE ALT 100 NM 16.000



CATEGORY	A	B	C	D	E
LNAV MDA*	1440/24 358 (400-½)	1440/30 358 (400-½)	1440-1½ 362 (400-1½)	1440-2 362 (400-2)	
SIDESTEP 13L	1440-1 362 (400-1)		1480-1½ 403 (400-1½)	1480-2 403 (400-2)	
SIDESTEP 13R	1480-1 403 (400-1)		1700-1¼ 618 (700-1¼)	1700-2 618 (700-2)	1740-2¼ 658 (700-2¼)

* CIRCLING**

1500-1 418 (500-1) 1540-1 458 (500-1)

29°22'N - 100°47'W

LAUGHLIN AFB (KDLEF)

Amdt 4 20FEB25

RNAV (GPS) RWY 13C

SC-3, 12 JUN 2025 to 07 AUG 2025

DEL RIO, TEXAS

RNAV (GPS) RWY 31C

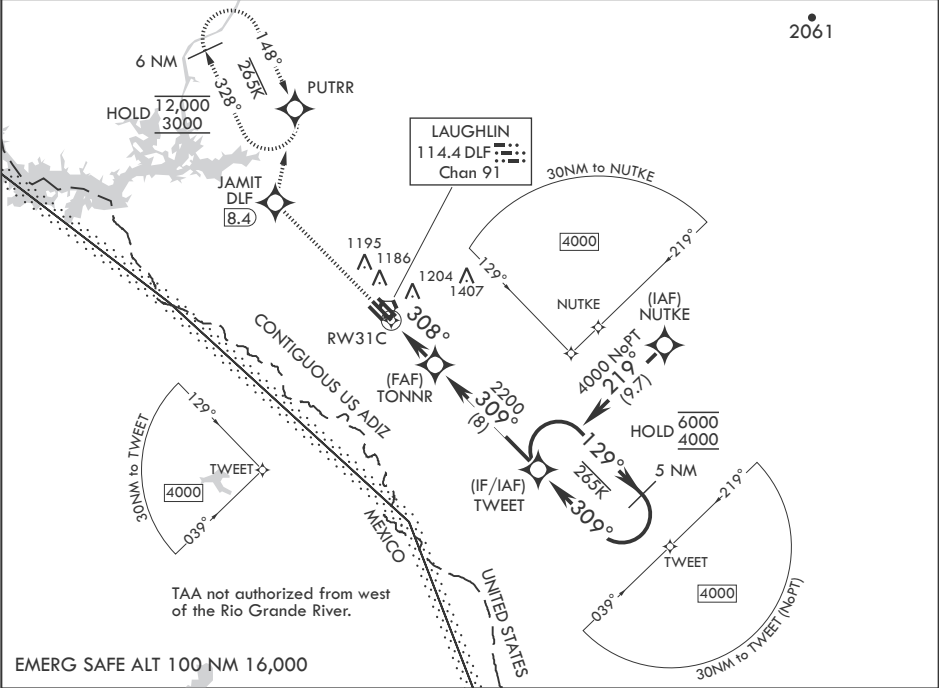
	31C	31L	31R
APCH CRS	308°		
Rwy Idg	8852	6241	8316
TDZE	1079	1080	1078
Arprt Elev	1082		

- (USAF)

LAUGHLIN AFB (KDLF)

RNP APCH - GPS	MISSED APPROACH: Climb to 3000 direct JAMIT, then track 005° to PUTRR and hold.
* Circling not authorized SW of Rwy 13R-31L.	

ATIS★ 114.4 269.9	DEL RIO APP CON 119.6 259.1	TOWER★ 125.2 307.375	GND CON 275.8	CLNC DEL 120.5 335.8
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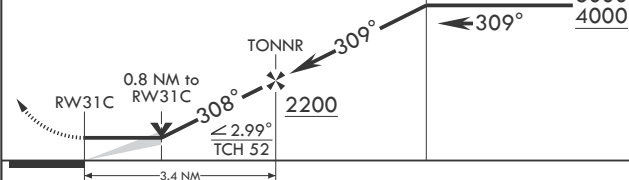


3000

JAMIT

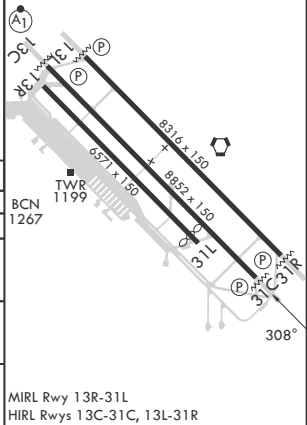
tr 005°

PUTRR



ELEV 1082	TDZE 31C 1079
Rwy 31L Idg 6241'	TDZE 31L 1080
	TDZE 31R 1078

CATEGORY	A	B	C	D	E
LNAV MDA	1380-1 301 (300-1)		1380-7/8 301 (300-7/8)		
SIDESTEP31R	1380-1 302 (300-1)		1380-1 1/2 302 (300-1 1/2)	1380-2 302 (300-2)	
SIDESTEP31L	1420-1 340 (400-1)		1420-1 1/2 340 (400-1 1/2)	1420-2 340 (400-2)	
CIRCLING*	1500-1 418 (500-1)	1540-1 458 (500-1)	1700-1 1/4 618 (700-1 1/4)	1700-2 618 (700-2)	1740-2 1/4 658 (700-2 1/4)



DEL RIO, TEXAS

29°22'N - 100°47'W

LAUGHLIN AFB (KDLF)

Amdr 4 31OCT24

RNAV (GPS) RWY 31C

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) B

APCH CRS	Rwy ldg	N/A
340°	TDZE	N/A
	Arprt Elev	1082

- (USAF)

LAUGHLIN AFB (KDLF)

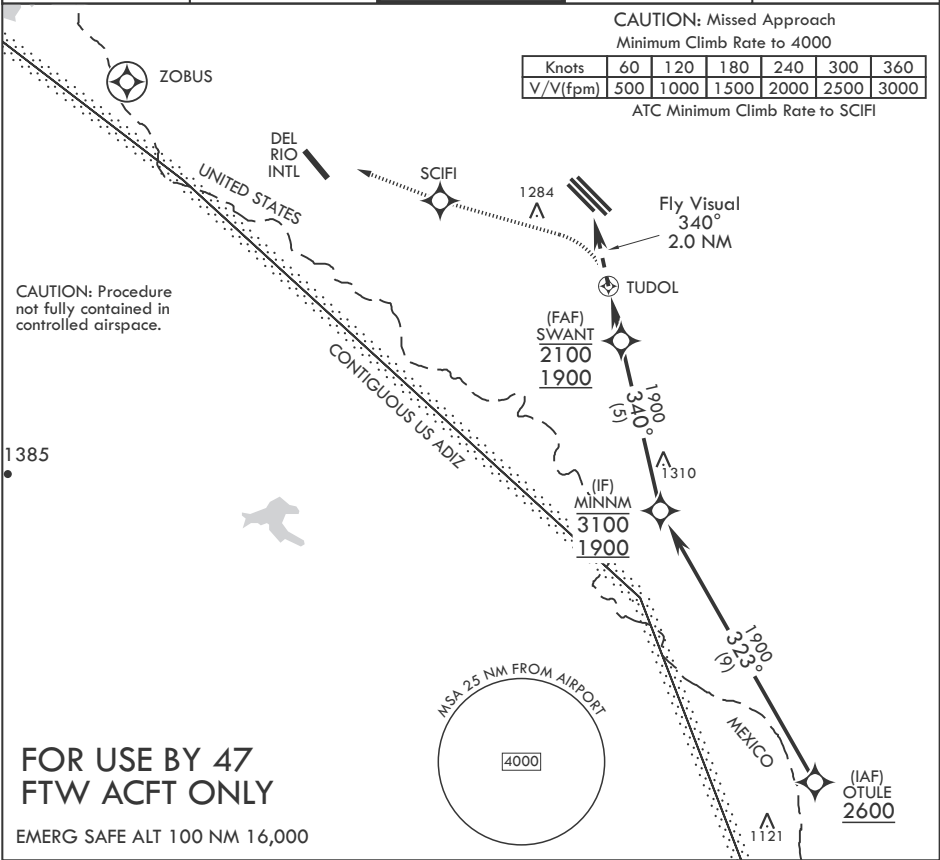
RNP APCH - GPS	MISSED APPROACH: Climbing left turn to 4000 direct ZOBUS, cross SCIFI at 4000, expect radar vectors.
RADAR required	
* Circling not authorized in sector NE of Rwy 13R-31L.	

ATIS★ 114.4 269.9	DEL RIO APP CON 119.6 259.1	TOWER★ 125.2 307.375	GND CON 275.8	CLNC DEL 120.5 335.8
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CAUTION: Missed Approach
Minimum Climb Rate to 4000

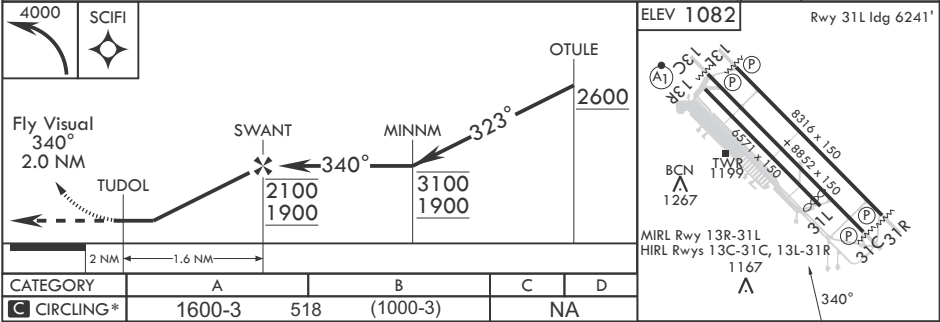
Knots	60	120	180	240	300	360
V/V(fpm)	500	1000	1500	2000	2500	3000

ATC Minimum Climb Rate to SCIFI



FOR USE BY 47
FTW ACFT ONLY


EMERG SAFE ALT 100 NM 16,000

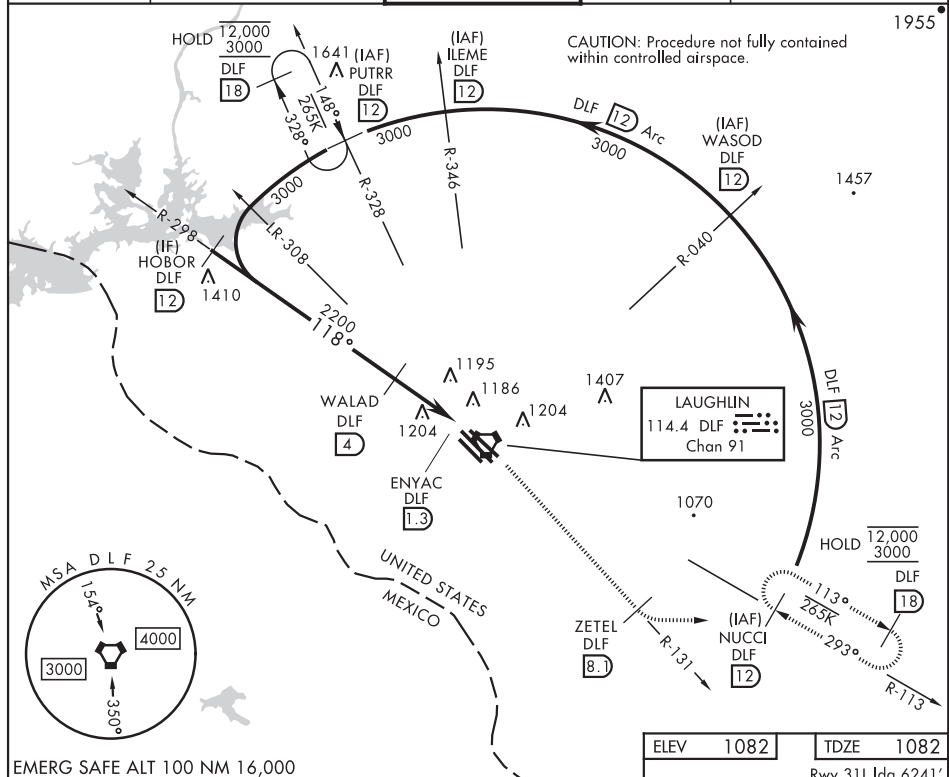


RNAV (GPS) B

DEL RIO, TEXAS

VOR/DME RWY 13C

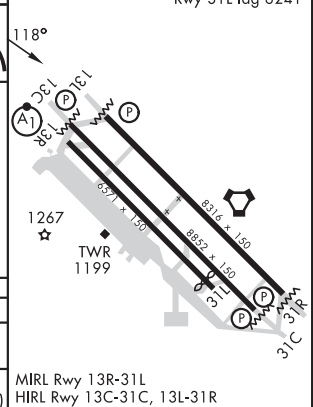
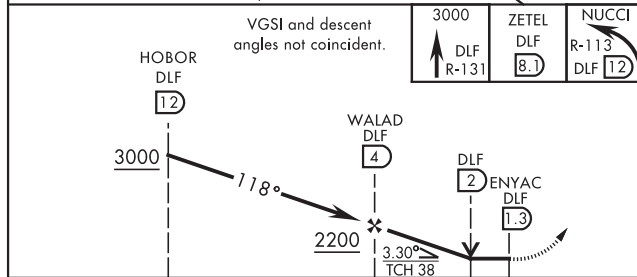
VORTAC DLF 114.4 Chan 91		APCH CRS 118°		Rwy Idg 8852 TDZE 1082 Arpt Elev 1082		[USAF]		LAUGHLIN AFB (KDLF)	
<p>▼ When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE RVR to 60 and vis to 1 1/2 miles. ** Circling not authorized in sector SW of Rwy 13R-31L.</p>						<p>ALSF-1 </p>		<p>MISSED APPROACH: Climb to 3000 on DLF VORTAC R-131 to 8.1 DME (ZETEL), then turn left to intcpt DLF R-113 to 12 DME (NUCCI) and hold.</p>	
<p>ATIS ★ 114.4 269.9</p>		<p>DEL RIO APP CON 119.6 259.1</p>		<p>TOWER ★ 125.2 307.375</p>		<p>GND CON 275.8</p>		<p>CLNC DEL 120.5 335.8</p>	



EMERG SAFE ALT 100 NM 16,000

ELEV	1082	TDZE	1082
		Rwy 31L Idg 6241'	

Rwy 31L Idg 6241'



CATEGORY	A	B	C	D	E
S-13C *	1480/24 398 (400-½)		1480/40	398	(400-¾)
C CIRCLING*	1500-1 418 (500-1)	1540-1 458 (500-1)	1700-1½ 618(700-1¾)	1700-2 618 (700-2)	1740-2½ 658(700-2½)

DEL RIO, TEXAS
Amdt 4 20FEB25

29°22'N-100°47'W

LAUGHLIN AFB (KDLEF)

VOR/DME RWY 13C

SC-3, 12 JUN 2025 to 07 AUG 2025

DEL RIO, TEXAS

24305

VOR/DME RWY 31C

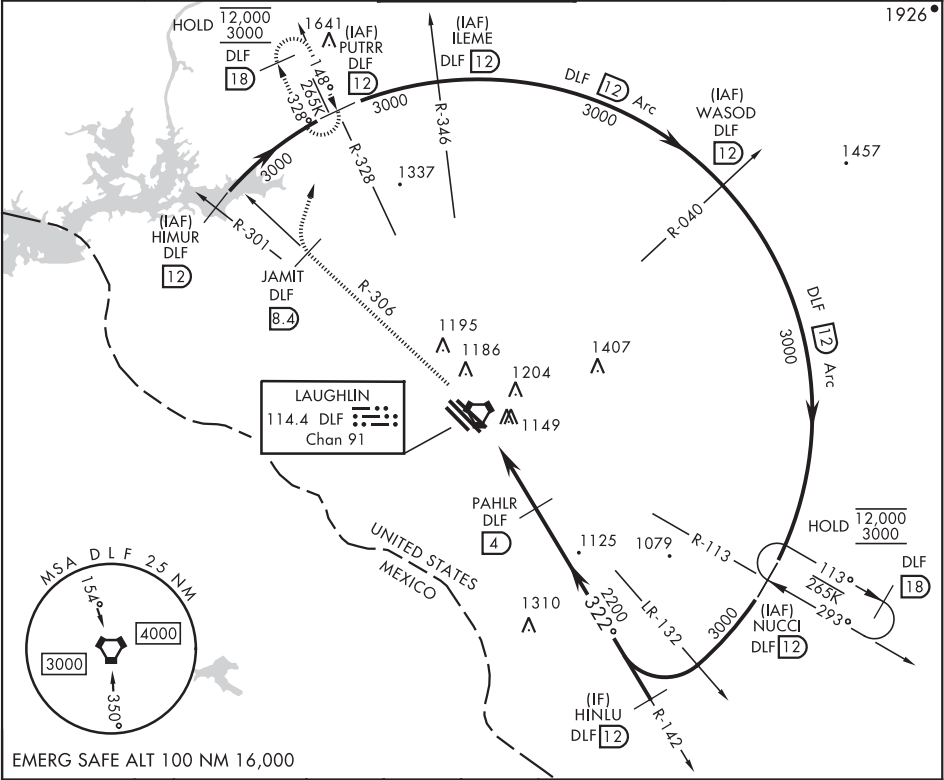
VORTAC DLF 114.4 Chan 91	APCH CRS 322°	Rwy Idg 8852 TDZE 1079 Arpt Elev 1082
--	-------------------------	--

[USAF]

LAUGHLIN AFB (KDLF)

V *Circling not authorized in sector SW of Rwy 13R-31L.	MISSED APPROACH: Climb to 3000 on DLF VORTAC R-306 to 8.4 DME (JAMIT), then turn right to intercept DLF R-328 to 12 DME (PUTRR), and hold.
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ATIS ★ 114.4 269.9	DEL RIO APP CON 119.6 259.1	TOWER ★ 125.2 307.375	GND CON 275.8	CLNC DEL 120.5 335.8
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ELEV 1082	TDZE 1079	3000	JAMIT R-306 DLF 8.4	PUTRR R-328 DLF 12
Rwy 31L Idg 6241'				

DEL RIO, TEXAS

29°22'N-100°47'W

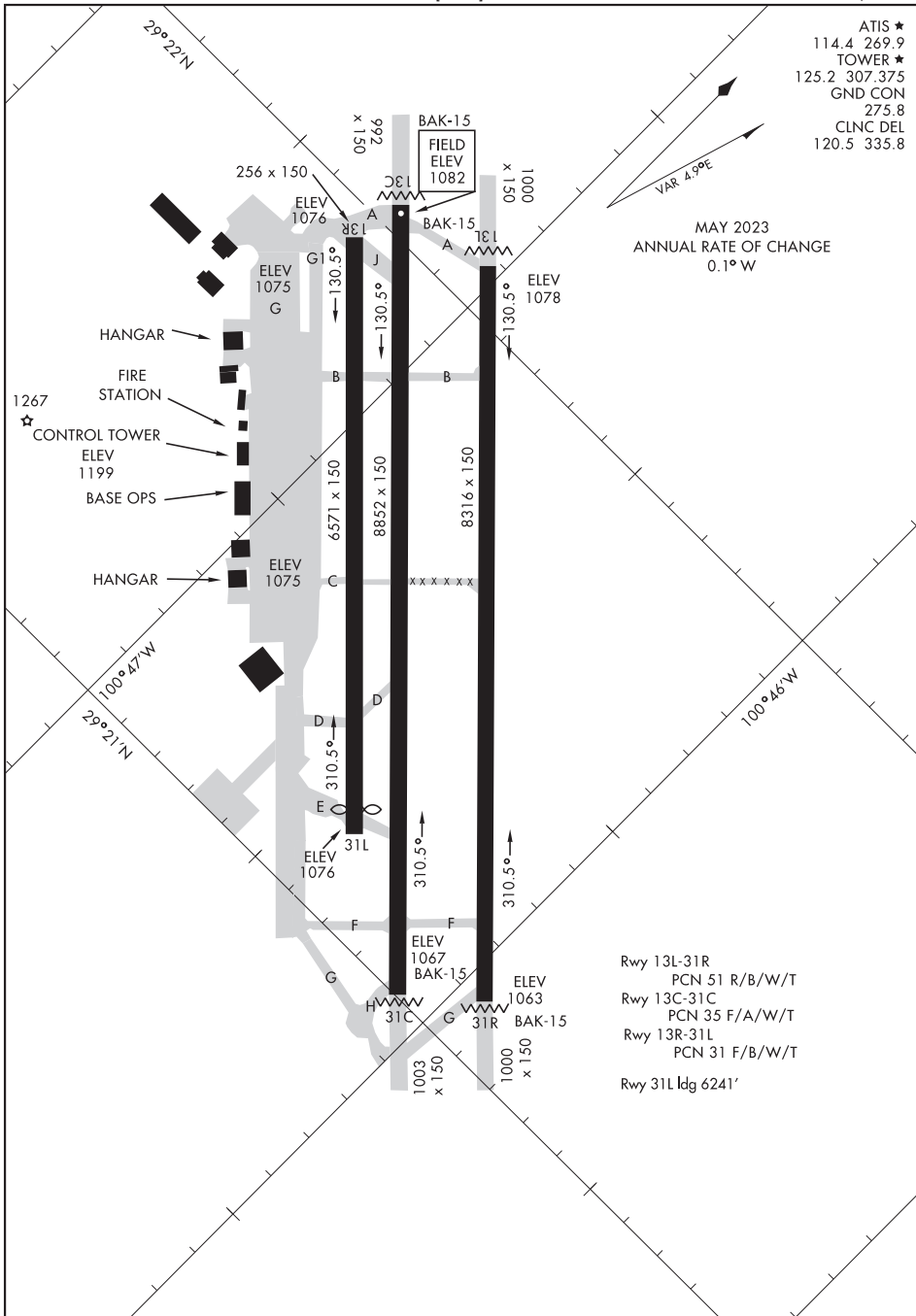
LAUGHLIN AFB (KDLF)

Amtd 4 20APR23

VOR/DME RWY 31C

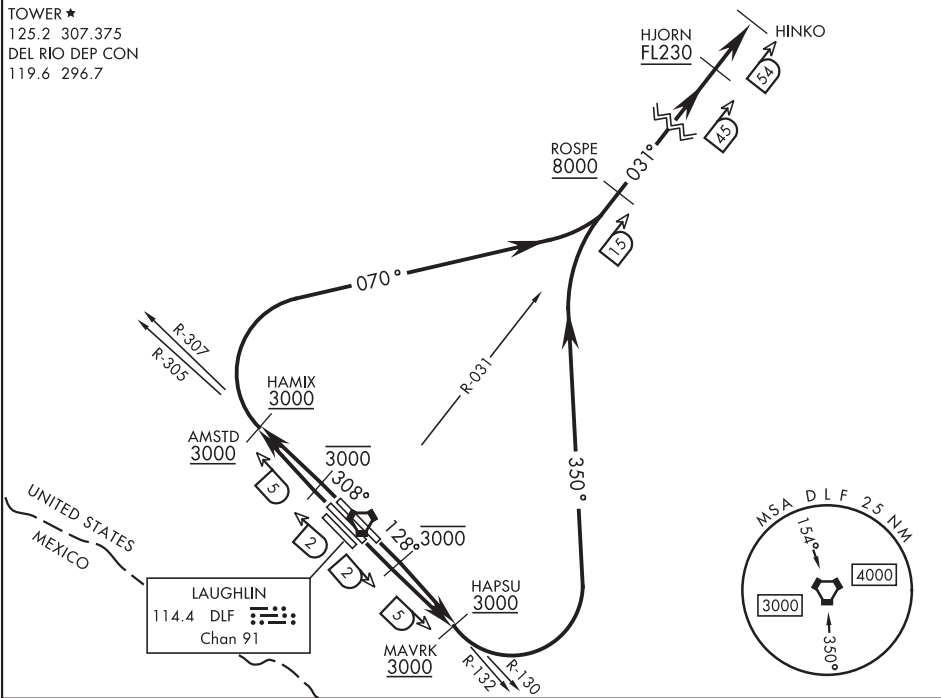
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



ATIS ★ 114.4 269.9	2216	AL-111 [USAF]	60	120	180	240	300	360
CLNC DEL 120.5 335.8		13C/L V/V(fpm)	450	900	1340	1790	2230	2680
GND CON 275.8		31C/R V/V(fpm)	460	920	1380	1840	2300	2760

ATC Climb Rate to HJORN FL230



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 13C: Climb on track 128°, intercept the DLF VORTAC R-132 to DLF 5 DME (MAVRK), cross DLF VORTAC 2 DME at or below 3000, cross DLF R-132/5 DME (MAVRK) at or above 3000. Then turn left and track 350° to intercept the DLF R-031 prior to ROSPE, cross ROSPE at or above 8000, cross HJORN at or above FL230, then direct HINKO.

TAKEOFF RWY 13L: Climb on track 128°, intercept the DLF VORTAC R-130 to DLF 5 DME (HAPSU), cross DLF VORTAC 2 DME at or below 3000, cross DLF R-130/5 DME (HAPSU) at or above 3000. Then turn left and track 350° to intercept the DLF R-031 prior to ROSPE, cross ROSPE at or above 8000, cross HJORN at or above FL230, then direct HINKO.

TAKEOFF RWY 31C: Climb on track 308°, intercept the DLF VORTAC R-305 to DLF 5 DME (AMSTD), cross DLF VORTAC 2 DME at or below 3000, cross DLF R-305/5 DME (AMSTD) at or above 3000. Then turn right and track 070° to intercept the DLF R-031 prior to ROSPE, cross ROSPE at or above 8000, cross HJORN at or above FL230, then direct HINKO.

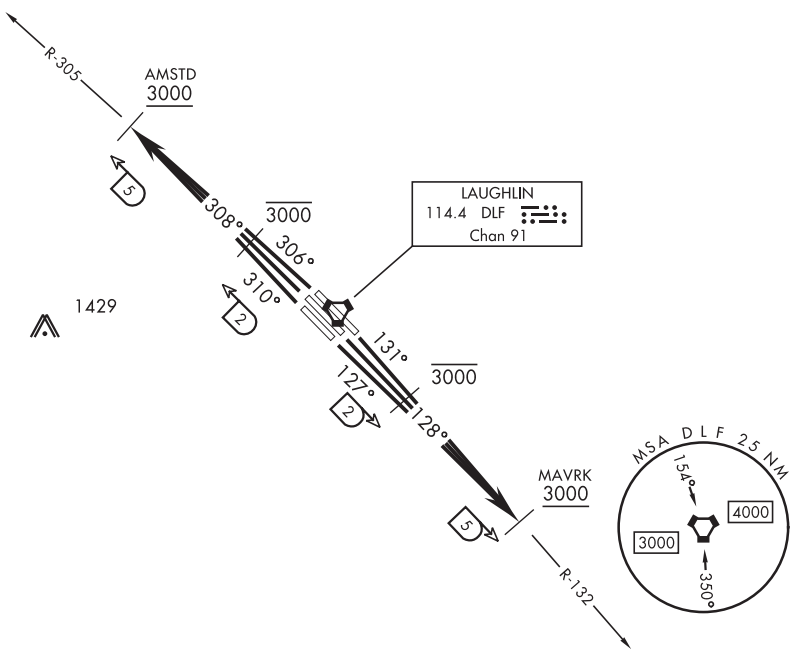
TAKEOFF RWY 31R: Climb on track 308°, intercept the DLF VORTAC R-307 to DLF 5 DME (HAMIX), cross DLF VORTAC 2 DME at or below 3000, cross DLF R-307/5 DME (HAMIX) at or above 3000. Then turn right and track 070° to intercept the DLF R-031 prior to ROSPE, cross ROSPE at or above 8000, cross HJORN at or above FL230, then direct HINKO.

ATIS ★ 114.4 269.9
CLNC DEL
120.5 335.8
GND CON
275.8
LAUGHLIN TOWER ★
125.2 307.375
DEL RIO DEP CON
119.6 296.7

Rwy		Knots	60	120	180	240	300	360
31C/L/R	V/V(fpm)	470	940	1410	1880	2350	2810	
13C	V/V(fpm)	440	880	1320	1760	2200	2640	
13L	V/V(fpm)	450	890	1330	1770	2210	2650	
13R	V/V(fpm)	410	810	1210	1620	2020	2420	

ATC Climb Rate to 5 DME

1870



DEPARTURE ROUTE DESCRIPTION
(MAVRK Tracks)

- TAKEOFF RWY 13C: Climb on track 128°, thence...
- TAKEOFF RWY 13L: Climb on track 131°, thence...
- TAKEOFF RWY 13R: Climb on track 127°, thence...

...intercept DLF VORTAC R-132 to DLF 5 DME (MAVRK), cross DLF 2 DME at or below 3000, cross DLF 5 DME (MAVRK) at or above 3000, then as directed by ATC.

(AMSTD Tracks)

- TAKEOFF RWY 31C: Climb on track 308°, thence...
- TAKEOFF RWY 31L: Climb on track 310°, thence...
- TAKEOFF RWY 31R: Climb on track 306°, thence...

...intercept DLF VORTAC R-305 to DLF 5 DME (AMSTD), cross DLF 2 DME at or below 3000, cross DLF 5 DME (AMSTD) at or above 3000, then as directed by ATC.

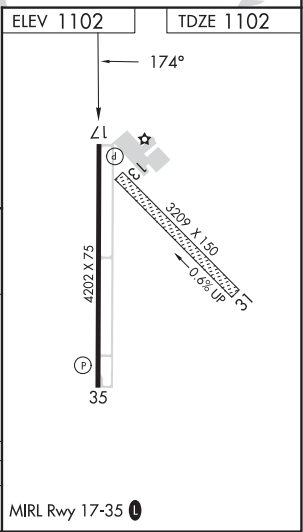
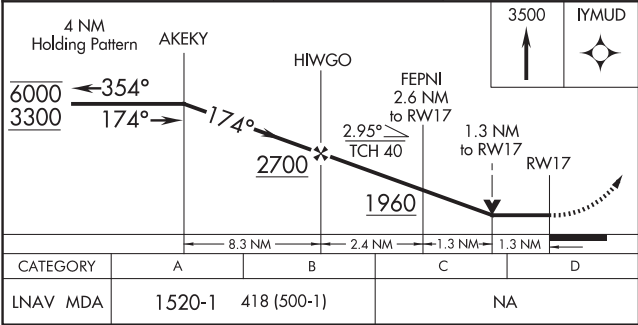
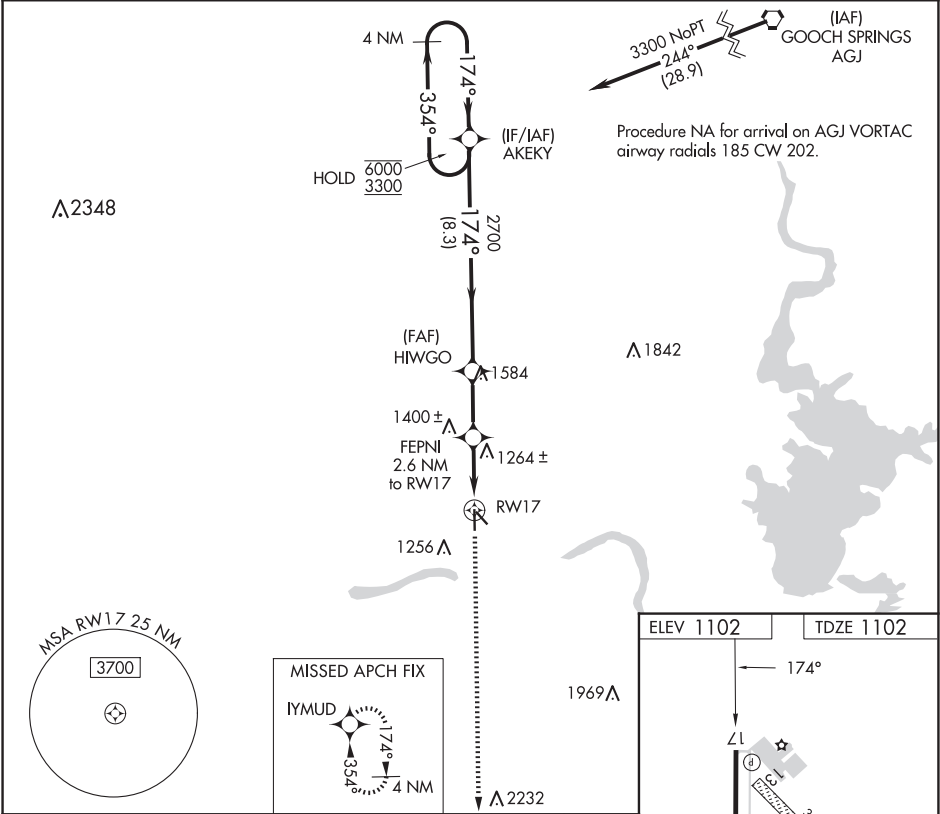
APP CRS	Rwy Idg	4202
174°	TDZE	1102
	Apt Elev	1102

RNAV (GPS) RWY 17

LLANO MUNI (AQO)

RNP APCH - GPS.	MISSED APPROACH: Climb to 3500 direct IYMUD and hold.
<div><div></div><div>Rwy 17 helicopter visibility reduction below ¾ SM NA.</div></div>	

AWOS-3 119.425	HOUSTON CENTER 132.35 317.5	UNICOM 123.05 (CTAF)
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LLANO, TEXAS

AI-5959 (FAA)

23082

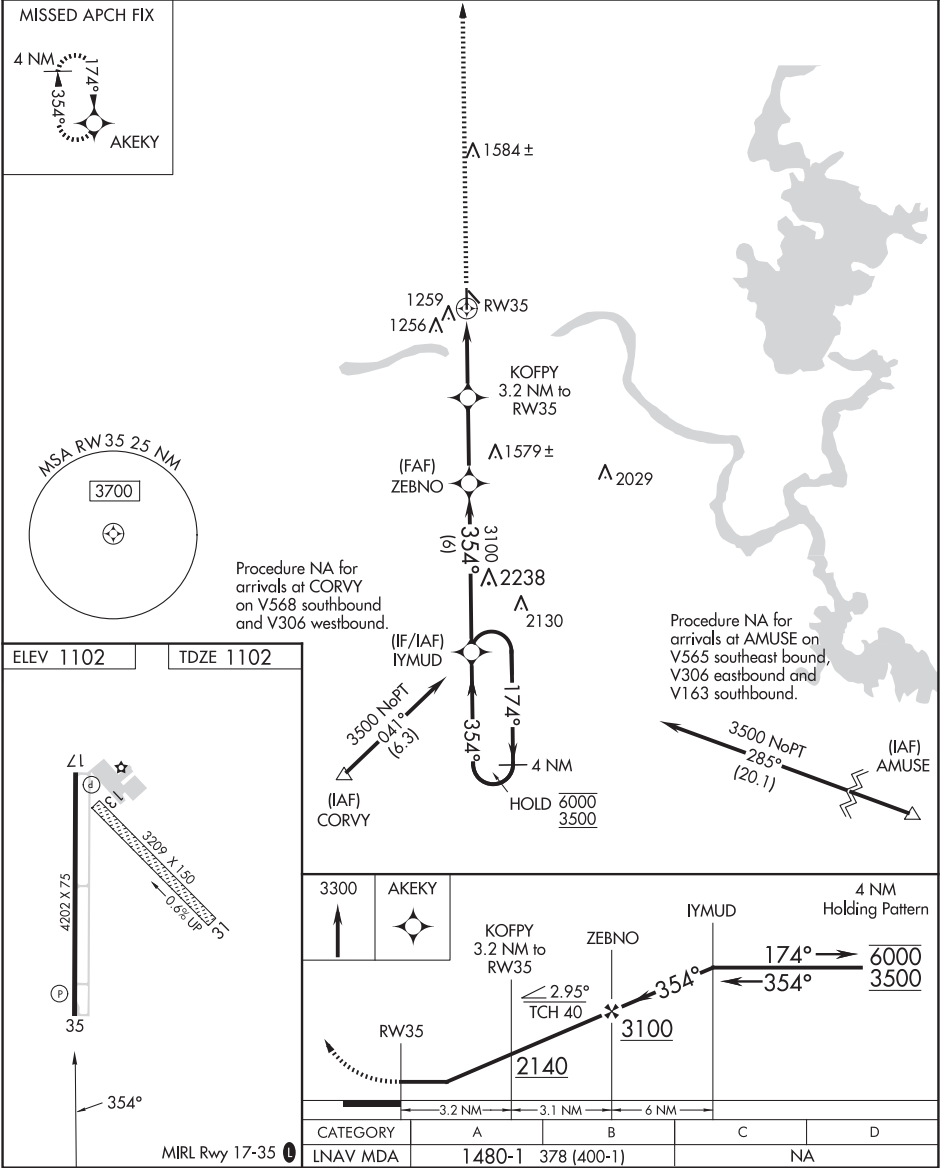
APP CRS	Rwy Idg	4202
354°	TDZE	1102
	Apt Elev	1102

RNAV (GPS) RWY 35

LLANO MUNI (A.QO)

RNP APCH - GPS.	MISSED APPROACH: Climb to 3300 direct AKEY and hold.
Procedure NA at night. Rwy 35 helicopter visibility reduction below 1 SM NA.	

AWOS-3 119.425	HOUSTON CENTER 132.35 317.5	UNICOM 123.05(CTAF) 1
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LLANO, TEXAS

Amdt 1 23FEB23

30°47'N-98°40'W

RNAV (GPS) RWY 35

LLANO MUNI (A.QO)

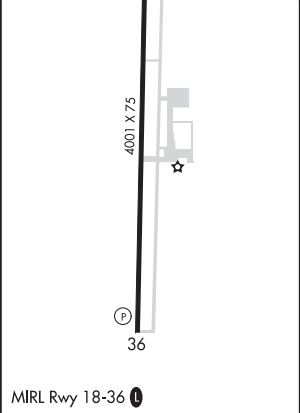
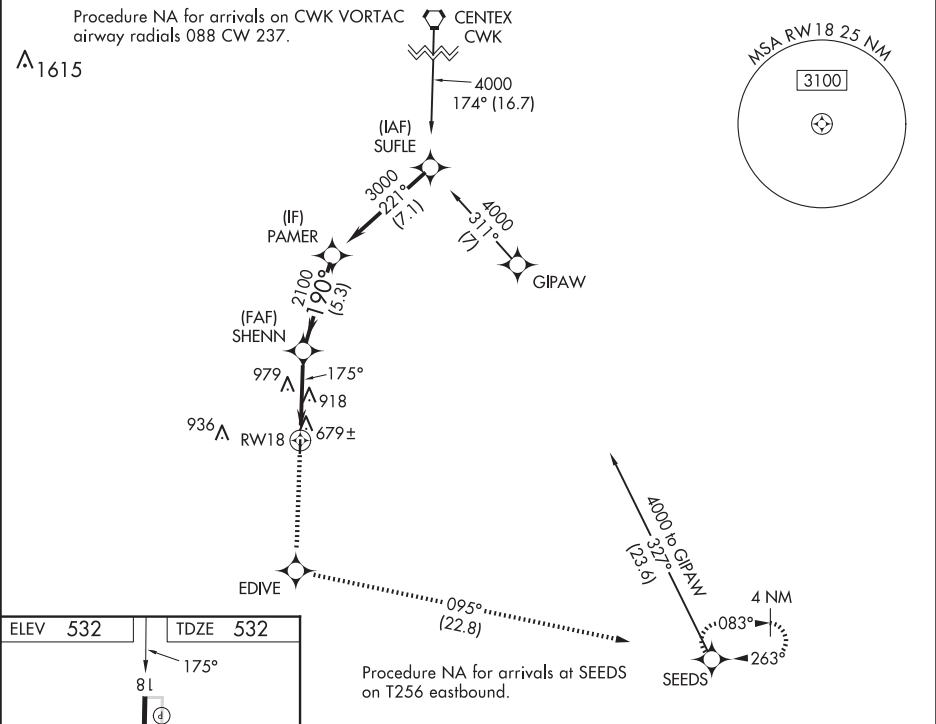
WAAS CH 45922 W18A	APP CRS 175°	Rwy Idg TDZE Apt Elev	4001 532 532
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RNAV (GPS) RWY 18

LOCKHART MUNI (50R)

RNP APCH.	MISSED APPROACH: Climb to 4000 direct EDIVE and on track 095° to SEEDS and hold.
Baro-VNAV NA. Use San Marcos altimeter setting, when not received, use Austin-Bergstrom Intl altimeter setting and increase all DA 16 feet, all MDA 20 feet; increase LNAV Cat B visibility ¼ SM.	

AUSTIN APP CON 120.875 270.25	UNICOM 122.8 (CTAF) 0
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4000	EDIVE	tr 095°	SEEDS	VGSI and RNAV glidepath not coincident (VGSI Angle 3.50/TCH 24).
CATEGORY	A	B	C	D
LPV DA	815-1 283 (300-1)			NA
LNAV/VNAV DA	883-1¼ 351 (400-1¼)			NA
LNAV MDA	1260-1 728 (800-1)		1260-2 728 (800-2)	NA

LOCKHART, TEXAS

AL-6919 (FAA)

23362

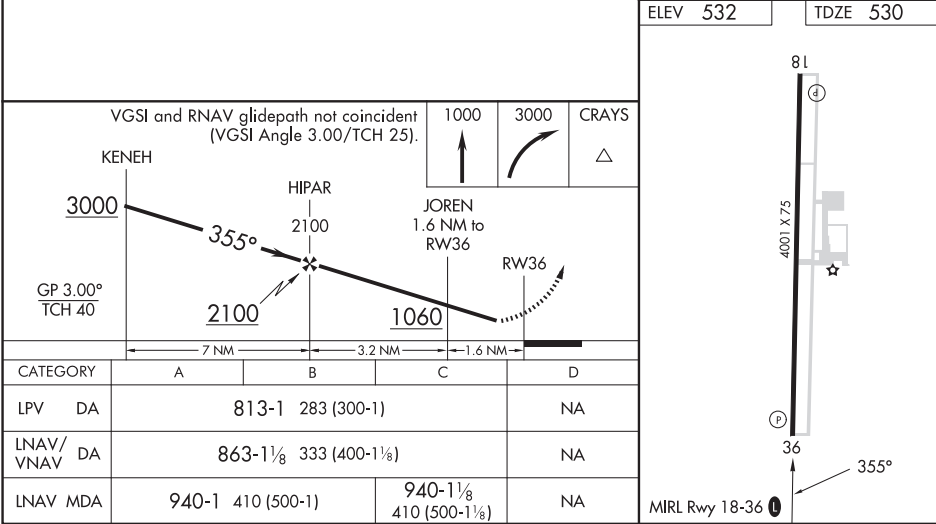
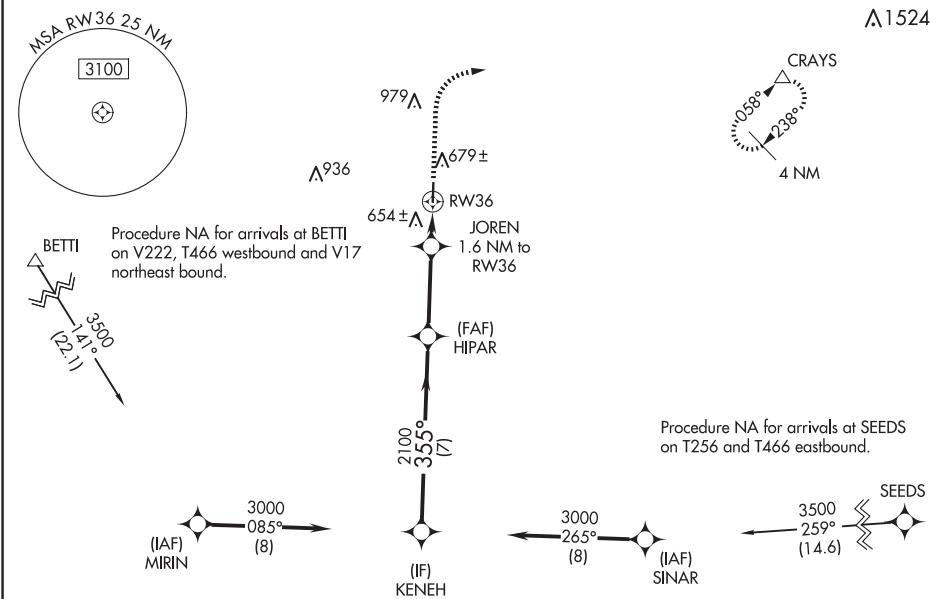
WAAS CH 53323 W36A	APP CRS 355°	Rwy Idg TDZE Apt Elev	4001 530 532
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RNAV (GPS) RWY 36

LOCKHART MUNI (50R)

RNP APCH - GPS.	MISSED APPROACH: Climb to 1000, then climbing right turn to 3000 direct CRAYS and hold.
▼ Rwy 36 helicopter visibility reduction below ¾ NA. Baro-VNAV NA. Use San Marcos altimeter setting; when not received, use Austin-Bergstrom Intl altimeter setting: increase LPV DA to 830 feet; increase LNAV/VNAV DA to 880 feet; increase all MDAs 20 feet and visibility Cat C ½ SM.	

AUSTIN APP CON 120.875 270.25	UNICOM 122.8 (CTAF) 0
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LOCKHART, TEXAS
Orig-C 28DEC23

29°51'N-97°40'W

LOCKHART MUNI (50R)

RNAV (GPS) RWY 36

SC-3, 12 JUN 2025 to 07 AUG 2025

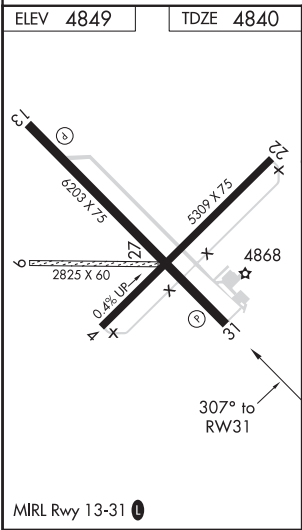
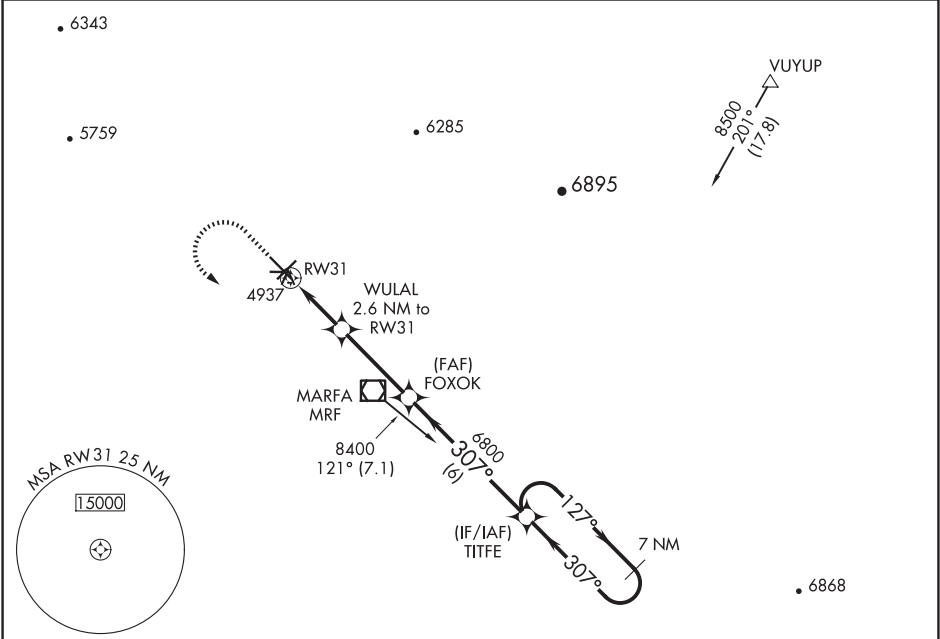
SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS	Rwy Idg	6203
307°	TDZE	4840
	Apt Elev	4849

RNAV (GPS) RWY 31
MARFA MUNI (MRF)

RNP APCH-GPS.	MISSED APPROACH: Climb to 5300 then climbing left turn to 9000 direct TITFE and hold, continue climb-in-hold to 9000.
When local altimeter setting not received, procedure NA. Circling NA to Rwys 9, 27.	

AWOS-3PT 134.025	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) 0
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5300 ↑	9000 	TITFE 	TITFE 7 NM Holding Pattern
WULAL 2.6 NM to RW31		FOXOK	
1 NM to RW31		307°	127°
RW31		5700	8400
1 NM		3.00° TCH 50	VGSI and descent angles not coincident (VGSI Angle 3.00/ TCH 36).
1.6 NM		3.4 NM	6 NM
CATEGORY	A	B	C
LNAV MDA	5200-1 360 (400-1)		
CIRCLING	5280-1 431 (500-1)	5300-1 451 (500-1)	5440-1½ 591 (600-1½)
			5780-3 931 (1000-3)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

MARFA, TEXAS

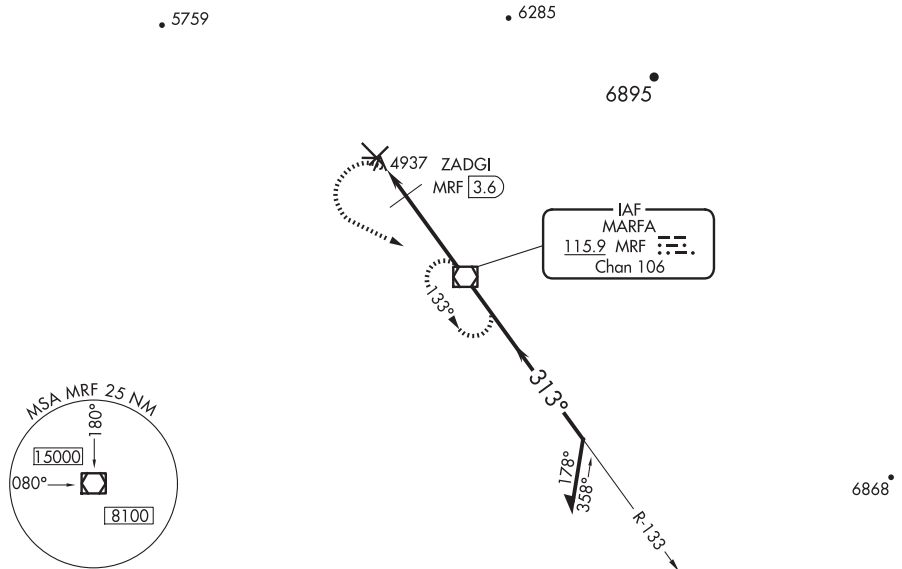
VOR/DME MRF 115.9 Chan 106	APP CRS 313°	Rwy Idg 6203 TDZE 4840 Apt Elev 4849
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VOR RWY 31
MARFA MUNI (MRF)

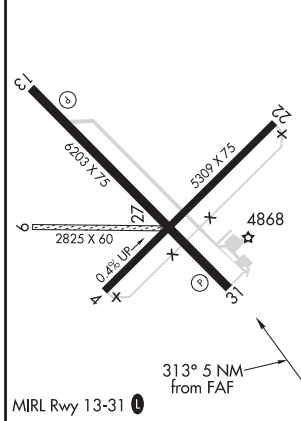
T When local altimeter setting not received, procedure NA.
A Circling NA to Rwy 9, 27.

MISSED APPROACH: Climbing left turn to 9000 direct MRF VOR/DME and hold, continue climb-in-hold to 9000.

AWOS-3PT 134.025	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) 0
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ELEV 4849		TDZE 4840
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9000

MRF

ZADGI MRF 3.6

MRF 5

3.42° TCH 50

133°

313°

5360

6700

Remain within 10 NM

VGS and descent angles not coincident (VGS Angle 3.00/TCH 36)

1.4 3.6 NM

MARFA, TEXAS

Amdt 6C 08SEP22

30°22'N-104°01'W


MARFA MUNI (MRF)
VOR RWY 31

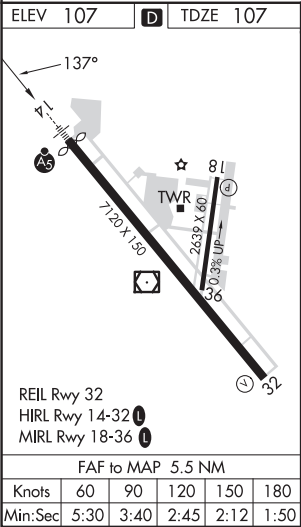
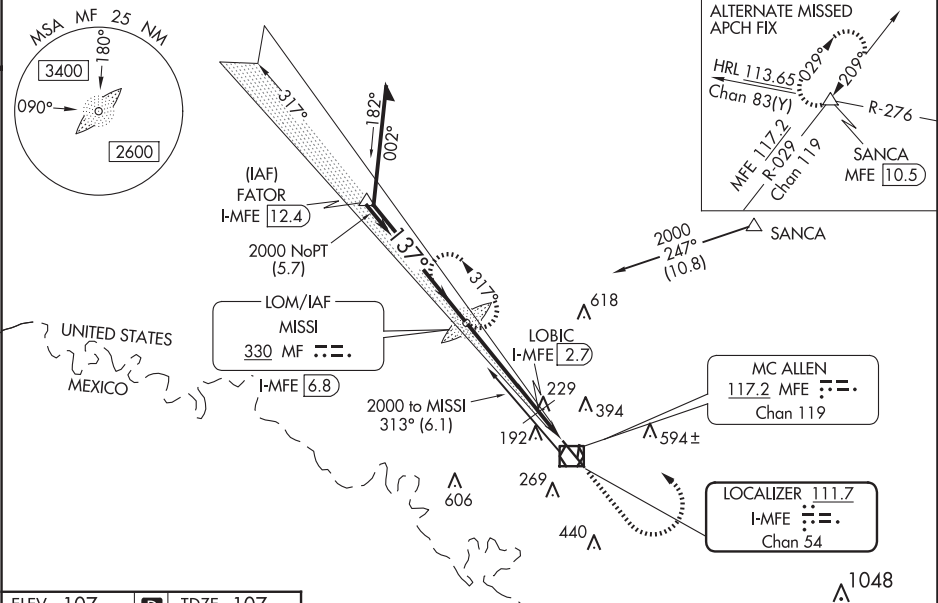
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

LOC/DME I-MFE 111.7 Chan 54	APP CRS 137°	Rwy Idg 6983 TDZE 107 Apt Elev 107
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ILS or LOC RWY 14
MC ALLEN INTL (MF'E)

ADF required. Circling NA northeast of Rwy 14-32. When local altimeter setting not received, use Weslaco altimeter setting: increase all DA 39 feet; increase all MDA 40 feet and S-LOC 14 Cat C/D and Circling Cat C visibility 1/8 mile, increase LOBIC Fix Minimums S-LOC 14 Cat C/D visibility 1/4 mile. For inop ALS, increase S-LOC 14 Cat C/D visibility to 1 3/8 SM. For inop ALS when using Weslaco altimeter setting, increase LOBIC Fix Minimums S-LOC 14 Cat C/D visibility to 1 3/8 SM.			<div>MALSR</div> <div></div>	MISSED APPROACH: Climb to 1500 then climbing left turn to 2000 direct to MISSI LOM and hold.
<div>ATIS</div> <div>128.5</div>	<div>VALLEY APP CON</div> <div>126.55 377.2</div>	<div>MC ALLEN TOWER ★</div> <div>118.5 (CTAF) 0 256.9</div>			GND CON 121.8	UNICOM 122.95



Remain within 10 NM

MISSI LOM/I-MFE 6.8

317°

137°

2000

GS 3.00° TCH 56

2000

1952

4.1 NM

1.4 NM

*620

LOBIC I-MFE 2.7

I-MFE 1.3

MF

*LOC only.

CATEGORY	A	B	C	D
S-ILS 14	307-½ 200 (200-½)			
S-LOC 14	620-½	513 (600-½)	620-1	513 (600-1)
CIRCLING	620-1	513 (600-1)	620-½ 513 (600-½)	800-2¼ 693 (700-2¼)
LOBIC FIX MINIMUMS				
S-LOC 14	540-½	433 (500-½)	540-¾	433 (500-¾)
CIRCLING	580-1	473 (500-1)	580-½ 473 (500-½)	800-2¼ 693 (700-2¼)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

MC ALLEN, TEXAS

AL-985 (FAA)

23278

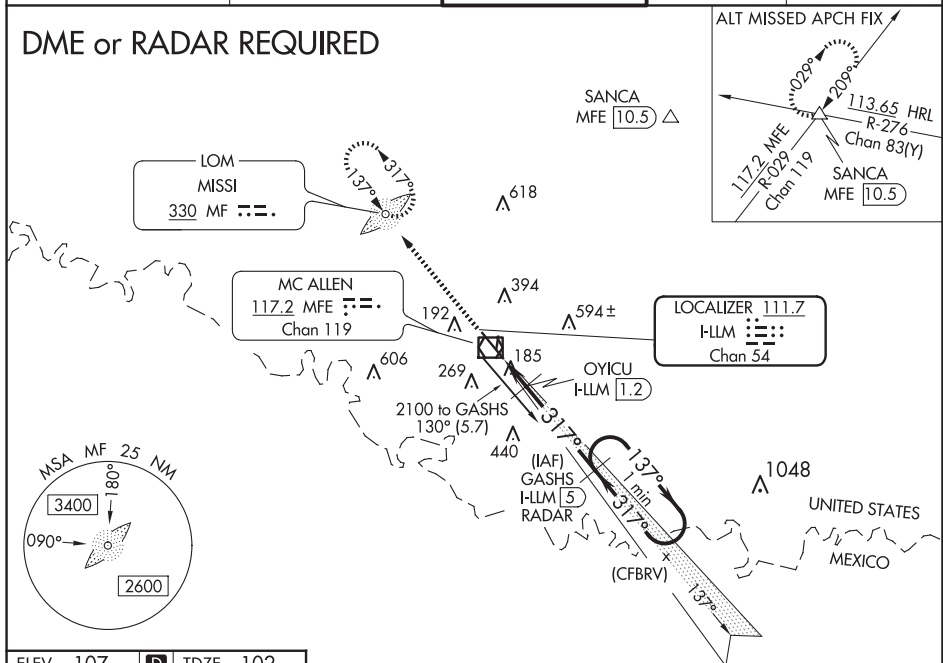
LOC/DME I-LLM 111.7 Chan 54	APP CRS 317°	Rwy Idg 7120 TDZE 102 Apt Elev 107
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ILS or LOC RWY 32

MC ALLEN INTL (MF'E)

⚠ Circling NA northeast of Rwy 14-32. ADF and DME or Radar required. When local altimeter setting not received, use Weslaco altimeter setting: increase all DA 39 feet and MDA 40 feet.			MISSED APPROACH: Climb to 2100 direct MF LOM and hold	
ATIS 128.5	VALLEY APP CON 126.55 377.2	MC ALLEN TOWER ★ 118.5 (CTAF) 0 256.9	GND CON 121.8	UNICOM 122.95

DME or RADAR REQUIRED



ELEV 107	D	TDZE 102
REIL Rwy 32 HIRL Rwy 14-32 MIRL Rwy 18-36		
FAF to MAP 5.2 NM		
Knots	60	90 120 150 180
Min:Sec	5:12	3:28 2:36 2:05 1:44

2100	MF	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 53).	GASHS I-LLM 5	One Minute Holding Pattern
*LOC only	OYICU I-LLM 1.2		1800	137° 2100
			1800	317°
			*600 when using Weslaco altimeter setting.	GS 3.00° TCH 50
			1.4 NM	3.8 NM
CATEGORY	A	B	C	D
S-ILS 32		302-3/4	200 (200-3/4)	
S-LOC 32	560-1	458 (500-1)	560-1 3/8	458 (500-1 3/8)
CIRCLING	580-1	473 (500-1)	580-1 1/2	800-2 1/4
			473 (500-1 1/2)	693 (700-2 1/4)
OYICU FIX MINIMUMS				
S-LOC 32		440-1	338 (400-1)	
CIRCLING	580-1	473 (500-1)	580-1 1/2	800-2 1/4
			473 (500-1 1/2)	693 (700-2 1/4)

MC ALLEN, TEXAS
Amdt 1 10DEC15

26°11'N-98°14'W

ILS or LOC RWY 32

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS
CH **78400**
W14A

APP CRS
137°

Rwy Idg **6983**
TDZE **107**
Apt Elev **107**

RNAV (GPS) RWY 14

MC ALLEN INTL (MFE)

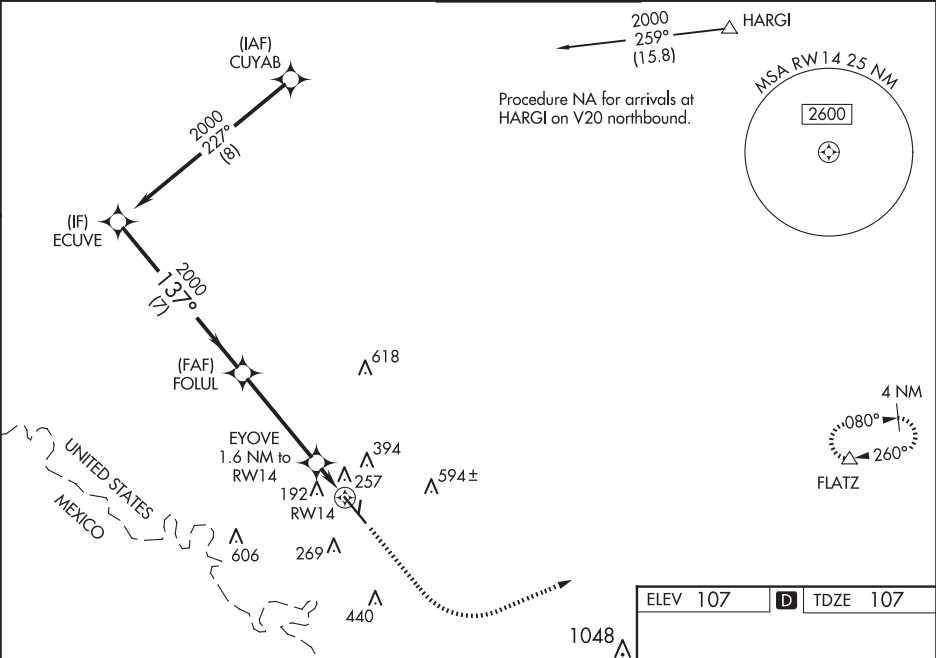
RNP APCH-GPS.

⚠ Circling NA northeast of Rwy 14-32. For inop ALS, increase LNAV/VNAV visibility all Cats to ¾ SM and LNAV visibility Cat C/D to 1 ½ SM. For inop ALS when using Weslaco altimeter setting, increase LNAV/VNAV visibility all Cats to 1 SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1°C or above 54°C. When local altimeter setting not received, use Weslaco altimeter setting and increase all DA 39 feet and LNAV/VNAV all Cats visibility ½ SM; increase all MDA 40 feet and LNAV Cat C/D visibility ½ SM.

MALSR
AS

MISSED APPROACH:
Climb to 1500 then climbing left turn to 3000 direct FLATZ and hold.

ATIS 128.5	VALLEY APP CON 126.55 377.2	MC ALLEN TOWER ★ 118.5 (CTAF) 256.9	GND CON 121.8	UNICOM 122.95
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ELEV 107

D

TDZE 107

1500

3000

FLATZ

GP 3.00°

TCH 60

ECUVE

FOLUL

EYOVE 1.6 NM to RW14

RW14

2000

2000

2000

660

7 NM

4.2 NM

1.6 NM

*LNAV only

137°

7120 X 150

2639 X 80

2039 X 36

81

36

REIL Rwy 32

HIRL Rwy 14-32

MIRL Rwy 18-36

CATEGORY	A	B	C	D
LPV DA	307-½ 200 (200-½)			
LNAV/ VNAV DA	418-½ 311 (400-½)			
LNAV MDA	520-½ 413 (500-½)	520-¾ 413 (500-¾)		
CIRCLING	580-1 473 (500-1)	580-1½ 800-2¼ 473 (500-1½) 693 (700-2¼)		

MC ALLEN, TEXAS

AL-985 (FAA)

23278

WAAS CH 78001 W32A	APP CRS 317°	Rwy Idg TDZE 102 Apt Elev 107
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RNAV (GPS) RWY 32

MC ALLEN INTL (MFE)

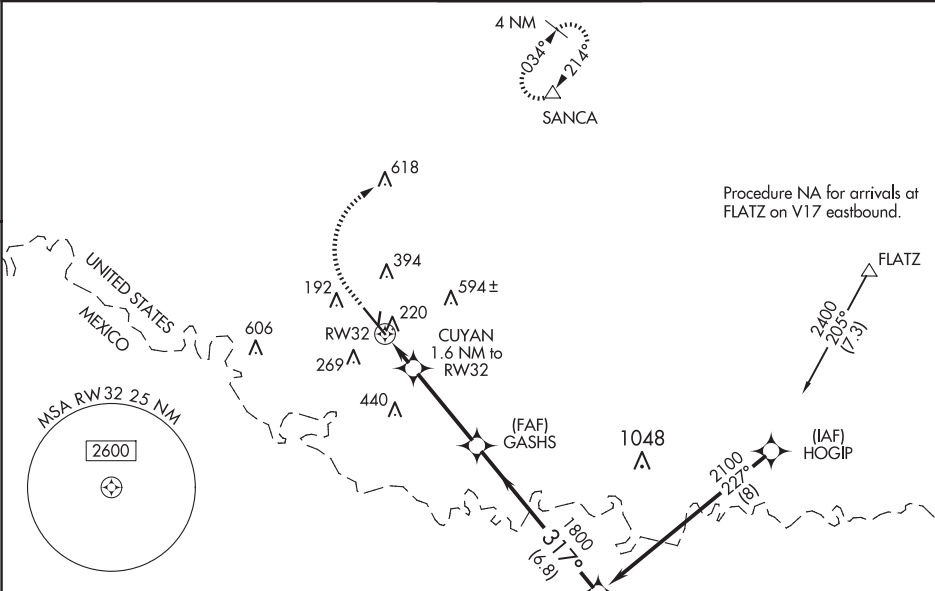
⚠

⚠

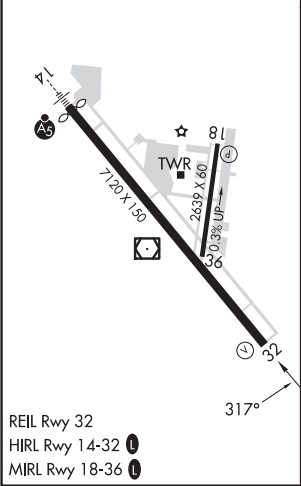
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 1°C (34°F) or above 54°C (130°F). Circling NA northeast of Rwy 14-32. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Weslaco altimeter setting: increase all DA 39 feet and LNAV/VNAV all Cat visibility ¼ mile; increase all MDA 40 feet and LNAV Cat C/D visibility ½ mile. Baro-VNAV and VDP NA when using Weslaco altimeter setting.




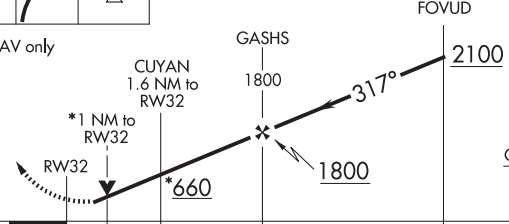

MISSED APPROACH: Climb to 800 then climbing right turn to 2000 direct SANCA and hold.

ATIS 128.5	VALLEY APP CON 126.55 377.2	MC ALLEN TOWER * 118.5 (CTAF) 0 256.9	GND CON 121.8	UNICOM 122.95
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ELEV 107	D	TDZE 102
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800	2000	SANCA	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 53).		
					
*LNAV only					
					
CATEGORY	A		B	C	D
LPV DA			302- ³ / ₄	200 (200- ³ / ₄)	
LNAV/ VNAV	DA		391- ⁷ / ₈	289 (300- ⁷ / ₈)	
LNAV MDA			480-1	378 (400-1)	
 CIRCLING	580-1	473 (500-1)	580-1 ¹ / ₂ 473 (500-1 ¹ / ₂)	800-2 ¹ / ₄ 693 (700-2 ¹ / ₄)	

MC ALLEN, TEXAS
Amdt 2 10DEC15

26°11'N-98°14'W

MC ALLEN INTL (MFE)

RNAV (GPS) RWY 32

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

VOR/DME MFE	APP CRS	Rwy Idg
117.2	134°	6983
Chan 119		TDZE 107
		Apt Elev 107

VOR RWY 14
MC ALLEN INTL (MFE)

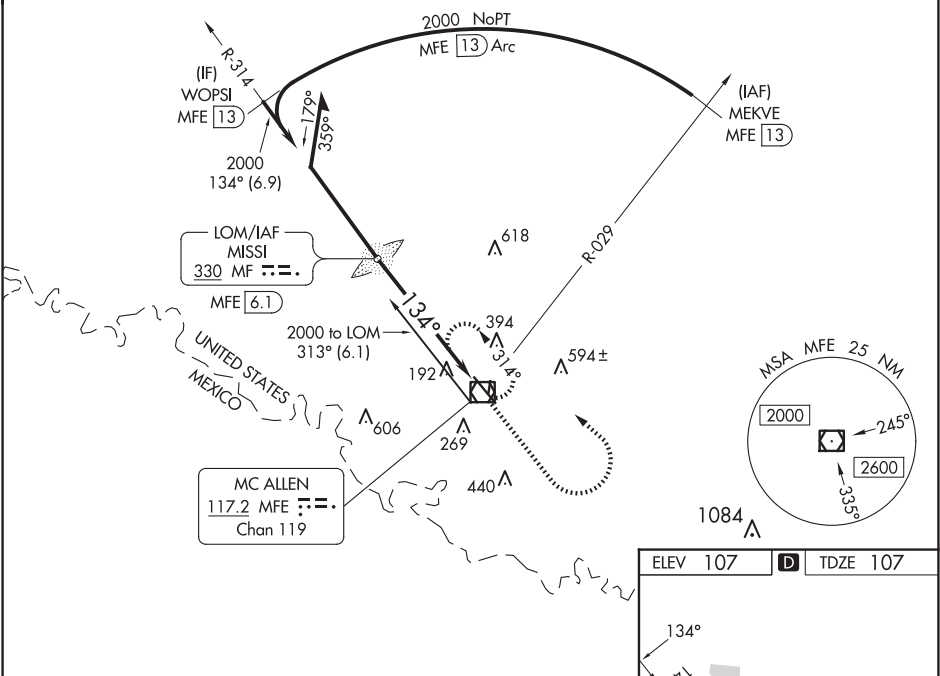
⚠ Circling NA northeast of Rwy 14-32. ADF or DME required. For inop MALSR, increase S-14 Cat C/D visibility to 1½ mile. When local altimeter setting not received, use Weslaco altimeter setting and increase all MDA 40 feet and S-14 Cat C/D and Circling Cat C visibility ½ mile. VDP NA when using Weslaco altimeter setting.

MALSR

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct MFE VOR/DME and hold.

ATIS 128.5	VALLEY APP CON 126.55 377.2	MC ALLEN TOWER ★ 118.5 (CTAF) 0 256.9	GND CON 121.8	UNICOM 122.95
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ADF or DME REQUIRED



Remain within 10 NM

MISSI MF LOM MFE 6.1

2000 134° 2000

3.15° TCH 55

MFE 2.0 MFE 0.6

4.1 NM 1.4

ELEV 107 D TDZE 107

CATEGORY	A	B	C	D
S-14	620-½ 513 (600-½)		620-1 513 (600-1)	
CIRCLING	620-1 513 (600-1)		620-1½ 513 (600-½)	800-2¼ 693 (700-2¼)

REIL Rwy 32
HIRL Rwy 14-32
MIRL Rwy 18-36

FAF to MAP 5.5 NM

Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

MC ALLEN, TEXAS

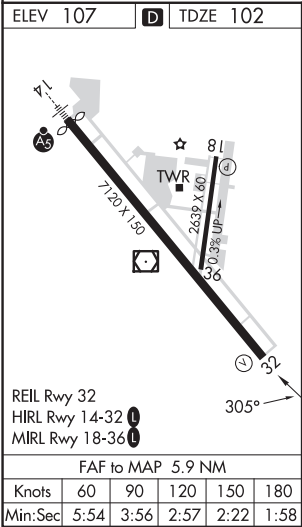
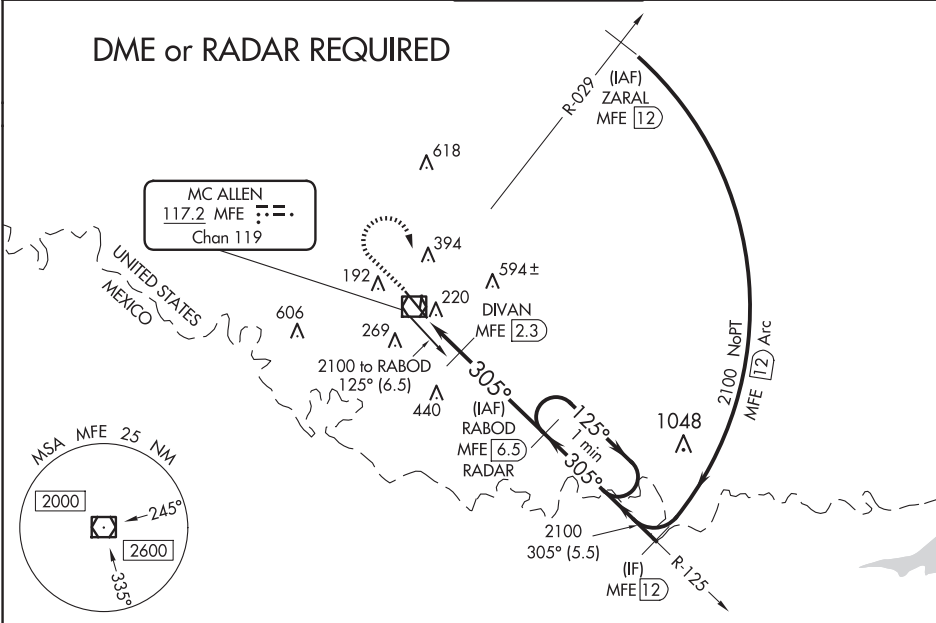
AL-985 (FAA)

23278

VOR/DME MFE 117.2 Chan 119	APP CRS 305°	Rwy Idg 7120 TDZE 102 Apt Elev 107
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VOR RWY 32
MC ALLEN INTL (MFE)

<p>⚠ Circling NA northeast of Rwy 14-32. When local altimeter setting not received, use Weslaco altimeter setting and increase all MDA 40 feet and S-32 Cat C/D and Circling Cat C visibility 1/8 mile, increase DIVAN Fix Minimums S-32 Cat C/D visibility 1/8 mile. VDP NA when using Weslaco altimeter setting.</p>			MISSED APPROACH: Climb to 900 then climbing right turn to 2100 direct MFE VOR/DME.	
ATIS 128.5	VALLEY APP CON 126.55 377.2	MC ALLEN TOWER* 118.5 (CTAF) 0 256.9	GND CON 121.8	UNICOM 122.95



900

↑

2100

↷

MFE

☐

MFE VOR/DME

MFE [0.6]

MFE [1.6]

DIVAN MFE [2.3]

RABOD MFE [6.5] RADAR

One Minute Holding Pattern

↖

↗

↘

↙

125°

305°

2100

305°

3.09°

TCH 52

*700 when using Weslaco altimeter setting.

→

1 NM

0.7 NM

4.2 NM

CATEGORY	A		B		C		D	
S-32	660-1 558 (600-1)		660-1½ 558 (600-1½)					
C CIRCLING	660-1 553 (600-1)		660-1½ 553 (600-1½)		800-2¼ 693 (700-2¼)			
DIVAN FIX MINIMUMS								
S-32	480-1 378 (400-1)							
C CIRCLING	580-1 473 (500-1)		580-1½ 473 (500-1½)		800-2¼ 693 (700-2¼)			

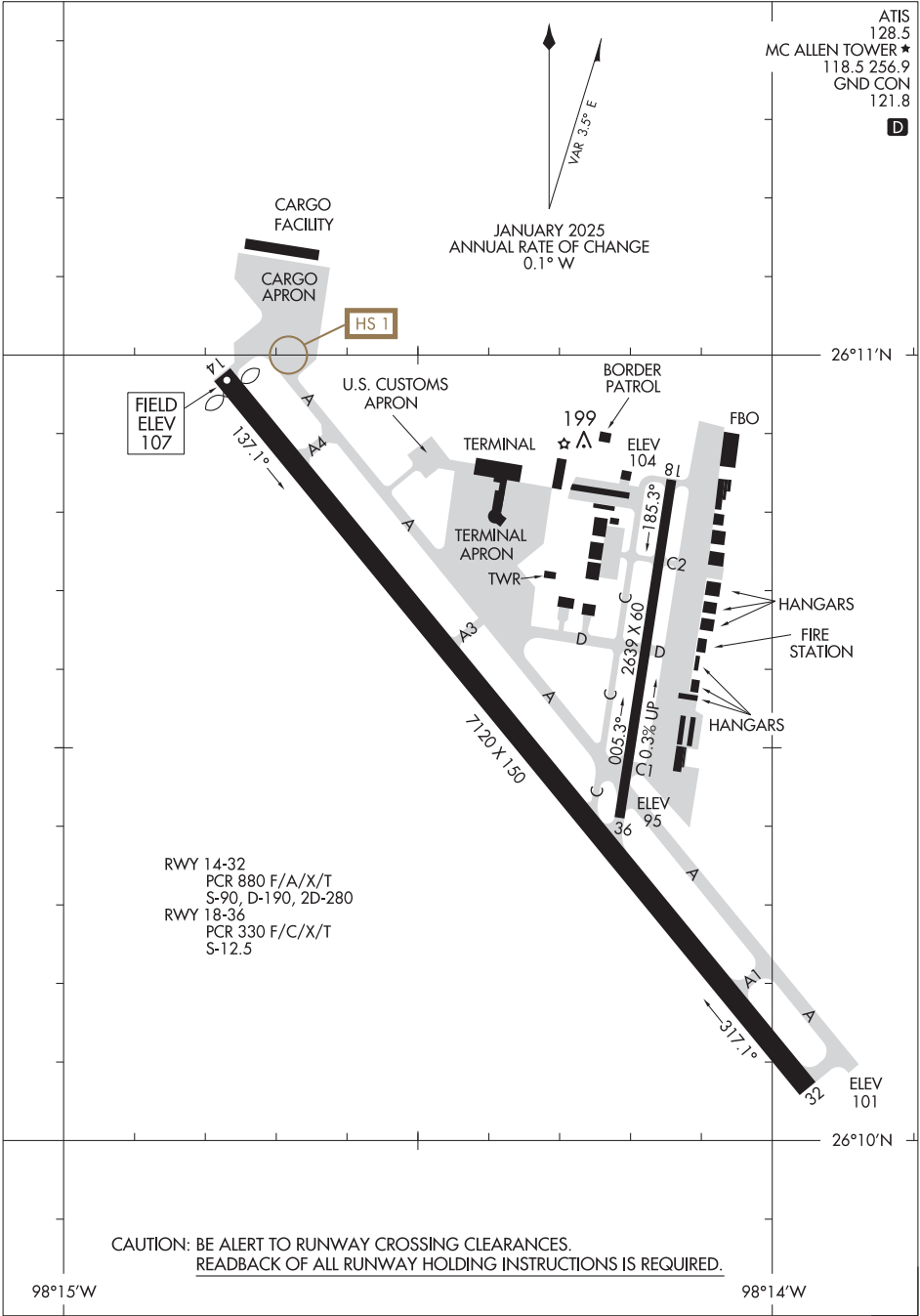
MC ALLEN, TEXAS
Amdt 2 10DEC15

26°11'N-98°14'W

MC ALLEN INTL (MFE)
VOR RWY 32

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

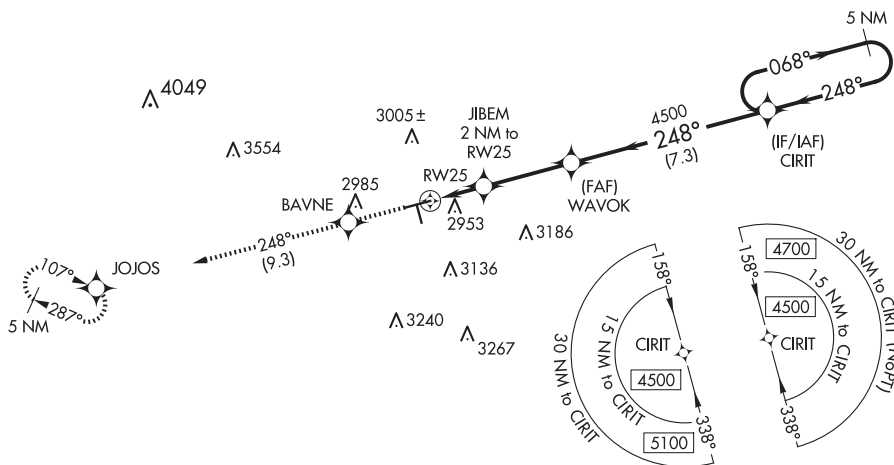
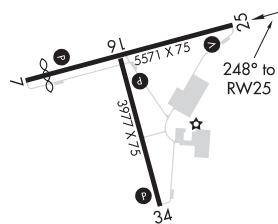


CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

RNAV (GPS) RWY 25

MIDLAND AIRPARK (MDD)

MISSED APPROACH: Climb to 5000
direct BAVNE and on 248° track to
JOJOS and hold.

UNICOM
122.7 (CTAF) **L**[illegible]MIRL Rwy 7-25 and 16-34 **L**

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 58029 W34A	APP CRS 338°	Rwy Idg TDZE 2801 Apt Elev 2805
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RNAV (GPS) RWY 34

MIDLAND AIRPARK (MDD)

RNP APCH.

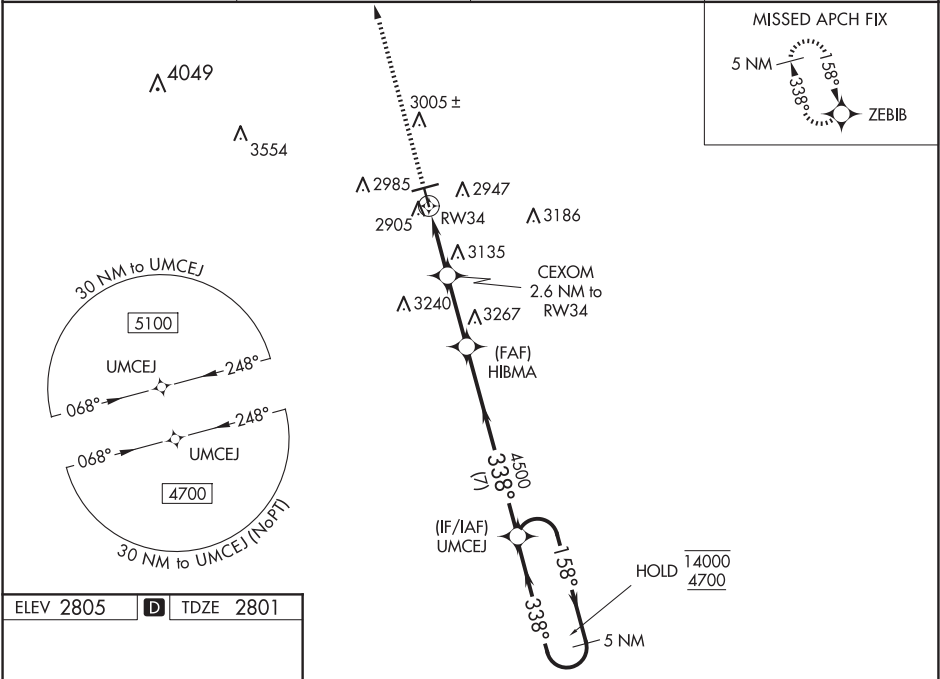
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⚠

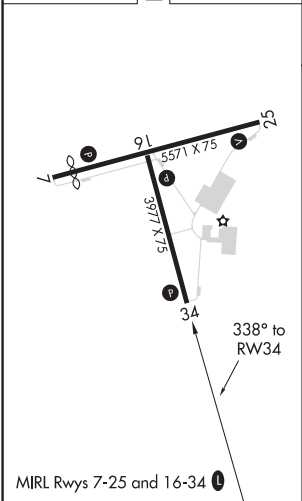
Rwy 34 helicopter visibility reduction below $\frac{3}{4}$ SM NA. Baro-VNAV NA when using Midland Intl altimeter setting. For uncompensated Baro-VNAV systems, procedure NA below -20°C or above 54°C. VDP NA with Midland Intl altimeter setting. When local altimeter setting not received, use Midland Intl altimeter setting and increase LPV DA to 3078 and LNAV/VNAV DA to 3262; increase all MDAs 40 feet and LNAV/VNAV visibility $\frac{1}{8}$ SM all Cats.

MISSED APPROACH:
Climb to 4500 direct ZEBIB and hold.

AWOS-3 118.125	MIDLAND APP CON ★ 124.6 290.4	CLNC DEL 121.8	UNICOM 122.7 (CTAF) 0
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ELEV 2805	D	TDZE 2801
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4500	ZEBIB	HIBMA	UMCEJ	5 NM Holding Pattern
*LNAV only.	*CEXOM 2.6 NM to RW34	4500	158° → 14000 ← 338° 4700	GP 3.00° TCH 40
1.8 NM to RW34	3660	4500		
1.8 NM	0.8	2.6 NM	7 NM	
CATEGORY	A	B	C	D
LPV DA	3051- $\frac{7}{8}$	250 (300- $\frac{7}{8}$)	NA	NA
LNAV/VNAV DA	3235-1 $\frac{1}{4}$	434 (500-1 $\frac{1}{4}$)	NA	NA
LNAV MDA	3400-1	599 (600-1)	NA	NA
CIRCLING	3400-1	595 (600-1)	NA	NA

SC-3, 12 JUN 2025 to 07 AUG 2025

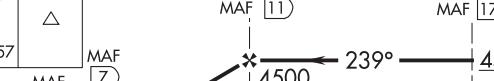
SC-3, 12 JUN 2025 to 07 AUG 2025

VOR RWY 25
MIDLAND AIRPARK (MDD)

MISSED APPROACH: Climbing right turn to 4500 on
MAF VORTAC R-357 to MERGE INT/17 DME and hold.

T
A Rwy 25 helicopter visibility reduction below $\frac{3}{4}$ SM NA.

A diagram showing the layout of two intersecting runways. Runway 7-25 is a horizontal line with a bearing of 239° indicated by an arrow. It has a length of 5571 X 75. Runway 16-34 is a vertical line intersecting Runway 7-25 at its midpoint, with a length of 3977 X 75. The runways are labeled with their respective numbers at each end: 7 and 25 for the horizontal runway, and 16 and 34 for the vertical runway. A small star symbol is located near the intersection of the two runways.

				
CATEGORY	A	B	C	D
S-25	3400-1	600 (600-1)	3400-1¾	600 (600-1¾)
C CIRCLING	3400-1	595 (600-1)	3440-1¾ 635 (700-1¾)	3700-3 895 (900-3)

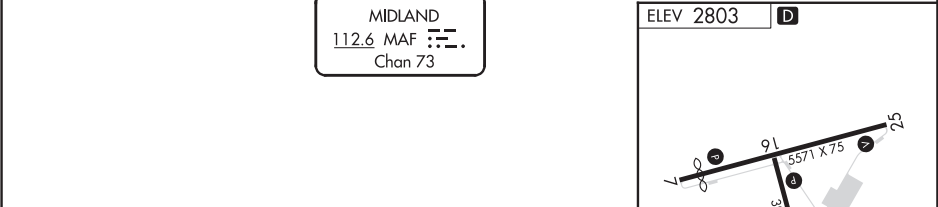
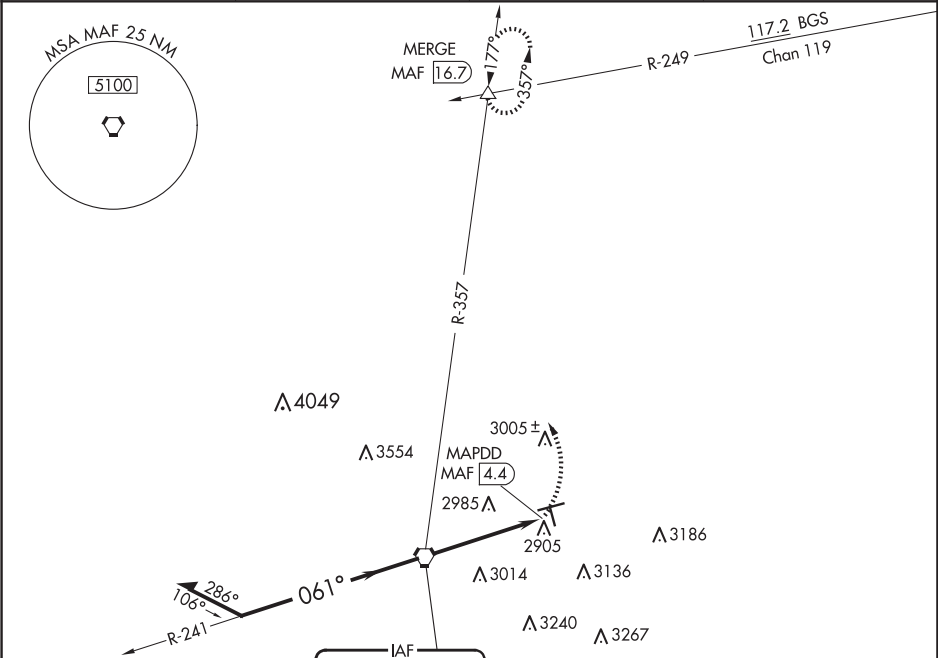
MIDLAND AIRPARK (MDD)
VOR RWY 25

SC-3, 12 JUN 2025 to 07 AUG 2025

VORTAC MAF	APP CRS	Rwy Idg	N/A
112.6	061°	TDZE	N/A
Chan 73		Apt Elev	2803

VOR-A
MIDLAND AIRPARK (MDD)

When local altimeter setting not received, use Midland Intl Air and Space Port altimeter setting and increase all MDAs 40 feet and Cat C visibility ¼ SM.		MISSED APPROACH: Climbing left turn to 4500 via MAF R-357 to MERGE Int and hold.	
AWOS-3 118.125	MIDLAND APP CON ★ 124.6 290.4	CLNC DEL 121.8	UNICOM 122.7 (CTAF) ①



Remain within 10 NM		MAF VORTAC		4500	MERGE
5100		241°		MAF R-357	
061°		4800		MAPDD MAF 4.4	
		4.4 NM			
CATEGORY	A	B	C	D	FAF to MAP 4.4 NM
CIRCLING	3380-1	577 (600-1)	3440-1¾ 635 (700-1¾)	3700-3 897 (900-3)	Knots Min:Sec
					60 4:24
					90 2:56
					120 2:12
					150 1:46
					180 1:28

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

MIDLAND, TEXAS

AL-258 (FAA)

25163

LOC/DME I-MAF 110.3 Chan 40	APP CRS 105°	Rwy Ldg TDZE Apt Elev	8177 2869 2872
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ILS or LOC RWY 10

MIDLAND INTL AIR AND SPACE PORT (MAF)

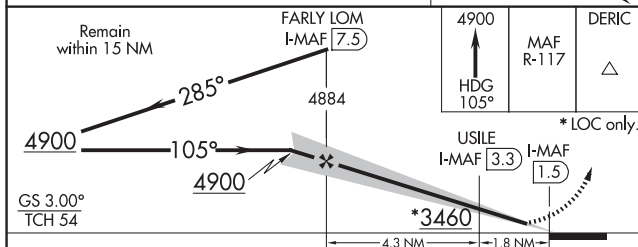
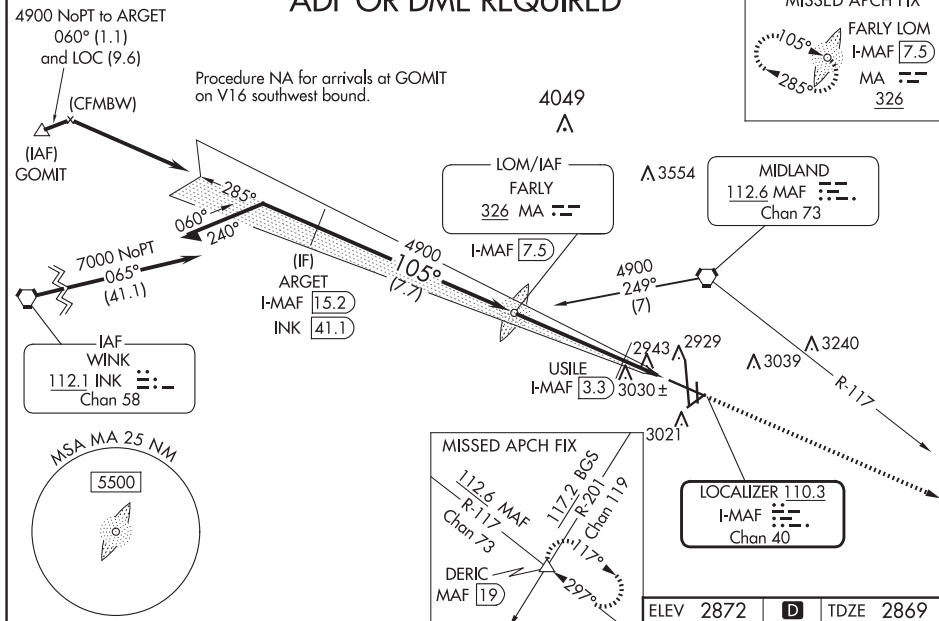
- ⚠** Circling Rwy 16L NA at night. For inop ALS, increase S-ILS 10 Cat E visibility to RVR 4000, S-LOC 10 Cat E visibility to 1¼ SM. USILE fix minimums increase S-LOC 10 Cat E visibility to 1% SM. ** RVR 1800 authorized with use of FD or AP or HUD to DA.



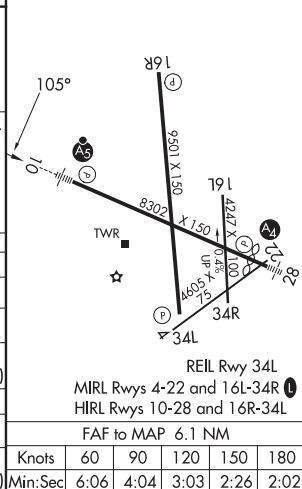
MISSED APPROACH: Climb to 4900 on heading 105° and on MAF VORTAC R-117 to DERIC INT/MAF 19 DME and hold.

ATIS 126.8 235.975	MIDLAND APP CON★ 124.6 290.4	MIDLAND TOWER★ 118.7 (CTAF) 0273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95
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ADF OR DME REQUIRED



CATEGORY	A	B	C	D	E
S-ILS 10 **	3069/24 200 (200-½)				
S-LOC 10	3460/24	591 (600-½)	3460-1¼	591 (600-1¼)	
CIRCLING	3460-1	588 (600-1)	3460-1¾ 588 (600-1¾)	3520-2 648 (700-2)	3600-2½ 728 (800-2½)
USILE FIX MINIMUMS					
S-LOC 10	3420/24	551 (600-½)	3420/60	551 (600-1¼)	
CIRCLING	3440-1	568 (600-1)	3440-1½ 568 (600-1½)	3520-2 648 (700-2)	3600-2½ 728 (800-2½)



MIDLAND, TEXAS
Amdt 16C 22JUN17

MIDLAND INTL AIR AND SPACE PORT (MAF)

31°57'N-102°12'W

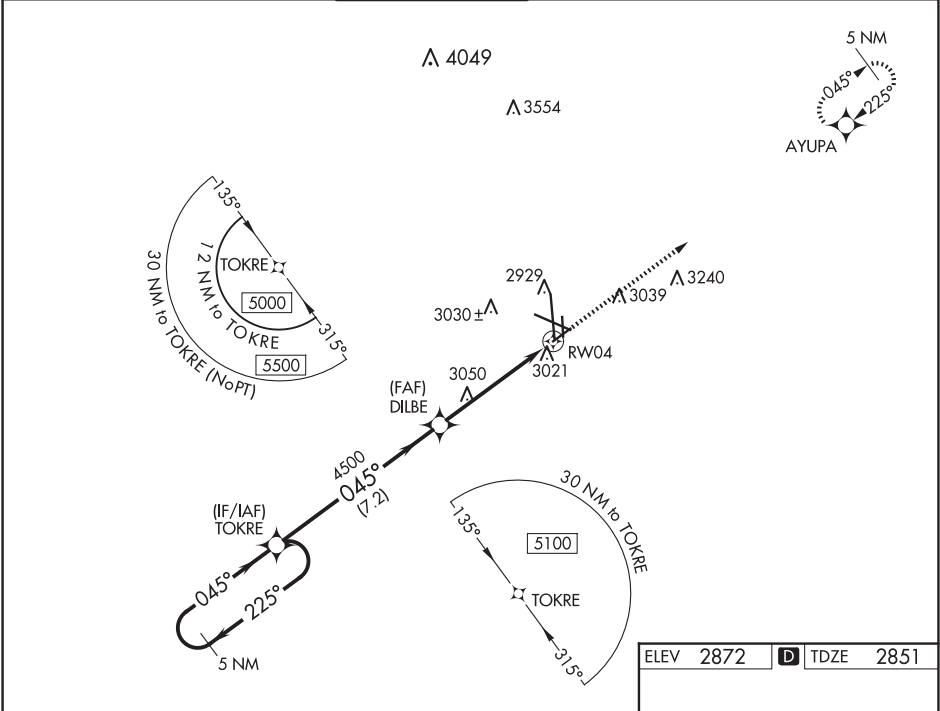
ILS or LOC RWY 10

WAAS CH 90529 W04A	APP CRS 045°	Rwy Ldg TDZE Apt Elev 4605 2851 2872
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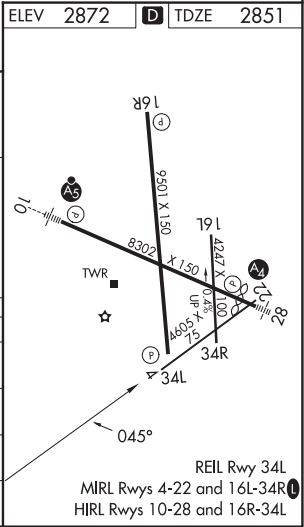
RNAV (GPS) RWY 4

MIDLAND INTL AIR AND SPACE PORT (MAF)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C (13°F) or above 25°C (77°F). Circling Rwy 16L NA at night. Rwy 4 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA.			MISSED APPROACH: Climb to 4700 direct AYUPA and hold.		
ATIS 126.8 235.975	MIDLAND APP CON★ 124.6 290.4	MIDLAND TOWER★ 118.7 (CTAF) 273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95



5 NM Holding Pattern		TOKRE		DILBE		RW04	
5000		225°		045°		4500	
GP 3.00°		TCH 45		7.2 NM		3.5 NM	
CATEGORY		A		B		C	
LPV DA		3051-¾		200 (200-¾)			
LNAV/VNAV DA		3283-1½		432 (500-1½)			
LNAV MDA		3360-1 509 (500-1)		3360-1¾ 509 (500-1¾)			
CIRCLING		3440-1 568 (600-1)		3440-1½ 568 (600-1½)		3520-2 648 (700-2)	



MIDLAND, TEXAS

AL-258 (FAA)

25163

WAAS CH 69310 W10A	APP CRS 105°	Rwy Ldg TDZE 2869 Apt Elev 2872
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RNAV (GPS) RWY 10

MIDLAND INTL AIR AND SPACE PORT (M.A.F')

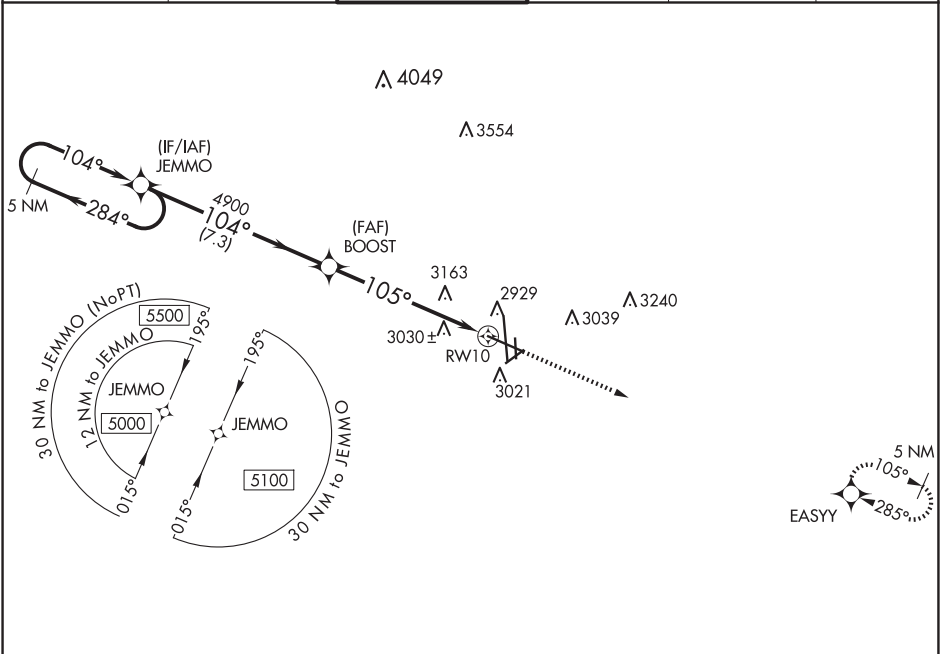
▼

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C (13°F) or above 25°C (77°F). Circling Rwy 16L NA at night. DME/DME RNP-0.3 NA.
** RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH:
Climb to 4700 direct
EASYY and hold.

ATIS 126.8 235.975	MIDLAND APP CON* 124.6 290.4	MIDLAND TOWER* 118.7 (CTAF) 273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95
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5 NM Holding Pattern

4700

EASYY

JEMMO

BOOST

RW10

5000

4900

3021

GP 3.00°

TCH 54

284°

104°

105°

7.3 NM

4.4 NM

1.8 NM

*LNAV only

CATEGORY	A	B	C	D
LPV DA **	3069/24 200 (200-½)			
LNAV/VNAV DA	3394-1¼ 525 (600-1¼)			
LNAV MDA	3480/24 611 (700-½)	3480-1¾ 611 (700-1¾)		
CIRCLING	3480-1 608 (700-1)	3480-1¾ 608 (700-1¾)	3520-2 648 (700-2)	

ELEV 2872

D

TDZE 2869

891

9501 X 150

191

4247 X 150

8302

1000

34R

34L

TWR

REIL Rwy 34L

MIRL Rwy 4-22 and 16L-34R

HIRL Rwy 10-28 and 16R-34L

MIDLAND, TEXAS
Amdt 2C 12OCT17

MIDLAND INTL AIR AND SPACE PORT (M.A.F')
31°57'N-102°12'W
RNAV (GPS) RWY 10

SC-3, 12 JUN 2025 to 07 AUG 2025

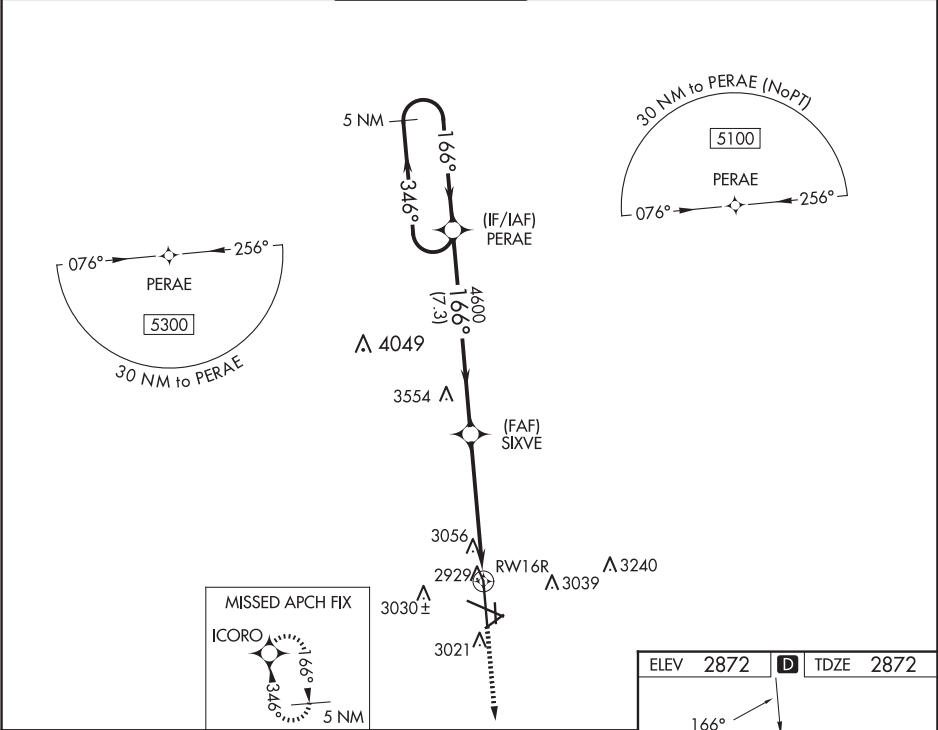
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 61329 W16A	APP CRS 166°	Rwy Ldg TDZE Apt Elev	9501 2872 2872
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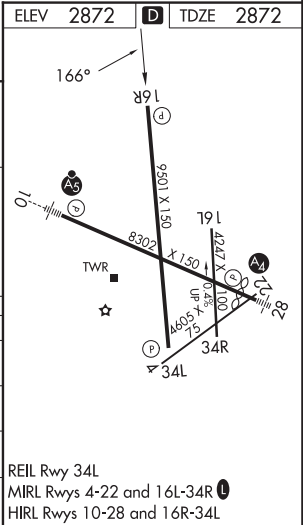
RNAV (GPS) RWY 16R

MIDLAND INTL AIR AND SPACE PORT (M.A.F.)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C (13°F) or above 25°C (77°F). Rwy 16R helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA. Circling Rwy 16L NA at night.			MISSED APPROACH: Climb to 4700 direct ICORO and hold.		
ATIS 126.8 235.975	MIDLAND APP CON* 124.6 290.4	MIDLAND TOWER* 118.7 (CTAF) 0273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95



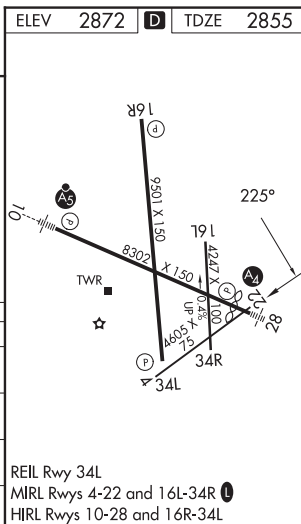
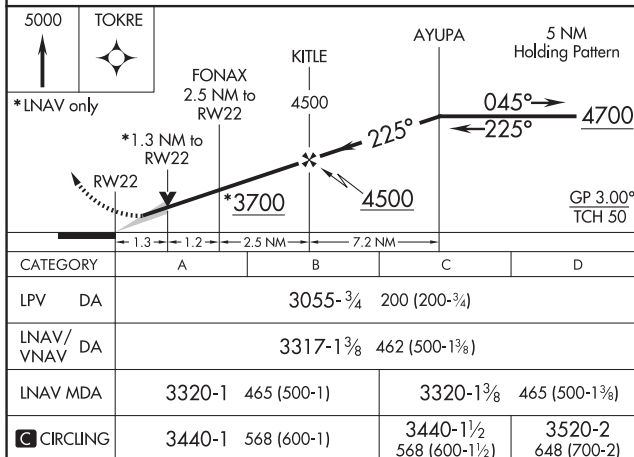
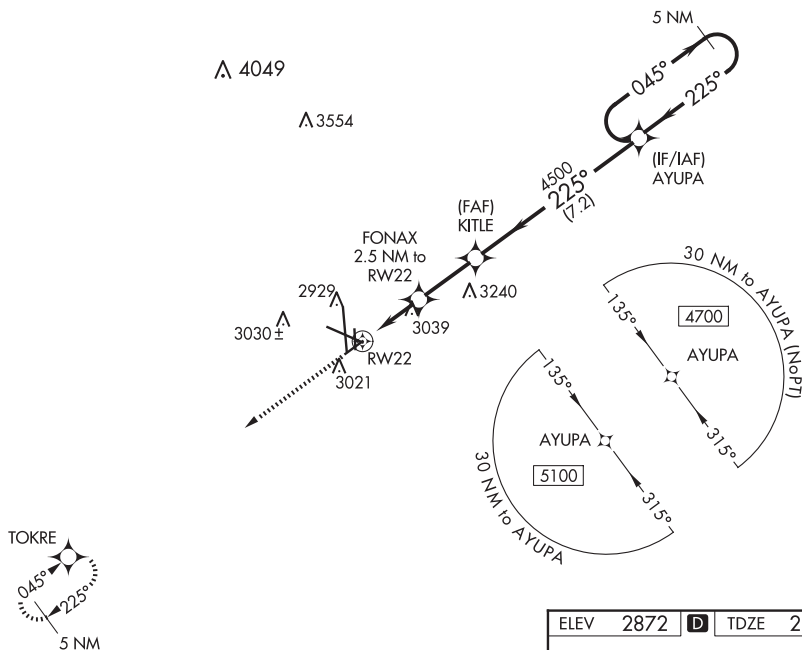
5 NM Holding Pattern		PERAE	SIXVE	4700	ICORO
5100 ← 346°		166° →	4600	*1.4 NM to RW16R	*LNAV only
GP 3.00°		4600	7.3 NM	3.9 NM	1.4 NM
TCH 50					
CATEGORY	A	B	C	D	
LPV DA		3072-3/4	200 (200-3/4)		
LNAV/VNAV DA		3398-13/4	526 (600-13/4)		
LNAV MDA	3360-1	488 (500-1)	3360-13/8	488 (500-13/8)	
CIRCLING	3440-1	568 (600-1)	3440-11/2	3520-2	
			568 (600-11/2)	648 (700-2)	



RNAV (GPS) RWY 22
MIDLAND INTL AIR AND SPACE PORT (MAF)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 25°C. Circling Rwy 16L NA at night.

ATIS	MIDLAND APP CON*	MIDLAND TOWER*	GND CON	CLNC DEL	UNICOM
126.8 235.975	124.6 290.4	118.7 (CTAF) 0273.45	121.9 348.6	118.05 317.65	122.95



31°57'N-102°12'W

MIDLAND INTL AIR AND SPACE PORT (MAF)
RNAV (GPS) RWY 22



MIDLAND, TEXAS

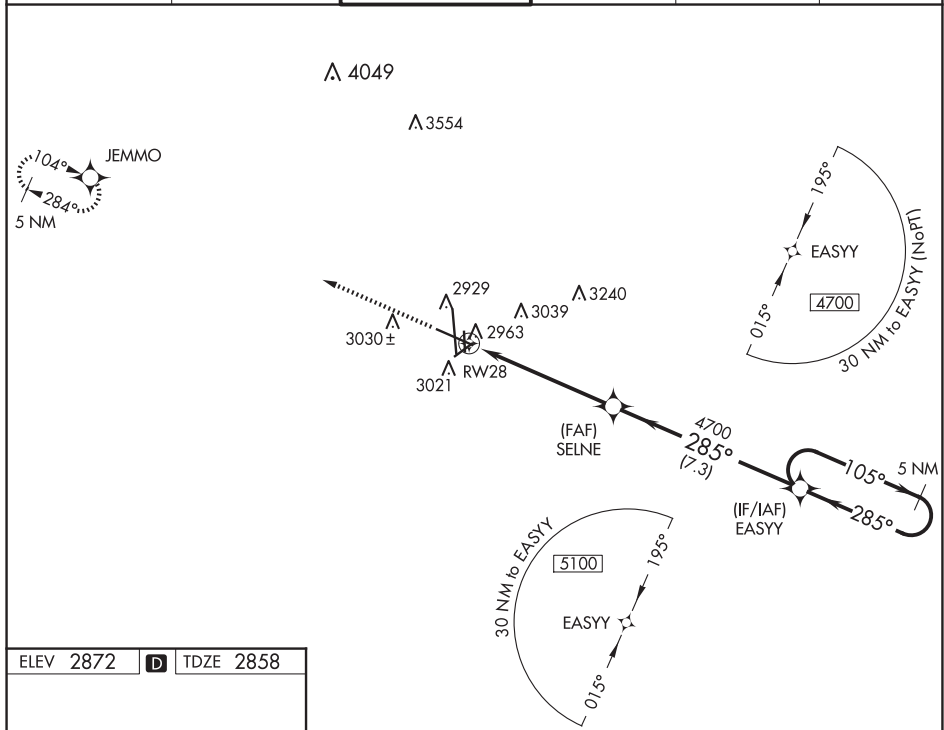
AL-258 (FAA)

25163

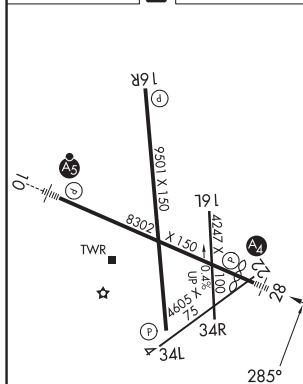
WAAS CH 81816 W28A	APP CRS 285°	Rwy Ldg 7610 TDZE 2858 Apt Elev 2872
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RNAV (GPS) RWY 28
MIDLAND INTL AIR AND SPACE PORT (MAF)

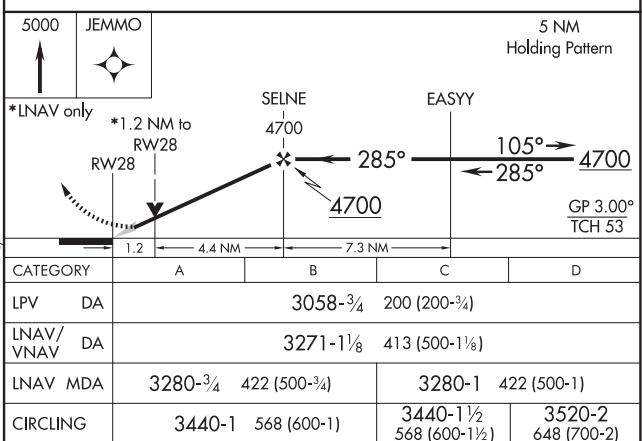
 For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C (13°F) or above 25°C (77°F). Circling Rwy 16L NA at night. DME/DME RNP-0.3 NA. Inop table does not apply to LPV all Cats.				 MALS		MISSED APPROACH: Climb to 5000 direct JEMMO and hold.	
ATIS 126.8 235.975		MIDLAND APP CON* 124.6 290.4		MIDLAND TOWER* 118.7 (CTAF) 0273.45		GND CON 121.9 348.6	
				CLNC DEL 118.05 317.65		UNICOM 122.95	



ELEV 2872	D	TDZE 2858
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REIL Rwy 34L
MIRL Rwys 4-22 and 16L-34R **L**
HIRL Rwys 10-28 and 16R-34L



MIDLAND, TEXAS
Amdt 2B 22JUN17

MIDLAND INTL AIR AND SPACE PORT (MAF)

31°57'N-102°12'W

RNAV (GPS) RWY 28

331

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

MIDLAND, TEXAS

AL-258 (FAA)

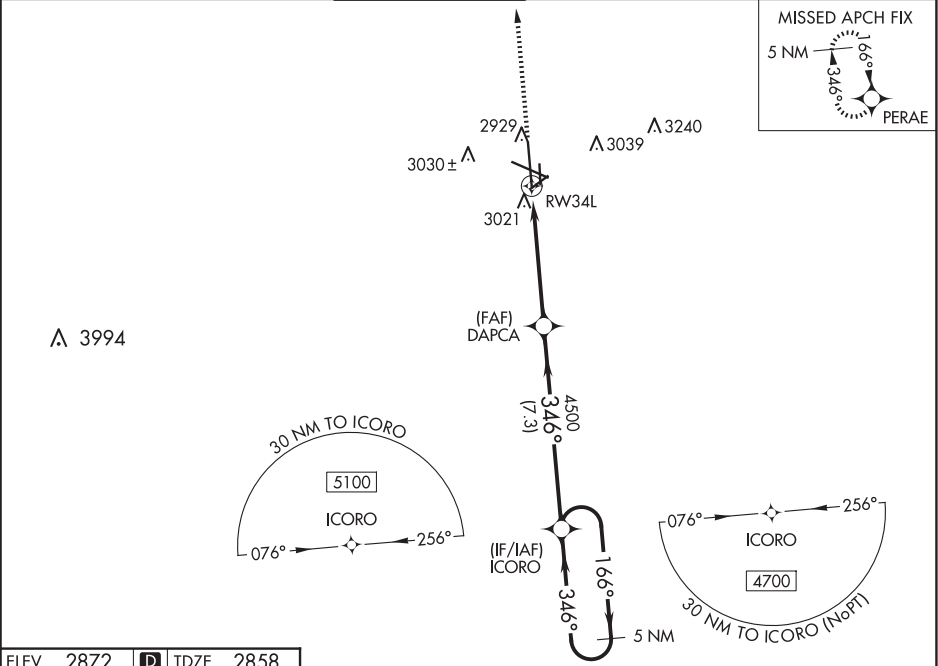
25163

WAAS CH 66029 W34A	APP CRS 346°	Rwy Ldg TDZE Apt Elev	9501 2858 2872
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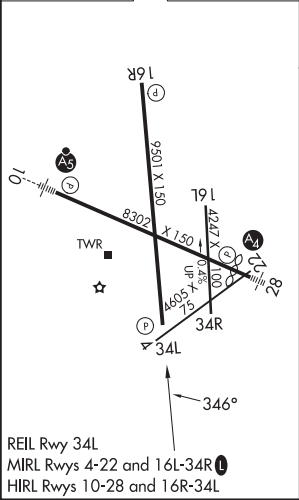
RNAV (GPS) RWY 34L
MIDLAND INTL AIR AND SPACE PORT (M.A.F.)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C (13°F) or above 26°C (78°F). Circling Rwy 16L NA at night. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 5100 direct PERAE and hold.
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ATIS 126.8 235.975	MIDLAND APP CON★ 124.6 290.4	MIDLAND TOWER★ 118.7 (CTAF) 0 273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95
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ELEV 2872	D	TDZE 2858
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MIDLAND, TEXAS
Amdt 1B 22JUN17

	5100	PERAE	* LNAV only	DAPCA	ICORO	5 NM Holding Pattern
				4500	4700	
				346°	166°	
				346°	346°	
				4500		
				1.2	3.8 NM	7.3 NM
CATEGORY	A	B	C	D		
LPV DA	3058-¾	200 (200-¾)				
LNAV/VNAV DA	3203-1⅛	345 (400-1⅛)				
LNAV MDA	3280-1	422 (500-1)	3280-1¼	422 (500-1¼)		
CIRCLING	3440-1	568 (600-1)	3440-1½	568 (600-1½)	3520-2	648 (700-2)

31°57'N-102°12'W

MIDLAND INTL AIR AND SPACE PORT (M.A.F.)
RNAV (GPS) RWY 34L

SC-3, 12 JUN 2025 to 07 AUG 2025

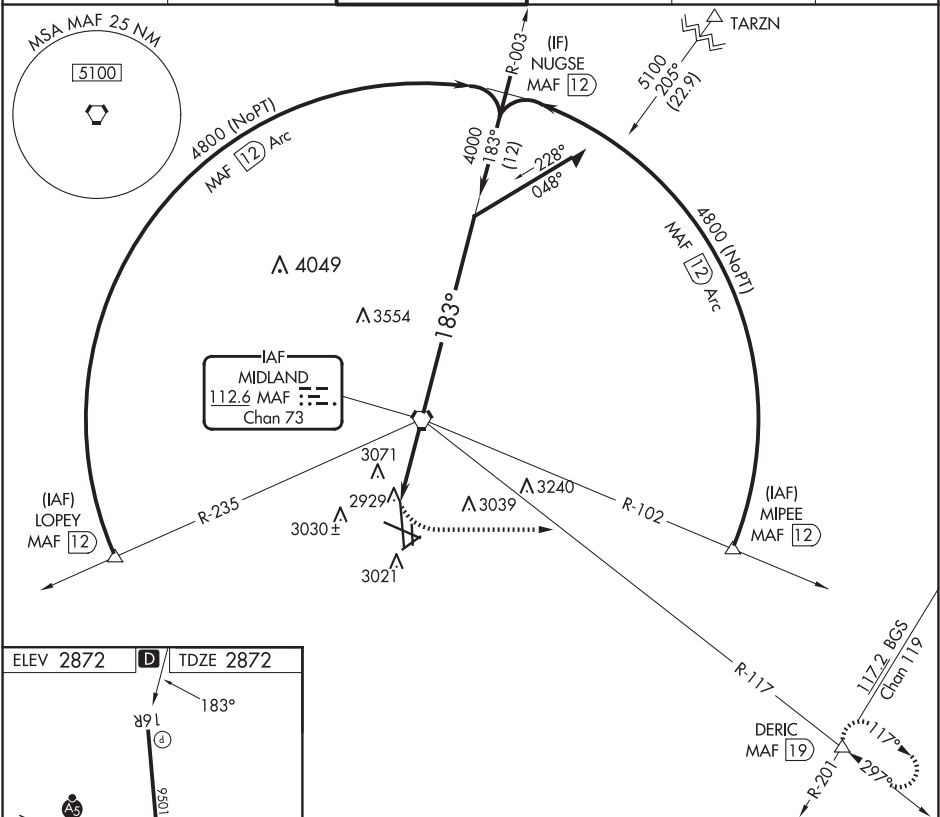
SC-3, 12 JUN 2025 to 07 AUG 2025

VORTAC MAF 112.6 Chan 73	APP CRS 183°	Rwy Ldg TDZE Apt Elev	9501 2872 2872
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VOR or TACAN RWY 16R
MIDLAND INTL AIR AND SPACE PORT (MAF)

⚠ Rwy 16R helicopter visibility reduction below ¾ SM NA. Circling Rwy 16L NA at night.	MISSED APPROACH: Climbing left turn to 4800 on heading 090° and on MAF VORTAC R-117 to DERIC INT/MAF 19 DME and hold.
--	---

ATIS 126.8 235.975	MIDLAND APP CON ★ 124.6 290.4	MIDLAND TOWER ★ 118.7 (CTAF) 0273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95
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MIDLAND, TEXAS

AL-258 (FAA)

25163

VORTAC MAF 112.6 Chan 73	APP CRS 357°	Rwy Ldg TDZE Apt Elev 9501 2858 2872
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VOR or TACAN RWY 34L

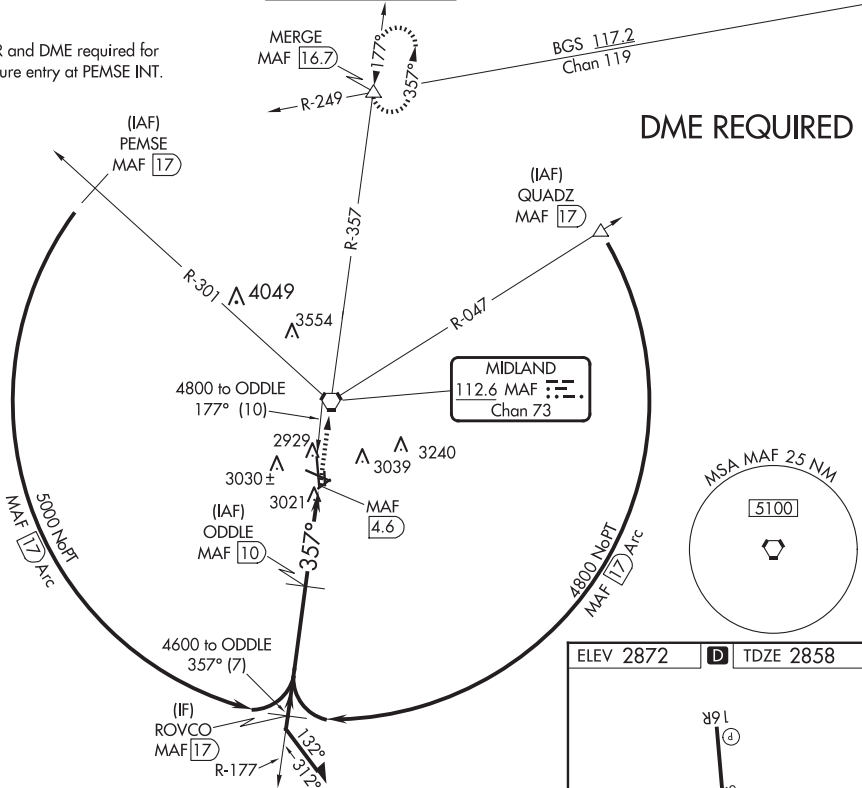
MIDLAND INTL AIR AND SPACE PORT (MAF)

⚠ Circling Rwy 16L NA at night. Rwy 34L helicopter visibility reduction below $\frac{3}{4}$ SM NA. DME required.

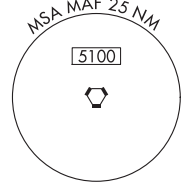
MISSED APPROACH: Climb to 4800 direct MAF VORTAC and on MAF VORTAC R-357 to MERGE INT/MAF 16.7 DME and hold.

ATIS 126.8 235.975	MIDLAND APP CON ★ 124.6 290.4	MIDLAND TOWER ★ 118.7 (CTAF) 0273.45	GND CON 121.9 348.6	CLNC DEL 118.05 317.65	UNICOM 122.95
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RADAR and DME required for procedure entry at PEMSE INT.

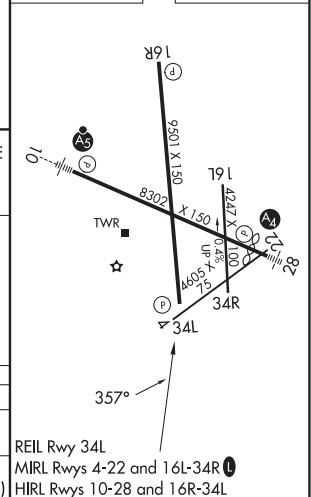


DME REQUIRED



ELEV 2872 **D** TDZE 2858

Remain within 10 NM	ODDLE MAF 10	4800	MAF	MAF R-357	MERGE
4800-357°	ROVCO MAF 17	4800	MAF 5.9	MAF 4.6	
Procedure turn not authorized for Cat E.	7 NM	4.1 NM	1.3 NM		
CATEGORY	A	B	C	D	E
S-34L	3320-1	462 (500-1)	3320-1 $\frac{3}{8}$	462 (500-1 $\frac{3}{8}$)	
CIRCLING	3440-1	568 (600-1)	3440-1 $\frac{1}{2}$ 568 (600-1 $\frac{1}{2}$)	3520-2 648 (700-2)	3600-2 $\frac{1}{2}$ 728 (800-2 $\frac{1}{2}$)

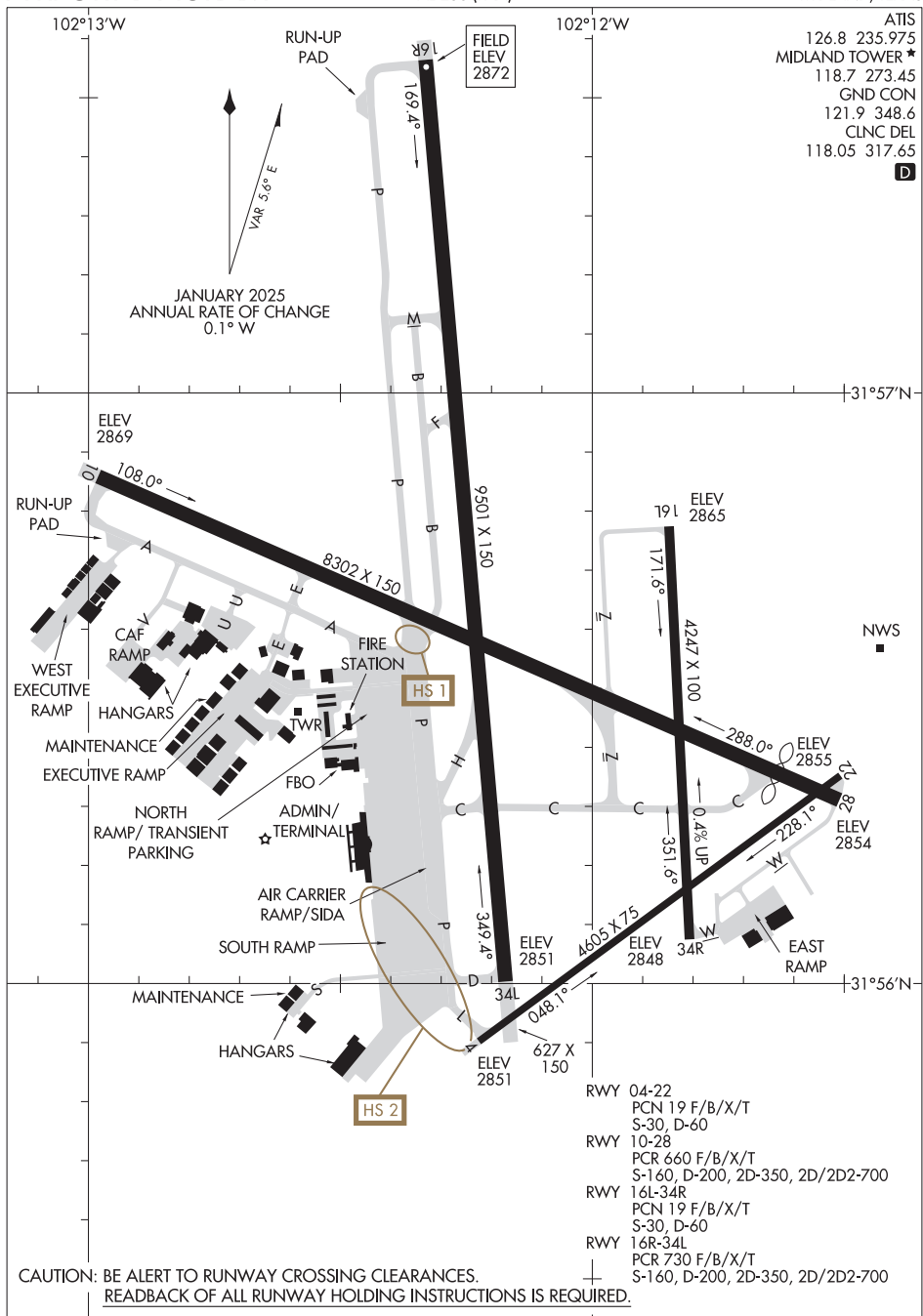


MIDLAND, TEXAS
Amdt 10B 22JUN17

31°57'N-102°12'W

MIDLAND INTL AIR AND SPACE PORT (MAF)
VOR or TACAN RWY 34L

SC-3, 12 JUN 2025 to 07 AUG 2025



MONAHANS, TEXAS

AL-6748 (FAA)

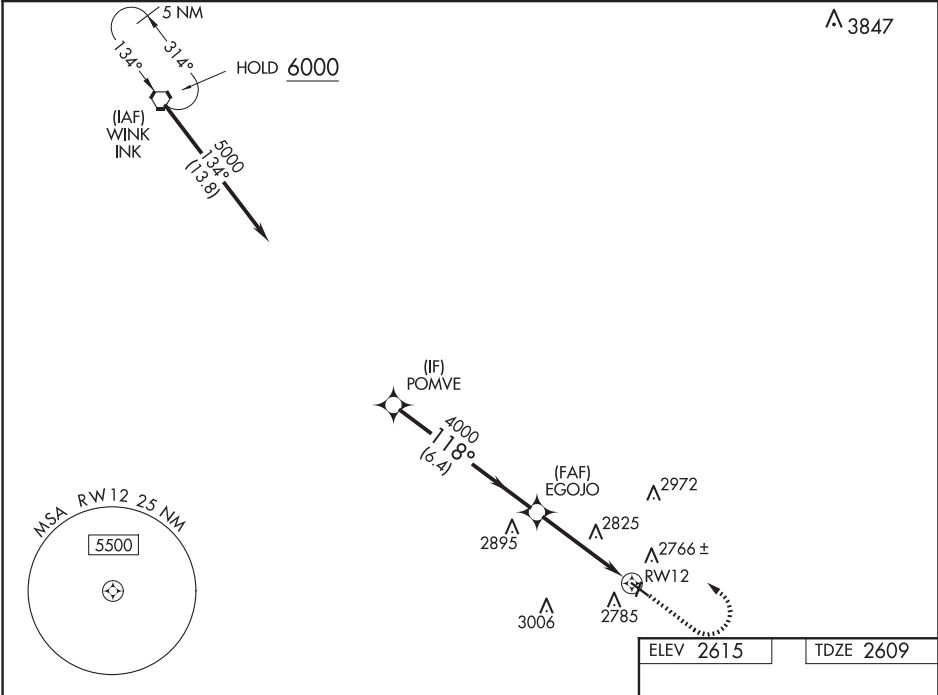
25163

WAAS CH 57927 W12A	APP CRS 118°	Rwy Ldg TDZE 2609 Apt Elev 2615
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RNAV (GPS) RWY 12
ROY HURD MEML (E01)

RNP APCH GPS. ▼ When local altimeter setting not received, use INK altimeter setting and increase all MDAs 80 feet and LNAV visibility Cat C ¾ SM, and LP visibility Cat C ½ SM, and ▲ Circling visibility Cat C ½ SM. Rwy 12 helicopter visibility reduction below 1 SM NA. Straight-in Rwy 12 NA at night, Circling Rwy 1, 12, 19 NA at night.		MISSED APPROACH: Climb to 3200 then climbing left turn to 6000 direct INK VORTAC and hold.
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AWOS-3PT 118.225	FORT WORTH CENTER 133.1 298.95	UNICOM 122.8 (CTAF) 0
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VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 24).		3200	6000	INK
CATEGORY	A	B	C	D
LP MDA	3100-1	491 (500-1)	3100-1 3/8 491 (500-1 3/8)	NA
LNAV MDA	3120-1	511 (600-1)	3120-1 3/8 511 (600-1 3/8)	NA
CIRCLING	3280-1	665 (700-1)	3280-1 3/4 665 (700-1 3/4)	NA

MONAHANS, TEXAS
Orig-B 12JUN25

31°35' N-102°55' W

ROY HURD MEML (E01)
RNAV (GPS) RWY 12

SC-3, 12 JUN 2025 to 07 AUG 2025

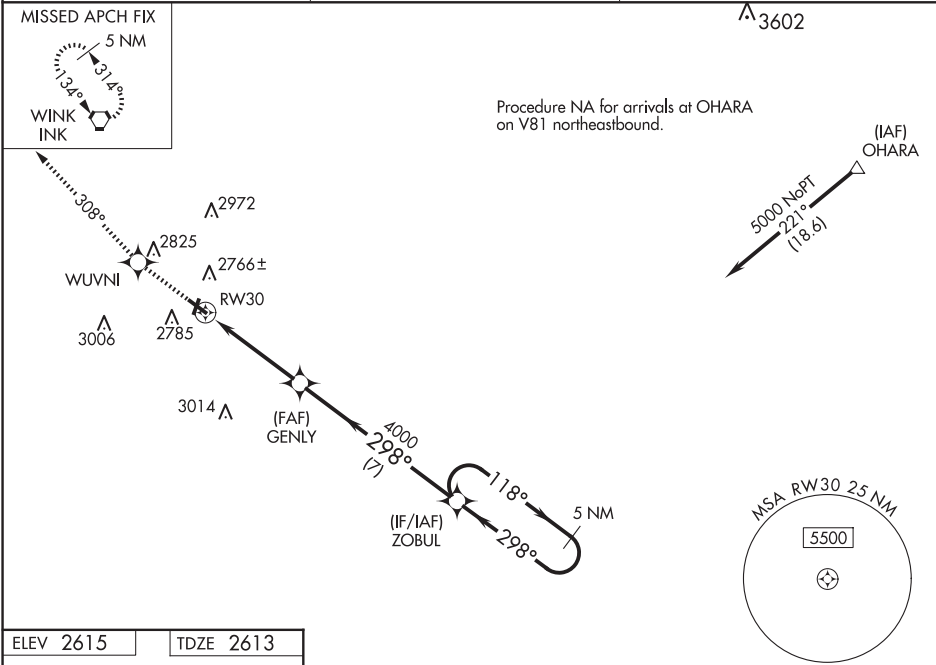
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 78027 W30A	APP CRS 298°	Rwy Ldg TDZE 2613 Apt Elev 2615
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RNAV (GPS) RWY 30
ROY HURD MEML (E01)

RNP APCH GPS. ▼ When local altimeter setting not received, use INK altimeter setting and increase all MDAs 80 feet and LNAV visibility Cat C ¼ SM, and LP visibility Cat C ¼ SM, and Circling visibility Cat C ½ SM. Rwy 30 helicopter visibility reduction below ¼ SM NA. VDP NA when using INK altimeter setting. Circling Rwy 1, 12, 19 NA at night. ▲	MISSED APPROACH: Climb to 6000 direct WUVNI and on track 308 to NK VORTAC and hold.
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AWOS-3PT 118.225	FORT WORTH CENTER 133.1 298.95	UNICOM 122.8 (CTAF) 0
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ELEV 2615	TDZE 2613
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6000


↑

WUVNI



tr 308°

INK



5 NM Holding Pattern

12


61

4268 X 75

2922 X 75

30

298°



1.3 NM to RW30

RW30

1.3 NM

2.9 NM

7 NM

ZOBUL

GENLY

4000

118°

298°


5000

3.00°

TCH 45

CATEGORY	A	B	C	D
LP MDA	3080-1	467 (500-1)	3080-1 ³ / ₈ 467 (500-1 ³ / ₈)	NA
LNAV MDA	3100-1	487 (500-1)	3100-1 ³ / ₈ 487 (500-1 ³ / ₈)	NA
CIRCLING	3280-1	665 (700-1)	3280-1 ³ / ₄ 665 (700-1 ³ / ₄)	NA

MIRL Rwy 1-19 and 12-30



MONAHANS, TEXAS

AL-6748 (FAA)

25163

VORTAC INK	APP CRS	Rwy Ldg	4268
112.1	125°	TDZE	2609
Chan 58		Apt Elev	2615

VOR/DME RWY 12
ROY HURD MEML (E01)

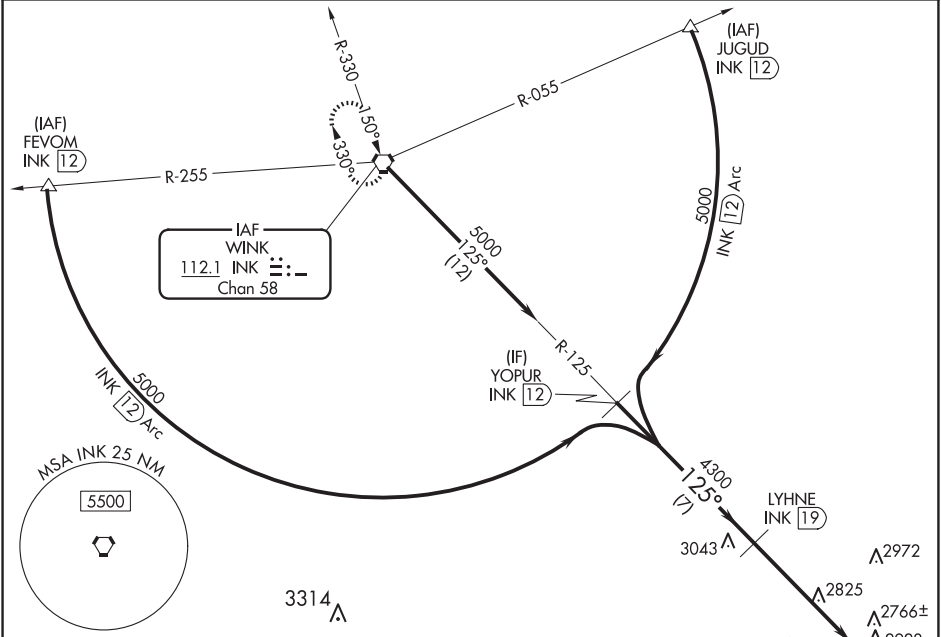
⚠ When local altimeter setting not received, use INK altimeter setting and increase all MDAs 80 feet and S-12 visibility Cat C ½ SM, and Circling visibility Cat C ½ SM.

⚠ Straight-in Rwy 12 NA at night, Circling Rwy 1, 12, 19 NA at night.

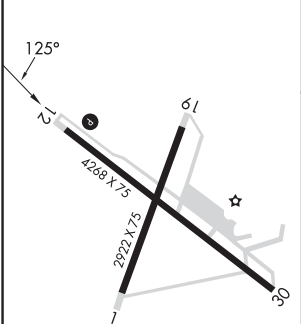
Rwy 12 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 5000 direct INK VORTAC and hold.

AWOS-3PT 118.225	FORT WORTH CENTER 133.1 298.95	UNICOM 122.8 (CTAF) 1
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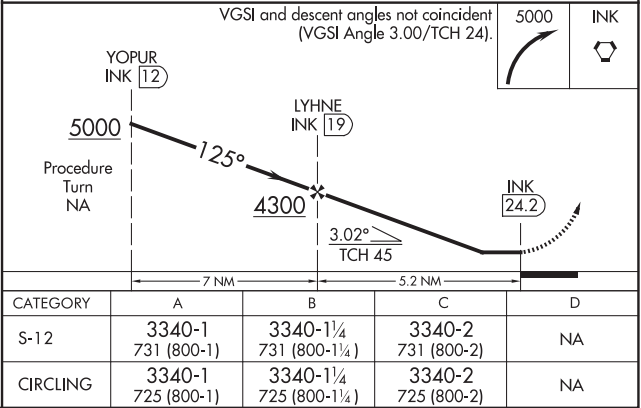


ELEV 2615	TDZE 2609
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MRL Rwy 1-19 and 12-30 1

CATEGORY	A	B	C	D
S-12	3340-1 731 (800-1)	3340-1¼ 731 (800-1¼)	3340-2 731 (800-2)	NA
CIRCLING	3340-1 725 (800-1)	3340-1¼ 725 (800-1¼)	3340-2 725 (800-2)	NA



MONAHANS, TEXAS
Amdt 1D 12JUN25

31°35'N-102°55'W

ROY HURD MEML (E01)
VOR/DME RWY 12

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 82435 W13A	APP CRS 128°	Rwy Idg TDZE Apt Elev	6503 658 658
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RNAV (GPS) RWY 13

NEW BRAUNFELS NTL (BAZ)

RNP APCH

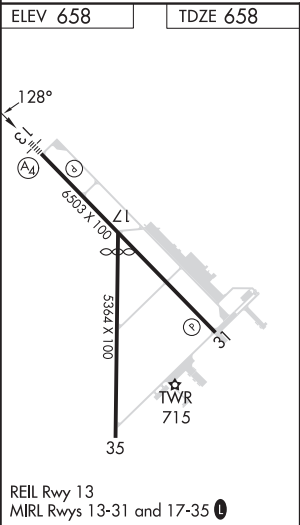
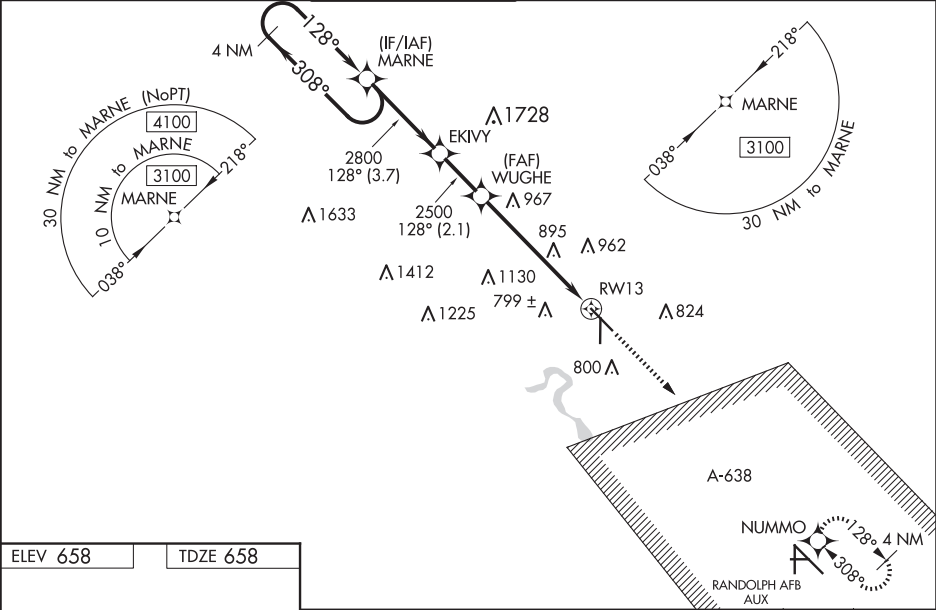
▼
▲

When local altimeter setting not received, use San Marcos Rgnl altimeter setting; increase LPV DA to 951 feet, LNAV/VNAV DA to 1169 feet; increase all MDAs 60 feet and visibility LNAV and Circling Cat C/D ¼ SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using San Marcos altimeter setting. For inop ALS, increase LNAV/VNAV visibility to 1 ½ SM. Inop table does not apply to LPV all Cats and LNAV Cats A/B. For inop ALS when using San Marcos Rgnl altimeter setting, increase LPV all Cats visibility to ¾ SM and LNAV/VNAV all Cats visibility to 1 ½ SM. When using San Marcos Rgnl altimeter setting, inop table does not apply to LNAV Cats A/B.

MALS
A4

MISSED APPROACH:
Climb to 3500 direct NUMMO and hold, continue climb-in-hold to 3500.

ATIS 119.325	SAN ANTONIO APP CON 124.45 335.625	NEW BRAUNFELS TOWER* 127.05 (CTAF) 0 285.4	GND CON 120.175	CINC DEL 134.75	CINC DEL 134.75 (When twr closed)	UNICOM 122.7
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<div>4 NM Holding Pattern</div> <div>MARNE</div> <div>EKIVY</div> <div>WUGHE</div> <div>2500</div> <div>2800</div> <div>2500</div> <div>3.7 NM</div> <div>2.1 NM</div> <div>4 NM</div> <div>1.6 NM</div> <div>RW13</div> <div>GP 3.00° TCH 50</div> <div>3100 ← 308° 128° → 128°</div> <div>*1.6 NM to RW13</div> <div>*LNAV only.</div> <div>3500</div> <div>NUMMO</div>				
CATEGORY	A	B	C	D
LPV DA	908-¾		250 (300-¾)	
LNAV/ VNAV DA	1126-1¼		468 (500-1¼)	
LNAV MDA	1220-1	562 (600-1)	1220-1¾	562 (600-1¾)
CIRCLING	1220-1 562 (600-1)	1240-1 582 (600-1)	1280-1¾ 622 (700-1¾)	1320-2 662 (700-2)

NEW BRAUNFELS, TEXAS

AL-6080 (FAA)

24361

APP CRS	Rwy Idg	4842
173°	TDZE	651
	Apt Elev	658

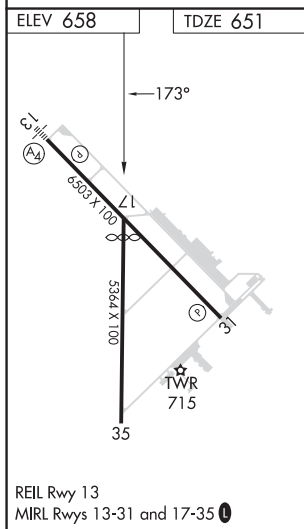
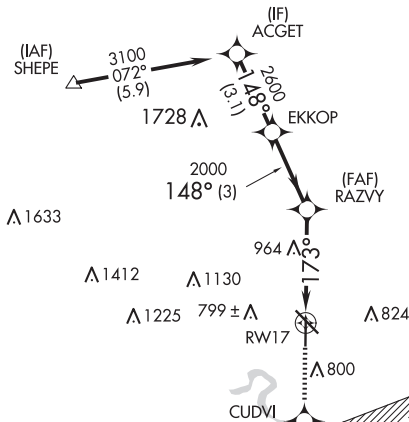
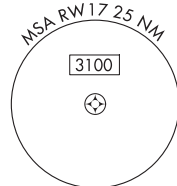
RNAV (GPS) RWY 17

NEW BRAUNFELS NTL (BAZ)

RNP APCH.	MISSED APPROACH: Climb to 3500 direct CUDVI and via 112° track to NUMMO and hold, continue climb-in-hold to 3500.
When local altimeter setting not received, use San Marcos Rgnl altimeter setting and increase all MDAs 60 feet and visibility Cat C ¼ SM. VDP NA when using San Marcos Rgnl altimeter setting.	

ATIS 119.325	SAN ANTONIO APP CON 124.45 335.625	NEW BRAUNFELS TOWER* 127.05 (CTAF) 285.4	GND CON 120.175	CLNC DEL 134.75	CLNC DEL 134.75 (When twr closed)	UNICOM 122.7
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Procedure NA for arrivals at SHEPE via V17 southwest bound.



3500	CUDVI	tr 112°	NUMMO				

NEW BRAUNFELS, TEXAS
Orig-B 07NOV19

29°42'N-98°02'W

NEW BRAUNFELS NTL (BAZ)

RNAV (GPS) RWY 17

SC-3, 12 JUN 2025 to 07 AUG 2025

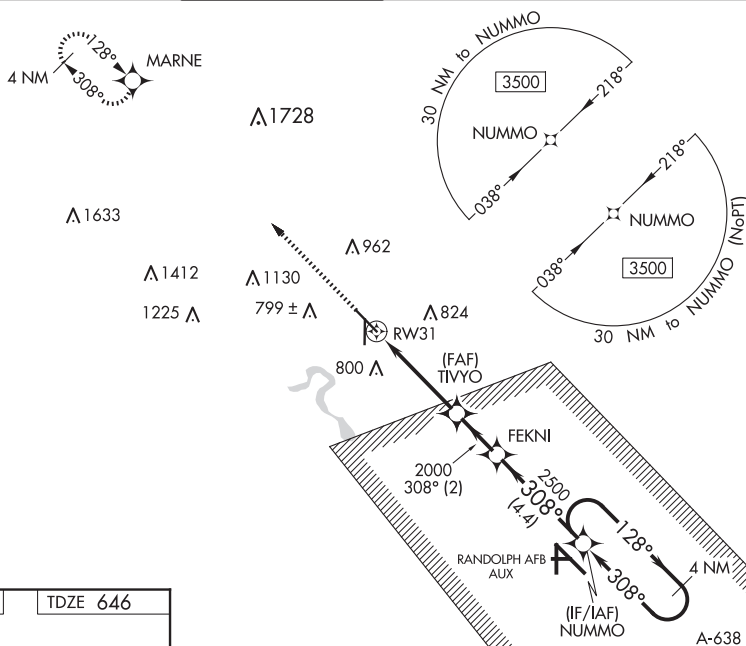
WAAS CH 86435 W31A	APP CRS 308°	Rwy Idg 6503 TDZE 646 Apt Elev 658
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RNAV (GPS) RWY 31
NEW BRAUNFELS NTL (BAZ)

T DME/DME RNP-0.3 NA. When local altimeter setting not received, use San Marcos altimeter setting and increase all DA 43 feet and all MDA 60 feet, and increase LPV all Cats, LNAV/VNAV all Cats, and Circling Cts C and D visibility $\frac{1}{2}$ mile, and LNAV Cts C and D visibility $\frac{1}{2}$ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C (23°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using San Marcos altimeter setting. Helicopter visibility reduction below $\frac{3}{4}$ SM NA.

MISSED APPROACH:
Climb to 3100 direct
MARNE and hold.

ATIS 119.325	SAN ANTONIO APP CON 124.45 335.625	NEW BRAUNFELS TOWER* 127.05 (CTAF) 285.4	GND CON 120.175	CLNC DEL 134.75	CLNC DEL 134.75 (When twr closed)	UNICOM 122.7
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ELEV 658

TDZE 646

REIL Rwy 13

MRL Rwy 13-31 and 17-35

VGSI and RNAV glidepath not coincident
(VGSI Angle 3.00/TCH 50).

CATEGORY	A	B	C	D
LPV DA		896- $\frac{3}{4}$	250 (300- $\frac{3}{4}$)	
LNAV/VNAV DA		1068- $1\frac{3}{4}$	422 (500- $1\frac{1}{4}$)	
LNAV MDA	1080-1	434 (500-1)	1080- $1\frac{1}{4}$	434 (500- $1\frac{1}{4}$)
C CIRCLING	1100-1 442 (500-1)	1240-1 582 (600-1)	1280- $1\frac{3}{4}$ 622 (700- $1\frac{3}{4}$)	1320-2 662 (700-2)

NEW BRAUNFELS, TEXAS

AL-6080 (FAA)

24361

WAAS CH 93900 W35A	APP CRS 353°	Rwy Idg TDZE 650 Apt Elev 658
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RNAV (GPS) RWY 35

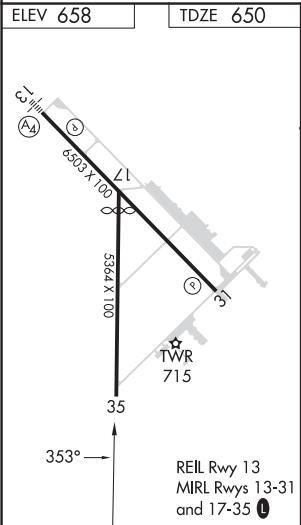
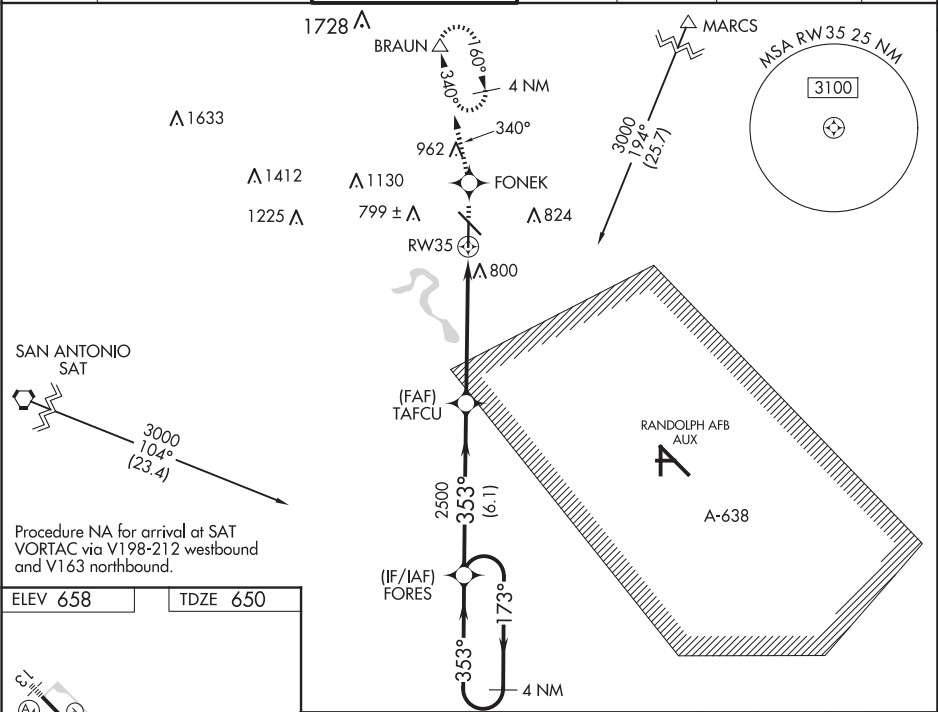
NEW BRAUNFELS NTL (BAZ)

RNP APCH.

When local altimeter setting not received, use San Marcos Rgnl altimeter setting; increase LPV DA to 972 feet, LNAV/VNAV DA to 1153 feet; increase all MDAs 60 feet and visibility LNAV Cat C and D ¼ SM. Baro-VNAV and VDP NA when using San Marcos Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F).

MISSED APPROACH: Climb to 3100 direct FONEK and via 340° track to BRAUN and hold, continue climb-in-hold to 3100.

ATIS 119.325	SAN ANTONIO APP CON 124.45 335.625	NEW BRAUNFELS TOWER★ 127.05 (CTAF) 285.4	GND CON 120.175	CLNC DEL 134.75	CLNC DEL 134.75 (When twr closed)	UNICOM 122.7
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4 NM Holding Pattern	FORES	3100	FONEK	BRAUN
3000	173°	353°	340°	tr
GP 3.00°	TCH 45	2500	TAFCU	*1.4 NM to RW35
6.1 NM	4.2 NM	1.4 NM		
CATEGORY	A	B	C	D
LPV DA		929-1	279 (300-1)	
LNAV/VNAV DA		1110-1¾	460 (500-1¾)	
LNAV MDA	1140-1	490 (500-1)	1140-1¾ 490 (500-1¾)	1140-1½ 490 (500-1½)

NEW BRAUNFELS, TEXAS
Amdt 2B 07NOV19

29°42'N-98°02'W

RNAV (GPS) RWY 35

NEW BRAUNFELS NTL (BAZ)

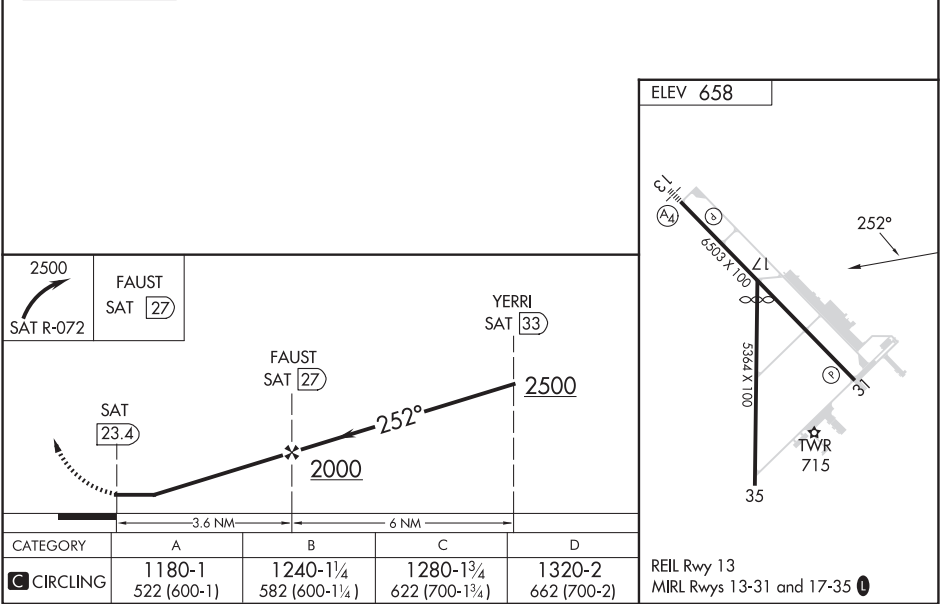
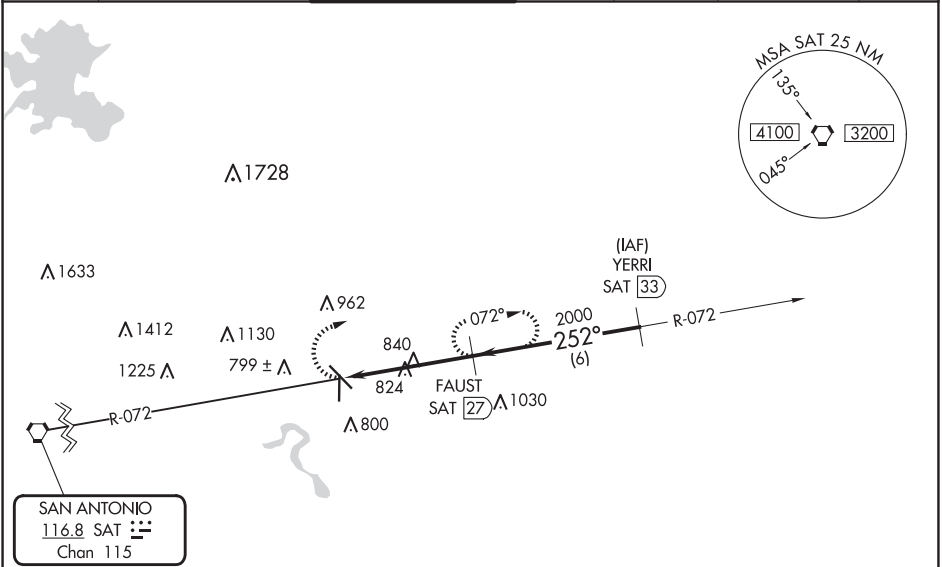
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

VORTAC SAT 116.8 Chan 115	APP CRS 252°	Rwy Idg TDZE Apt Elev N/A N/A 658
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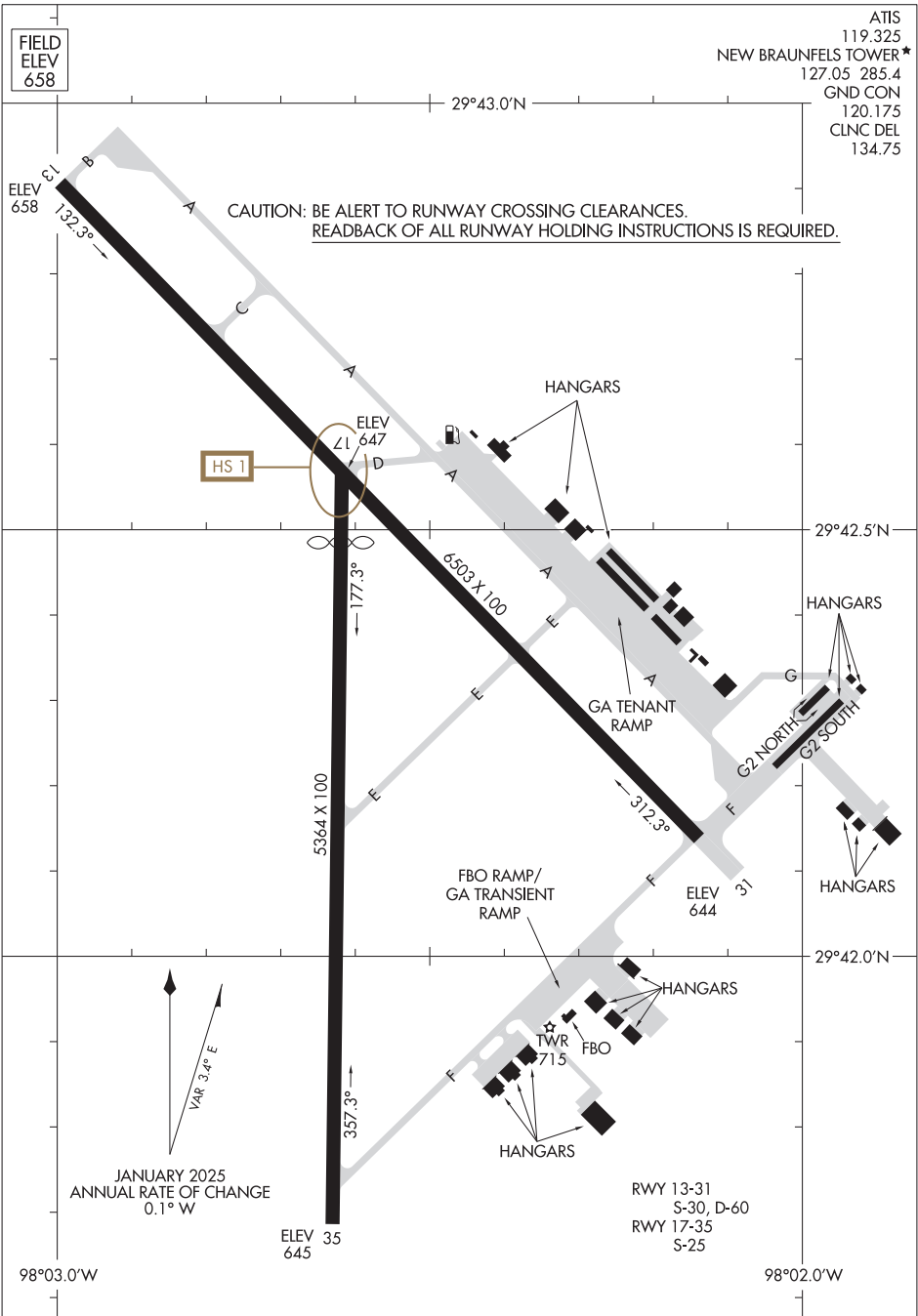
VOR/DME-A
NEW BRAUNFELS NTL (BAZ)

RADAR required for procedure entry.			MISSED APPROACH: Climbing right turn to 2500 on SAT R-072 to FAUST/27 DME and hold.			
▼						
ATIS 119.325	SAN ANTONIO APP CON 124.45 335.625	NEW BRAUNFELS TOWER* 127.05 (CTAF) 285.4	GND CON 120.175	CLNC DEL 134.75	CLNC DEL 134.75 (When twr closed)	UNICOM 122.7



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

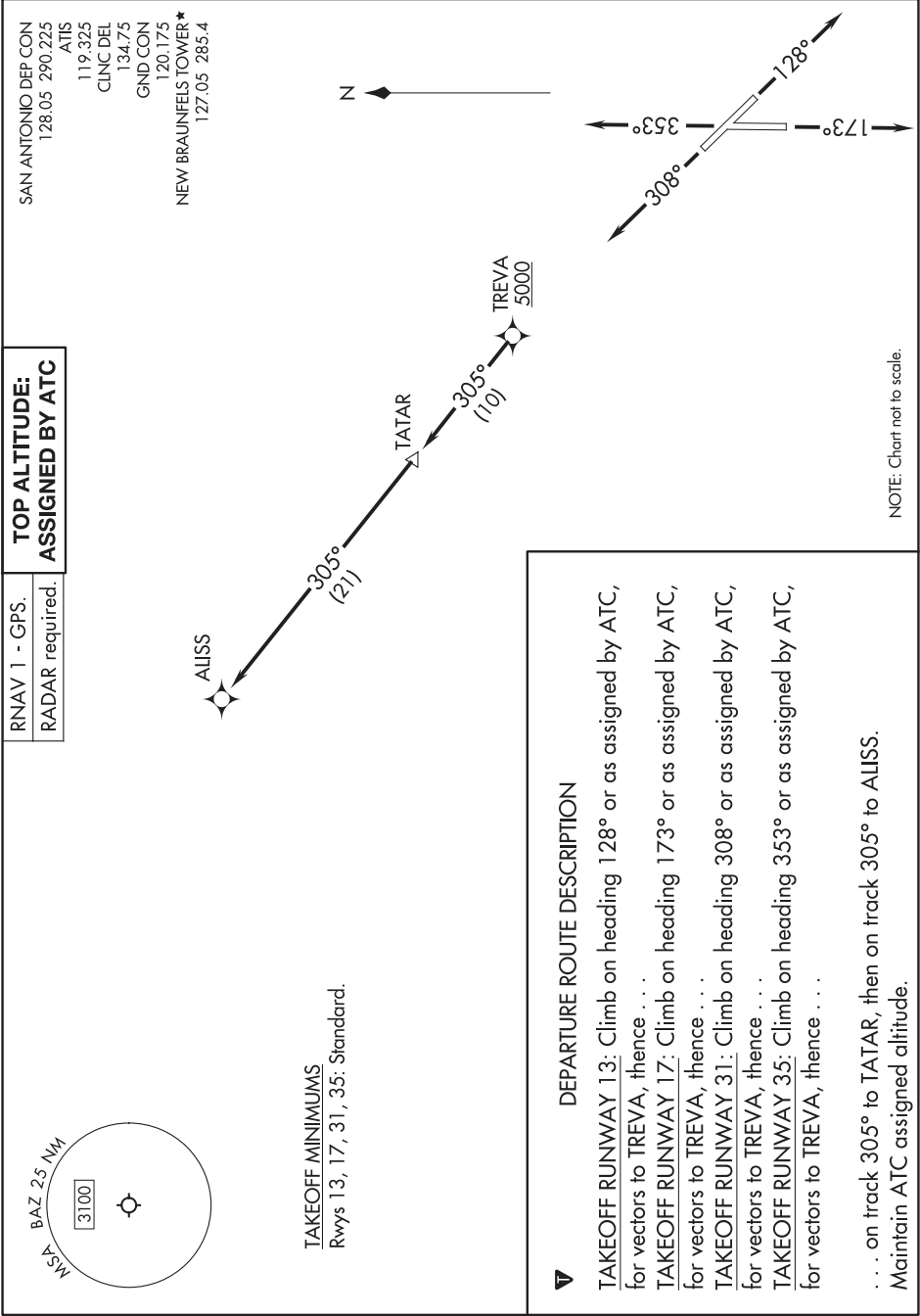
SC-3, 12 JUN 2025 to 07 AUG 2025

(ALISS6.ALISS) 24025

AL-6080 (FAA)

NEW BRAUNFELS NTL (BAZ)
NEW BRAUNFELS, TEXAS

ALISS SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 128° or as assigned by ATC, for vectors to TREVA, thence . . .

TAKEOFF RUNWAY 17: Climb on heading 173° or as assigned by ATC, for vectors to TREVA, thence . . .

TAKEOFF RUNWAY 31: Climb on heading 308° or as assigned by ATC, for vectors to TREVA, thence . . .

TAKEOFF RUNWAY 35: Climb on heading 353° or as assigned by ATC, for vectors to TREVA, thence . . .

. . . on track 305° to TATAR, then on track 305° to ALISS.
Maintain ATC assigned altitude.

ALISS SIX DEPARTURE (RNAV)

(ALISS6.ALISS) 25JAN24

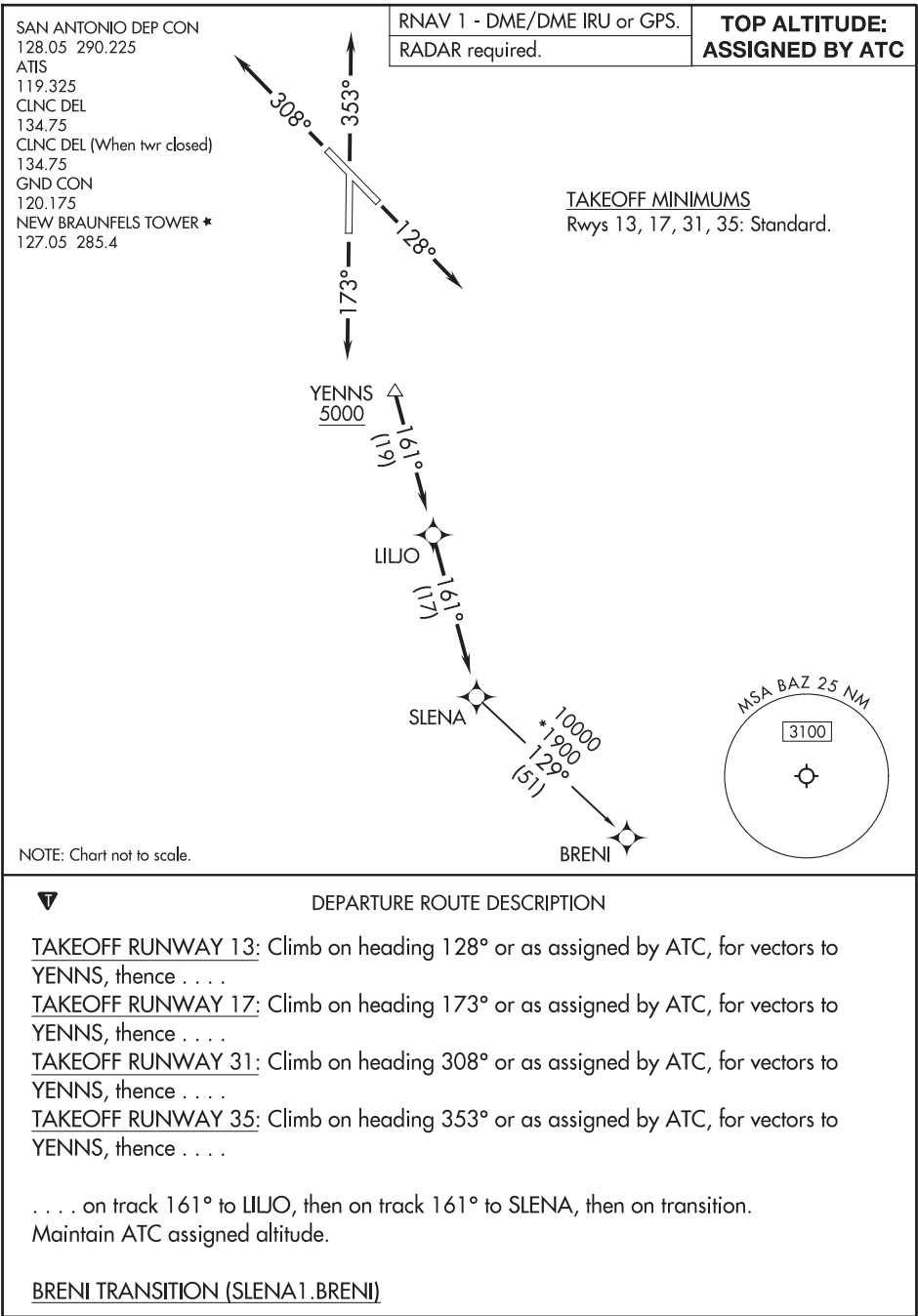
NEW BRAUNFELS, TEXAS
NEW BRAUNFELS NTL (BAZ)

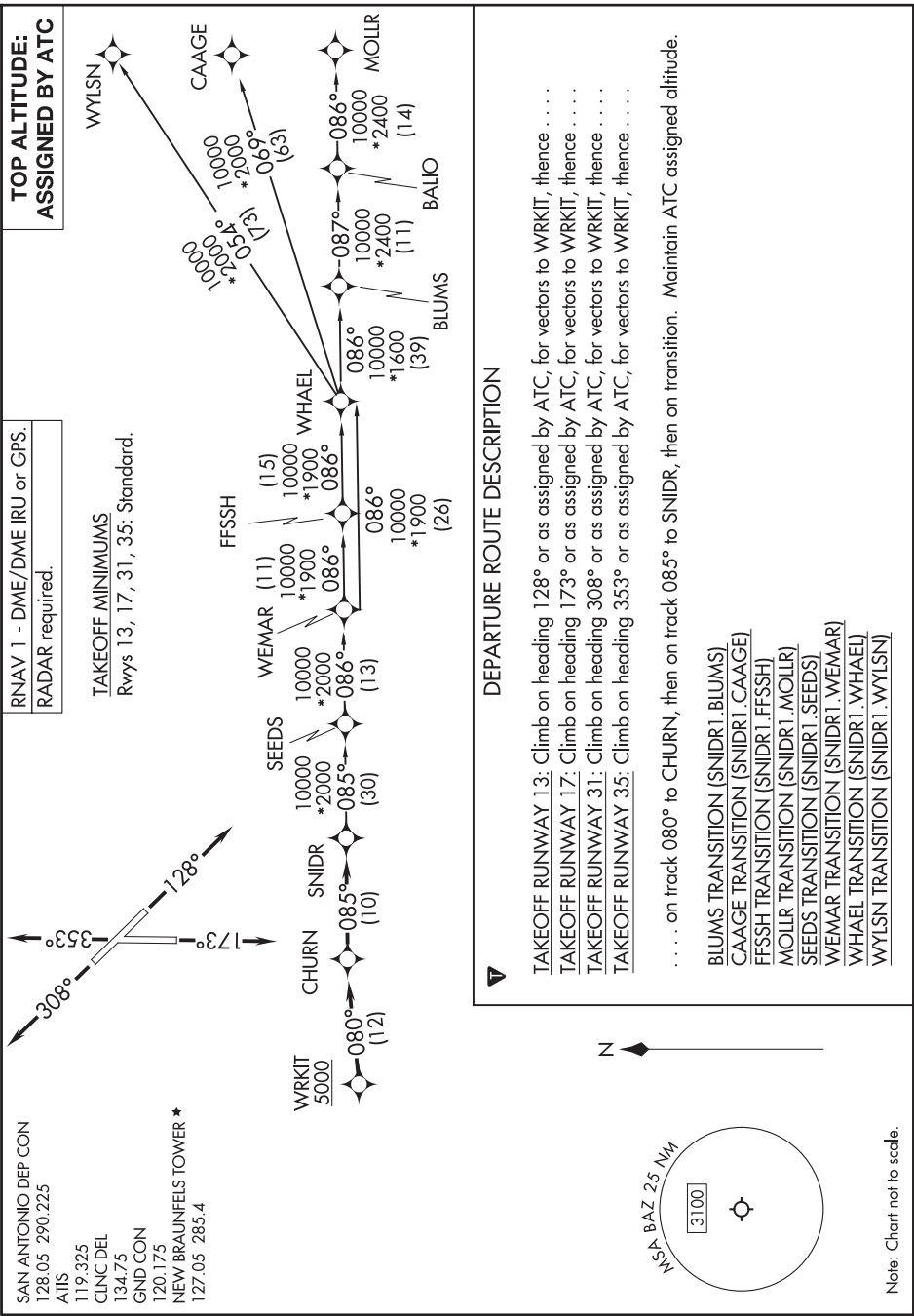
(SLENA1.SLENA) 24025

AL-6080 (FAA)

NEW BRAUNFELS NTL (BAZ)
NEW BRAUNFELS, TEXAS

SLENA ONE DEPARTURE (RNAV)





(TJANO1.TJANO) 24025

AL-6080 (FAA)

NEW BRAUNFELS NTL (BAZ)
NEW BRAUNFELS, TEXAS

TJANO ONE DEPARTURE (RNAV)

SAN ANTONIO DEP CON
128.05 290.225
ATIS
119.325
CLNC DEL
134.75
GND CON
120.175
NEW BRAUNFELS TOWER ★
127.05 285.4

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

**TOP ALTITUDE:
ASSIGNED BY ATC**

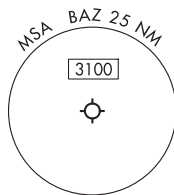
NOTE: For non-GPS equipped aircraft,
THX and SAT DME must be operational.

LVACA
5000

TJANO

TAKEOFF MINIMUMS

Rwys 13, 17, 31, 35: Standard.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 128° or as assigned by ATC, for vectors to LVACA, thence . . .

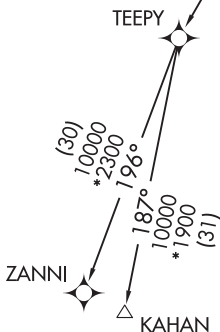
TAKEOFF RUNWAY 17: Climb on heading 173° or as assigned by ATC, for vectors to LVACA, thence . . .

TAKEOFF RUNWAY 31: Climb on heading 308° or as assigned by ATC, for vectors to LVACA, thence . . .

TAKEOFF RUNWAY 35: Climb on heading 353° or as assigned by ATC, for vectors to LVACA, thence . . .

. . . on track 205° to TJANO, then on Transition.
Maintain ATC assigned altitude.

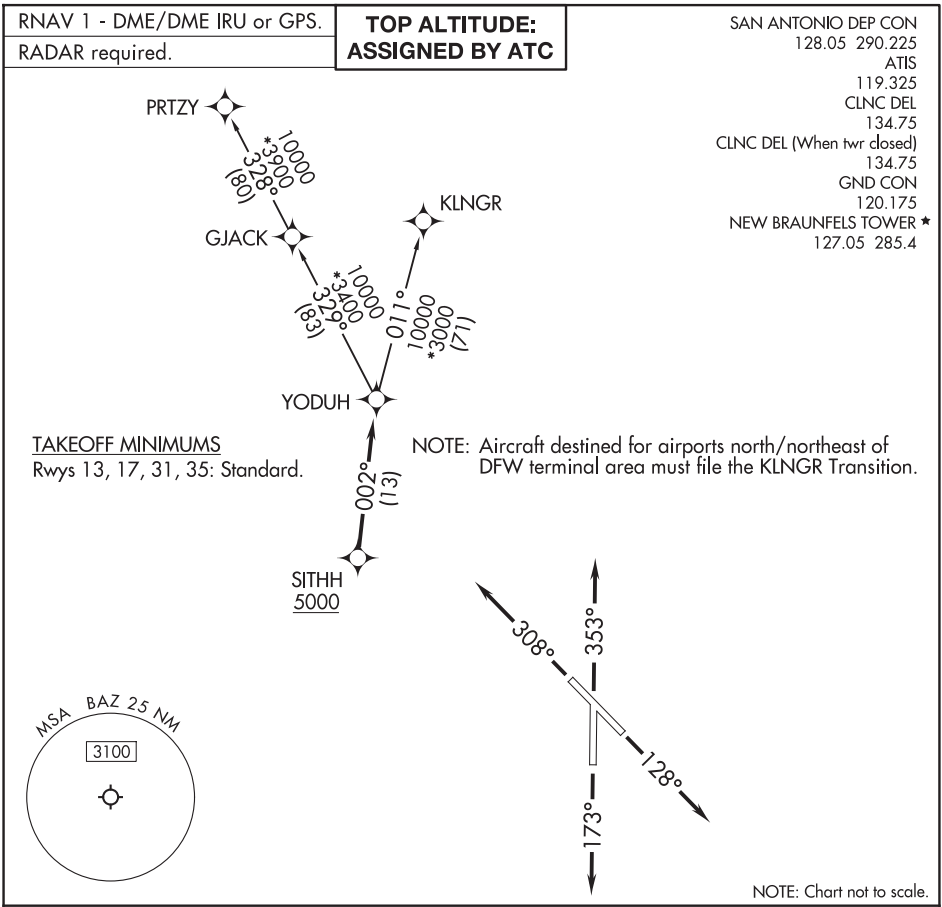
KAHAN TRANSITION (TJANO1.KAHAN)
ZANNI TRANSITION (TJANO1.ZANNI)



Note: Chart not to scale.

TJANO ONE DEPARTURE (RNAV)
(TJANO1.TJANO) 25JAN24

NEW BRAUNFELS, TEXAS
NEW BRAUNFELS NTL (BAZ)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 128° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAY 17: Climb on heading 173° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAY 31: Climb on heading 308° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAY 35: Climb on heading 353° or as assigned by ATC, for vectors to SITHH, thence . . .

. . . on track 002° to YODUH, then on Transition. Maintain ATC assigned altitude.

KLNGR TRANSITION (YODUH1.KLNGR)

PRTZY TRANSITION (YODUH1.PRTZY)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 45618 W11A	APP CRS 113°	Rwy Idg 6200 TDZE 2976 Apt Elev 3004
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RNAV (GPS) RWY 11

ODESSA-SCHLEMEYER FLD (ODO)

⚠

Circling to Rwy 16 and 20 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Circling NA S of Rwys 2 and 34. When local altimeter setting not received use Midland Intl Air and Space Port altimeter setting and increase all DA 41 feet and all MDA 60 feet and increase LNAV/VNAV all Cats visibility 1/8 mile, LNAV Cat C and D and Circling Cat C visibility 1/4 mile. VDP NA with Midland Intl Air and Space Port altimeter setting. Baro-VNAV NA when using Midland Intl Air and Space Port altimeter setting.

MALS

MISSED APPROACH:

Climb to 5000 direct JEMBI and hold.

ASOS 119.275	MIDLAND APP CON ★ 124.6 256.875	CLNC DEL 121.7	UNICOM 123.0 (CTAF)
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(IAF) PIZON

5000
207°
(10.8)

(IAF) GOMIT

5000
132°
(5.8)

(IF) KIMTE

4700
113°
(6)

(IAF) YOGSU

5000
028°
(5.2)

(FAF) ISOBY

4700
113°
(6)

JIVDU 2 NM to RW11

3126
3119

3261

3285

3340

3394

⚠ 4049

MISSED APCH FIX

5 NM

⚠ 4253

MSA RW11 25 NM
5500

Procedure NA for arrivals at YOGSU on V94-546 westbound.

KIMTE

5000

ISOBY

4700

JIVDU 2 NM to RW11

3126

3119

3126

113°

4700

*3640

RW11

6 NM

3.2 NM

0.8

1.2

5000

JEMBI

*LNAV only

GP 3.00°

TCH 40

CATEGORY	A	B	C	D
LPV DA	3176-3/4		200 (200-3/4)	
LNAV/VNAV DA	3347-1 1/4		371 (400-1 1/4)	
LNAV MDA	3380-1	404 (400-1)	3380-1 1/8	404 (400-1 1/8)
CIRCLING	3460-1	456 (500-1)	3600-1 1/2 596 (600-1 1/2)	3600-2 596 (600-2)

MIRL Rwy 2-20, 11-29, and 16-34

113°

16

20

34

5000 X 100

5000 X 75

5000 X 50

5000 X 25

5000 X 10

5000 X 5

5000 X 2.5

5000 X 1.25

5000 X 0.625

5000 X 0.3125

5000 X 0.15625

5000 X 0.078125

5000 X 0.0390625

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5000 X

APP CRS
202°

Rwy Idg
TDZE
3004
Apt Elev
3004

RNAV (GPS) RWY 20
ODESSA-SCHLEMEYER FLD (ODO)

RNP APCH.

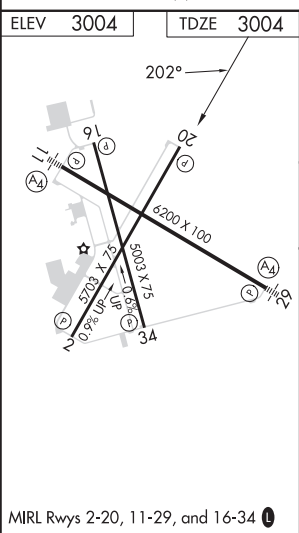
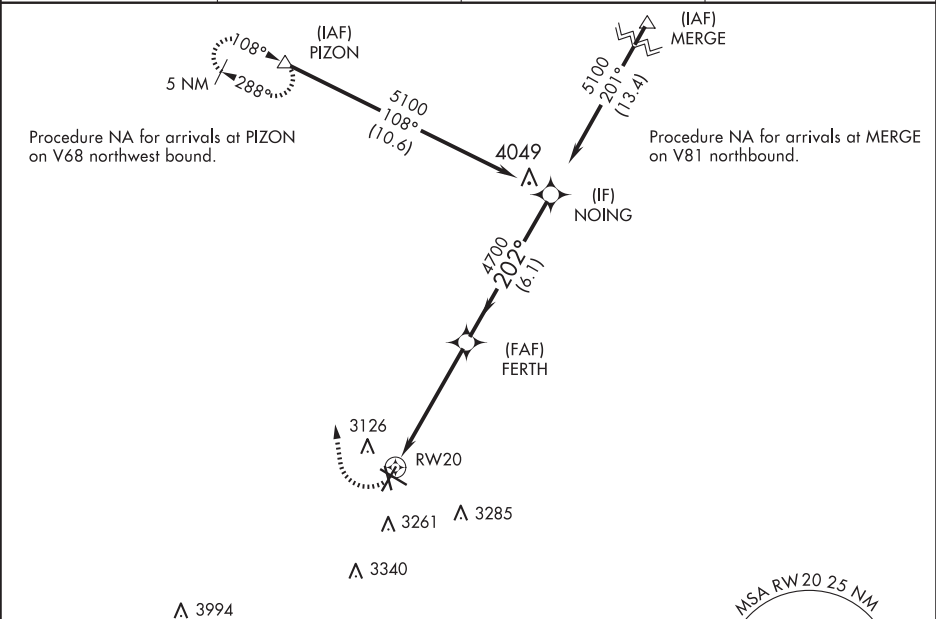
▼











▲

Circling NA south of Rws 2 and 34. When local altimeter setting not received use Midland Intl Air and Space Port altimeter setting and increase all MDAs 60 feet and increase Circling Cat C visibility ¼ SM. Rwy 20 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH:
Climbing right turn to 5100 direct PIZON and hold.

ASOS 119.275	MIDLAND APP CON ★ 124.6 256.875	CLNC DEL 121.7	UNICOM 123.0 (CTAF) ①
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VORTAC MAF	APP CRS	Rwy Idg	N/A
112.6	231°	TDZE	N/A
Chan 73		Apt Elev	3004

VOR-A

ODESSA-SCHLEMEYER FLD (ODO)

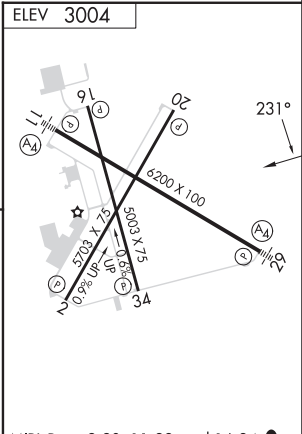
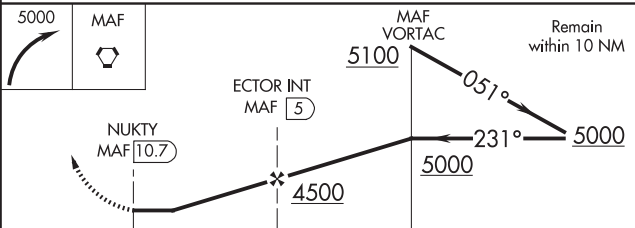
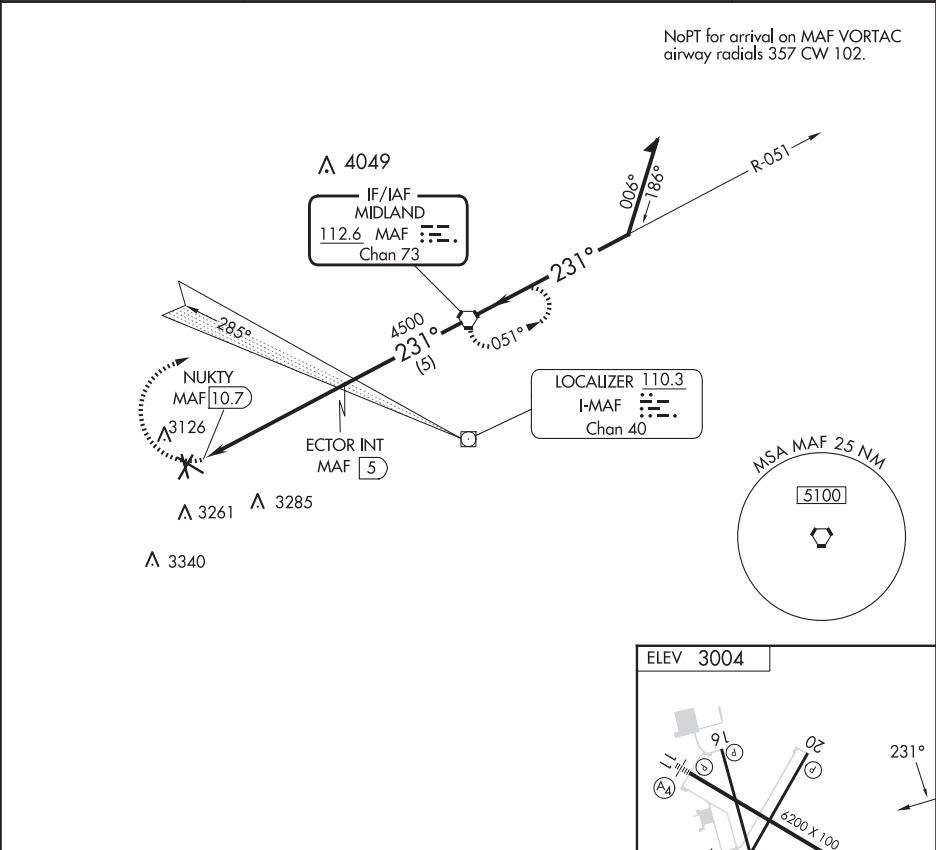
▼

▲

Circling NA south of Rwy 2 and 34. When local altimeter setting not received use Midland Intl Air and Space Port altimeter setting and increase all MDA 60 feet, increase Circling Cat C visibility ¼ SM.

MISSED APPROACH: Climbing right turn to 5000 direct MAF VORTAC and hold.

ASOS 119.275	MIDLAND APP CON★ 124.6 256.875	CLNC DEL 121.7	UNICOM 123.0 (CTAF) 0
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CATEGORY	A	B	C	D	FAF to MAP 5.7 NM				
CIRCLING	3460-1 456 (500-1)				Knots	60	90	120	150
					Min:Sec	5:42	3:48	2:51	1:54

ORANGE GROVE, TEXAS

ILS X or LOC X RWY 13

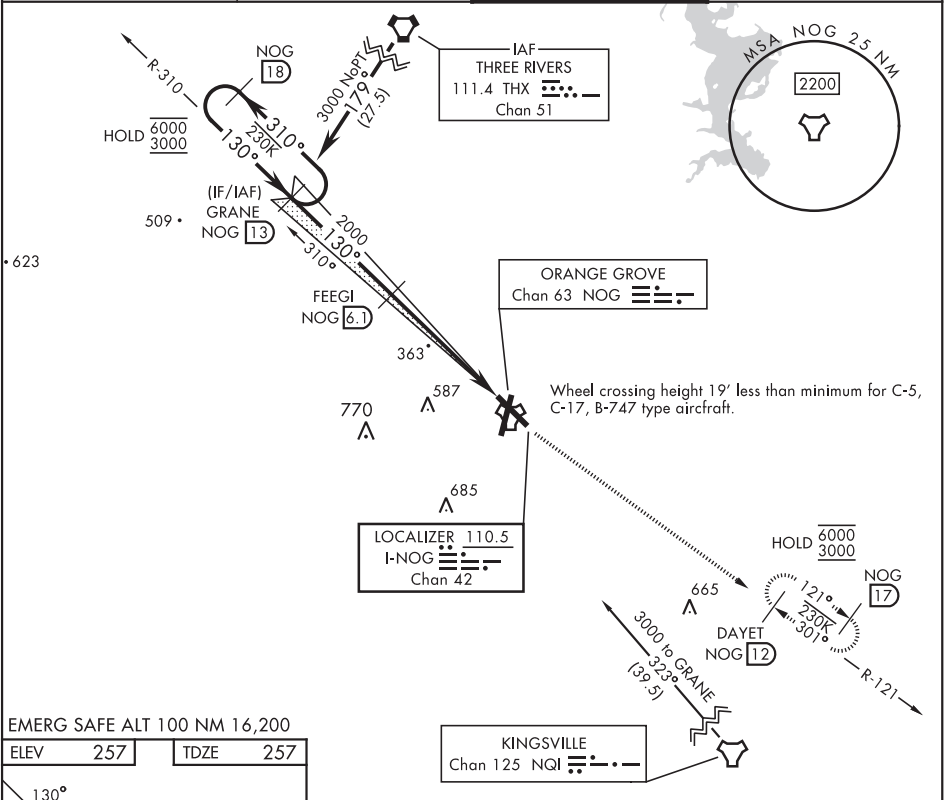
LOC/DME I-NOG 110.5 Chan 42	APCH CRS 130°	Rwy Idg TDZE 257 Arprt Elev 257
8001		

[USN]

ORANGE GROVE NALF (KNOG)

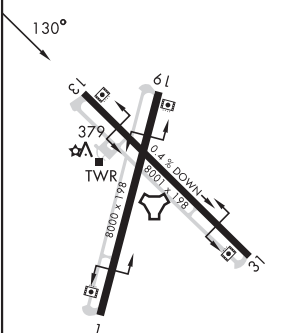
TACAN required	MISSED APPROACH: Climb to 700 then climb to 3000 intercept NOG TACAN R-121 to DAYET and hold.
----------------	---

ATIS ★ 254.35	KINGSVILLE APP CON 119.90 290.45	TOWER ★ 128.4 281.425	GND CON 229.4
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EMERG SAFE ALT 100 NM 16,200

ELEV 257	TDZE 257
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KINGSVILLE Chan 125 NQI			
DAYET NOG 12			
700 3000 DAYET NOG R-121			
NOG 18 GRANE NOG 13 FEEGI NOG 6.1			
6000 3000 130° 3000 2000			
GS 3.00° TCH 44			
4.9 NM 0.5 NM			
CATEGORY	A	B	C D
S-ILS 13	457-1 200 (200-1)		
S-LOC 13	620-1 363 (400-1)		
CIRCLING	720-1 463 (500-1)	920-1 663 (700-1 3/4)	1000-2 743 (800-2 1/2)

ORANGE GROVE, TEXAS

27°54'N-98°03'W

ORANGE GROVE NALF (KNOG)

Amtd 1 13JUN24

ILS X or LOC X RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS Z or LOC Z RWY 13

LOC/DME I-NOG 110.5 Chan 42	APCH CRS 130°	Rwy Idg TDZE Arpt Elev 8001 257 257
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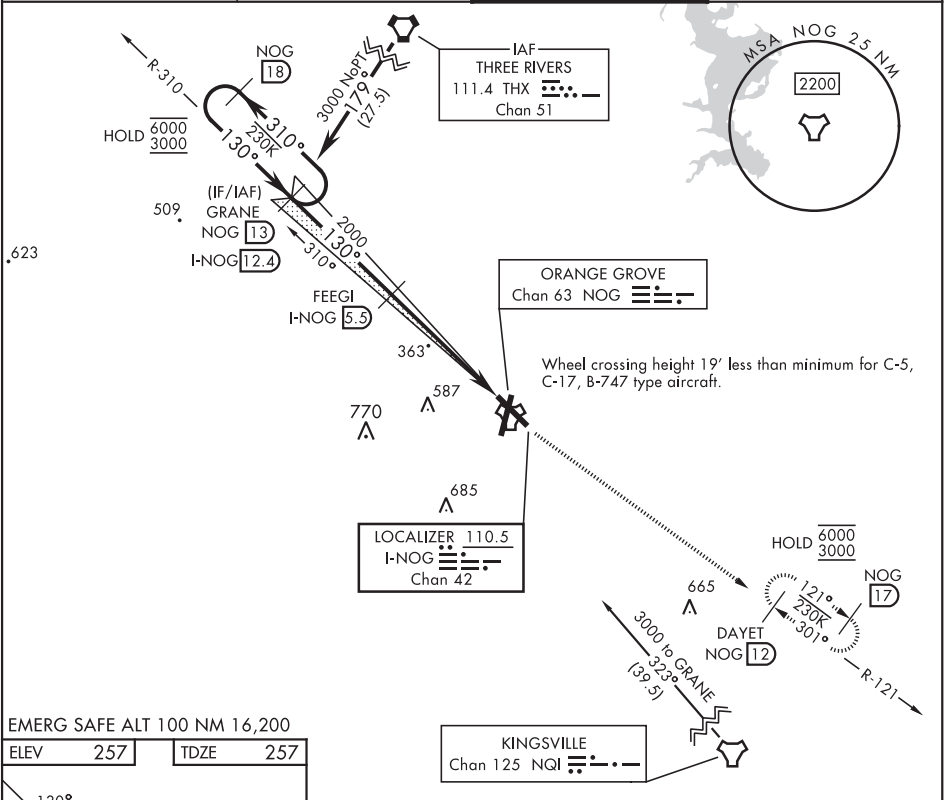
[USN]

ORANGE GROVE NALF (KNOG)

TACAN, DME required.

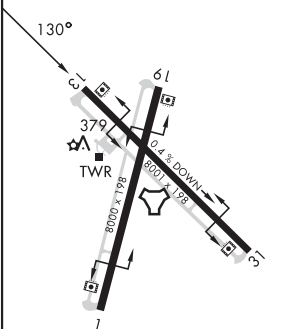
MISSED APPROACH: Climb to 700, then climb to 3000 intercept NOG TACAN R-121 to DAYET and hold.

ATIS ★ 254.35	KINGSVILLE APP CON 119.90 290.45	TOWER ★ 128.4 281.425	GND CON 229.4
-------------------------	--	---------------------------------	-------------------------



EMERG SAFE ALT 100 NM 16,200

ELEV 257	TDZE 257
----------	----------



MIRL all rwys

ORANGE GROVE, TEXAS

27°54'N-98°03'W

ORANGE GROVE NALF (KNOG)

Amtd 1 13JUN24

ILS Z or LOC Z RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TACAN RWY 31

ORANGE GROVE NALF (KNOG)



MISSED APPROACH: Climb to 700 then climb to 3000 intercept
NOG TACAN R-310 to GRANE and hold.

GND CON
229.4



TACAN RWY 31

TACAN Z RWY 13

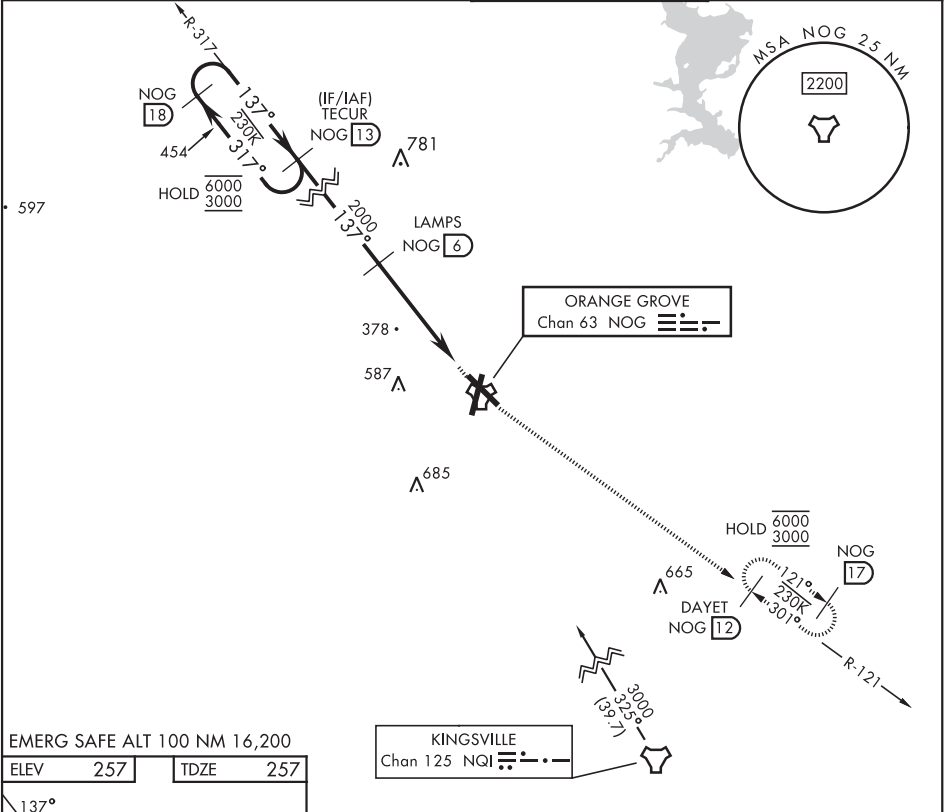
TACAN Chan	NOG 63	APCH CRS 137°	Rwy Idg 8001 TDZE 257 Arpt Elev 257
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[USN]

ORANGE GROVE NALF (KNOG)

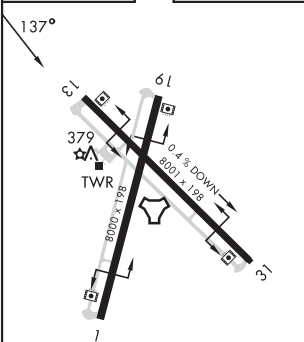
MISSED APPROACH: Climb to 700 then climbing left turn to 3000 and intercept NOG TACAN R-121 to DAYET and hold.

ATIS ★ 254.35	KINGSVILLE APP CON 119.90 290.45	TOWER ★ 128.4 281.425	GND CON 229.4
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EMERG SAFE ALT 100 NM 16,200

ELEV	257	TDZE	257
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MIRL all rwys

				<div>700 ↑</div>		<div>3000 NOG R-121</div>		<div>DAYET NOG 12</div>	
				LAMPS NOG 6		NOG 1.8		NOG TACAN	
				3.04° TCH 50		SPARS NOG 1.2			
				4.8 NM		0.5			
CATEGORY	A		B		C		D		
S-13	640-1	383	(400-1)		640-1½		383	(400-1½)	
CIRCLING	720-1	463	(500-1)		920-1¾ 663 (700-1¾)		1000-2½ 743 (800-2½)		

ORANGE GROVE, TEXAS

27°54'N-98°03'W

ORANGE GROVE NALF (KNOG)

Amdr 2 13JUN24

TACAN Z RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TACAN-A

ORANGE GROVE NALF (KNOG)

T	MISSED APPROACH: Climb to 2000 on NQI TACAN R-328, then left turn to intercept NQI R-328 to DAMPS and hold.
---	---

ATIS ★
254.35

KINGSVILLE APP CON
119.90 290.45

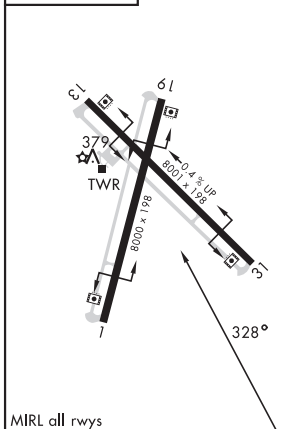
TOWER ★
128.4 281.425

GND CON
229.4



EMERG SAFE ALT 100 NM 16,200

ELEV	257
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ORANGE GROVE, TEXAS

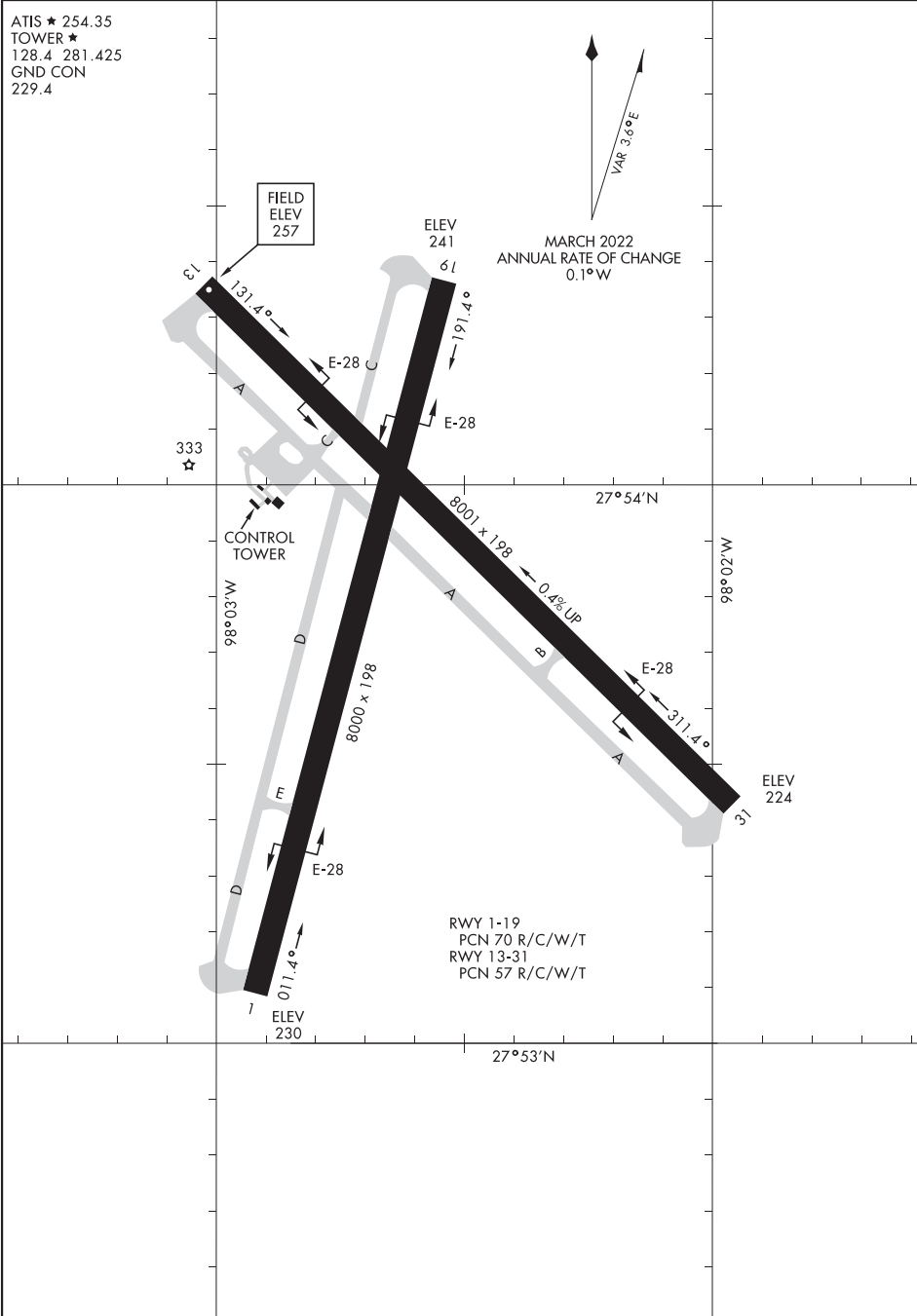
27°54'N-98°03'W

ORANGE GROVE NALF (KNOG)

TACAN-A

SC-3, 12 JUN 2025 to 07 AUG 2025

ATIS ★ 254.35
TOWER ★
128.4 281.425
GND CON
229.4



APP CRS
160°

Rwy Idg	6003
TDZE	2377
Apt Elev	2377

RNAV (GPS) RWY 16
OZONA MUNI (OZA)

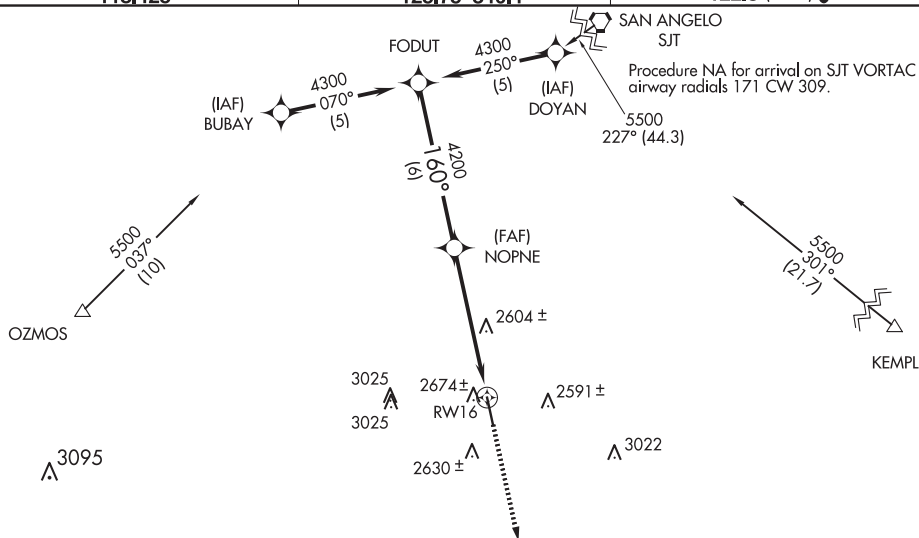
T GPS or RNP-0.3 required. DME/DME RNP-0.3 NA. Procedure NA at night.
A NA Obtain local altimeter on CTAF; when not received, use San Angelo altimeter setting.
 Rwy 16 helicopter visibility reduction below $\frac{3}{4}$ SM NA.

MISSED APPROACH: Climb to 5000 direct IXALE WP and hold.

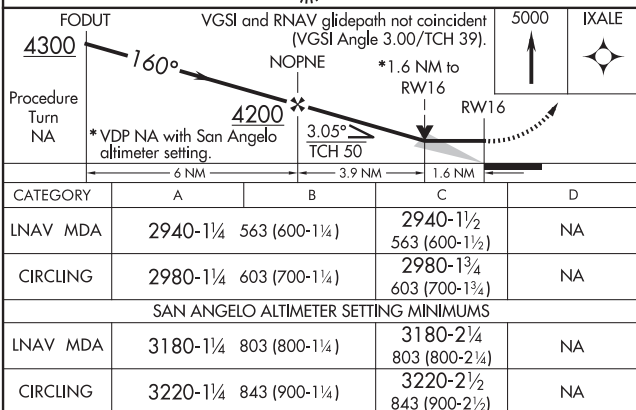
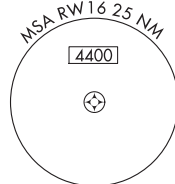
AWOS-3PT
118.425

HOUSTON CENTER
125.75 346.4

UNICOM
122.8 (CTAF) **L**



ELEV	2377		TDZE	2377
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OZONA, TEXAS
Orig-A 10SEP20

30°44'N-101°12'W

OZONA MUNI (OZA)
RNAV (GPS) RWY 16

SC-3, 12 JUN 2025 to 07 AUG 2025

PECOS, TEXAS

AL-186 (FAA)

21364

WAAS CH 62830 W14A	APP CRS 137°	Rwy Idg TDZE Apt Elev	6236 2608 2613
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RNAV (GPS) RWY 14

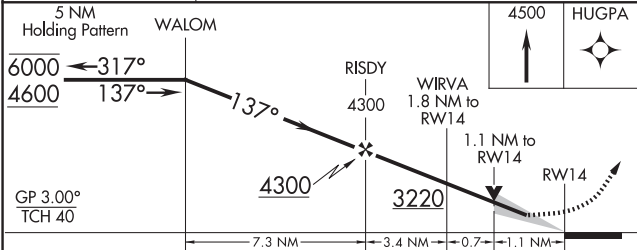
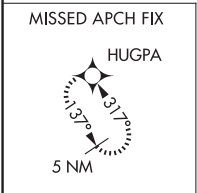
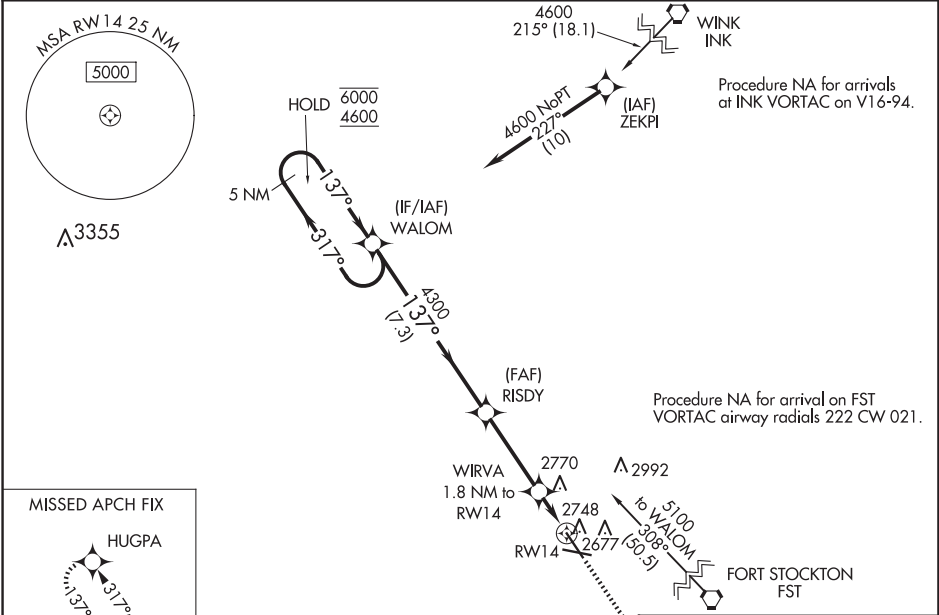
PECOS MUNI (PEQ)

RNP APCH - GPS.

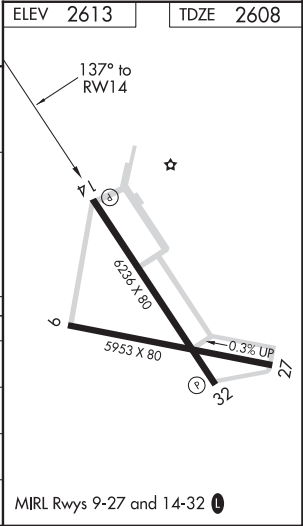
⚠ Circling Rwy 9, 27 NA at night. Baro-VNAV and VDP NA when using Wink altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C. When local altimeter setting not received, use Wink altimeter setting and increase LPV DA to 2903 feet and all visibilities ¼ SM. Increase LNAV/VNAV DA to 3004 feet and all visibilities ¼ SM. Increase all MDAs 100 feet and LNAV visibility Cat C/D ¼ SM, and Circling visibility Cat C/D ¼ SM.

MISSED APPROACH:
Climb to 4500 direct HUGPA and hold.

AWOS-3 118.175	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) ①
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CATEGORY	A	B	C	D
LPV DA		2808-¾ 200 (200-¾)		
LNAV/VNAV DA		2909-⅞ 301 (300-⅞)		
LNAV MDA	3000-1	392 (400-1)	3000-1½ 392 (400-1½)	
CIRCLING	3060-1 447 (500-1)	3140-1 527 (600-1)	3360-2¼ 747 (800-2¼)	3360-2½ 747 (800-2½)



PECOS, TEXAS
Orig-B 30DEC21

31°23'N-103°31'W

RNAV (GPS) RWY 14

PECOS MUNI (PEQ)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 69629 W32A	APP CRS 317°	Rwy Idg TDZE Apt Elev	6236 2605 2613
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RNAV (GPS) RWY 32

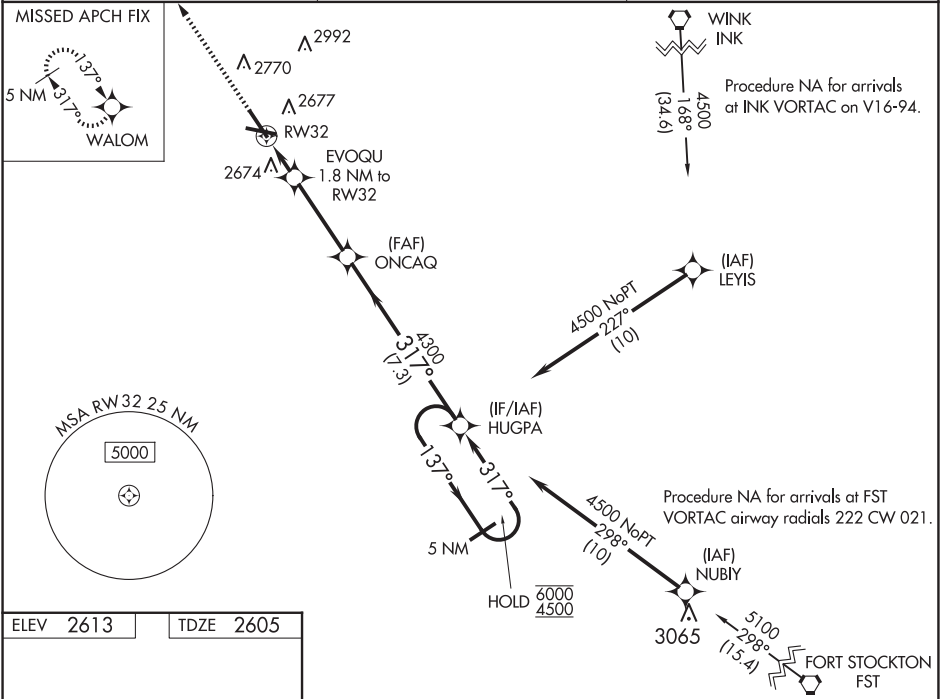
PECOS MUNI (PEQ)

RNP APCH - GPS.

▼ Baro-VNAV and VDP NA when using Wink altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C. When local altimeter setting not received, use Wink altimeter setting: increase LPV DA to 2900 feet, LNAV/VNAV DA to 2950 feet and all visibilities ¼ SM; increase all MDA 100 feet and visibility Cat C and LNAV Cat D ¼ SM. Circling Rwy 9, 27 NA at night.

MISSED APPROACH: Climb to 4600 direct WALOM and hold.

AWOS-3 118.175	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF) ①
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ELEV 2613	TDZE 2605
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4600 ↑ WALOM		5 NM Holding Pattern			
		HUGPA			
EVOQU 1.8 NM to RW32		ONCAQ			
RW32		HUGPA			
3200		4300			
0.9		7.3 NM			
CATEGORY		A	B	C	D
LPV DA		2805-¾		200 (200-¾)	
LNAV/ VNAV DA		2855-¾		250 (300-¾)	
LNAV MDA		2940-1		335 (400-1)	
CIRCLING		3060-1 447 (500-1)	3140-1 527 (600-1)	3360-2¼ 747 (800-2¼)	3360-2½ 747 (800-2½)

PLEASANTON, TEXAS

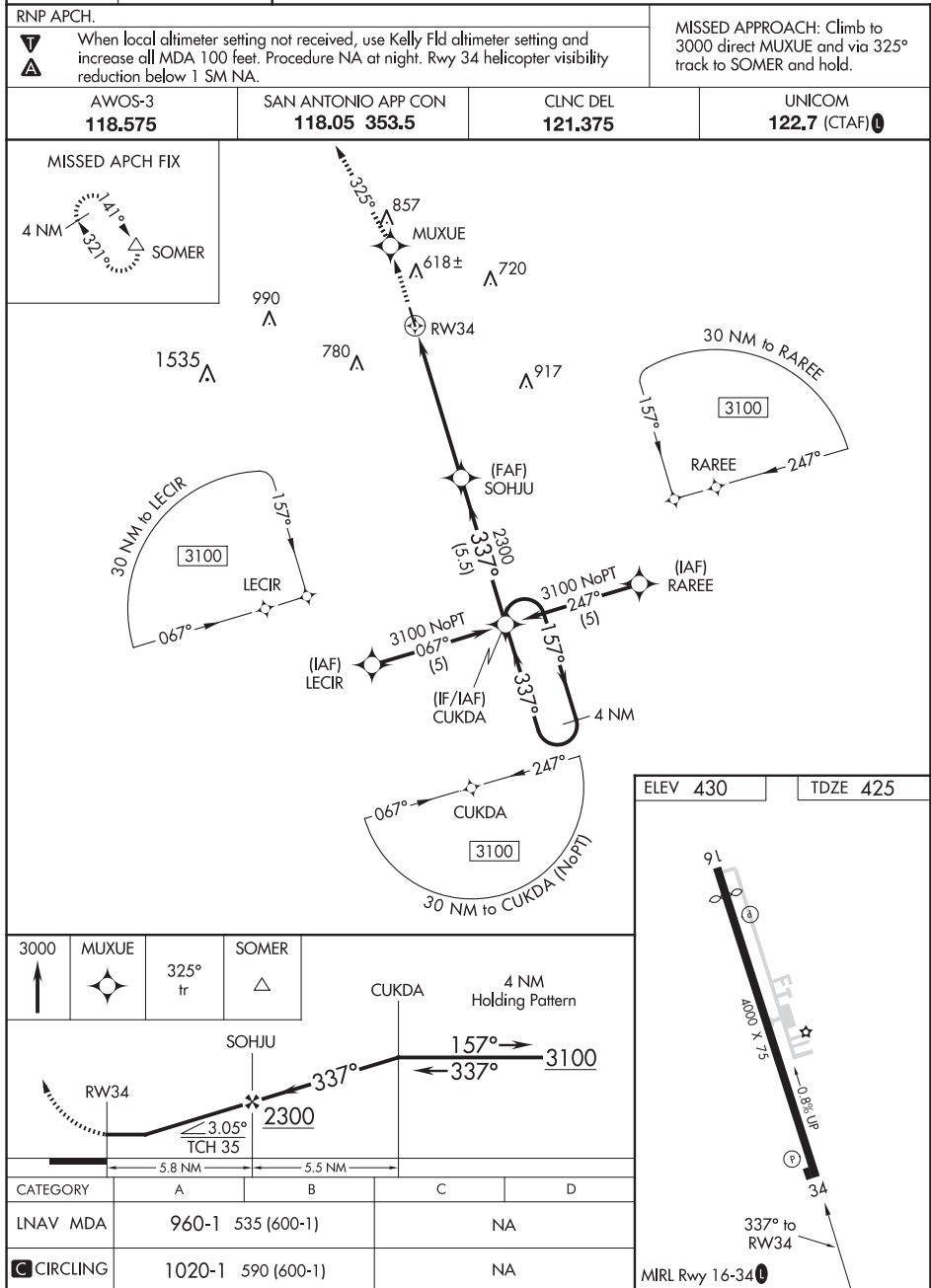
AL-6114 (FAA)

20254

APP CRS	Rwy Idg	4000
337°	TDZE	425
	Apt Elev	430

RNAV (GPS) RWY 34

PLEASANTON MUNI (P/E/Z)



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

PLEASANTON, TEXAS

Orig-B 10SEP20

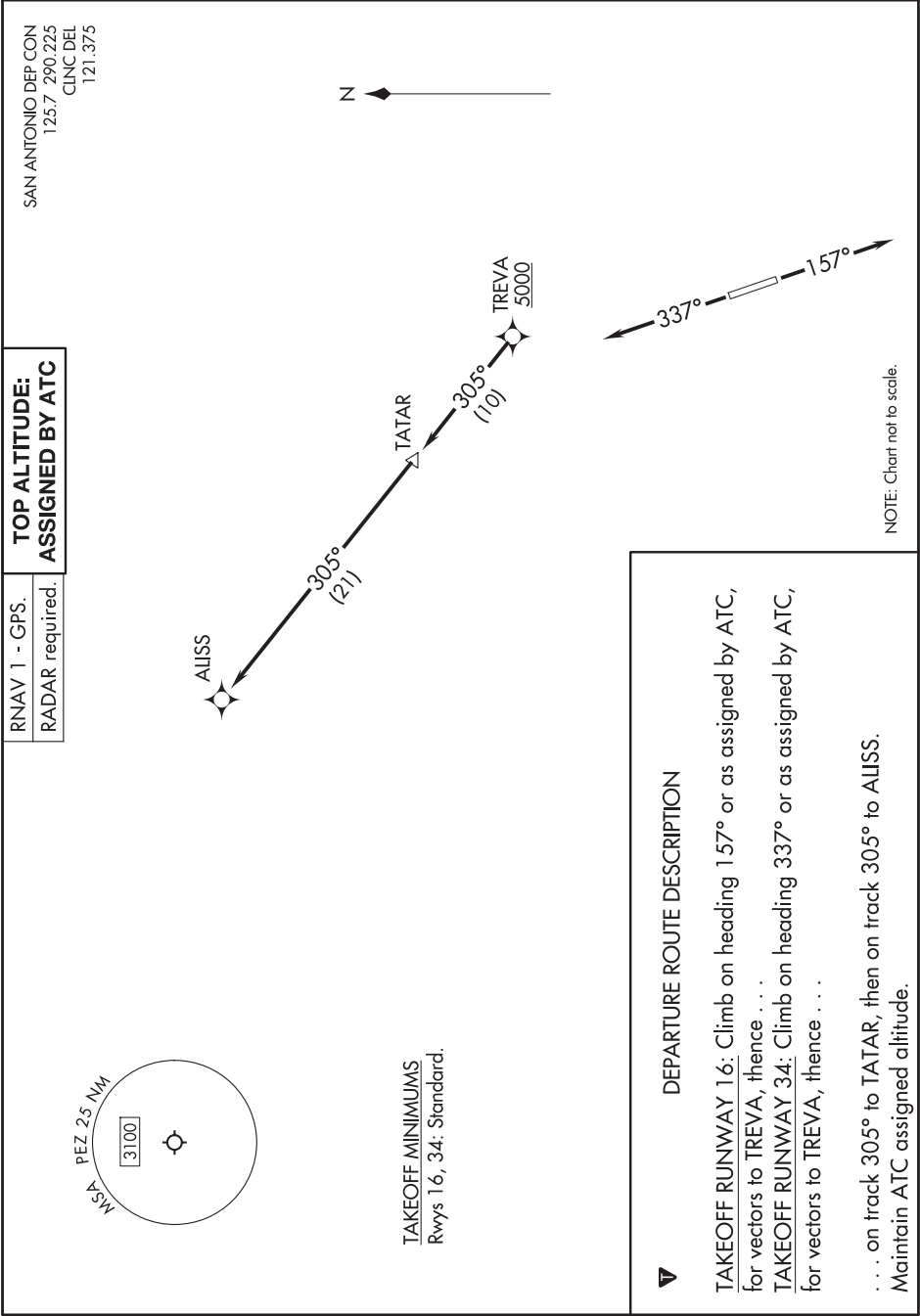
28°57'N-98°31'W

PLEASANTON MUNI (P/E/Z)

RNAV (GPS) RWY 34

ALISS SIX DEPARTURE (RNAV)

SC-3, 12 JUN 2025 to 07 AUG 2025



ALISS SIX DEPARTURE (RNAV)

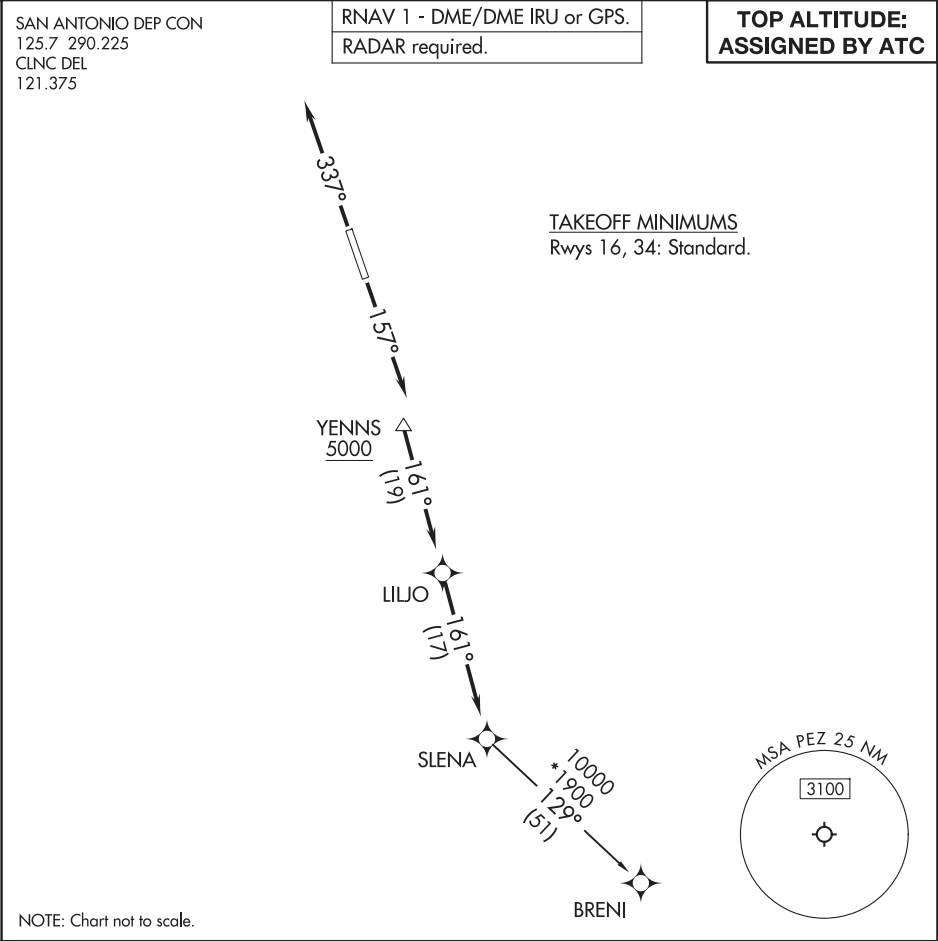
SC-3, 12 JUN 2025 to 07 AUG 2025

(SLENA1.SLENA) 24025

AL-6114 (FAA)

PLEASANTON MUNI (P'E'Z)
PLEASANTON, TEXAS

SLENA ONE DEPARTURE (RNAV)



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAY 34: Climb on heading 337° or as assigned by ATC, for vectors to YENNS, thence

. . . . on track 161° to LILJO, then on track 161° to SLENA, then on transition.

Maintain ATC assigned altitude.

BRENI TRANSITION (SLENA1.BRENI)

SLENA ONE DEPARTURE (RNAV)
(SLENA1.SLENA) 25JAN24

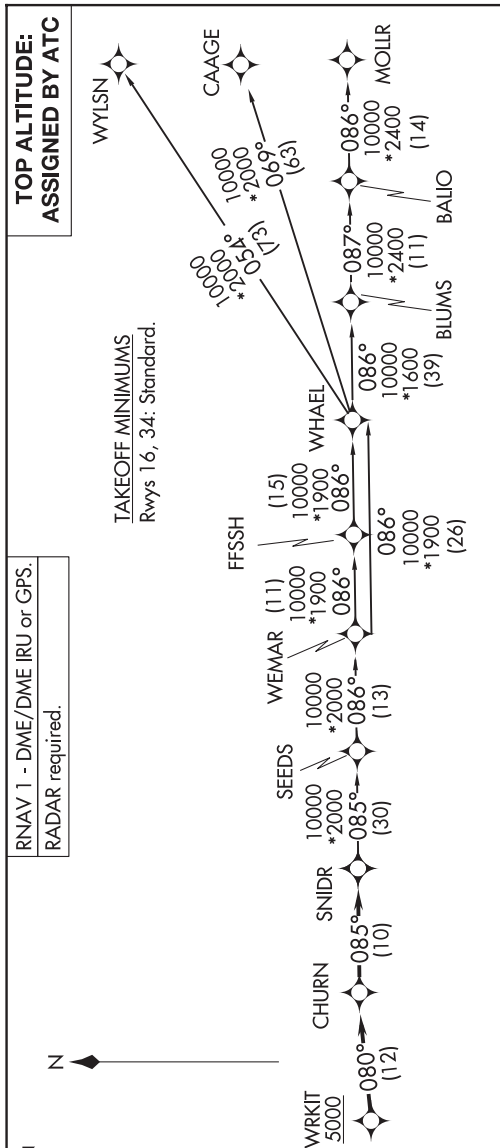
PLEASANTON, TEXAS
PLEASANTON MUNI (P'E'Z)

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

SAN ANTONIO DEP CON
125.7 290.225
CLNC DEL
121.375

SNIDR ONE DEPARTURE (RNAV)
(SNIDR1.SNIDR) 25JAN24

PLEASANTON, TEXAS
PLEASANTON MUNI (PEZ)



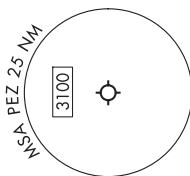
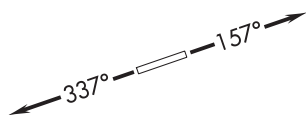
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° or as assigned by ATC, for vectors to WRKIT, thence...

TAKEOFF RUNWAY 34: Climb on heading 337° or as assigned by ATC, for vectors to WRKIT, thence...

... on track 080° to CHURN, then on track 085° to SNIDR, then on transition. Maintain ATC assigned altitude.

BLUMS TRANSITION [SNIDR1.BLUMS]
CAAGE TRANSITION [SNIDR1.CAAGE]
FFSSH TRANSITION [SNIDR1.FFSSH]
MOLLR TRANSITION [SNIDR1.MOLLR]
SEEDS TRANSITION [SNIDR1.SEEDS]
WEMAR TRANSITION [SNIDR1.WEMAR]
WHAEL TRANSITION [SNIDR1.WHAEL]
WYLSN TRANSITION [SNIDR1.WYLSN]



Note: Chart not to scale.

(TJANO1.TJANO) 24025

AL-6114 (FAA)

PLEASANTON MUNI (PEZ)
PLEASANTON, TEXAS

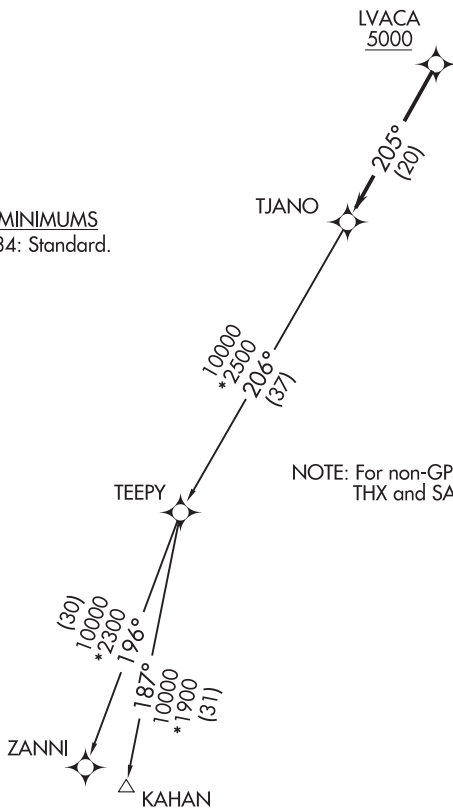
TJANO ONE DEPARTURE (RNAV)

SAN ANTONIO DEP CON
125.7 290.225
CLNC DEL
121.375

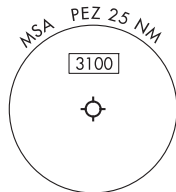
RNAV 1 - DME/DME IRU or GPS.
RADAR required.

**TOP ALTITUDE:
ASSIGNED BY ATC**

TAKEOFF MINIMUMS
Rwys 16, 34: Standard.



NOTE: For non-GPS equipped aircraft,
THX and SAT DME must be operational.



Note: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° or as assigned by ATC, for vectors to LVACA, then

TAKEOFF RUNWAY 34: Climb on heading 337° or as assigned by ATC, for vectors to LVACA, then

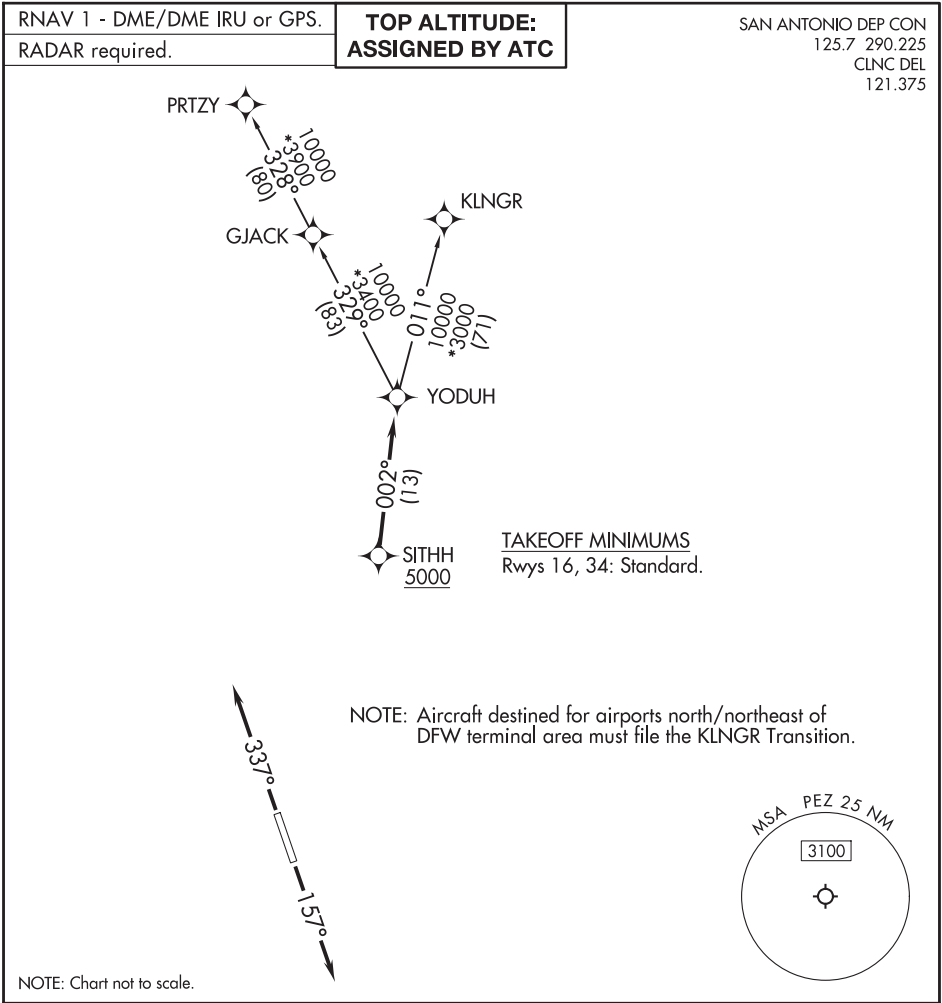
. . . . on track 205° to TJANO, then on Transition. Maintain ATC assigned altitude.

KAHAN TRANSITION (TJANO1.KAHAN)

ZANNI TRANSITION (TJANO1.ZANNI)

TJANO ONE DEPARTURE (RNAV)
(TJANO1.TJANO) 25JAN24

PLEASANTON, TEXAS
PLEASANTON MUNI (PEZ)



	DEPARTURE ROUTE DESCRIPTION
<u>TAKEOFF RUNWAY 16:</u> Climb on heading 157° or as assigned by ATC, for vectors to SITHH, thence . . .	
<u>TAKEOFF RUNWAY 34:</u> Climb on heading 337° or as assigned by ATC, for vectors to SITHH, thence . . .	
. . . on track 002° to YODUH, then on Transition. Maintain ATC assigned altitude.	
<u>KLNGR TRANSITION (YODUH1.KLNGR)</u>	
<u>PRTZY TRANSITION (YODUH1.PRTZY)</u>	

PORT ARANSAS, TEXAS

AL-10221 (FAA)

23278

WAAS CH 99500 W12A	APP CRS 120°	Rwy Idg 3482 TDZE 5 Apt Elev 5
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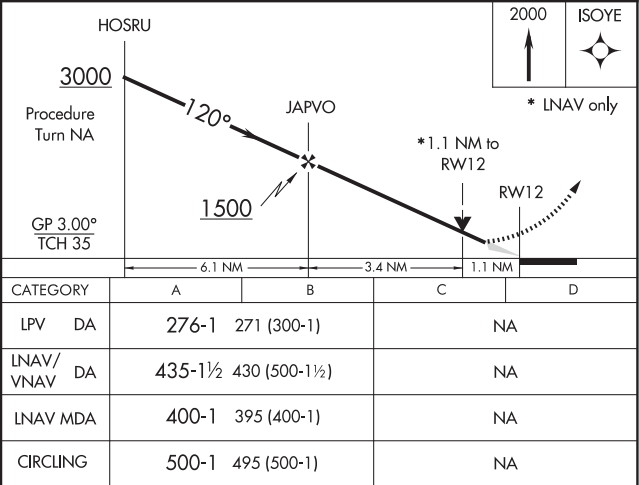
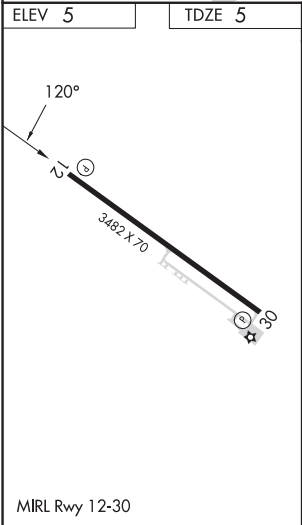
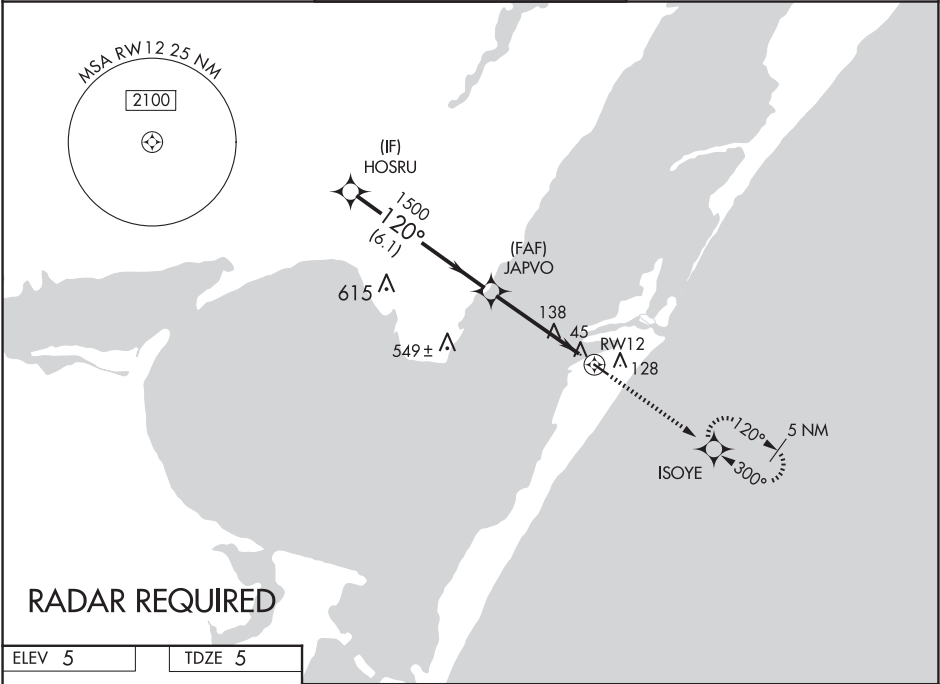
RNAV (GPS) RWY 12

MUSTANG BEACH (R.A.S)

DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 44°C (111°F). If local altimeter setting not received, use Corpus Christi Intl altimeter setting and increase all DAs/MDAs 60 feet. Baro-VNAV and VDP NA when using Corpus Christi Intl altimeter setting.

MISSED APPROACH: Climb to 2000 direct ISOYE and hold.

AWOS-3 118.425	CORPUS APP CON 125.4 307.9	CTAF 122.9
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WAAS CH 63000 W30A	APP CRS 300°	Rwy Idg 3482 TDZE 5 Apt Elev 5
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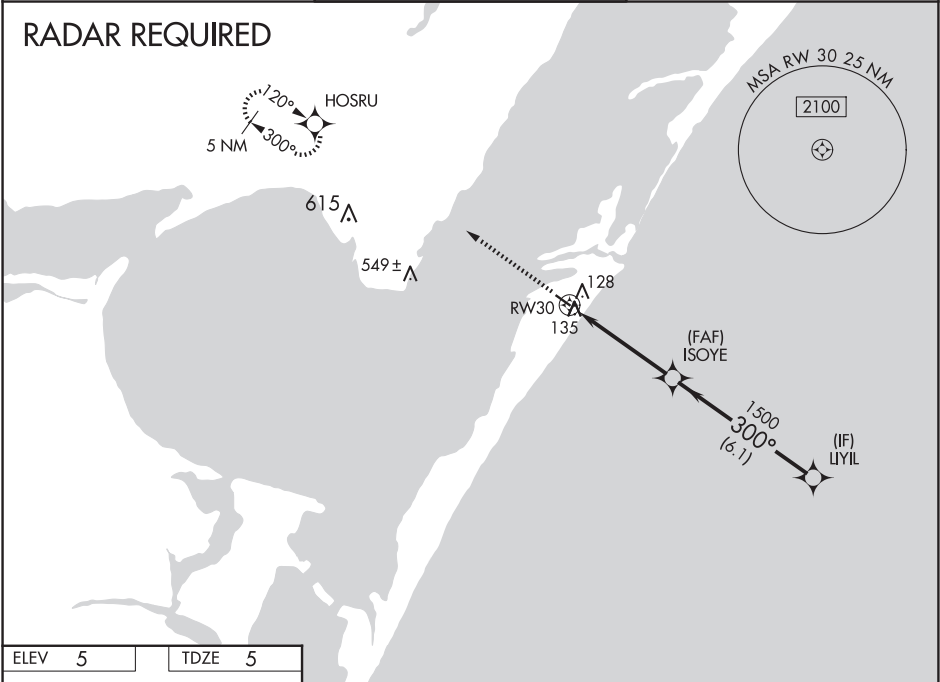
RNAV (GPS) RWY 30

MUSTANG BEACH (R.A.S)

DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1.5°C (5°F) or above 44°C (111°F). If local altimeter setting not received, use Corpus Christi Intl altimeter setting and increase all DAs/MDAs 60 feet. Baro-VNAV and VDP NA when using Corpus Christi Intl altimeter setting.

MISSED APPROACH: Climb to 2000 direct HOSRU and hold.

AWOS-3 118.425	CORPUS APP CON 125.4 307.9	CTAF 122.9
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ELEV 5

TDZE 5

2000

HOSRU

VGSi and RNAV glidepath not coincident (VGSi Angle 3.20/TCH 22).

Procedure Turn NA

* LNAV only

GP 3.00°
TCH 35

CATEGORY	A	B	C	D
LPV DA	362-1¼ 357 (400-1¼)			NA
LNAV/VNAV DA	435-1½ 430 (500-1½)			NA
LNAV MDA	440-1 435 (500-1)			NA
CIRCLING	500-1 495 (500-1)			NA

MIRL Rwy 12-30

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

PORT ISABEL, TEXAS

AL-6099 (FAA)

25163

WAAS CH 53708 W13A	APP CRS 130°	Rwy Ldg 8001 TDZE 18 Apt Elev 19
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RNAV (GPS) RWY 13

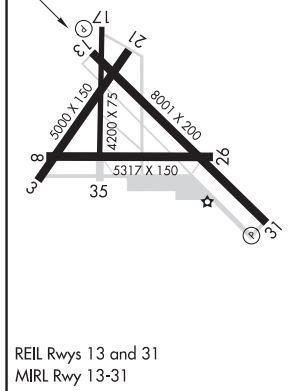
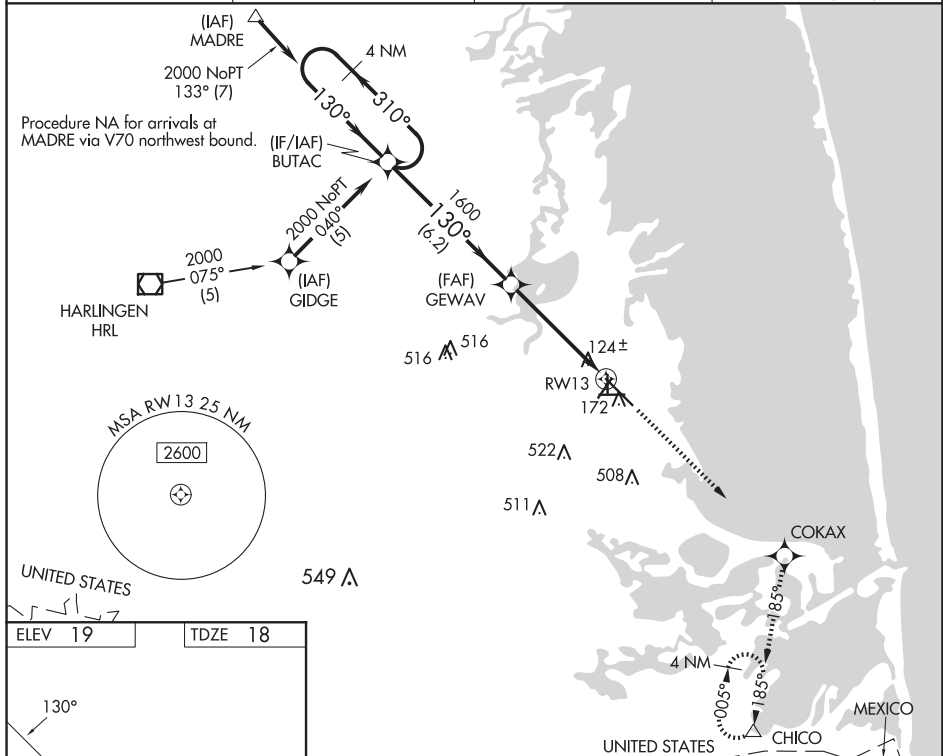
CAMERON COUNTY (PIL)

RNP APCH.

Baro-VNAV NA when using Brownsville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. VDP NA when using Brownsville altimeter setting. When local altimeter setting not received, use Brownsville altimeter setting and increase all DA 38 feet and all MDA 40 feet, increase LPV all Cts, LNAV Cat C, and Circling Cat C visibility ¼ mile. Circling Rwy 3, 8, 17, 21, 26, 35 NA at night.

MISSED APPROACH:
Climb to 3000 direct COKAX and via 185° track to CHICO and hold.

ASOS 118.525	VALLEY APP CON 119.5 257.6	CLNC DEL 119.2	UNICOM 122.8 (CTAF)
------------------------	--------------------------------------	--------------------------	-------------------------------



4 NM Holding Pattern			
2000 ← 310° → 130° → 130° → 1600			
GP 3.00° TCH 40			
VGSi and RNAV glidepath not coincident (VGSi Angle 2.00° TCH 27).			
6.2 NM → 2.7 NM → 2.1 NM			
CATEGORY	A	B	C
LPV DA	376-1¼	358 (400-1¼)	NA
LNAV/VNAV DA	424-1½	406 (500-1½)	NA
LNAV MDA	480-1	462 (500-1)	480-1¼
CIRCLING	540-1	620-1	840-2½
	521 (600-1)	601 (700-1)	821 (900-2½)

PORT ISABEL, TEXAS
Amdt 1A 11OCT18

26°10'N-97°21'W

RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

VORTAC BRO 116.3 Chan 110	APP CRS 357°	Rwy Ldg TDZE Apt Elev N/A N/A 19
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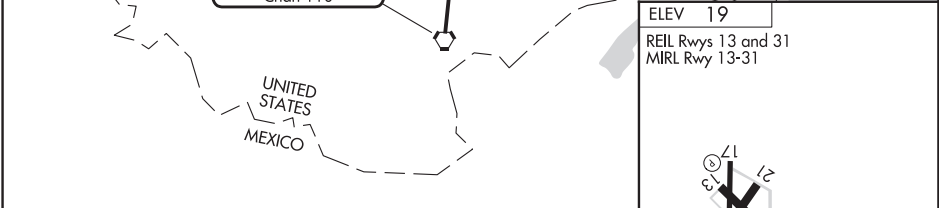
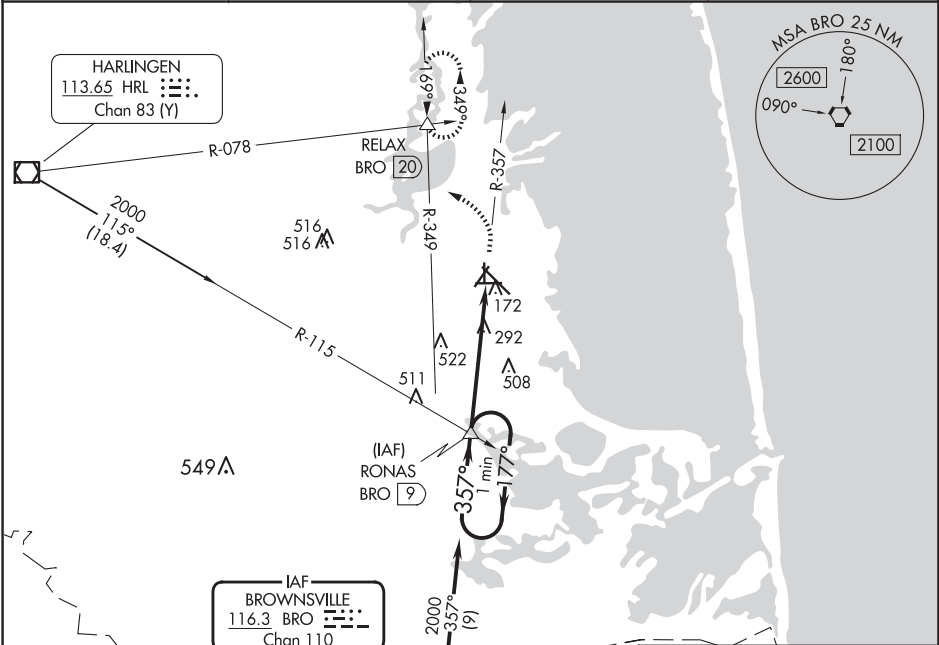
VOR-A
CAMERON COUNTY (PIL)

V When local altimeter setting not received, use Brownsville altimeter setting and increase all MDA 40 feet and increase Cat C visibility ¼ mile. Circling Rwy 3, 8, 17, 21, 26, 35 NA at night.

NA

MISSED APPROACH: Climb to 2000 then turn left via BRO R-349 to RELAX INT/BRO 20 DME and hold.

ASOS 118.525	VALLEY APP CON 119.5 257.6	CINC DEL 119.2	UNICOM 122.8 (CTAF)
------------------------	--------------------------------------	--------------------------	-------------------------------



<div>One Minute Holding Pattern</div> <div><div>2000</div><div>←177°</div><div>357°→</div></div> <div><div>RONAS INT</div><div>BRO 9</div></div> <div><div>2000</div><div>↑</div></div> <div><div>BRO R-349</div><div>↶</div></div> <div><div>RELAX</div><div>△</div></div> <div><div>357°</div><div>5.1 NM</div></div>					<div><div>5000 X 150</div><div>4200 X 75</div><div>8001 X 200</div><div>5317 X 150</div><div>35</div><div>357°</div><div>3</div><div>5</div><div>2</div><div>1</div></div>				
CATEGORY					FAF to MAP 5.1 NM				
A					60				
B					90				
C					120				
D					150				
840-2½					180				
821 (900-2½)					Knots				
NA					60				
					5:06				
					3:24				
					2:33				
					2:02				
					1:42				
					Min:Sec				

PRESIDIO, TX

AL-10222 (FAA)

23166

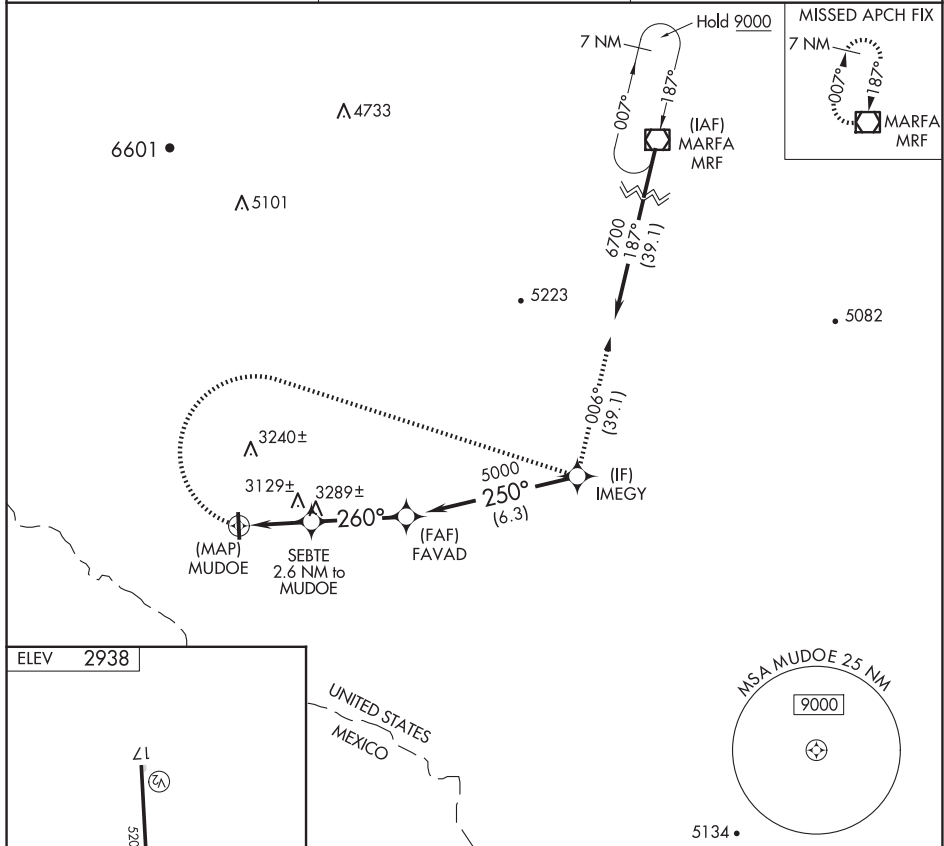
APP CRS 260°	Rwy Idg TDZE Apt Elev	N/A N/A 2938
------------------------	-----------------------------	---

RNAV (GPS)-A

PRESIDIO LELY INTL (PRS)

RNP APCH - GPS.	MISSED APPROACH: Climbing right turn to 9000 direct IMEGY and on track 006° to MRF VOR/DME and hold.
NA When local altimeter setting not received, procedure NA.	

AWOS-3PT 118.0	ALBUQUERQUE CENTER 135.875 292.15	UNICOM 122.8 (CTAF)
--------------------------	---	-------------------------------



ELEV 2938				
	9000	IMEGY	tr 006°	MRF
5200 X 7.5				
0.9% UP				
35				
CATEGORY	A	B	C	D
CIRCLING	3480-1 542 (600-1)	3540-1 602 (700-1)	NA	

PRESIDIO, TX

Orig-B 15JUN23

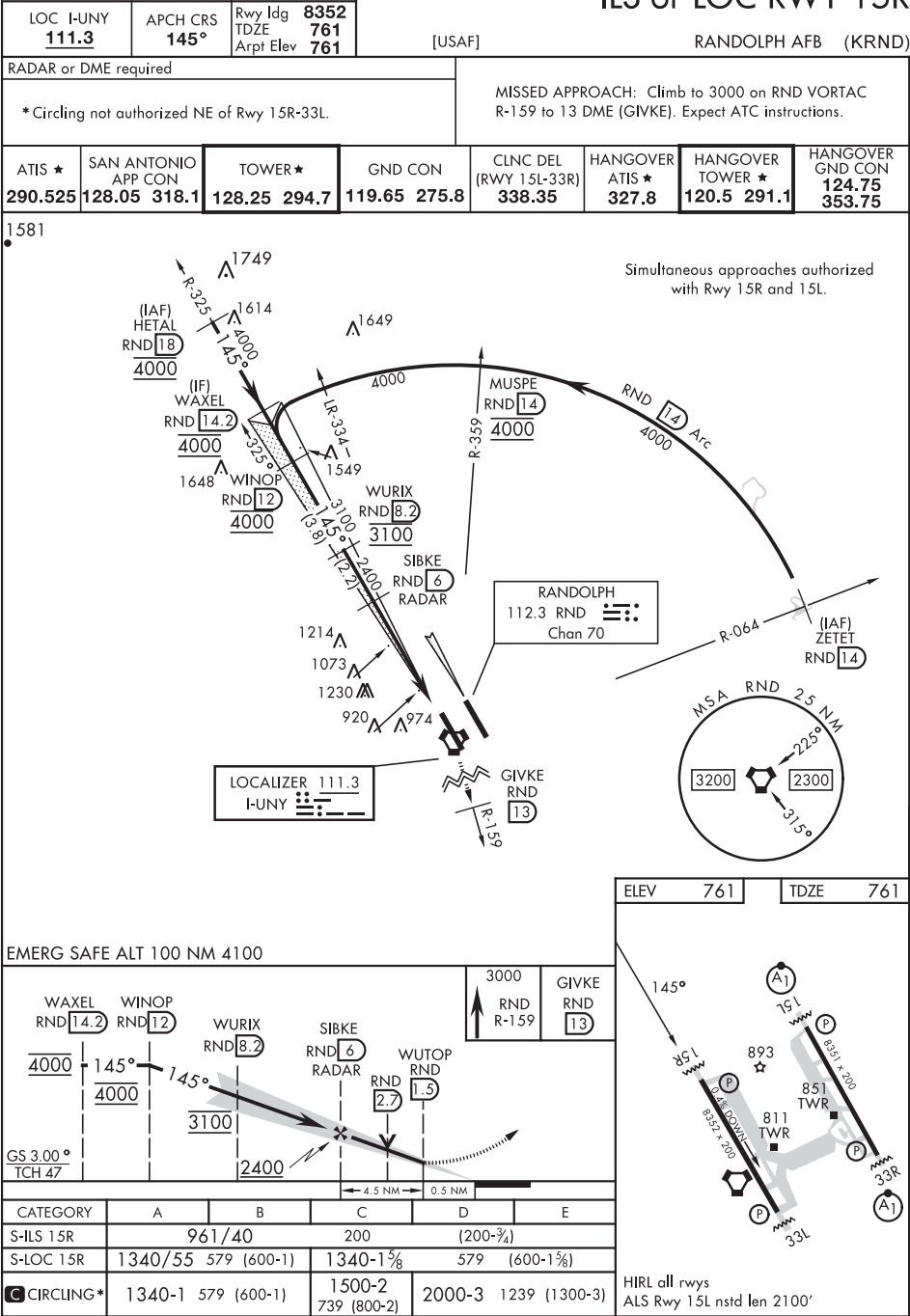
29°38'N-104°22'W

PRESIDIO LELY INTL (PRS)

RNAV (GPS)-A

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS or LOC RWY 15R



UNIVERSAL CITY, TEXAS

LOC I-VQE <u>111.1</u>	APCH CRS 325°	Rwy Idg 8352 TDZE 733 Arpt Elev 761
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[USAF]

RANDOLPH AFB (KRND)

RADAR or DME required.

MISSED APPROACH: Climb to 3000 on RND VORTAC R-317 to 13 DME (HAKTI). Expect ATC instructions.

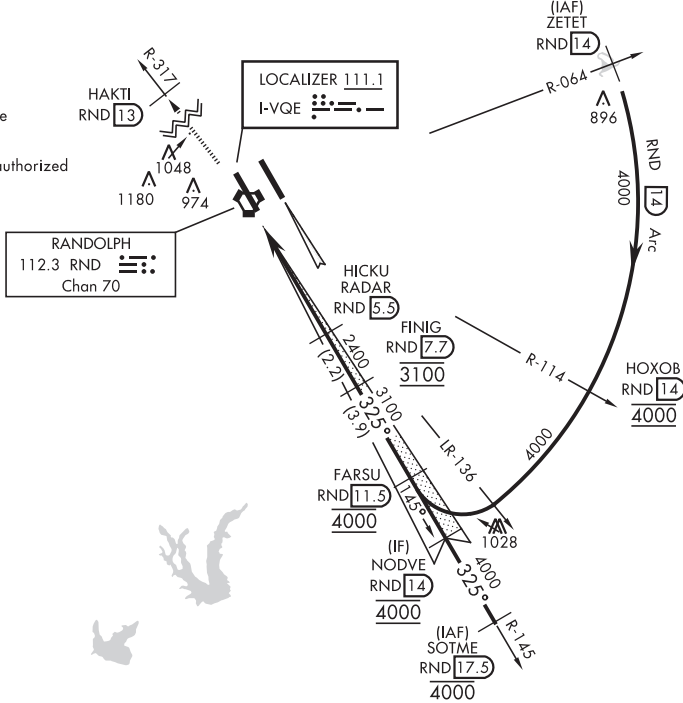
* Circling not authorized NE of Rwy 15R-33L.

ATIS ★	SAN ANTONIO APP CON	TOWER ★	GND CON	CLNC DEL (RWY 15L-33R)	HANGOVER ATIS ★	HANGOVER TOWER ★	HANGOVER GND CON
290.525	128.05 318.1	128.25 294.7	119.65 275.8	338.35	327.8	120.5 291.1	124.75 353.75

1348

Coupled approach unusable below 953'.

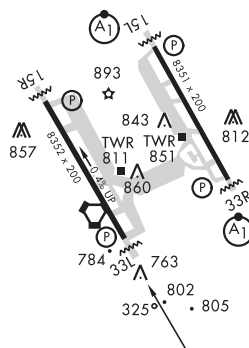
Simultaneous approaches authorized with Rwy 33L and 33R.



EMERG SAFE ALT 100 NM 4100

ELEV	761		TDZE	733
------	-----	--	------	-----

ALS Rwy 15L nstd len 2100'
HIRL all rwys



UNIVERSAL CITY, TEXAS

29°32'N-98°17'W

RANDOLPH AFB (KRND)

Amdt 3 17APR25

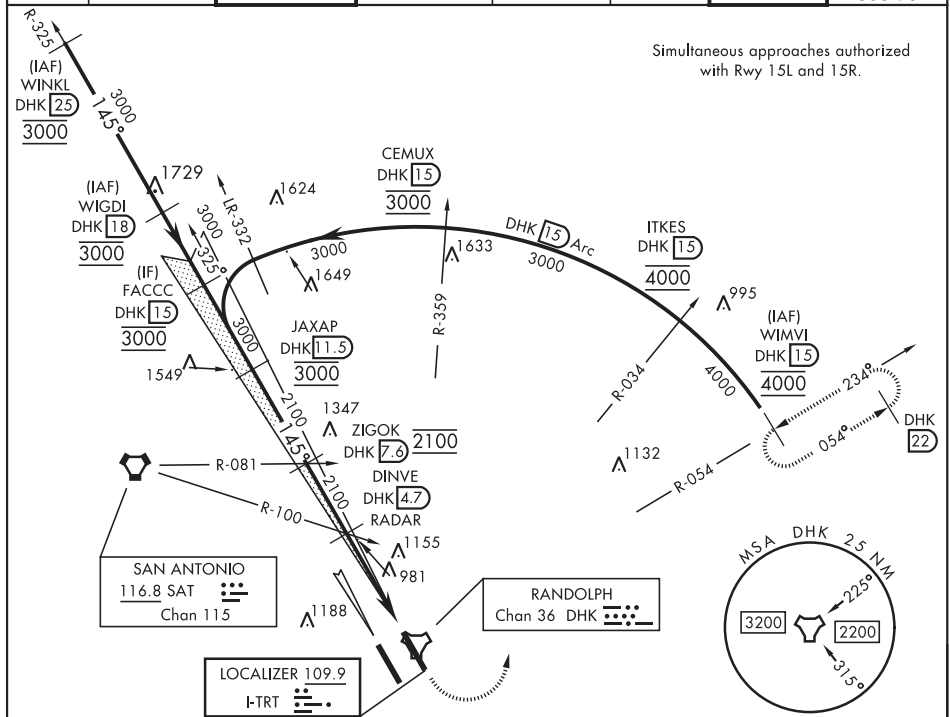
ILS or LOC RWY 33L

SC-3, 12 JUN 2025 to 07 AUG 2025

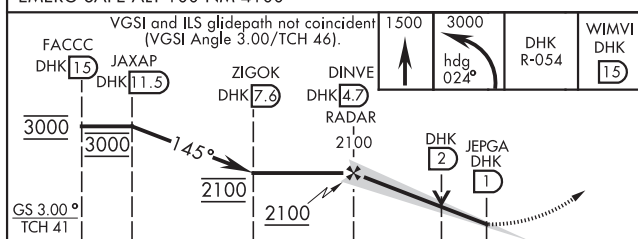
SC-3, 12 JUN 2025 to 07 AUG 2025



ILS or LOC Y RWY 15L

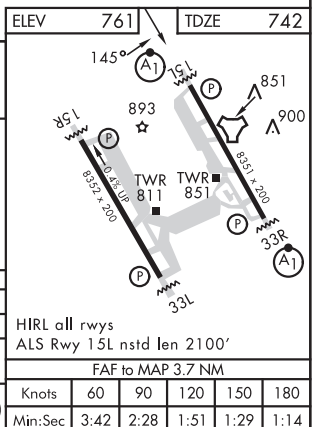
LOC I-TRT <u>109.9</u>		APCH CRS 145°		Rwy Idg 8351 TDZE 742 Arpt Elev 761		[USAF]		RANDOLPH AFB (KRND)			
RADAR or DME required						<div>ALSF-1</div> <div><div>A1</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div>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EMERG SAFE ALT 100 NM 4100



					
CATEGORY	A	B	C	D	E
S-ILS 15L	942/40		200 (200-¾)		
S-LOC 15L *	1260/40	518 (500-¾)	1260-1¼		518 (500-1¼)
 CIRCLING**	1260-1	499 (500-1)	1260-1½ 499 (500-1½)		1900-3 1139 (1200-3)



UNIVERSAL CITY, TEXAS

29°32'N-98°17'W

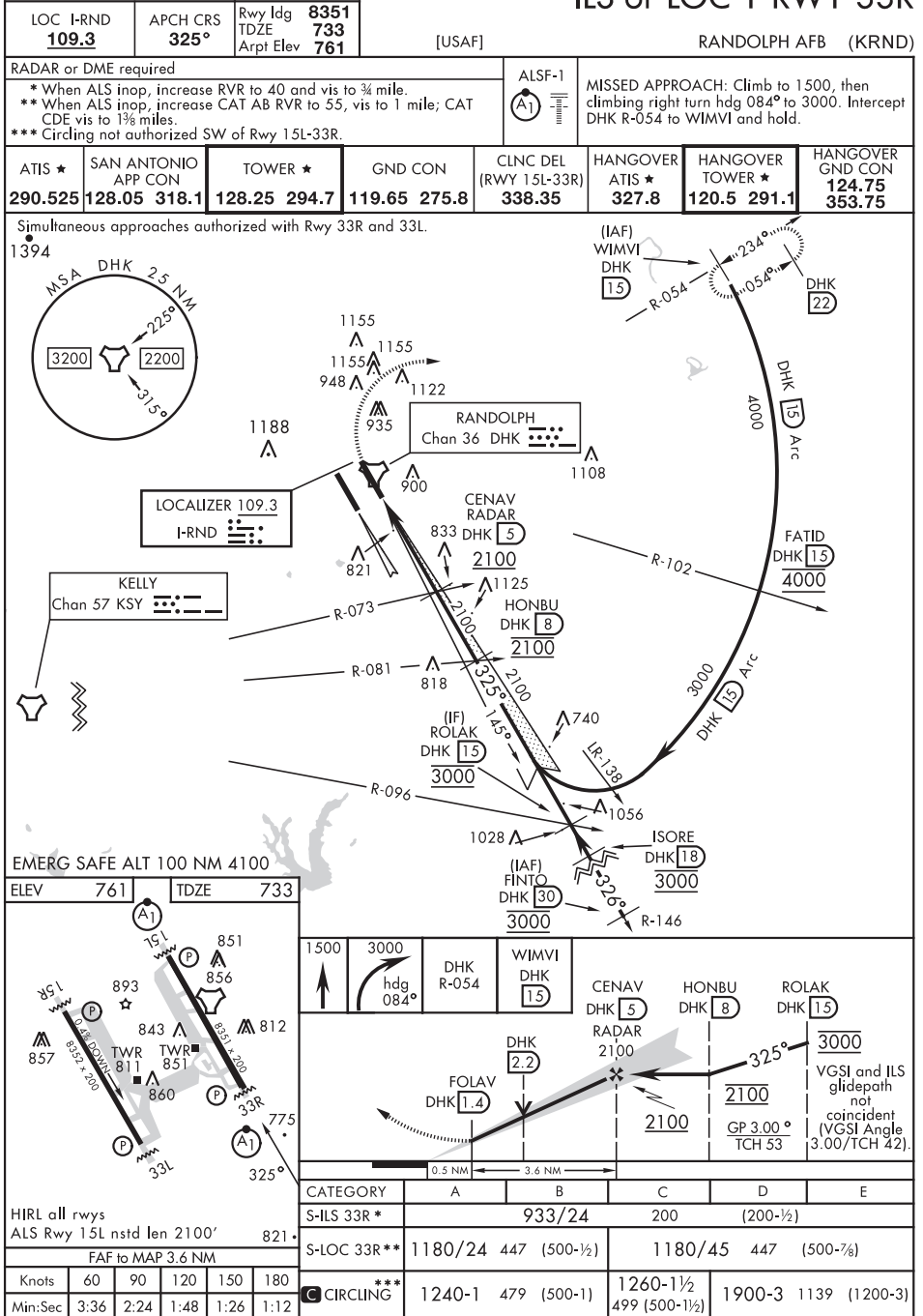
RANDOLPH AFB (KRND)

Amdt 3 20FEB25

ILS or LOC Y RWY 15L

UNIVERSAL CITY, TEXAS

ILS or LOC Y RWY 33R



RNAV (GPS) RWY 15L

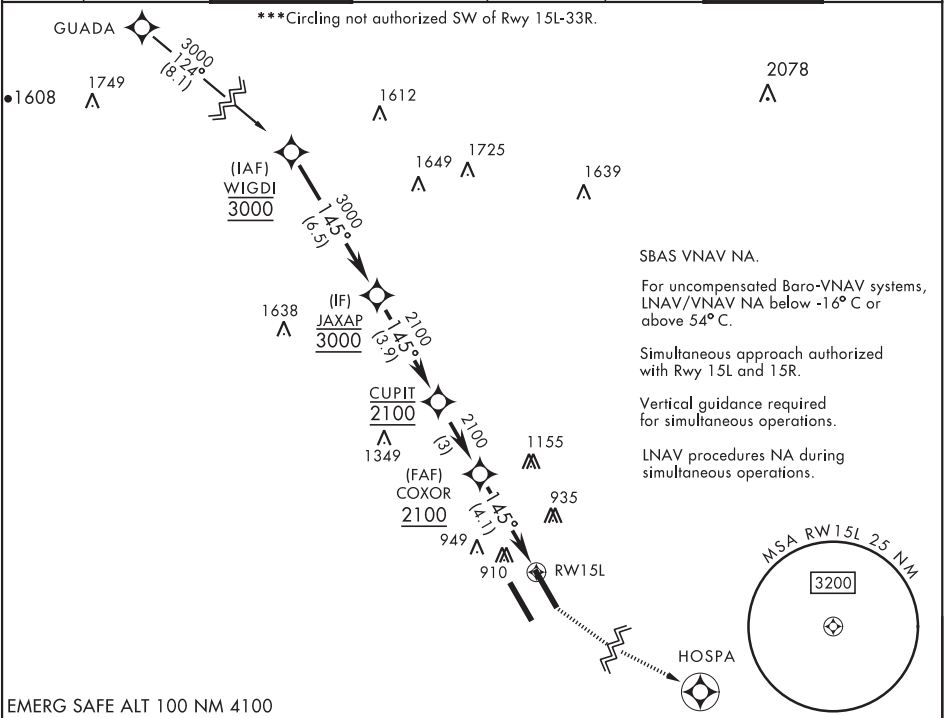
APCH CRS	Rwy Idg	8351
145°	TDZE	742
	Arpt Elev	761

[USAF]

RANDOLPH AFB (KRND)

RNP APCH - GPS		ALSF-1 	MISSED APPROACH: Climb to 1500, then climbing left turn to 3000 direct HOSPA. Expect ATC instructions.
*When ALS inop, increase CAT ABC RVR to 45, vis to 7/8 mile, CAT DE RVR to 50, vis to 1 mile. **When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 1 3/8 miles.			

ATIS★	SAN ANTONIO APP CON	TOWER★	GND CON	CLNC DEL (RWY 15L-33R)	HANGOVER ATIS★	HANGOVER TOWER★	HANGOVER GND CON
290.525	128.05 318.1	128.25 294.7	119.65 275.8	338.35	327.8	120.5 291.1	124.75 353.75



EMERG SAFE ALT 100 NM 4100

WIGDI		1500	3000	HOSPA	ELEV 761	TDZE 742
GP 3.00° TCH 46						
CATEGORY	A	B	C	D	E	
LNAV/VNAV DA*	1043/40 301 (300-3/4)	1054/40 312 (300-3/4)	1062/40 320 (400-3/4)	1073/40 331 (400-3/4)		
LNAV MDA**	1260/40 518 (500-3/4)		1260-1 1/4 518 (500-1 1/4)			
CIRCLING***	1260-1	499 (500-1)	1260-1 1/2 499 (500-1 1/2)	1900-3	1139 (1200-3)	HIRL all rwys ALS Rwy 15L nstd len 2100'

RNAV (GPS) RWY 15L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

UNIVERSAL CITY, TEXAS

APCH CRS 145°	Rwy Idg 8352 TDZE 761 Arpt Elev 761
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[USAF]

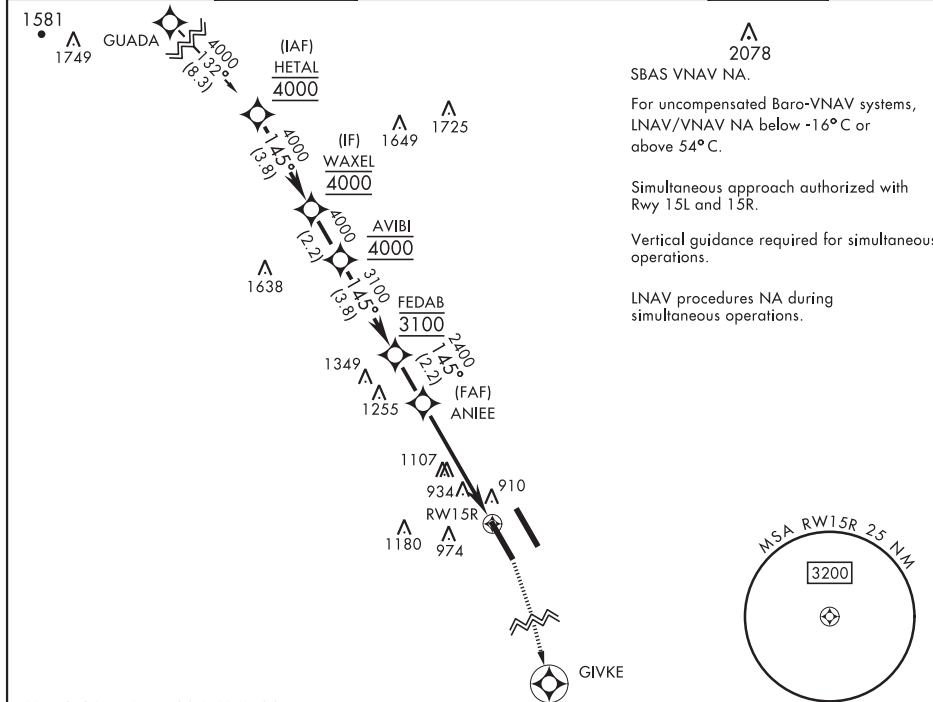
RANDOLPH AFB (KRND)

RNP APCH - GPS

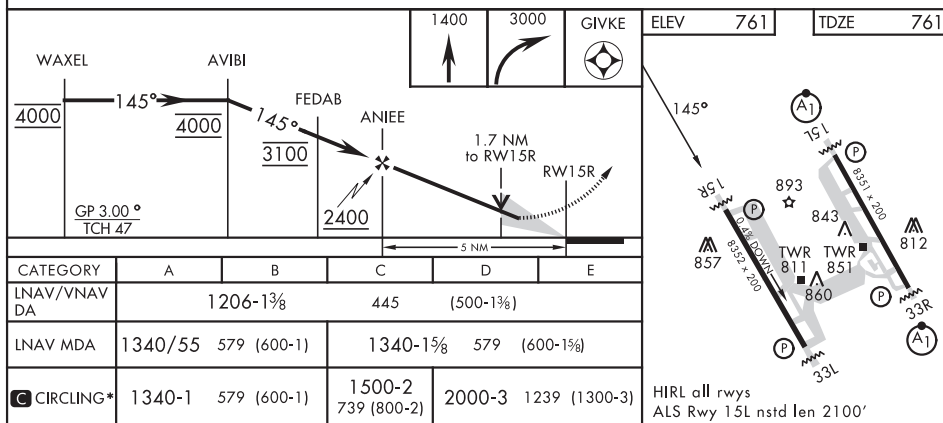
* Circling not authorized NE of Rwy 15R-33L.

MISSED APPROACH: Climb to 1400 then climbing right turn to 3000 direct GIVKE. Expect ATC instructions.

ATIS ★	SAN ANTONIO APP CON	TOWER ★	GND CON	CLNC DEL (RWY 15L-33R)	HANGOVER ATIS ★	HANGOVER TOWER ★	HANGOVER GND CON
290.525	128.05 318.1	128.25 294.7	119.65 275.8	338.35	327.8	120.5 291.1	124.75 353.75



EMERG SAFE ALT 100 NM 4100



UNIVERSAL CITY, TEXAS

29°32'N-98°17'W

RANDOLPH AFB (KRND)

Amdt 4 20FEB25

RNAV (GPS) RWY 15R

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 33L

APCH CRS 325°	Rwy Idg 8352 TDZE 733 Arpt Elev 761
-------------------------	--

[USAF]

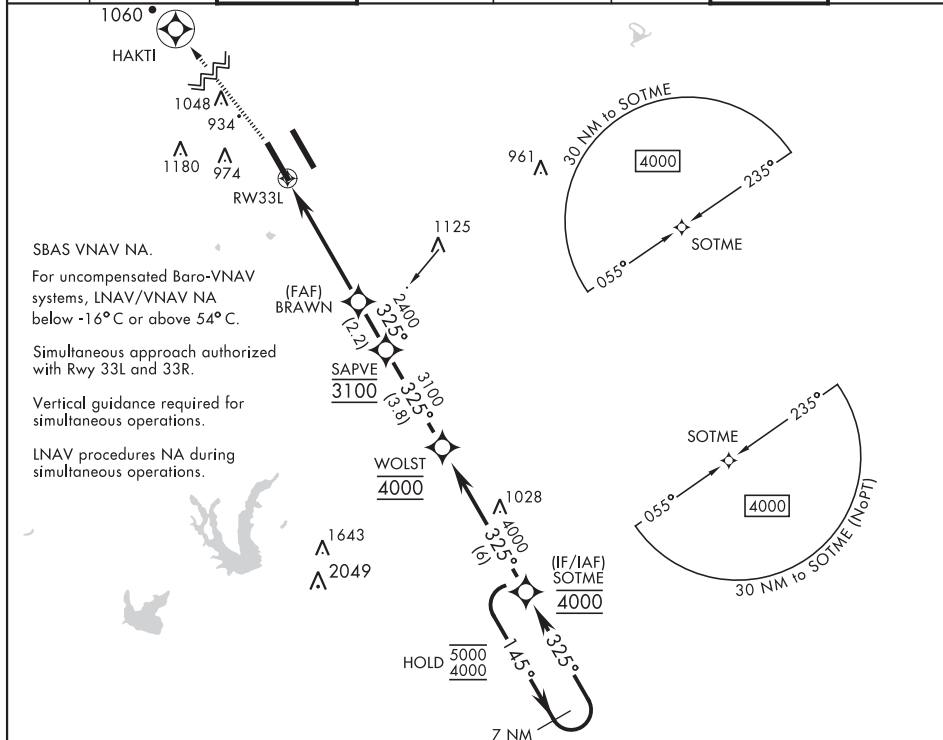
RANDOLPH AFB (KRND)

RNP APCH - GPS

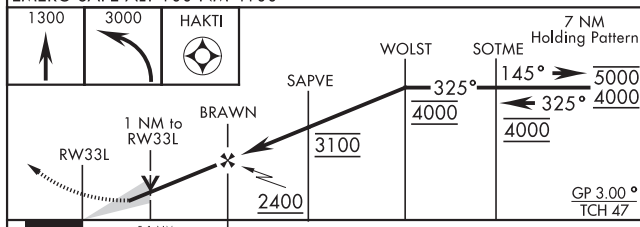
MISSED APPROACH: Climb to 1300, then climbing left turn to 3000 direct HAKTI. Expect ATC instructions.


* Circling not authorized NE of Rwy 15R-33L.

ATIS ★	SAN ANTONIO APP CON	TOWER ★	GND CON	CLNC DEL (RWY 15L-33R)	HANGOVER ATIS ★	HANGOVER TOWER ★	HANGOVER GND CON
290.525	128.05 318.1	128.25 294.7	119.65 275.8	338.35	327.8	120.5 291.1	124.75 353.75



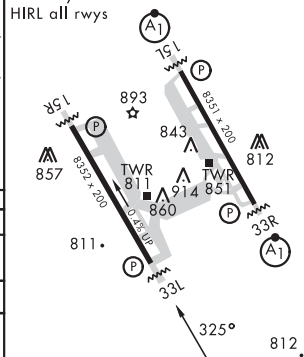
EMERG SAFE ALT 100 NM 4100



CATEGORY		A	B	C	D	E
INAV/VNAV DA		983/40	250	(300-¾)	992/40 259 (300-¾)	1030/45 297 (300-¾)
INAV MDA		1080/55		347 (400-1)		
 CIRCLING*	1240-1 479 (500-1)	1280-1 519 (600-1)	1500-2 739 (800-2)	2000-3	1239 (1300-3)	

ELEV	761		TDZE	733
------	-----	--	------	-----

ALS Rwy 15L nstd len 2100'
HIRL all rwys



UNIVERSAL CITY, TEXAS

29°32'N-98°17'W

RANDOLPH AFB (KRND)

Amdt 4 20FEB25

RNAV (GPS) RWY 33L


UNIVERSAL CITY, TEXAS

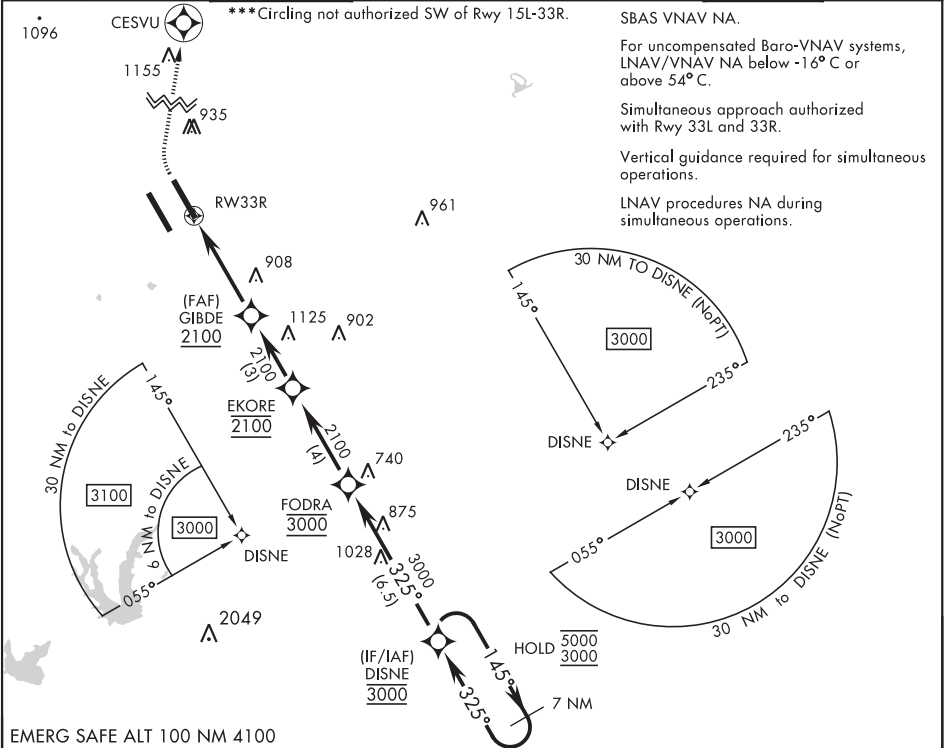
RNAV (GPS) RWY 33R




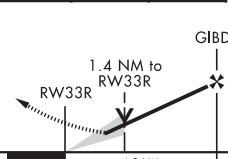
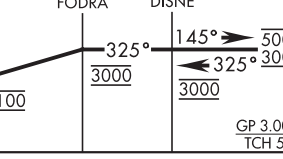
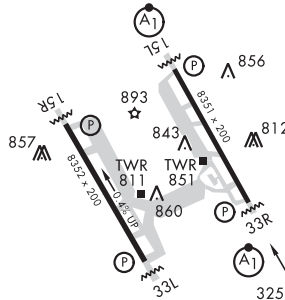
APCH CRS	Rwy Idg	8351
325°	TDZE	733
	Arpt Elev	761

[USAF]

RANDOLPH AFB (KRND)

RNP APCH - GPS				ALSIF-1		MISSED APPROACH: Climb to 1500 then climbing right turn to 3000 direct CESVU. Expect ATC instructions.		
* When ALS inop, increase CAT ABCD RVR to 40, vis to ¾ mile; CAT E RVR to 45, vis to ½ mile. ** When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile; CAT CDE vis to 1 ¾ miles.								
ATIS ★	SAN ANTONIO APP CON	TOWER ★		GND CON	CLNC DEL (RWY 15L-33R)	HANGOVER ATIS ★	HANGOVER TOWER ★	HANGOVER GND CON
290.525	128.05 318.1	128.25 294.7		119.65 275.8	338.35	327.8	120.5 291.1	124.75 353.75



1500 		3000 		CESVU 		VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 42).						ELEV 761		TDZE 733	
															
CATEGORY		A		B		C		D		E					
LNAV/VNAV DA *		983/24		250 (300-½)				987/24 254 (300-½)		1025/24 292 (300-½)					
LNAV MDA **		1200/24		467 (500-½)		1200/50		467		(500-1)					
CIRCLING ***		1240-1		479 (500-1)		1260-1½ 499 (500-1½)		1900-3		1139 (1200-3)		HIRL all rwys ALS Rwy 15L nstd len 2100'			

UNIVERSAL CITY, TEXAS

29°32'N-98°17'W

RANDOLPH AFB (KRND)

Amtd 5 20FEB25

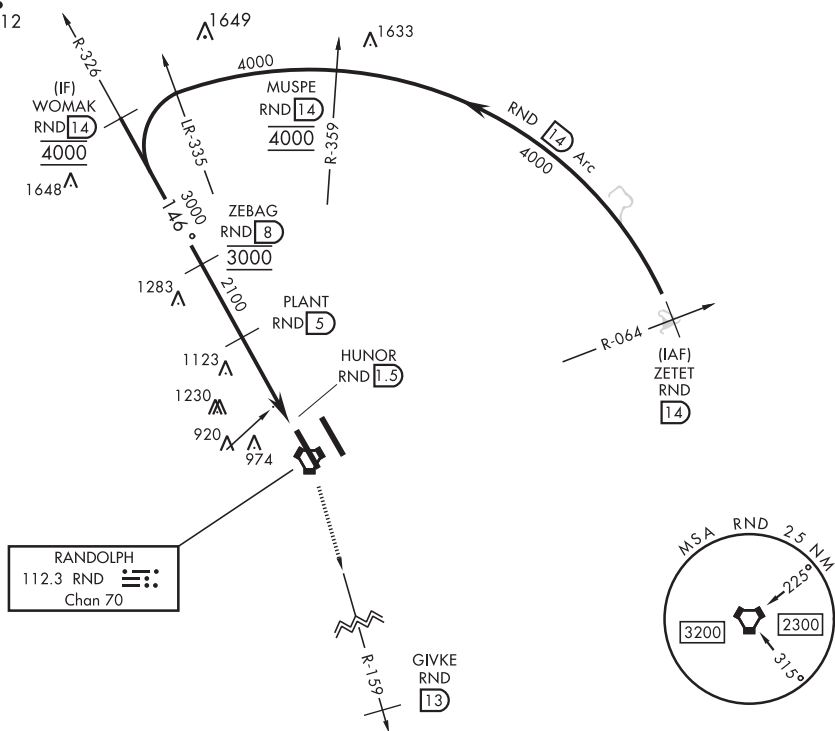
RNAV (GPS) RWY 33R

SC-3, 12 JUN 2025 to 07 AUG 2025

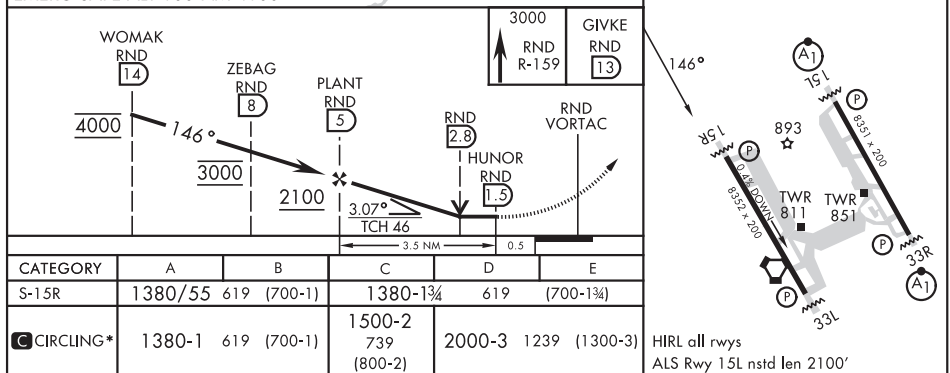
SC-3, 12 JUN 2025 to 07 AUG 2025

TACAN RWY 15R

VORTAC RND 112.3 Chan 70		APCH CRS 146°	Rwy Idg 8352 TDZE 761 Arpt Elev 761	[USAF]	TACAN RWT 15R RANDOLPH AFB (KRND)		
RADAR required				MISSED APPROACH: Climb to 3000 out RND VORTAC R-159 to 13 DME (GIVKE). Expect ATC instructions.			
* Circling not authorized NE of Rwy 15R-33L.							
ATIS ★	SAN ANTONIO APP CON	TOWER ★	GND CON	CLNC DLR (RWT 15L-33R)	HANGOVER ATIS ★	HANGOVER TOWER ★	HANGOVER GND CON
290.525	128.05 318.1	128.25 294.7	119.65 275.8	338.35	327.8	120.5 291.1	124.75 353.75



EMERG SAFE ALT 100 NM 4100



UNIVERSAL CITY, TEXAS

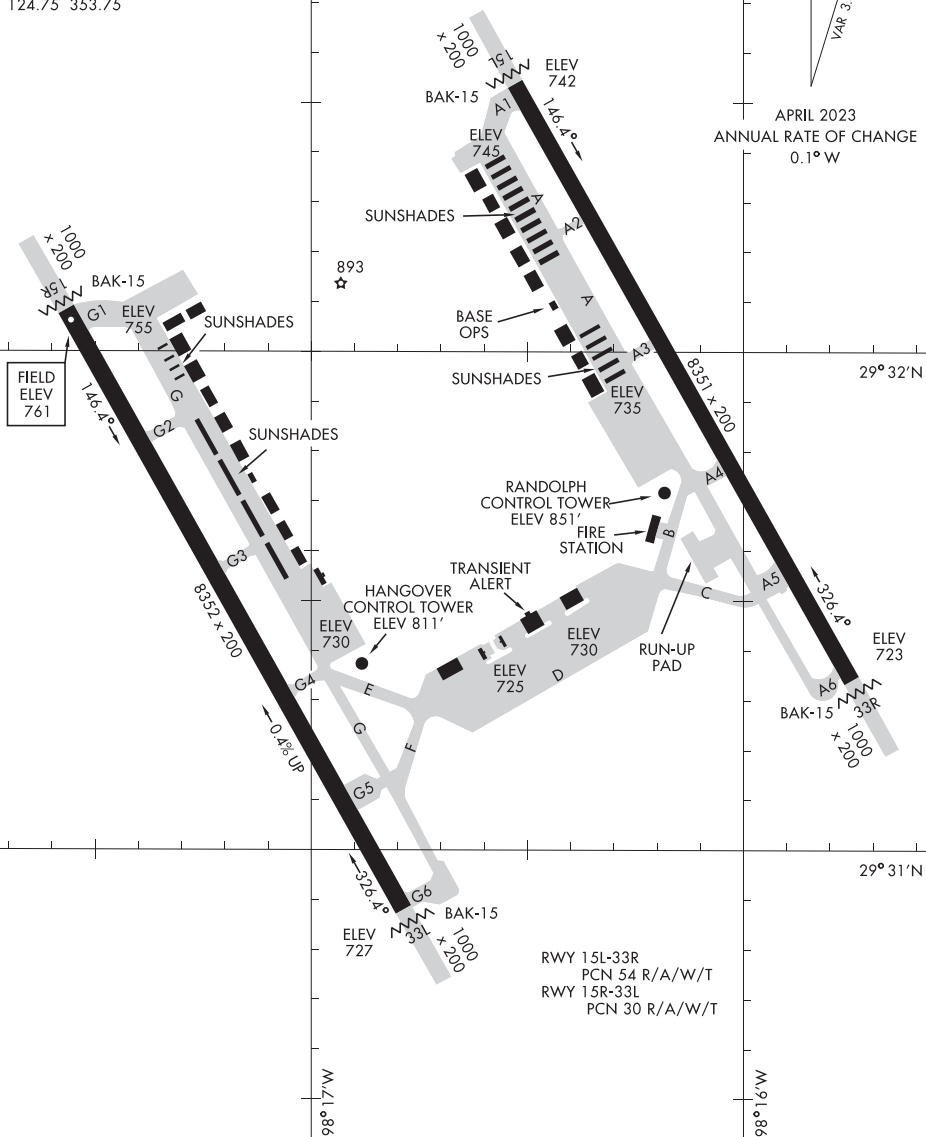
29°32'N-98°17'W

RANDOLPH AFB (KRND)

Amdt 3 26DEC24

TACAN RWY 15R

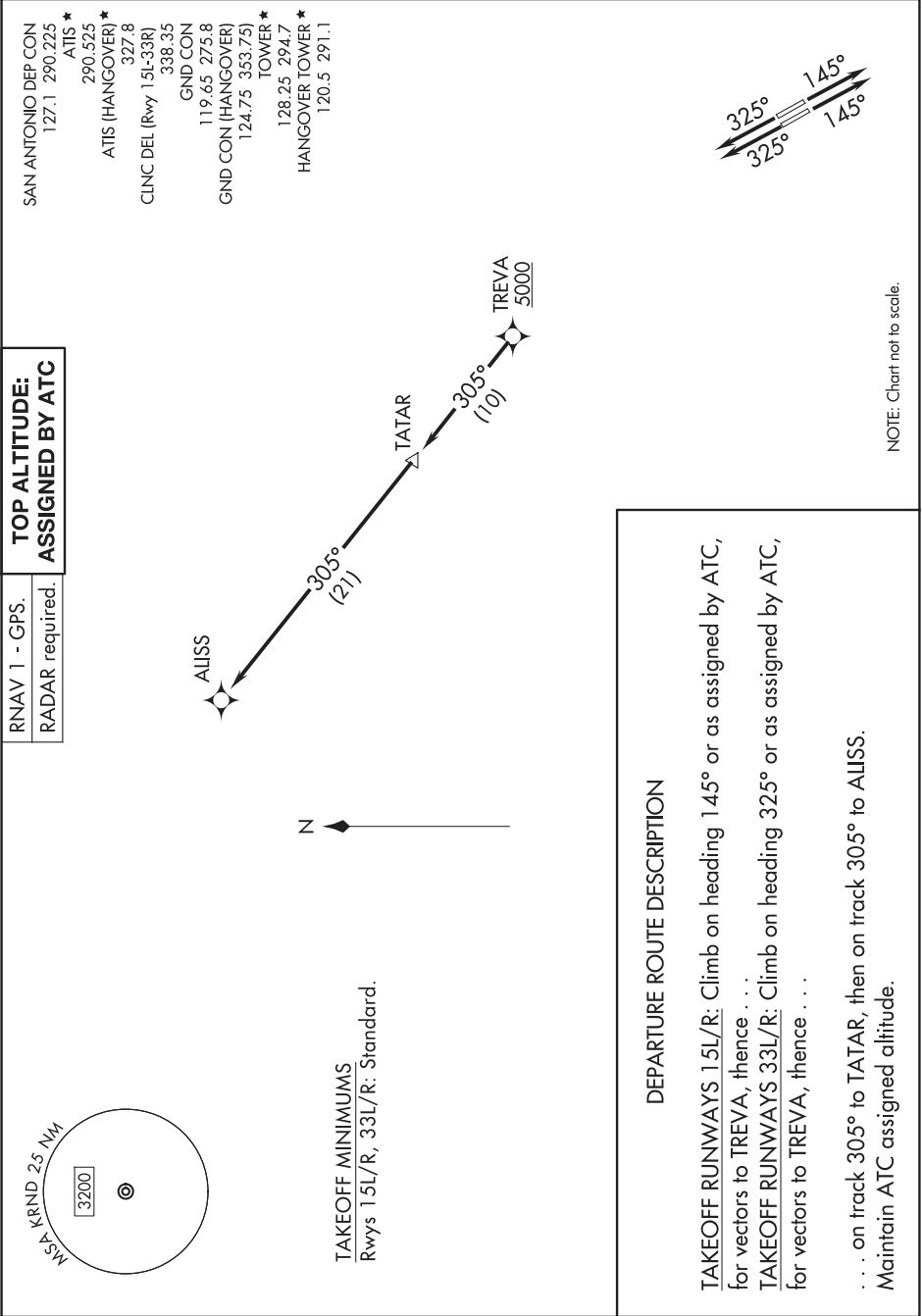
[USAF]

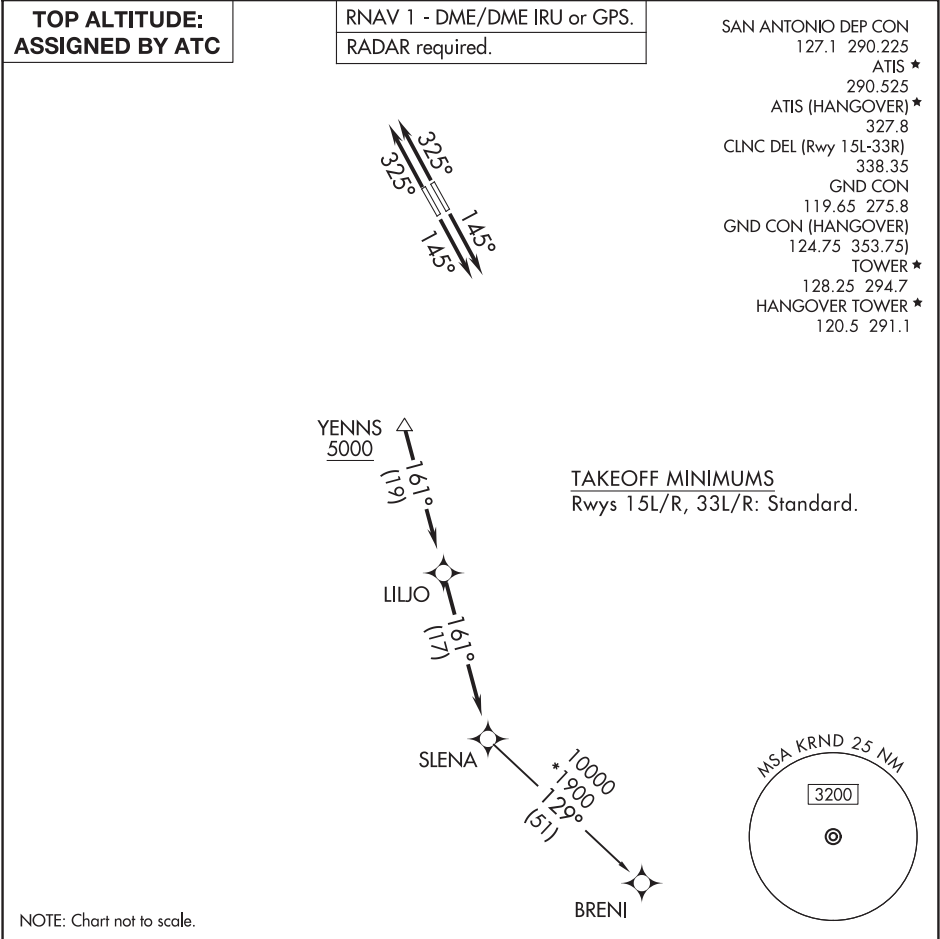


UNIVERSAL CITY, TEXAS
RANDOLPH AFB (KRND)

(ALISS6.ALISS) 24025

ALISS SIX DEPARTURE (RNAV)





DEPARTURE ROUTE DESCRIPTION

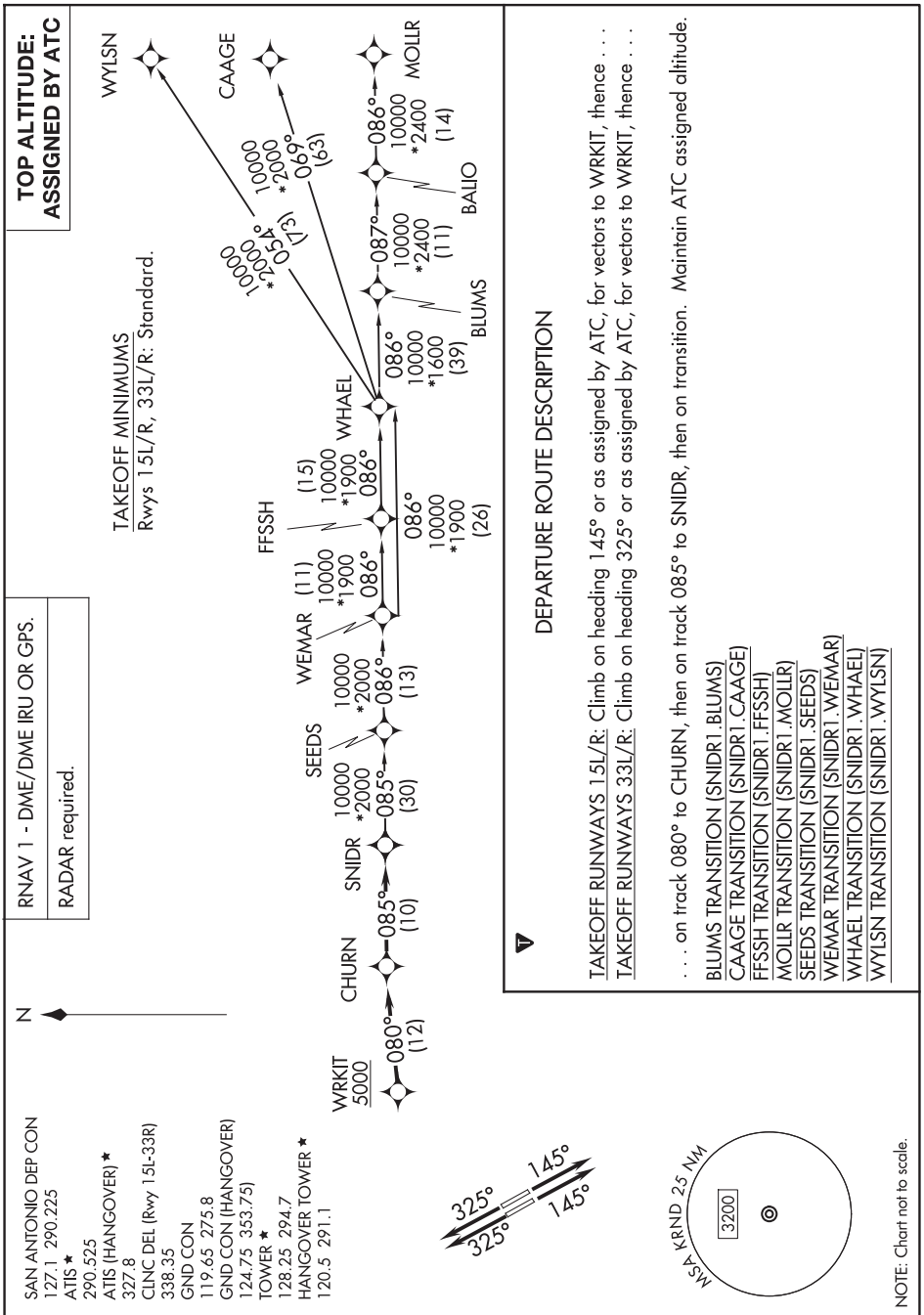
TAKEOFF RUNWAY 15L/R: Climb on heading 145° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAY 33L/R: Climb on heading 325° or as assigned by ATC, for vectors to YENNS, thence

. . . . on track 161° to LILJO, then on track 161° to SLENA, then on transition. Maintain ATC assigned altitude.

BRENI TRANSITION (SLENA1.BRENI)

SNIDR ONE DEPARTURE (RNAV)

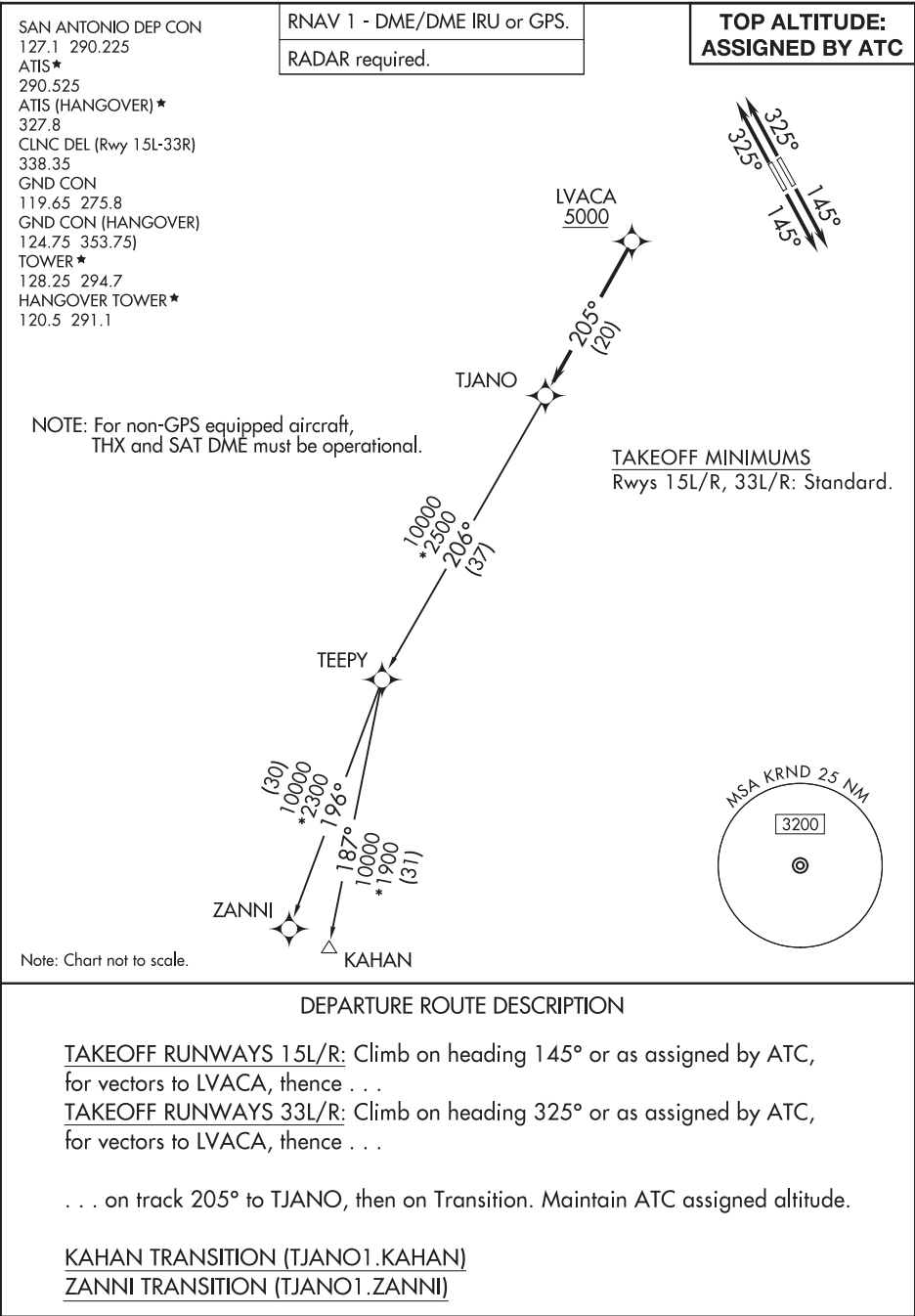


NOTE: Chart not to scale.

SNIDR ONE DEPARTURE (RNAV)

(SNIDR1.SNIDR) 25JAN24

UNIVERSAL CITY, TEXAS
RANDOLPH AFB (KRND)



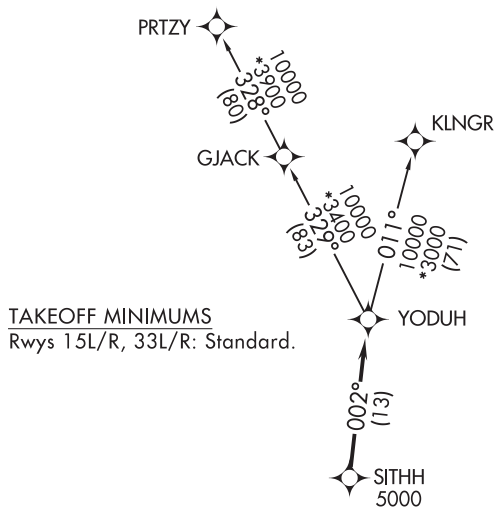
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 15L/R: Climb on heading 145° or as assigned by ATC,
for vectors to LVACA, thence . . .
TAKEOFF RUNWAYS 33L/R: Climb on heading 325° or as assigned by ATC,
for vectors to LVACA, thence . . .
... on track 205° to TJANO, then on Transition. Maintain ATC assigned altitude.

KAHAN TRANSITION (TJANO1.KAHAN)
ZANNI TRANSITION (TJANO1.ZANNI)

RADAR required.

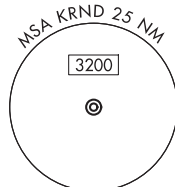
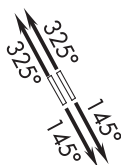
120.5 291.1



TAKEOFF MINIMUMS

Rwys 15L/R, 33L/R: Standard.

NOTE: Aircraft destined for airports north/northeast of DFW terminal area must file the KLNGR Transition.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 15L/R: Climb on heading 145° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAYS 33L/R: Climb on heading 325° or as assigned by ATC, for vectors to SITHH, thence . . .

... on track 002° to YODUH, then on Transition. Maintain ATC assigned altitude.

KLN GR TRANSITION (YODUH1.KLN GR)

PRTZY TRANSITION (YODUH1.PRTZY)

(YODUH1.YODUH) 25JAN24

UNIVERSAL CITY, TEXAS
RANDOLPH AFB (KRND)

WAAS CH 97430 W13A	APP CRS 129°	Rwy Idg 3700 TDZE 80 Apt Elev 80
--	------------------------	---


RNAV (GPS) RWY 13

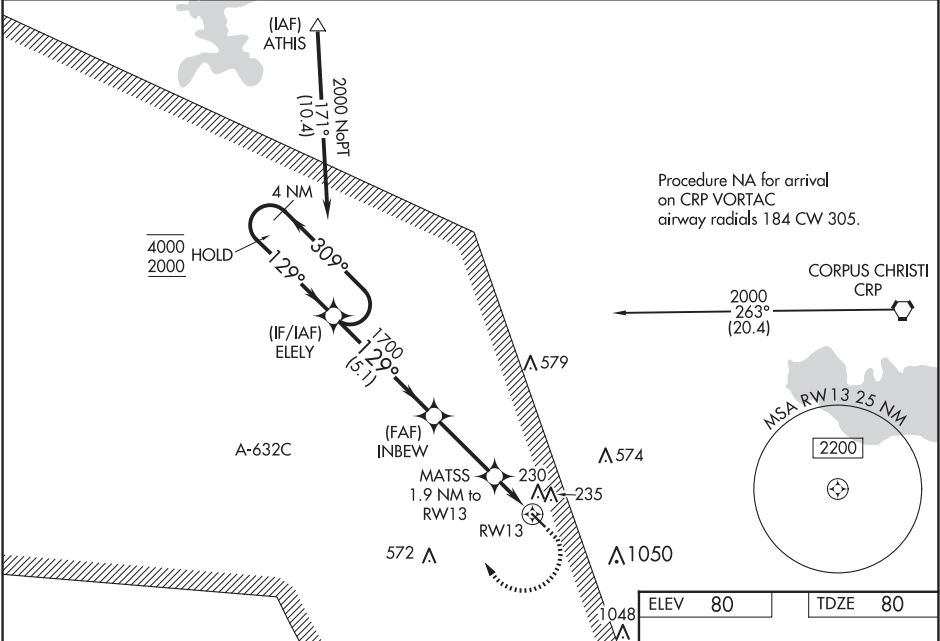
NUECES COUNTY (RBO)

RNP APCH.

⚠ Circling NA northeast of Rwy 13-31. Procedure NA at night. Baro-VNAV and VDP NA when using Corpus Christi Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use Corpus Christi Intl altimeter setting and increase LPV DA to 358 feet, LNAV/VNAV DA to 400 feet and all MDA 40 feet.

⚠ MISSED APPROACH: Climb to 540 then climbing right turn to 2000 direct ELEY and hold.

AWOS-3 118.175	KINGSVILLE APP CON ★ 119.9 290.45	CTAF 122.9	122.8 
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4 NM Holding Pattern

4000

2000

ELEY

GP 3.00°
TCH 40

309°

129°

INBEW

1700

5.1 NM

3.1 NM

0.8 NM

1.1 NM

540

2000

ELEY

MATSS

1.9 NM to RWY13

*1.1 NM to RWY13


RWY13


*LNAV only.

129°

129°

3700 X 75

CATEGORY	A	B	C	D
LPV DA	330-1	250 (300-1)		NA
LNNAV/VNAV DA	372-1	292 (300-1)		NA
LNNAV MDA	480-1	400 (400-1)		NA
 CIRCLING	540-1 460 (500-1)	640-1 560 (600-1)		NA

MIRL Rwy 13-31 

ROBSTOWN, TEXAS

AL-6929 (FAA)

23166

WAAS CH 50340 W31A	APP CRS 309°	Rwy Idg 3700 TDZE 79 Apt Elev 80
--	------------------------	---

RNAV (GPS) RWY 31

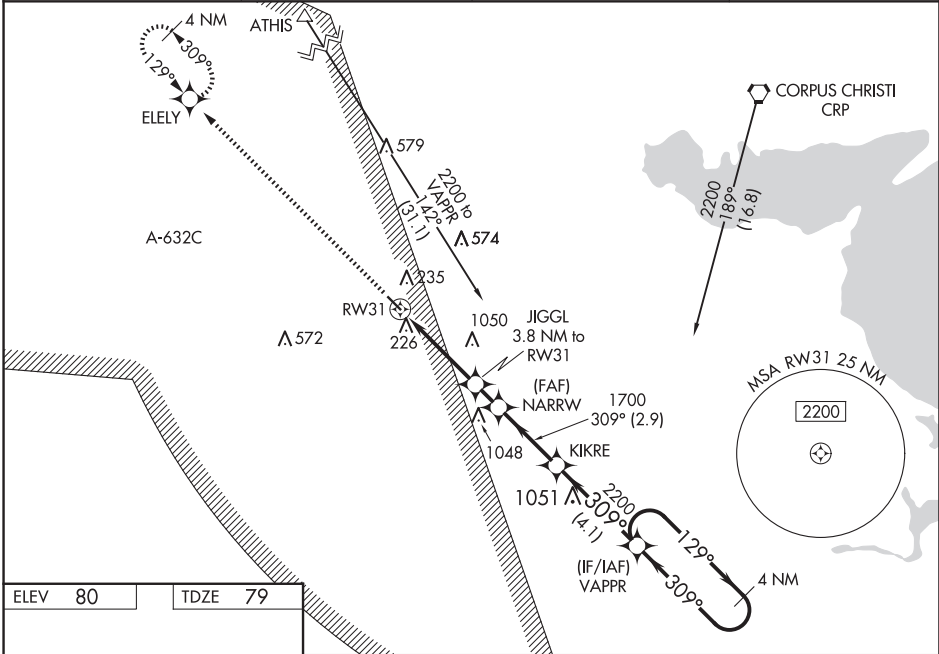
NUECES COUNTY (R.B.O)

⚠

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Circling NA northeast of Rwy 13-31. Baro-VNAV and VDP NA when using Corpus Christi Intl altimeter setting. Rwy 31 helicopter visibility reduction below 3/4 SM NA. DME/DME RNP-0.3 NA. Procedure NA at night. When local altimeter not received, use Corpus Christi Intl altimeter setting and increase LPV DA to 357 feet, LNAV/VNAV DA to 398 feet and all MDA 40 feet, increase LNAV/VNAV all Cats visibility 1/8 SM.

MISSED APPROACH: Climb to 2000 direct ELEY and hold.

AWOS-3 118.175	KINGSVILLE APP CON ★ 119.9 290.45	CTAF 122.9	122.8 0
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ELEV 80

TDZE 79

MIRL Rwy 13-31 0

	2000	ELEY						
				NARRW	KIKRE	VAPPR	4 NM Holding Pattern	
				JIGGL 3.8 NM to RW31	1700	309°	129°	2200
				1.1 NM to RW31	1320	1700		GP 3.00° TCH 40
				1.1 NM	2.7 NM	1.2 NM	2.9 NM	4.1 NM
CATEGORY	A		B		C		D	
LPV DA	329-1	250 (300-1)					NA	
LNAV/VNAV DA	370-1	291 (300-1)					NA	
LNAV MDA	480-1	401 (400-1)					NA	
CIRCLING	540-1	460 (500-1)					NA	

ROBSTOWN, TEXAS
Orig 22JUN17

27°47'N-97°41'W

NUECES COUNTY (R.B.O)

RNAV (GPS) RWY 31

SC-3, 12 JUN 2025 to 07 AUG 2025

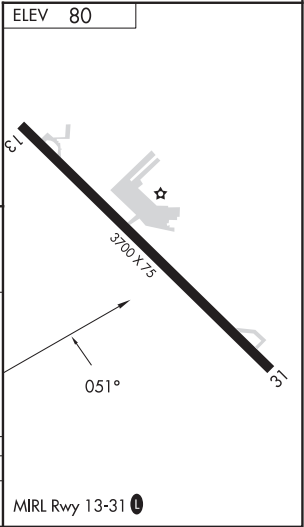
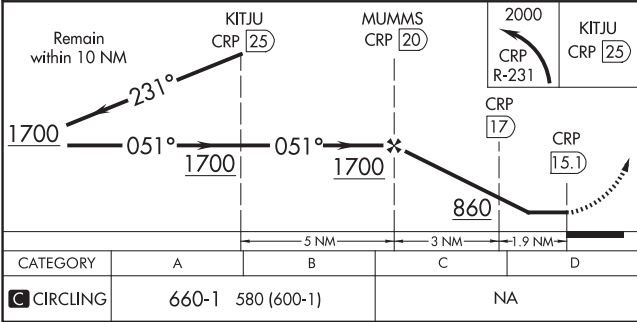
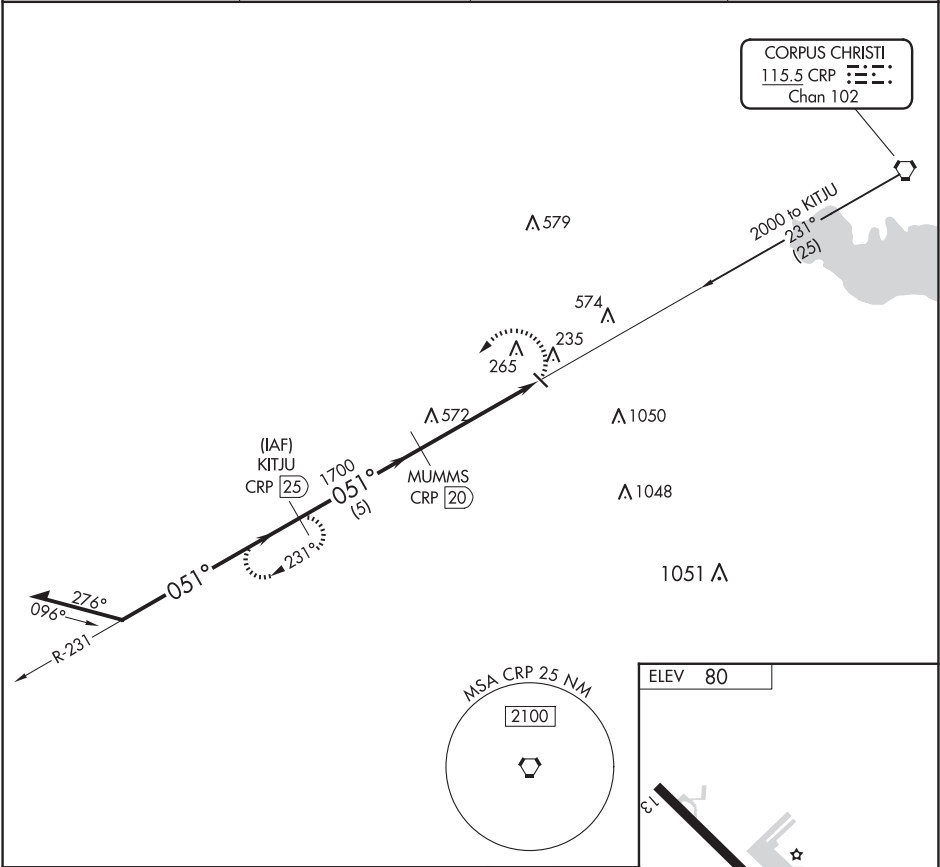
SC-3, 12 JUN 2025 to 07 AUG 2025

VORTAC CRP	APP CRS	Rwy Idg	N/A
115.5	051°	TDZE	N/A
Chan 102		Apt Elev	80

VOR/DME-A

NUECES COUNTY (RBO)

<div><div><div><div></div><div>NA</div></div></div><div>When local altimeter setting not received, use Corpus Christi Intl altimeter setting. Circling not authorized northeast of Rwy 13-31.</div></div>		MISSED APPROACH: Climbing left turn to 2000 via CRP R-231 to KITJU/CRP 25 DME and hold.	
AWOS-3	KINGSVILLE APP CON ★	CTAF	
118.175	119.9 290.45	122.9	122.8 0



ROCKPORT, TEXAS

AL-991 (FAA)

19339

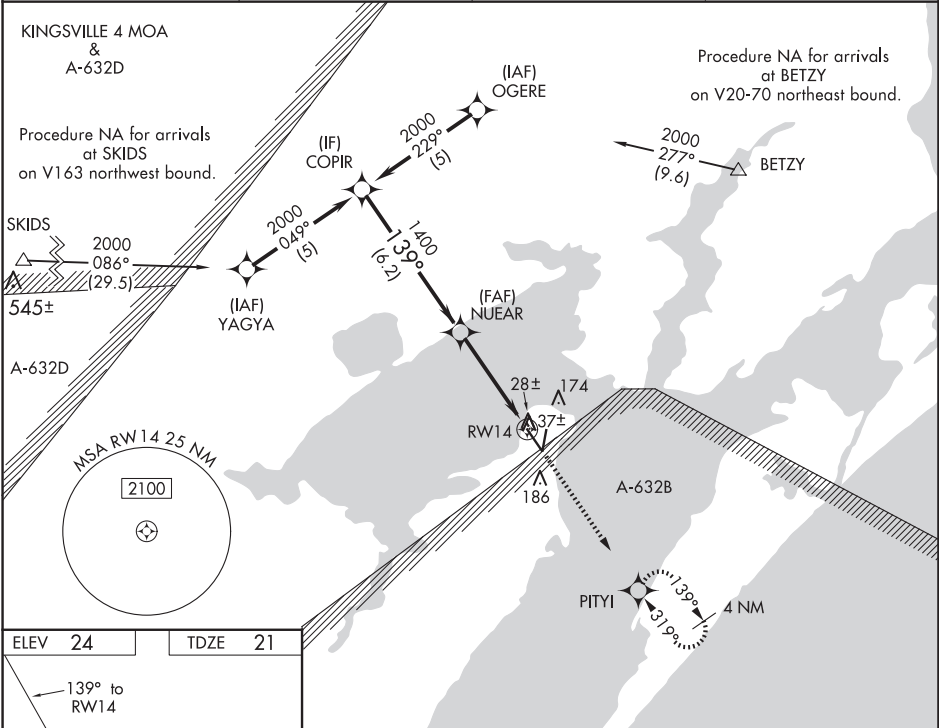
WAAS CH 53617 W14A	APP CRS 139°	Rwy Idg 5608 TDZE 21 Apt Elev 24
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RNAV (GPS) RWY 14
ARANSAS COUNTY (RKP)

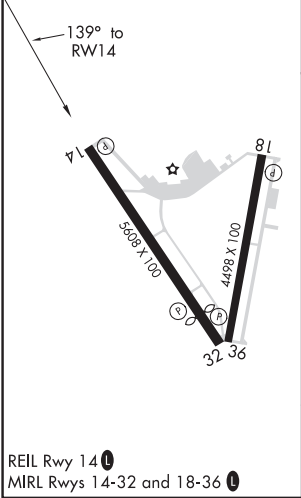
⚠ Baro-VNAV NA when using Ingleside altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Ingleside altimeter setting and increase all DA 33 feet and all MDA 40 feet increase LNAV/VNAV all Cats visibility ¼ mile. VDP NA with Ingleside altimeter setting.

MISSED APPROACH:
Climb to 2000 direct PITYI and hold.

ASOS 119.275	CORPUS APP CON 120.9 348.725	CLNC DEL 121.7	UNICOM 123.05 (CTAF) 0
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ELEV 24	TDZE 21
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Procedure Turn NA COPIR		* LNAV only	2000	PITYI
2000		139°		
GP 3.00° TCH 35		1400		
		6.2 NM		
		3.3 NM		
		0.9 NM		
		* 0.9 NM to RWY 14		
		RWY 14		
CATEGORY	A	B	C	D
LPV DA	271-1		250 (300-1)	NA
LNAV/VNAV DA	378-1¼		357 (400-1¼)	NA
LNAV MDA	320-1		299 (300-1)	NA
CIRCLING	500-1		476 (500-1)	500-1½ 476 (500-1½)

ROCKPORT, TEXAS
Amdt 3A 04APR13

28°05'N-97°03'W

ARANSAS COUNTY (RKP)
RNAV (GPS) RWY 14

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 32
ARANSAS COUNTY (RKP)

MISSED APPROACH:
Climb to 2000 direct
COPIR and hold.

UNICOM
123.05 (CTAF) **L**

Procedure NA for arrivals
at BETZY
on V20-70 northeast bound.

A-632D

Procedure NA for arrivals
at SKIDS
on V163 northwest bound

MSA RWS2 25 NM

2000	COPR
	

VGSI and RNAV glidepath not coincident.
(VGSI Angle 3.00/TCH 25)

Procedure

Turn NA

* LNAV only

REIL Rwy 14 **L**
MIRI Rwy 14-32 and 18-36 **L**

28°05'N-97°03'W

ARANSAS COUNTY (RKP)

RNAV (GPS) RWY 32

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 61317 W36A	APP CRS 004°	Rwy ldg TDZE 23 Apt Elev 24	4498
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RNAV (GPS) RWY 36

ARANSAS COUNTY (RKP)

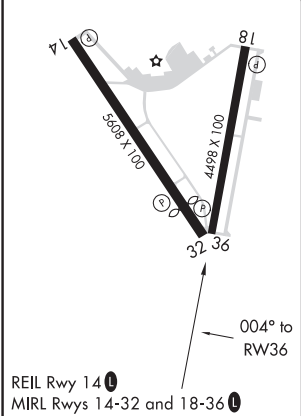
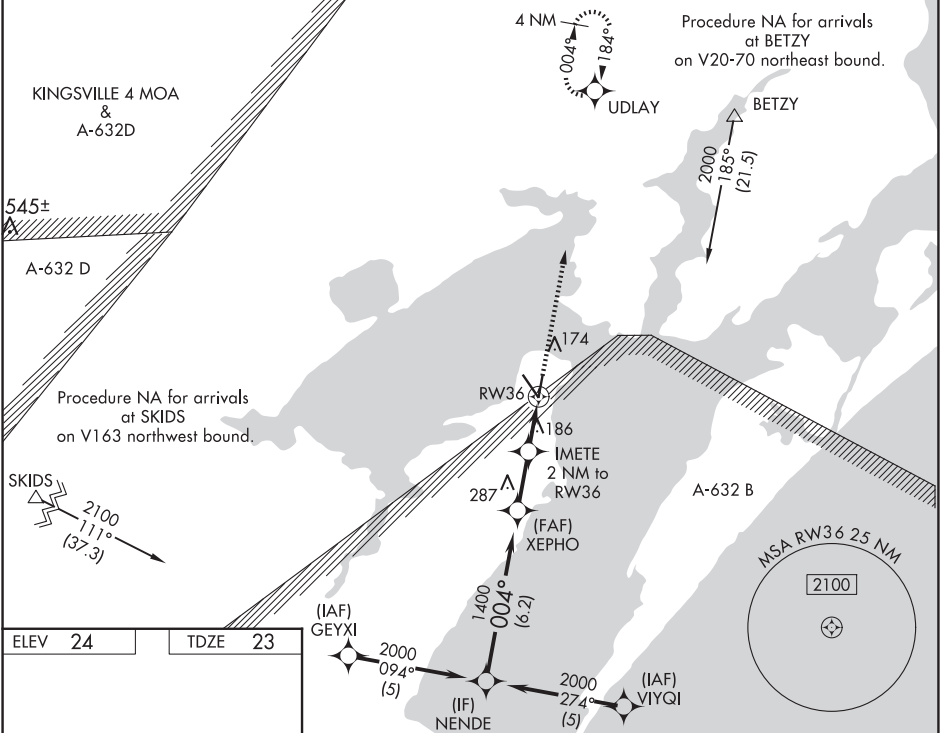
▼

▲

Baro-VNAV NA when using Ingleside altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Ingleside altimeter setting and increase all DA 33 feet and all MDA 40 feet. VDP NA with Ingleside altimeter setting.

MISSED APPROACH:
Climb to 2000 direct
UDLAY and hold.

ASOS 119.275	CORPUS APP CON 120.9 348.725	CLNC DEL 121.7	UNICOM 123.05 (CTAF) 0
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NENDE				XEPHO			
2000				1400			
Procedure Turn NA				IMETE 2 NM to RW36			
GP 3.00°				*1.2 NM to RW36			
TCH 42				RW36			
6.2 NM				2.1 NM			
0.8				1.2			
CATEGORY	A	B	C	D			
LPV DA	273-1	250 (300-1)			NA		
LNAV/VNAV DA	498-1¾	475 (500-1¾)			NA		
LNAV MDA	440-1	417 (500-1)	440-1¼	417 (500-1¼)	NA		
CIRCLING	500-1	476 (500-1)	500-1½	476 (500-1½)	NA		

ROCKPORT, TEXAS

AL-991 (FAA)

20198

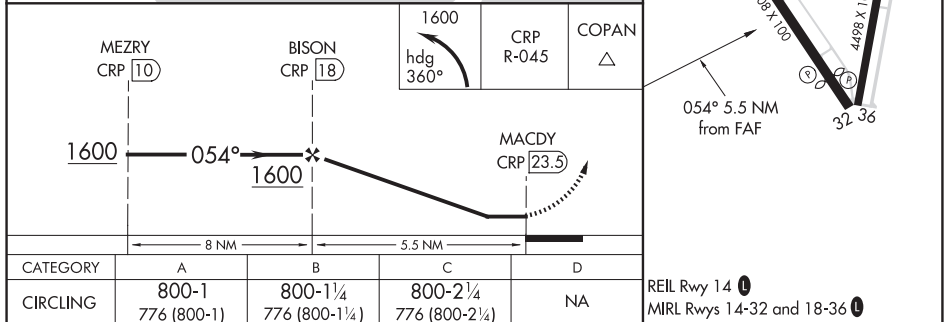
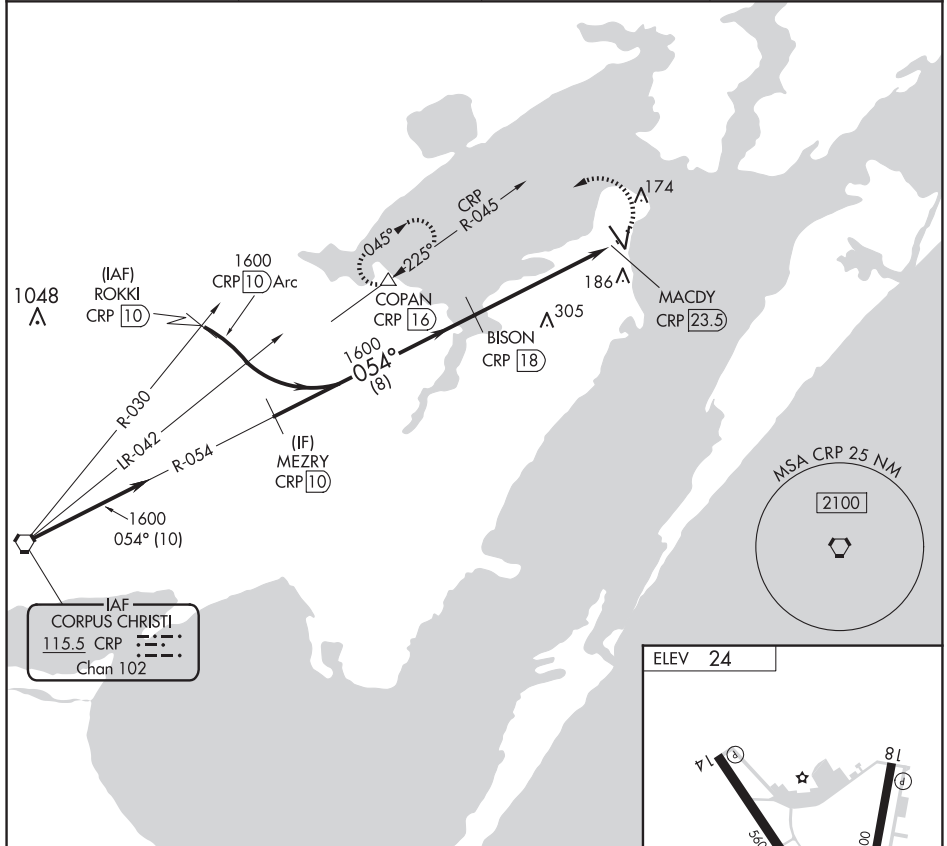
VORTAC CRP 115.5 Chan 102	APP CRS 054°	Rwy Idg TDZE Apt Elev N/A N/A 24
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VOR or TACAN-A

ARANSAS COUNTY (RKP)

DME required. ▼ ▲	MISSED APPROACH: Climbing left turn to 1600 on heading 360° and CRP VORTAC R-045 to COPAN/16 DME and hold.
-------------------------	--

ASOS 119.275	CORPUS APP CON 120.9 348,725	CLNC DEL 121.7	UNICOM 123.05 (CTAF) 1
------------------------	--	--------------------------	---



ROCKPORT, TEXAS
Amdt 9B 05DEC19

28°05'N-97°03'W

ARANSAS COUNTY (RKP)
VOR or TACAN-A

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ROCKSPRINGS, TEXAS

AL-6005 (FAA)

23222

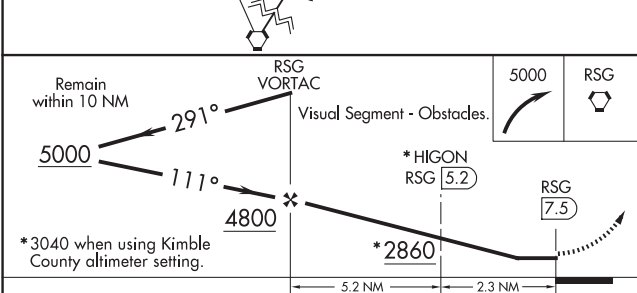
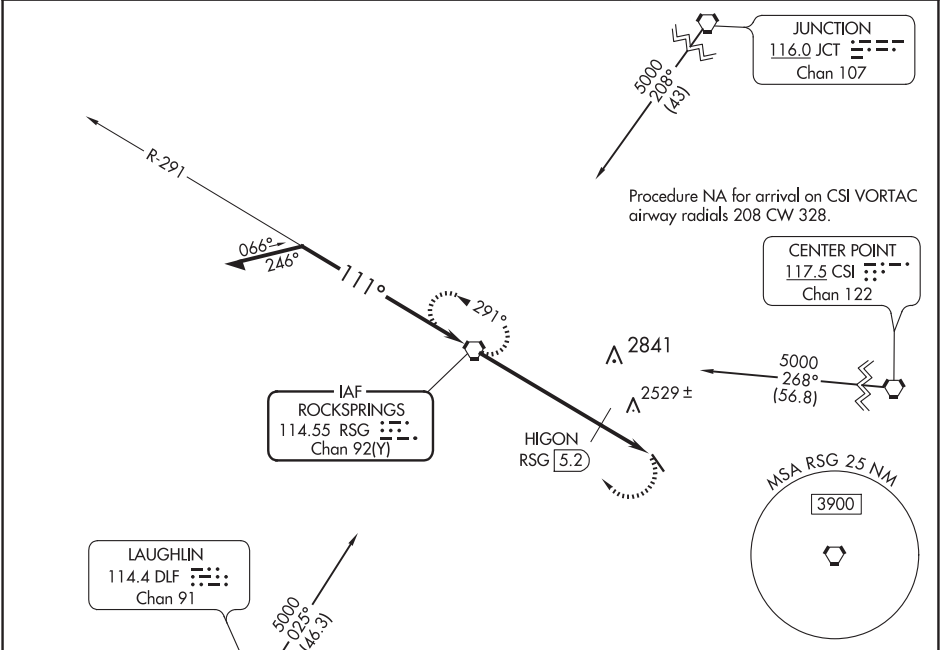
VORTAC RSG	APP CRS	Rwy Idg	3772
114.55	111°	TDZE	2372
Chan 92(Y)		Apt Elev	2372

VOR RWY 14
EDWARDS COUNTY (ECU)

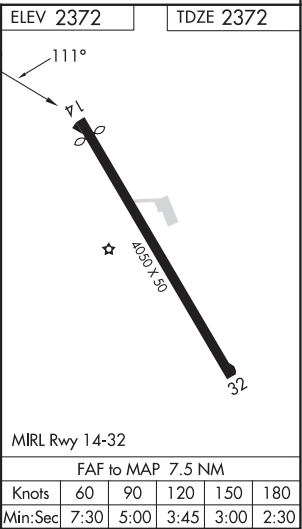
- ⚠ When local altimeter setting not received, use Kimble County altimeter setting and increase all MDAs 180 feet. Procedure NA at night.

⚠ Rwy 14 helicopter visibility reduction below 1 SM NA.
- MISSED APPROACH: Climbing right turn to 5000 direct RSG VORTAC and hold, continue climb-in-hold to 5000.

AWOS-3	DEL RIO APP CON *	CTAF
118.175	119.6 259.1	122.9



CATEGORY	A	B	C	D
S-14	2860-1	488 (500-1)	2860-1¼ 488 (500-1¼)	NA
CIRCLING	2860-1	488 (500-1)	2860-1½ 488 (500-1½)	NA
HIGON FIX MINIMUMS				
S-14	2780-1	408 (500-1)	2780-1¼ 408 (500-1¼)	NA
CIRCLING	2800-1 428 (500-1)	2840-1 468 (500-1)	2840-1½ 468 (500-1½)	NA



ROCKSPRINGS, TEXAS

Amdt 5D 10AUG23

EDWARDS COUNTY (ECU)

VOR RWY 14

29°57'N-100°10'W

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

ILS Y or LOC Y RWY 3
SAN ANGELO RGNL/MATHIS FLD (SJT)

MISSED APPROACH: Climb to 4000 then right turn direct SJT VORTAC and hold.

RVR 1800 authorized with use of FD or AP or HUD to DA.

Use I-JST DME when on the localizer course.

Remain within 10 NM

4000

SJT

4100

218°

038°

Cat E procedure turn NA.

GS 3.00°
TCH 51°

SJ LOM

I-SJT (6.9)

ERRNY I-SJT (3.1)

*I-SJT (2.1)

I-SJT (1.2)

3824

3900

*2620

3.8 NM

0.9 NM




1 NM

*LOC only

SC-3, 12 JUN 2025 to 07 AUG 2025

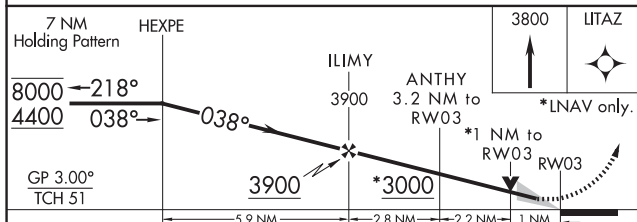
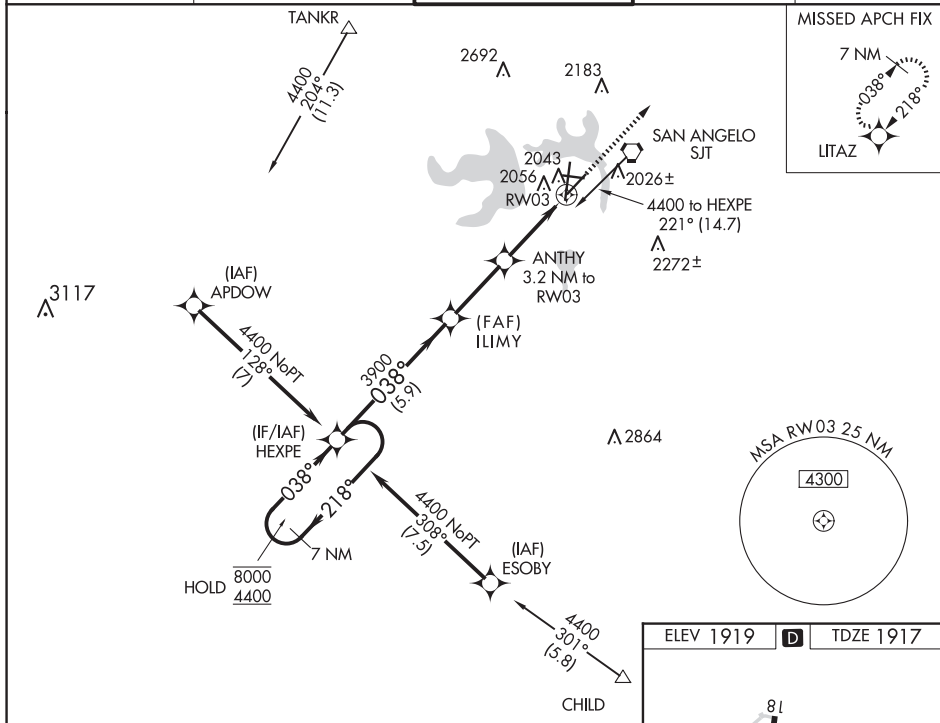
RNAV (GPS) RWY 3

SAN ANGELO RGNL/MATHIS FLD (SJT)

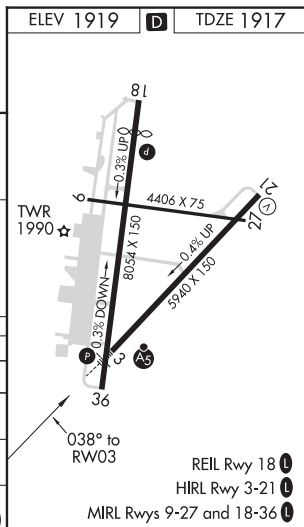
 For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -8°C or above 54°C.
 For inop ALS, increase LPV Cat E visibility to RVR 4000, and LNAV/VNAV Cat E and LNAV Cat E visibility to RVR 6000. Circling NA for Cat E west of Rwy 18-36.
 # RVR 1800 authorized with use of FD or AP or HUD to DA.



MISSED APPROACH:
Climb to 3800 direct
LITAZ and hold.

UNICOM
122.95

CATEGORY	A	B	C	D	E
LPV DA #	2117/24		200 (200-½)		
LNAV/ VNAV DA	2323/35		406 (500-⅝)		
LNAV MDA	2300/24	383 (400-½)	2300/35 383 (400-⅝)		
CIRCLING	2360-1 441 (500-1)	2380-1 461 (500-1)	2500-1½ 581 (600-1½)	2700-2½ 781 (800-2½)	2700-2¾ 781 (800-2¾)



SAN ANGELO RGNL/MATHIS FLD (SJT)

RNAV (GPS) RWY 3

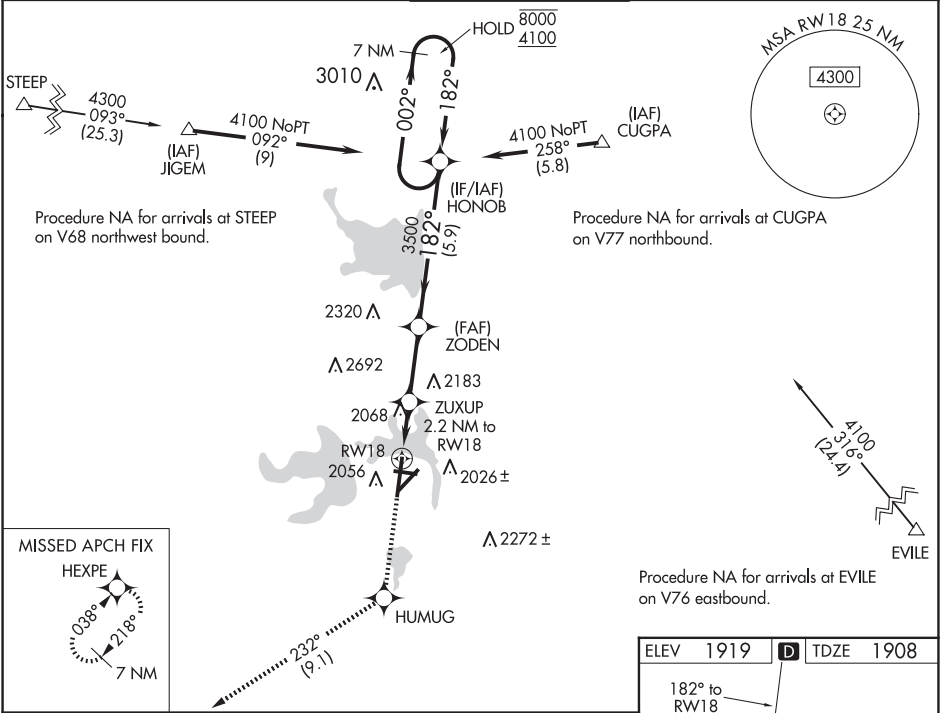
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 93801 W18A	APP CRS 182°	Rwy Idg TDZE Apt Elev	7152 1908 1919
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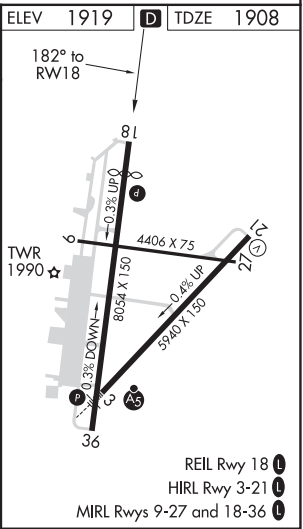
RNAV (GPS) RWY 18
SAN ANGELO RGNL/MATHIS FLD (SJT)

RNP APCH - GPS.	MISSED APPROACH: Climb to 4400 direct HUMUG and on track 232° to HEXPE and hold.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -8°C or above 54°C. Circling NA for Cat E west of Rwy 18-36.	

ATIS 128.45 319.0	SAN ANGELO APP CON ★ 125.35 354.1	MATHIS TOWER ★ 118.3(CTAF) 284.7	GND CON 121.9 348.6	UNICOM 122.95
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4400	HUMUG	tr 232°	HEXPE	HONOB	7 NM Holding Pattern
*LNAV only	ZUXUP 2.2 NM to RW18	ZODEN	3500	182°	8000 4100
	*1.2 NM to RW18		*2640	3500	GP 3.00° TCH 45
	1.2 NM	1 NM	2.7 NM	5.9 NM	
CATEGORY	A	B	C	D	E
LPV DA		2158-3/4	250 (300-3/4)		
LNAV/VNAV DA		2246-1	338 (400-1)		
LNAV MDA	2340-1	432 (500-1)	2340-1 1/8	432 (500-1 1/8)	
CIRCLING	2360-1 441 (500-1)	2380-1 461 (500-1)	2500-1 1/2 581 (600-1 1/2)	2700-2 1/2 781 (800-2 1/2)	2700-2 3/4 781 (800-2 3/4)



SAN ANGELO, TEXAS

AL-367 (FAA)

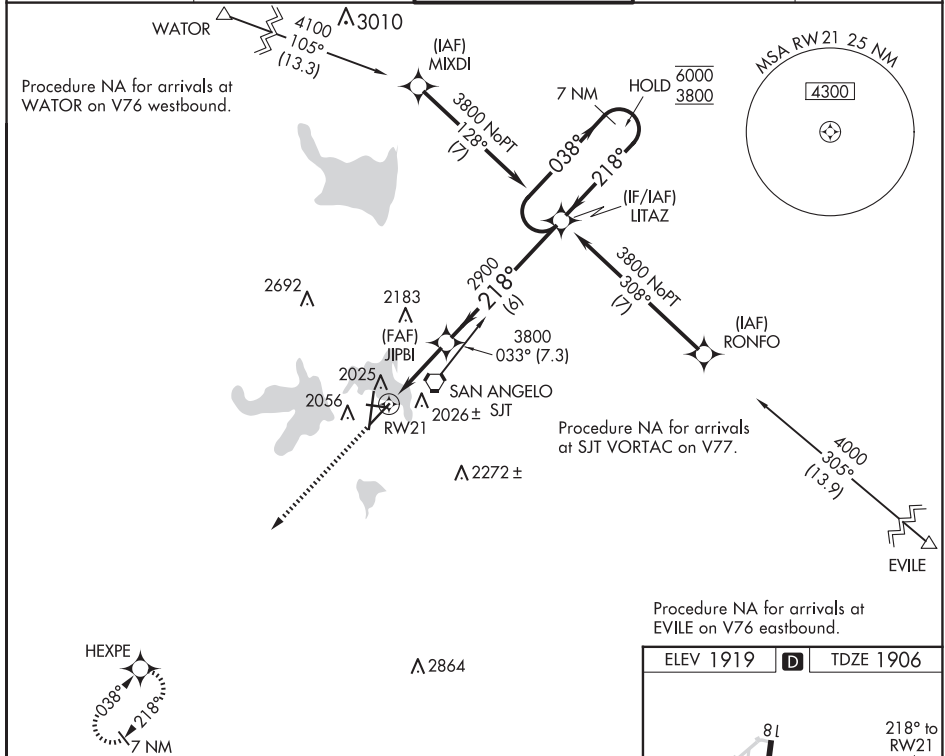
21336

WAAS CH 81817 W21A	APP CRS 218°	Rwy Idg TDZE 1906 Apt Elev 1919
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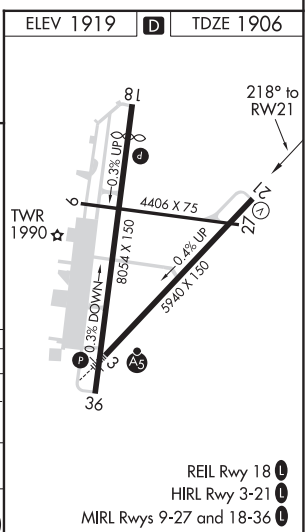
RNAV (GPS) RWY 21

SAN ANGELO RGNL/MATHIS FLD (SJT)

RNP APCH - GPS. ⚠ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -8°C or above 54°C. Circling NA for Cat E west of Rwy 18-36. ASR		MISSED APPROACH: Climb to 4400 direct HEXPE and hold.		
ATIS 128.45 319.0	SAN ANGELO APP CON ★ 125.35 354.1	MATHIS TOWER ★ 118.3 (CTAF) 0 284.7	GND CON 121.9 348.6	UNICOM 122.95



4400 ↑ HEXPE		JIPBI 2900		LITAZ 7 NM Holding Pattern	
RW21 1.2 NM to RW21		2900		6000 3800	
1.2 NM		1.8 NM		6 NM	
CATEGORY	A	B	C	D	E
LPV DA	2106-1		200 (200-1)		
LNAV/VNAV DA	2250-1		344 (400-1)		
LNAV MDA	2340-1	434 (500-1)	2340-1¼ 434 (500-1¼)		
CIRCLING	2360-1	2380-1	2500-1½	2700-2½	2700-2¾
	441 (500-1)	461 (500-1)	581 (600-1½)	781 (800-2½)	781 (800-2¾)



SAN ANGELO, TEXAS
Amdt 2A 02DEC21

31°21'N-100°30'W

SAN ANGELO RGNL/MATHIS FLD (SJT)
RNAV (GPS) RWY 21

SC-3, 12 JUN 2025 to 07 AUG 2025

SAN ANGELO, TEXAS

AL-367 (FAA)

24361

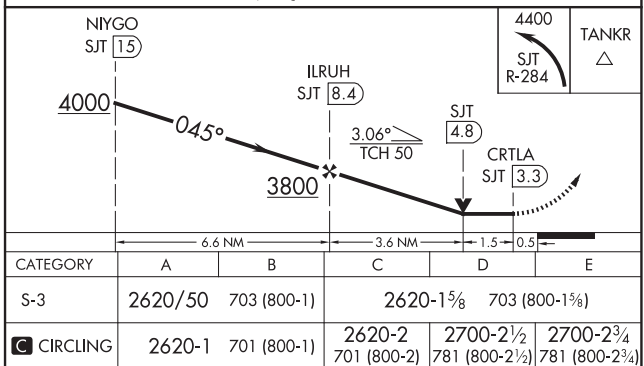
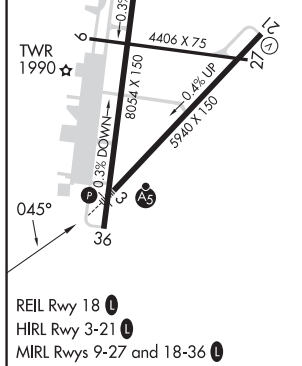
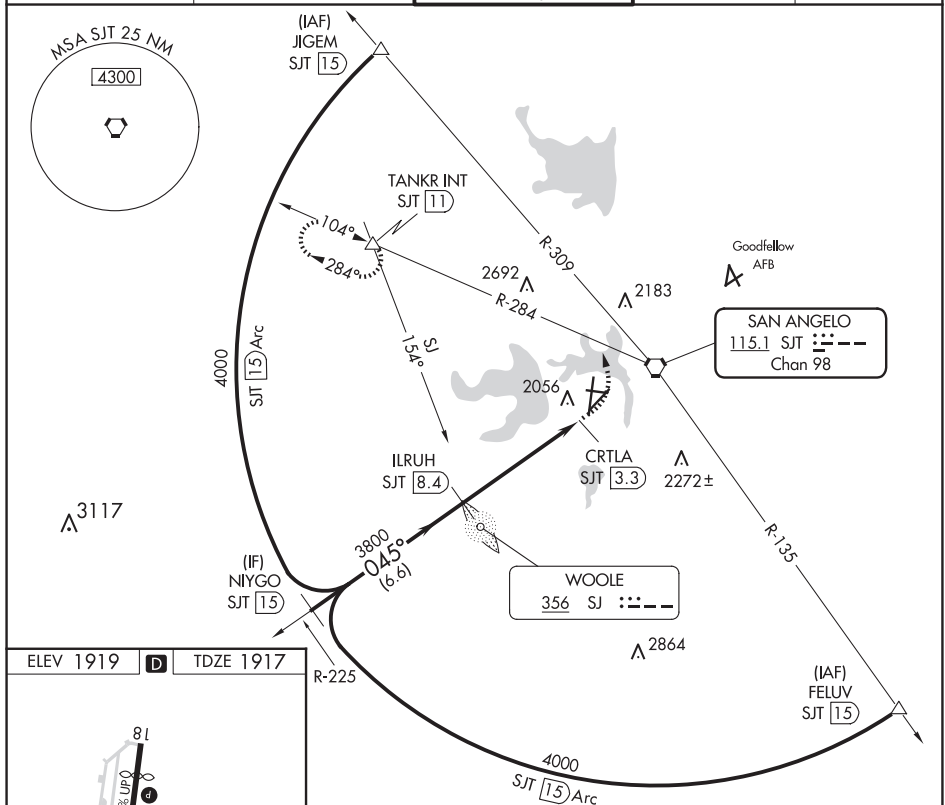
VORTAC SJT 115.1 Chan 98	APP CRS 045°	Rwy Idg 5940 TDZE 1917 Apt Elev 1919
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VOR Y or TACAN Y RWY 3

SAN ANGELO RGNL/MATHIS FLD (SJT)

DME required. Inop table does not apply to Cat A and B. Circling NA for Cat E west of Rwy 18-36. For inop ALS, increase Cat C-E visibility to 2 SM.	MALSR 	MISSED APPROACH: Climbing left turn to 4400 on SJT VORTAC R-284 to TANKR INT/11 DME and hold, continue climb-in-hold to 4400.
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ATIS 128.45 319.0	SAN ANGELO APP CON ★ 125.35 354.1	MATHIS TOWER ★ 118.3 (CTAF) 284.7	GND CON 121.9 348.6	UNICOM 122.95
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SAN ANGELO, TEXAS
Amdt 1 26DEC24

31°21'N-100°30'W

SAN ANGELO RGNL/MATHIS FLD (SJT)

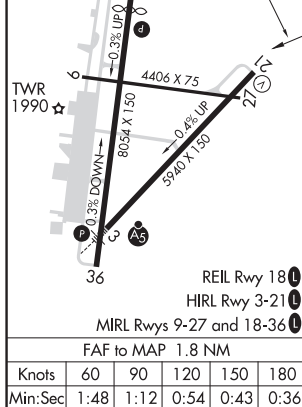
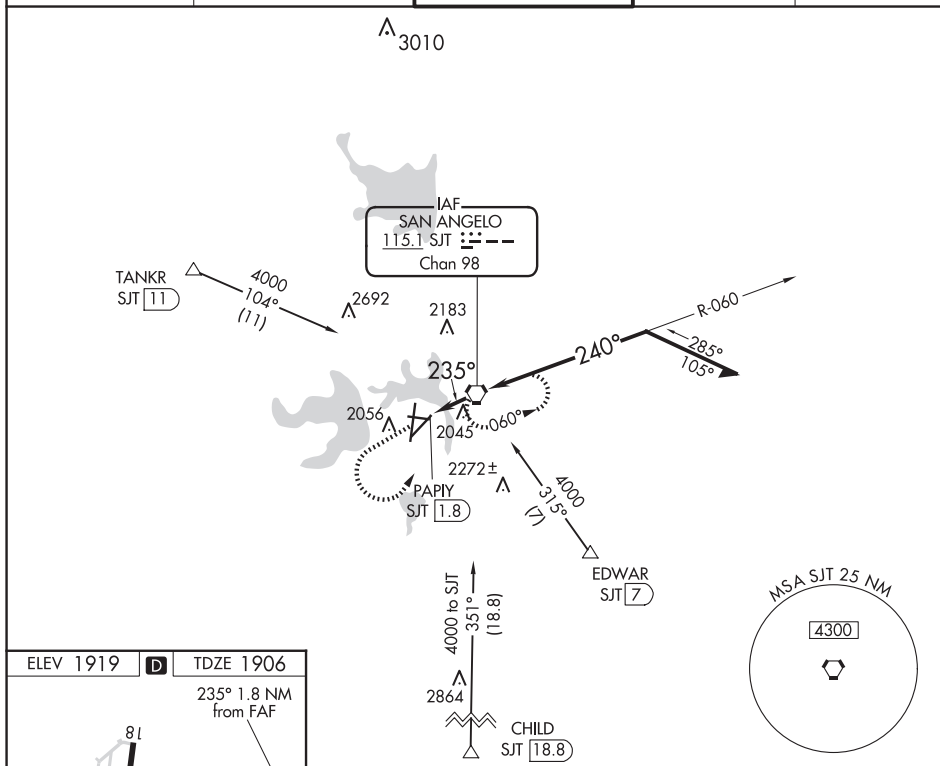
VOR Y or TACAN Y RWY 3

SC-3, 12 JUN 2025 to 07 AUG 2025

VOR Y RWY 21
SAN ANGELO RGNL/MATHIS FLD (SJT)

MISSED APPROACH: Climb to 4000, then left turn direct SJT VORTAC and hold.

ATIS 128.45 319.0	SAN ANGELO APP CON ★ 125.35 354.1	MATHIS TOWER ★ 118.3(CTAF) 284.7	GND CON 121.9 348.6	UNICOM 122.95
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4000
↑
SJT
VGS I and descent angles not coincident
(VGS I Angle 3.00 /TCH 52).
SJT
VORTAC
Remain within 10 NM
060°
3800
240°
2600
PAPI
SJT
1.8
SJT
0.7
3.34°
TCH 59
235°
1.1 NM
0.7 NM

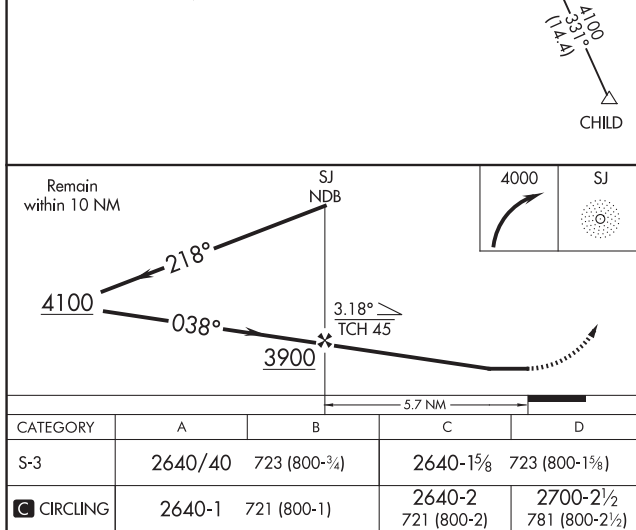
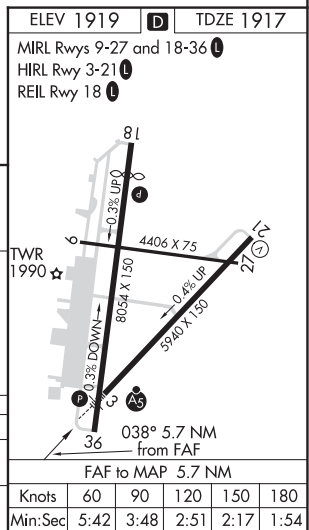
CATEGORY	A	B	C	D
S-21	2300-1	394 (400-1)	2300-1½	394 (400-1½)
C CIRCLING	2360-1 441 (500-1)	2380-1 461 (500-1)	2500-1½ 581 (600-1½)	2580-2 661 (700-2)

SAN ANGELO RGNL/MATHIS FLD (SJT)
VOR Y RWY 21

NDB RWY 3

SAN ANGELO RGNL/MATHIS FLD (SJT)

ATIS 128.45 319.0	SAN ANGELO APP CON ★ 125.35 354.1	MATHIS TOWER ★ 118.3(CTAF) 284.7	GND CON 121.9 348.6	UNICOM 122.95
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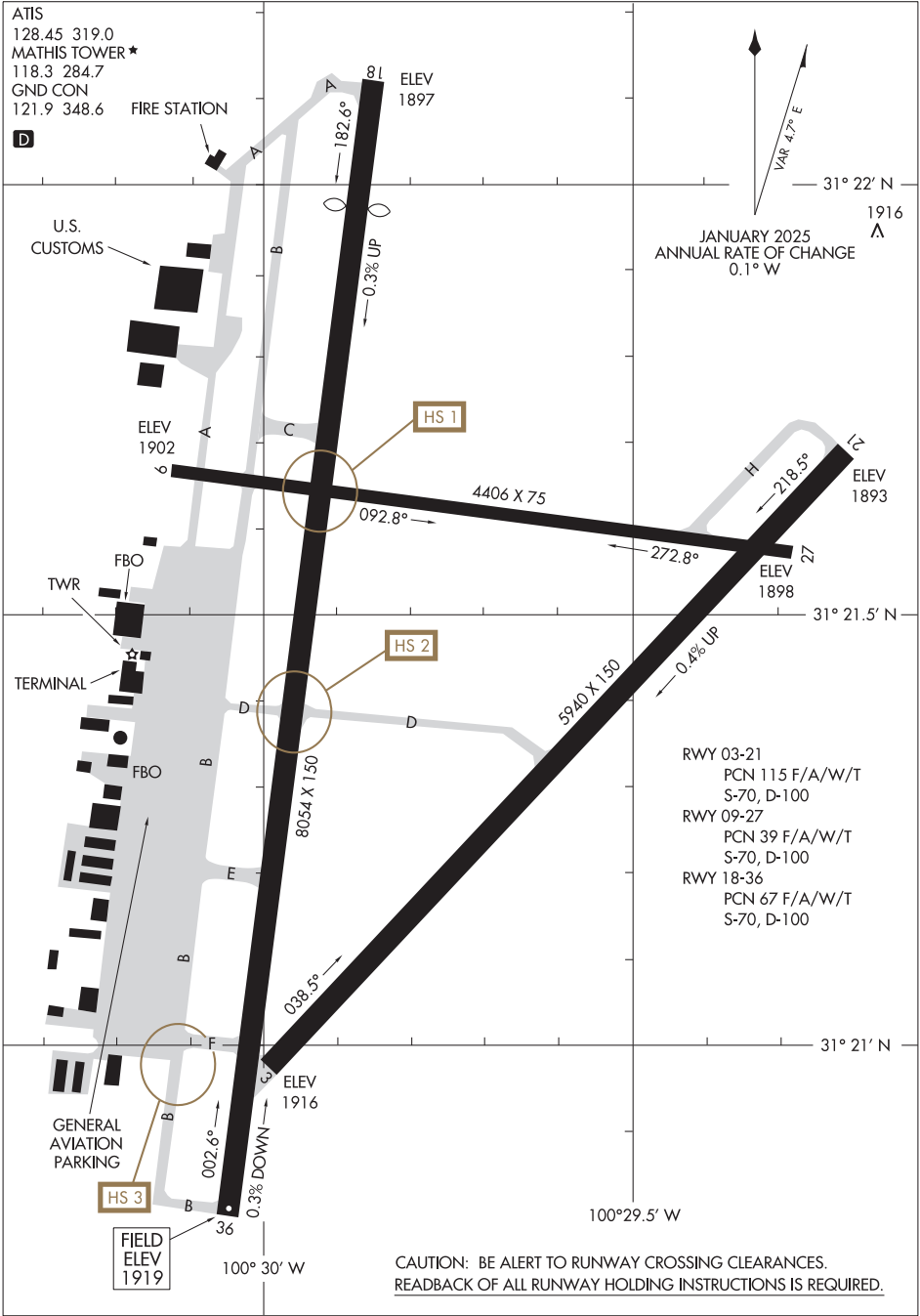


SAN ANGELO RGNL/MATHIS FLD (SJT)

NDB RWY 3

31°21'N-100°30'W

SC-3, 12 JUN 2025 to 07 AUG 2025

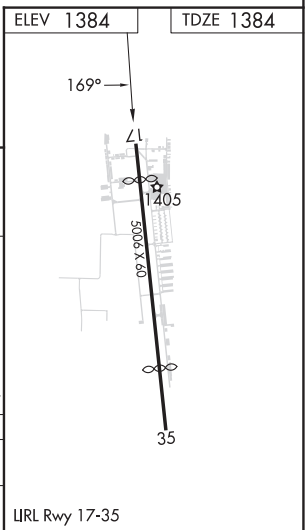
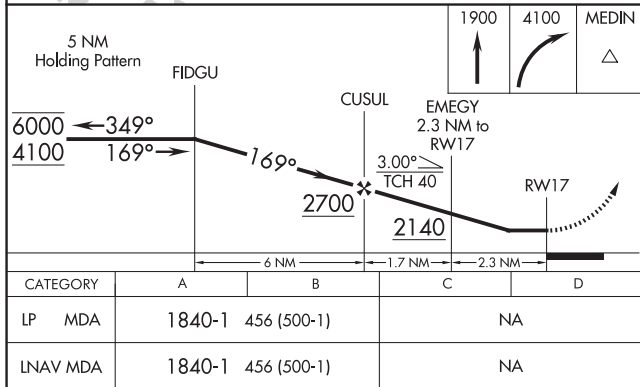
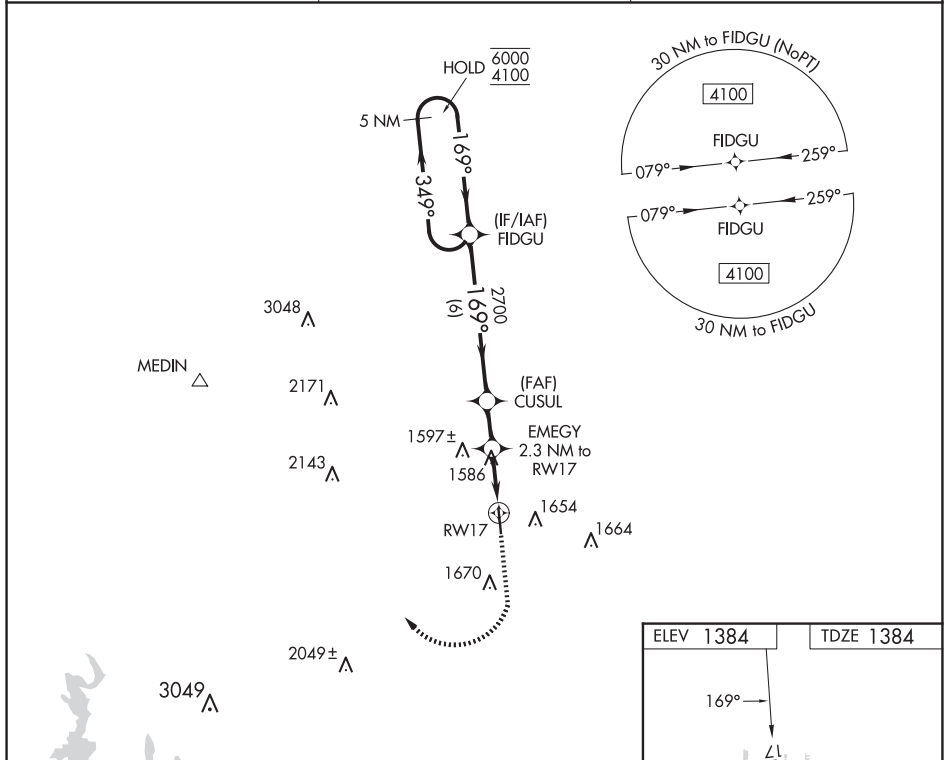


WAAS CH 50528 W17A	APP CRS 169°	Rwy Idg TDZE 1384 Apt Elev 1384	4377
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RNAV (GPS) RWY 17

BOERNE STAGE AIRFIELD (5C1)

RNP APCH-GPS. <div><div>▼</div><div>▲</div></div> <div>Rwy 17 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use KSAT altimeter setting and increase all MDAs 120 feet.</div>		MISSED APPROACH: Climb to 1900 then climbing right turn to 4100 direct MEDIN.
AWOS-3 118.725	SAN ANTONIO APP CON 125.1 307.0	UNICOM 123.0 (CTAF)



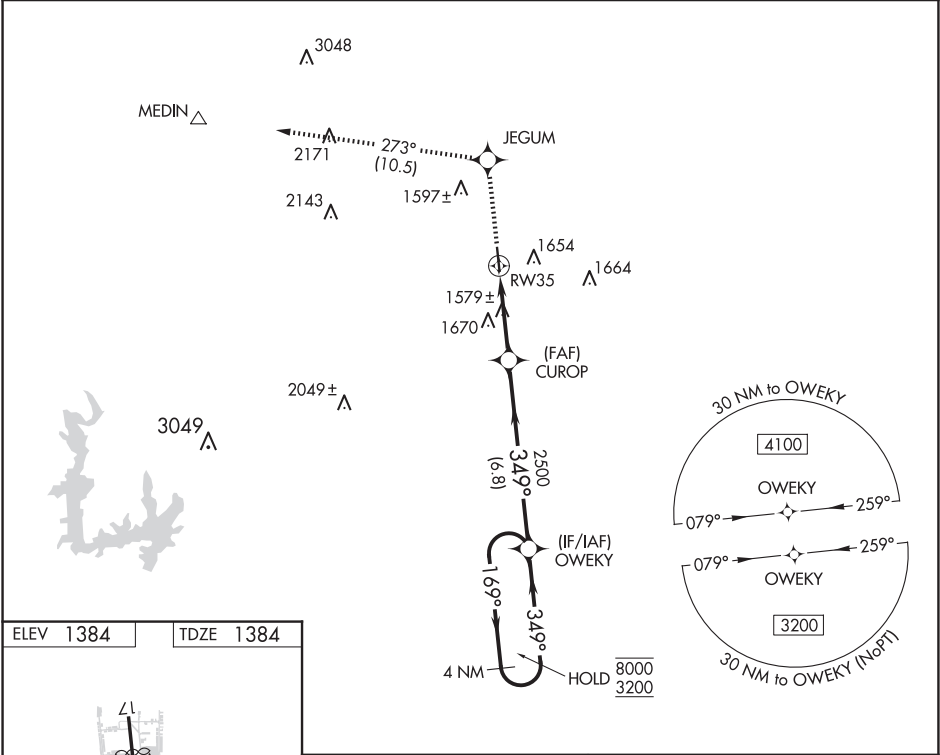
WAAS CH 69428 W35A	APP CRS 349°	Rwy Idg TDZE Apt Elev	3920 1384 1384
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RNAV (GPS) RWY 35

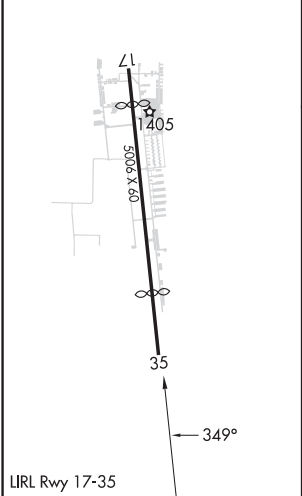
BOERNE STAGE AIRFIELD (5C1)

RNP APCH-GPS.	MISSED APPROACH: Climb to 4100 direct JEGUM and on track 273° to MEDIN.
<div><div>▼</div><div>⚠</div></div> Rwy 35 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use San Antonio Intl altimeter setting and increase all MDAs 120 feet.	

AWOS-3 118.725	SAN ANTONIO APP CON 125.1 307.0	UNICOM 123.0 (CTAF)
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ELEV 1384	TDZE 1384
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4100	JEGUM	MEDIN		
↑	✦	tr 273°	△	
4 NM Holding Pattern				
OWEKY				
CUROP				
RW35				
3.00° TCH 40				
2500				
349°				
169° 8000				
← 349° 3200				
3.4 NM 6.8 NM				
CATEGORY	A	B	C	D
LP MDA	1840-1	456 (500-1)	NA	
LNAV MDA	1920-1	536 (600-1)	NA	

SC-3, 12 JUN 2025 to 07 AUG 2025

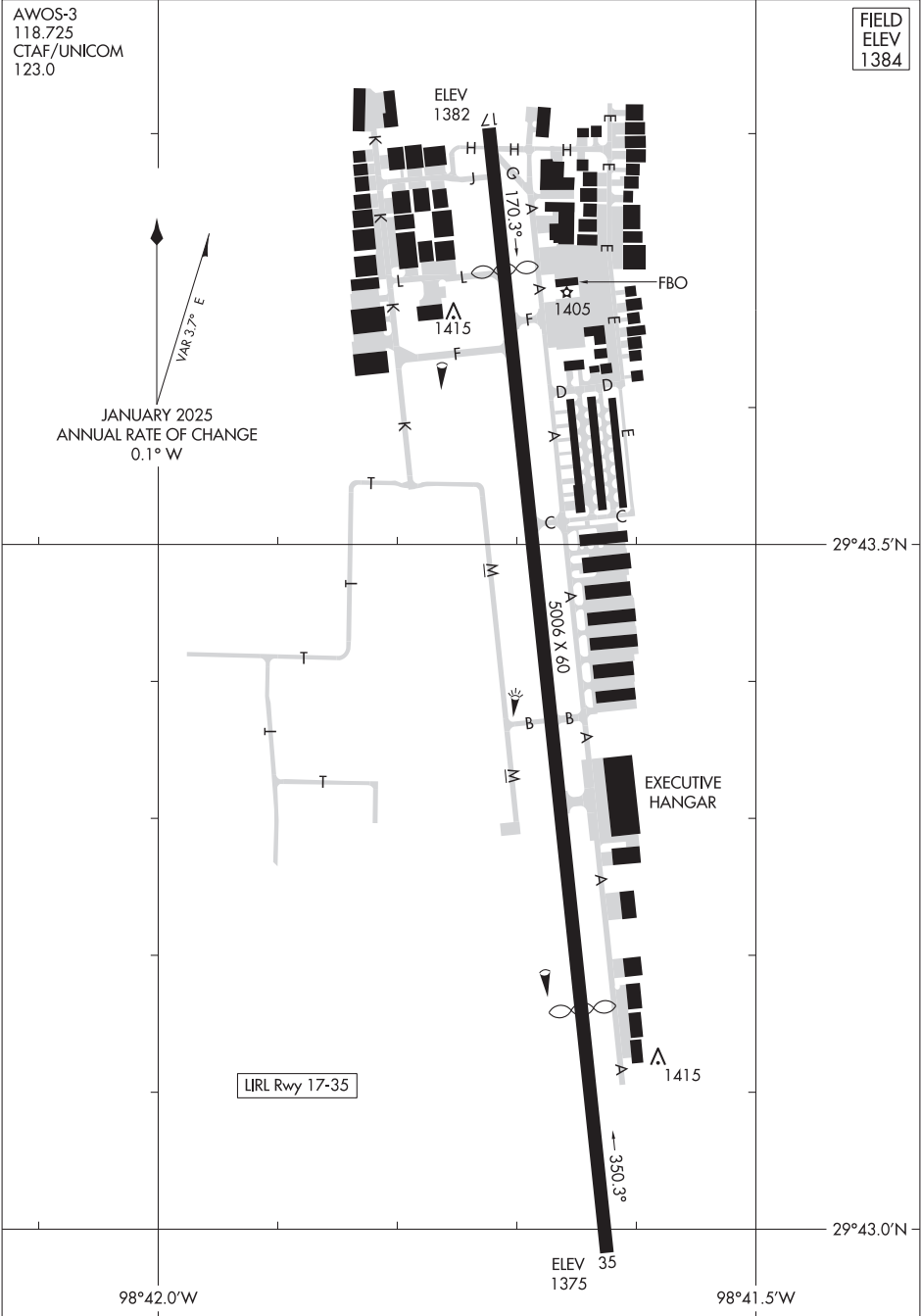
SC-3, 12 JUN 2025 to 07 AUG 2025

AWOS-3
118.725
CTAF/UNICOM
123.0

FIELD
ELEV
1384

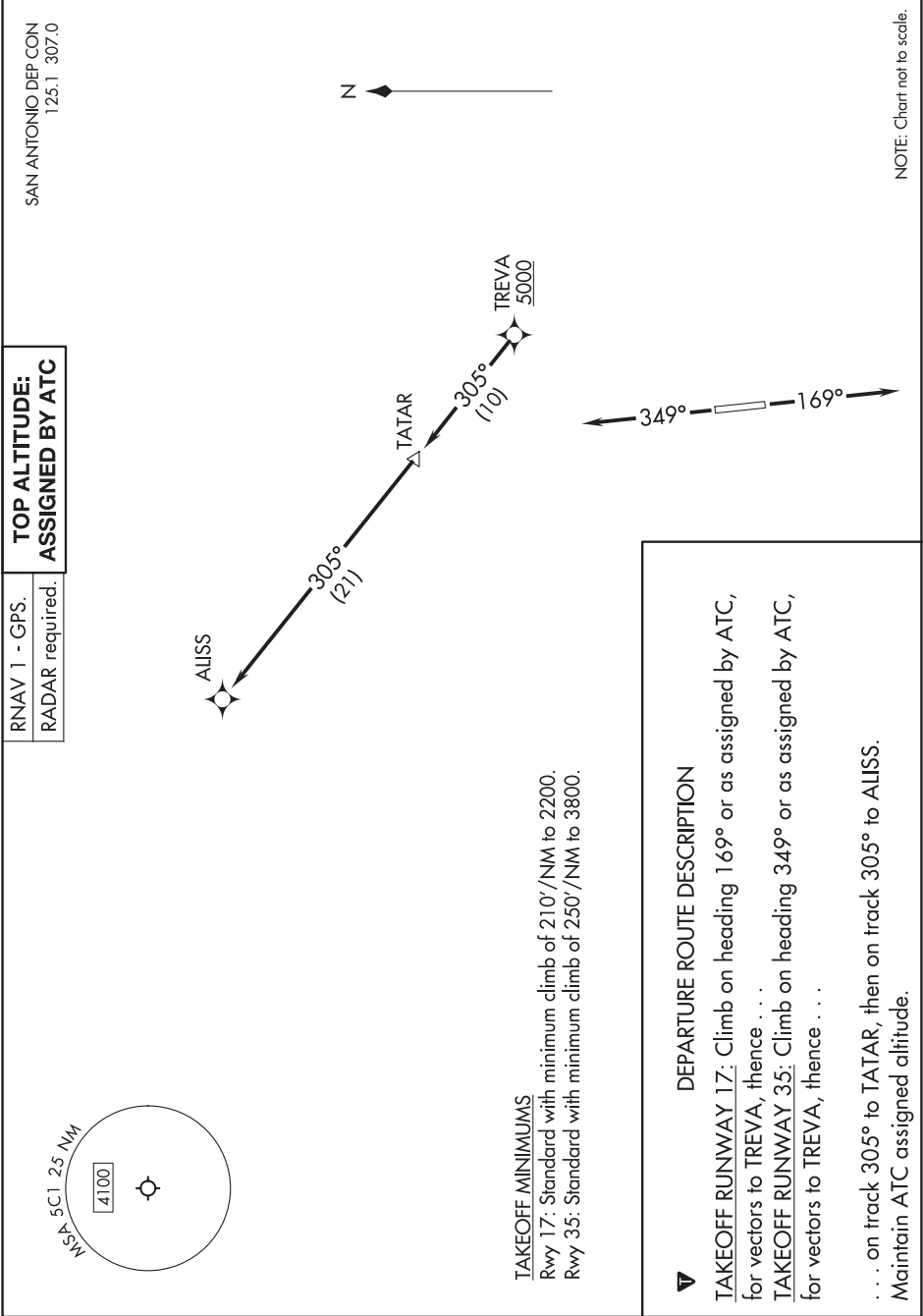
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



ALISS SIX DEPARTURE (RNAV)

SC-3, 12 JUN 2025 to 07 AUG 2025



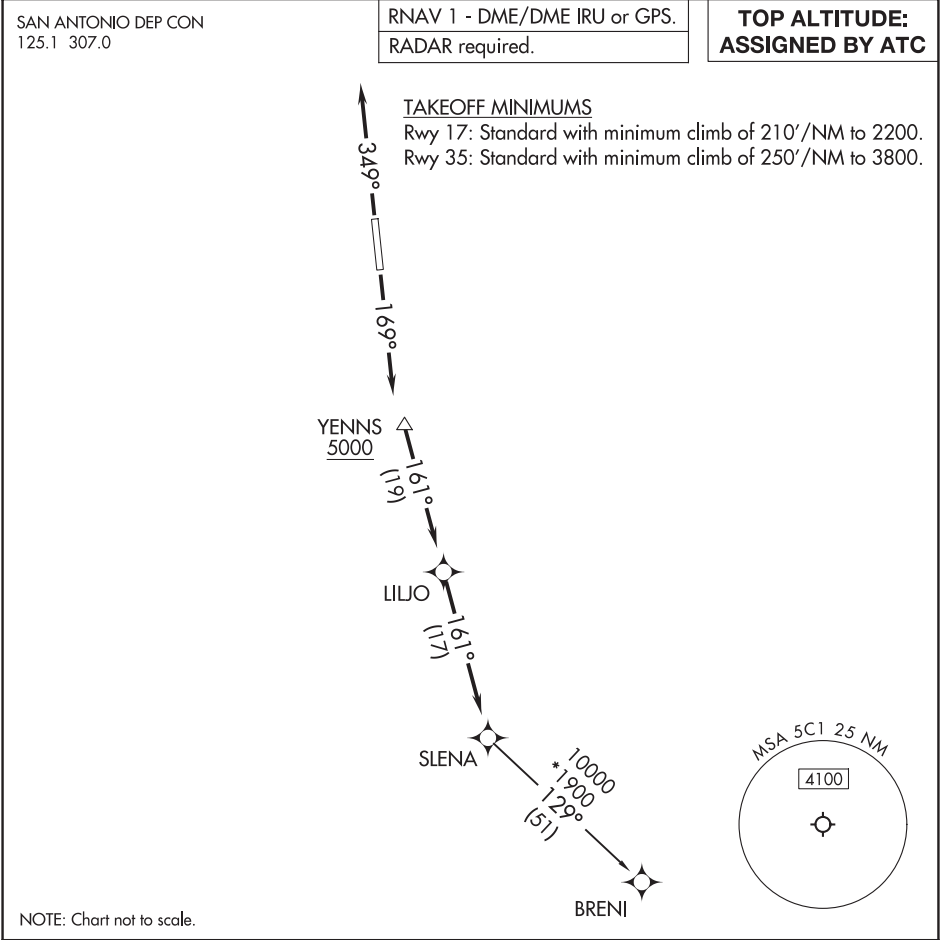
ALISS SIX DEPARTURE (RNAV)

(SLENA1.SLENA) 24025

AL-10309 (FAA)

BOERNE STAGE AIRFIELD (5C1)
SAN ANTONIO, TEXAS

SLENA ONE DEPARTURE (RNAV)



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 169° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAY 35: Climb on heading 349° or as assigned by ATC, for vectors to YENNS, thence

. . . . on track 161° to LILJO, then on track 161° to SLENA, then on transition.
Maintain ATC assigned altitude.

BRENI TRANSITION (SLENA1.BRENI)

SLENA ONE DEPARTURE (RNAV)
(SLENA1.SLENA) 25JAN24

SAN ANTONIO, TEXAS
BOERNE STAGE AIRFIELD (5C1)

SAN ANTONIO DEP CON
125.1 307.0



RNAV 1 - DME/DME IRU or GPS.
RADAR required.

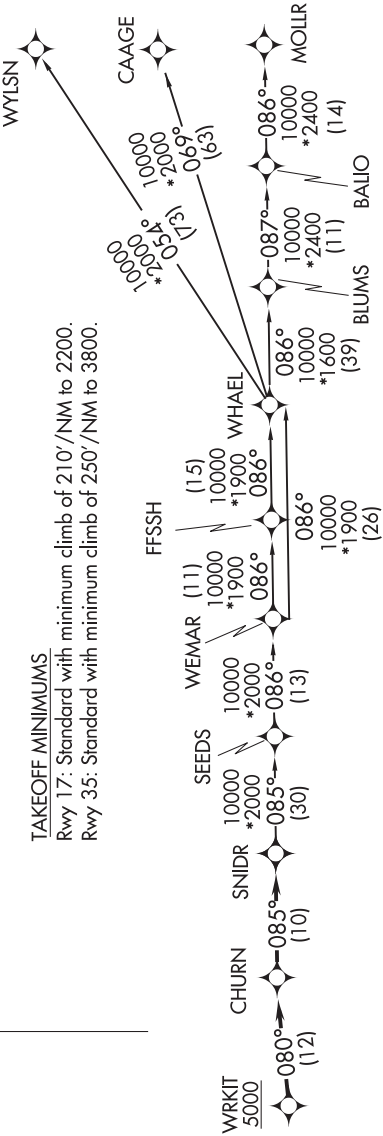
(SNIDR1.SNIDR) 24025
SNIDR ONE DEPARTURE (RNAV) AL-10309 (FAA)

BOERNE STAGE AIRFIELD (5C1)
SAN ANTONIO, TEXAS



TAKEOFF MINIMUMS

Rwy 17: Standard with minimum climb of 210'/NM to 2200.
Rwy 35: Standard with minimum climb of 250'/NM to 3800.



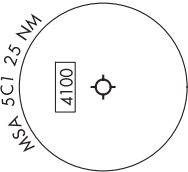
TOP ALTITUDE:
ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 169° or as assigned by ATC, for vectors to WRKIT, thence
TAKEOFF RUNWAY 35: Climb on heading 349° or as assigned by ATC, for vectors to WRKIT, thence

. . . . on track 080° to CHURN, then on track 085° to SNIDR, then on transition. Maintain ATC assigned altitude.

- BLUMS TRANSITION (SNIDR1.BLUMS)
- CAAGE TRANSITION (SNIDR1.CAAGE)
- FFSSH TRANSITION (SNIDR1.FFSSH)
- MOLLR TRANSITION (SNIDR1.MOLLR)
- SEEDS TRANSITION (SNIDR1.SEEDS)
- WEMAR TRANSITION (SNIDR1.WEMAR)
- WHAEL TRANSITION (SNIDR1.WHAEL)
- WYLSN TRANSITION (SNIDR1.WYLSN)



Note: Chart not to scale.

SNIDR ONE DEPARTURE (RNAV)
(SNIDR1.SNIDR) 25JAN24

SAN ANTONIO, TEXAS
BOERNE STAGE AIRFIELD (5C1)

(TJANO1.TJANO) 24025

AL-10309 (FAA)

BOERNE STAGE AIRFIELD (5C1)
SAN ANTONIO, TEXAS

TJANO ONE DEPARTURE (RNAV)

SAN ANTONIO DEP CON
125.1 307.0

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC

NOTE: For non-GPS equipped aircraft,
THX and SAT DME must be operational.



TJANO



TEEPY



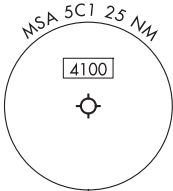
ZANNI

KAHAN

TAKEOFF MINIMUMS

Rwy 17: Standard with minimum climb of
210'/NM to 2200.

Rwy 35: Standard with minimum climb of
250'/NM to 3800.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 169° or as
assigned by ATC, for vectors to LVACA, thence

TAKEOFF RUNWAY 35: Climb on heading 349° or as
assigned by ATC, for vectors to LVACA, thence

. . . . on track 205° to TJANO, then on Transition.
Maintain ATC assigned altitude.

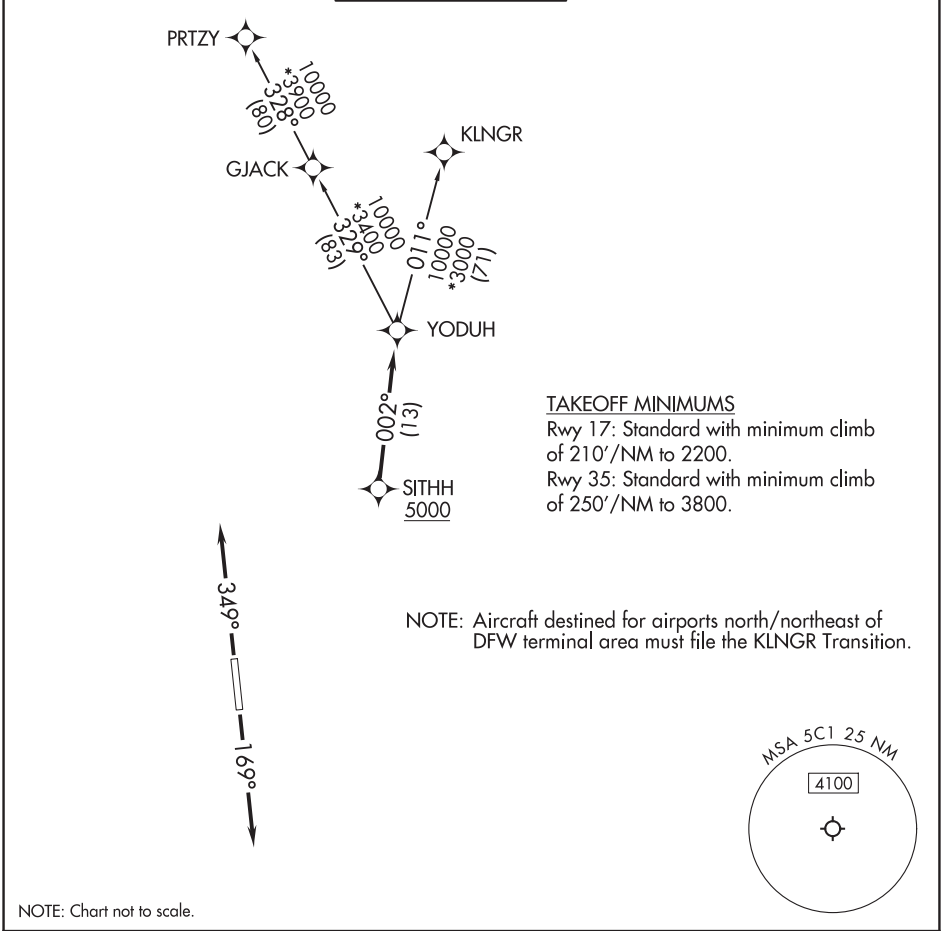
KAHAN TRANSITION (TJANO1.KAHAN)
ZANNI TRANSITION (TJANO1.ZANNI)

Note: Chart not to scale.

TJANO ONE DEPARTURE (RNAV)
(TJANO1.TJANO) 25JAN24

SAN ANTONIO, TEXAS
BOERNE STAGE AIRFIELD (5C1)

RNAV 1 - DME/DME IRU or GPS.	TOP ALTITUDE:
RADAR required.	ASSIGNED BY ATC



▼	DEPARTURE ROUTE DESCRIPTION
<u>TAKEOFF RUNWAY 17:</u> Climb on heading 169° or as assigned by ATC, for vectors to SITHH, thence . . .	
<u>TAKEOFF RUNWAY 35:</u> Climb on heading 349° or as assigned by ATC, for vectors to SITHH, thence . . .	
. . . on track 002° to YODUH, then on Transition. Maintain ATC assigned altitude.	
<u>KLNGR TRANSITION (YODUH1.KLNGR)</u>	
<u>PRTZY TRANSITION (YODUH1.PRTZY)</u>	

SAN ANTONIO, TEXAS

AL-369 (FAA)

25163

LOC/DME I-SAT 109.7 Chan 34	APP CRS 037°	Rwy Ldg TDZE 786 Apt Elev 809
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ILS or LOC RWY 4

SAN ANTONIO INTL (SAT)

RNP APCH-GPS. From TRAGO or PICLO or FRIZA.

Aircraft not GPS equipped - RADAR required for procedure entry.

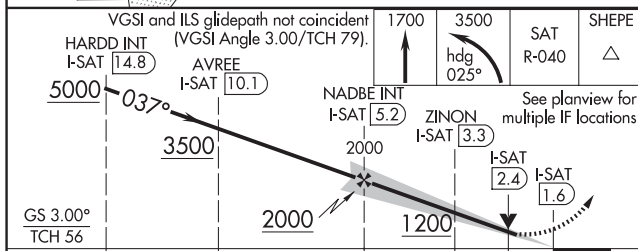
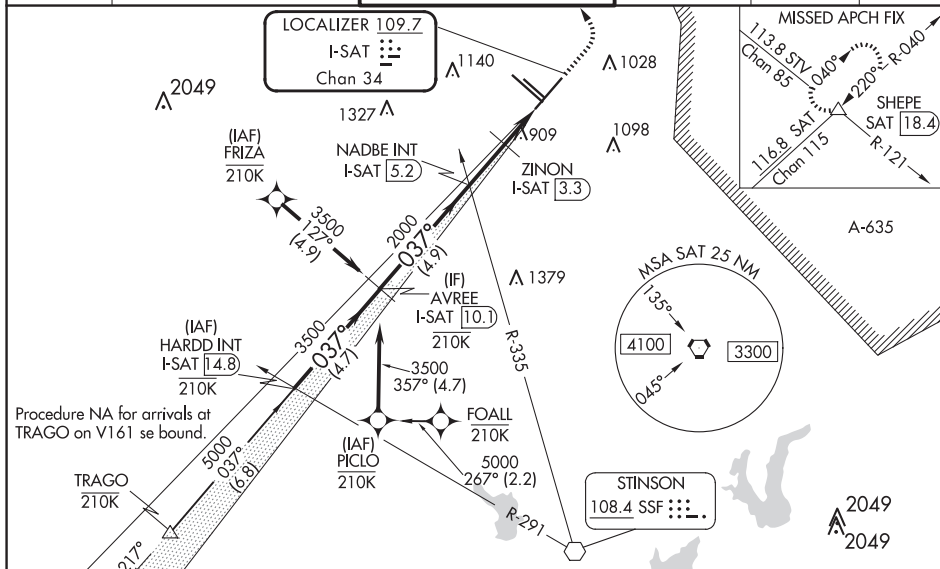
NA Circling NA northwest of Rws 4 and 13R. Autopilot coupled approach NA below 1189. Inop table does not apply to S-ILS 4. For inop ALS, increase S-LOC 4 Cat C/D visibility to RVR 6000.

MALS

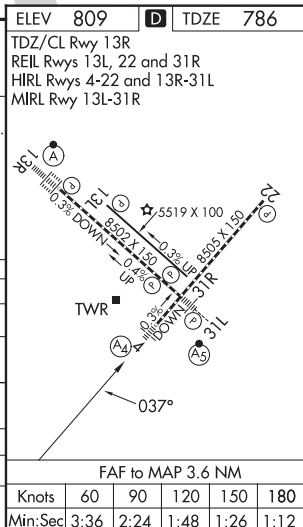


MISSED APPROACH: Climb to 1700 then climbing left turn to 3500 on heading 025° and on SAT VORTAC R-040 to SHEPE INT/SAT 18.4 DME and hold.

D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC
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CATEGORY	A	B	C	D
S-ILS 4	986/40	200 (200-¾)		
S-LOC 4	1200/40	414 (400-¾)	1200/50	414 (400-1)
CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)
ZINON FIX MINIMUMS (DME REQUIRED)				
S-LOC 4	1120/40	334 (400-¾)		
CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)



SAN ANTONIO, TEXAS

Amdt 23 25JAN24

29°32'N-98°28'W

SAN ANTONIO INTL (SAT)



ILS or LOC RWY 4

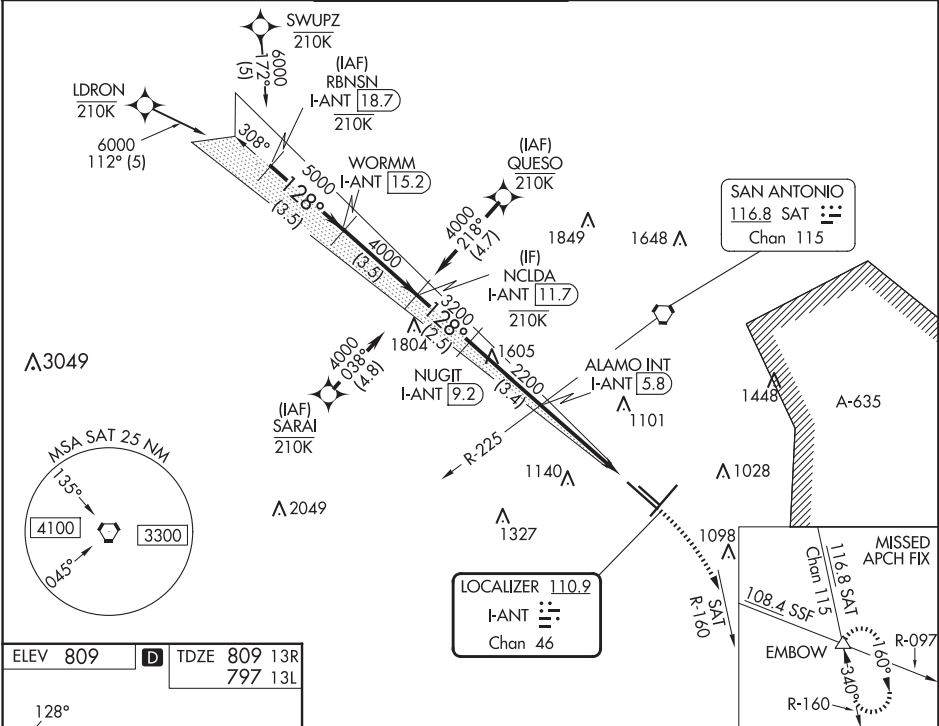
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

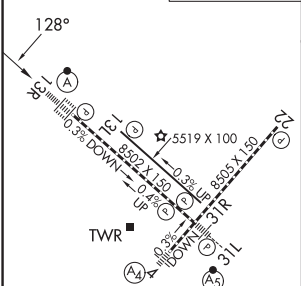
LOC/DME I-ANT 110.9 Chan 46	APP CRS 128°	Rwy 13R Ldg TDZE Apt Elev	8502 809 809	Rwy 13L Ldg TDZE Apt Elev	5519 797 809
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ILS or LOC RWY 13R
SAN ANTONIO INTL (SAT)

RNP APCH-GPS. From LDRON, SWUPZ, SARAI, QUESO.			ALSIF-2 	MISSED APPROACH: Climb to 3100 on heading 128° and SAT VORTAC R-160 to EMBOW INT and hold.		
RNAV 1-GPS or RADAR required for procedure entry. DME required.						
Circling NA northwest of Rwy 4 and 13R.						
 D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC	



ELEV 809	TDZE 809 13R
D	797 13L



TDZ/CL Rwy 13R
REIL Rwy 13L, 22 and 31R
HIRL Rwy 4-22 and 13R-31L
MIRL Rwy 13L-31R

FAF to MAP 4.2 NM					
Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 75).				
NCLDA I-ANT 11.7	NUGIT I-ANT 9.2	ALAMO INT I-ANT 5.8	I-ANT 3.4	I-ANT 1.6
4000	3200	2200	2200	2200
GS 3.00° TCH 58				
2.5 NM 3.4 NM 2.4 NM 1.8 NM				
CATEGORY	A	B	C	D
S-ILS 13R	1009/18 200 (200-½)			
S-LOC 13R	1460/24	651 (700-½)	1460-1⅓	651 (700-1⅓)
SIDESTEP 13L	1480-1	683 (700-1)	1480-2 683 (700-2)	1480-2¼ 683 (700-2¼)
CIRCLING	1480-1	671 (700-1)	1480-2 671 (700-2)	1520-2¼ 711 (800-2¼)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

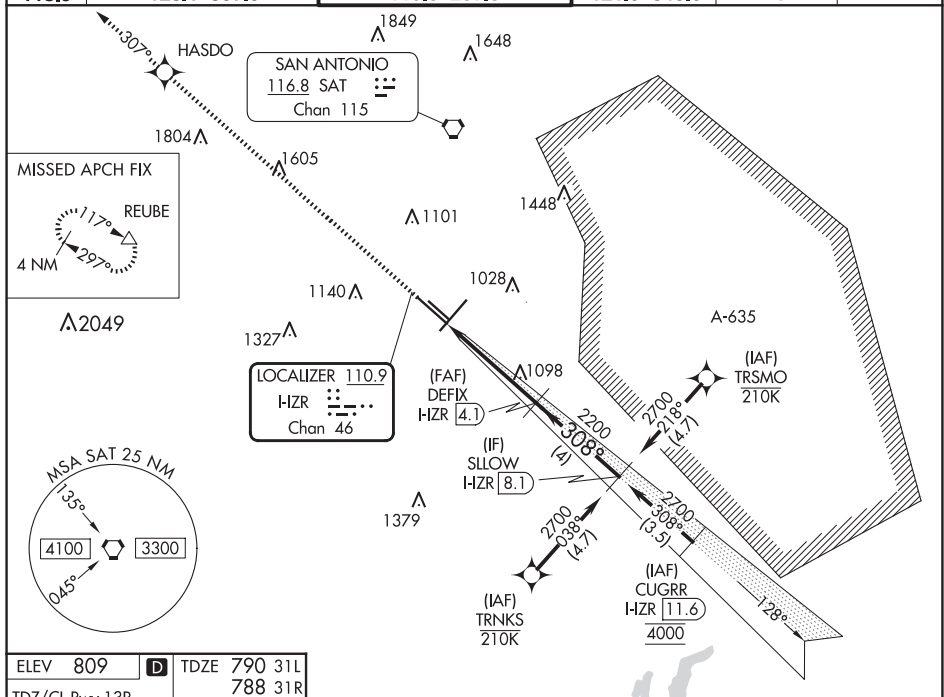
ILS or LOC RWY 31L
SAN ANTONIO INTL (SAT)

MALSR
A5

MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.

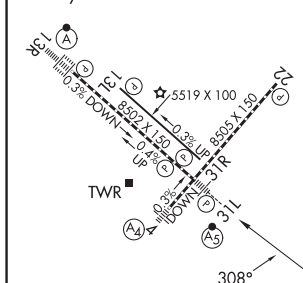
* RVR 1800 authorized with use of FD or AP or HUD to DA.

D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC
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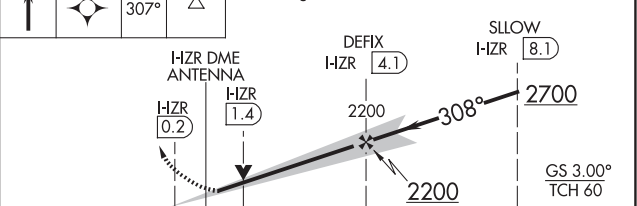



ELEV 809	D	TDZE 790 31L 788 31R
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TDZ/CL Rwy 13R
REIL Rwy 13L, 22 and 31R
HIRL Rwy 4-22 and 13R-31L
MIRL Rwy 13L-31R



4200	HASDO	tr	REUBE	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 82).
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		1.5 NM	2.8 NM	4 NM	
CATEGORY	A	B	C	D	
S-LS 31L *	990/24 200 (200-½)				
S-LOC 31L	1360/24 570 (600-½)		1360/60 570 (600-1¼)		
SIDESTEP 31R	1360-1 572 (600-1)		1360-1½ 572 (600-1½)	1360-2 572 (600-2)	
 CIRCLING	1360-1 551 (600-1)		1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)	

SAN ANTONIO INTL (SAT)
ILS or LOC RWY 31L

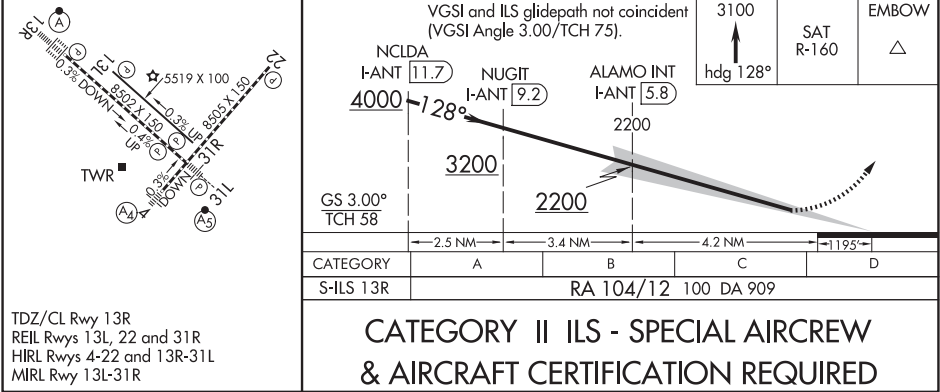
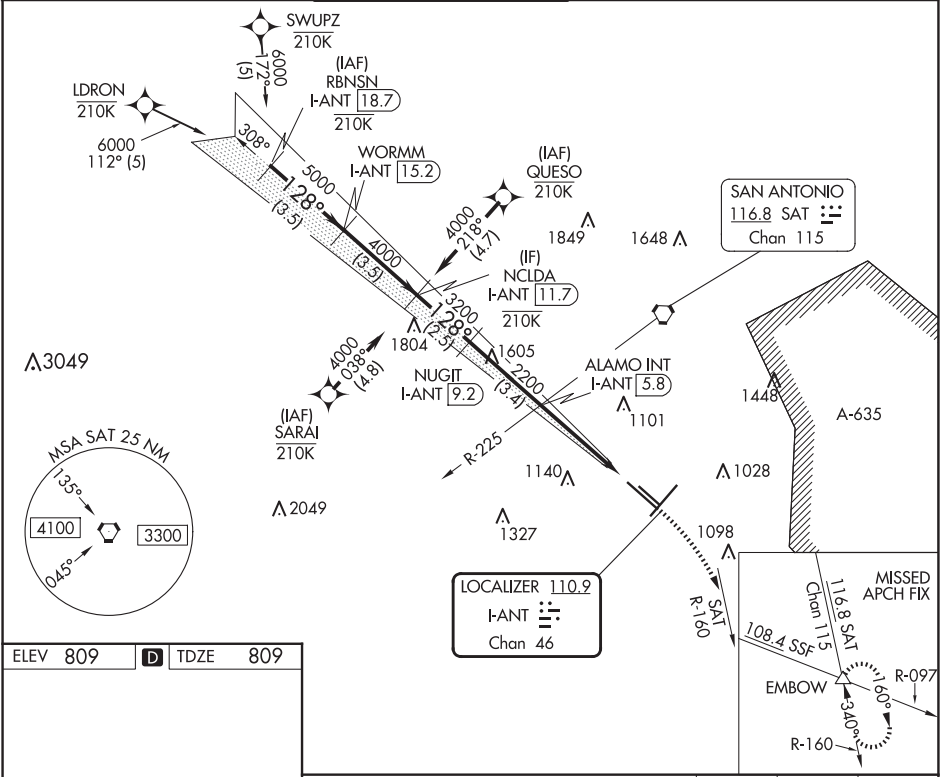
RNP APCH-GPS. From LDRON, SWUPZ, SARAI, QUESO.

RNAV 1-GPS or RADAR required for procedure entry. DME required.

ALSIF-2

MISSED APPROACH: Climb to 3100 on heading 128° and SAT VORTAC R-160 to EMBOW INT and hold.

D-ATIS	SAN ANTONIO APP CON	SAN ANTONIO TOWER	GND CON	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	



SAN ANTONIO, TEXAS

AL-369 (FAA)

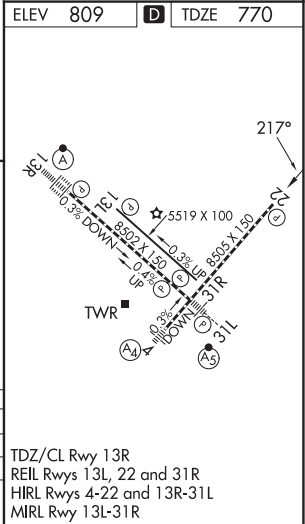
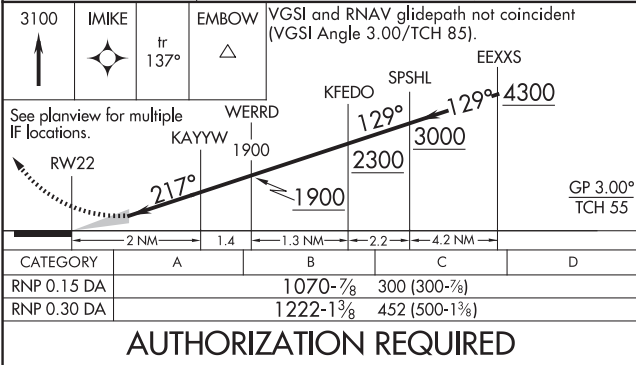
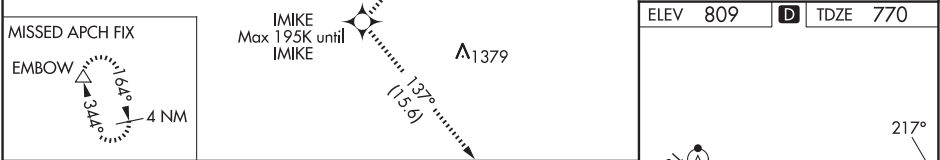
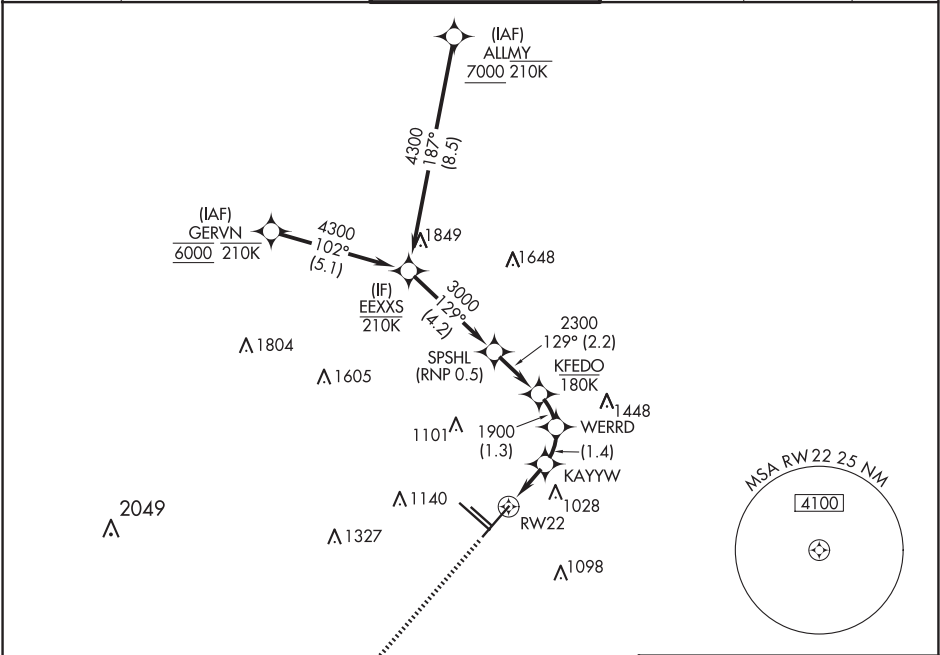
25163

APP CRS	Rwy Ldg	8505
217°	TDZE	770
	Apt Elev	809

RNAV (RNP) X RWY 22
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS.	MISSED APPROACH: (Do not exceed 195K until IMIKE) Climb to 3100 direct IMIKE and on track 137° EMBOW and hold.
▼ For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	

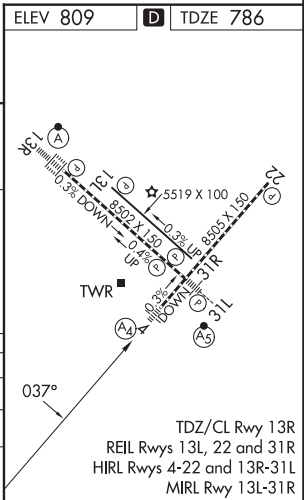
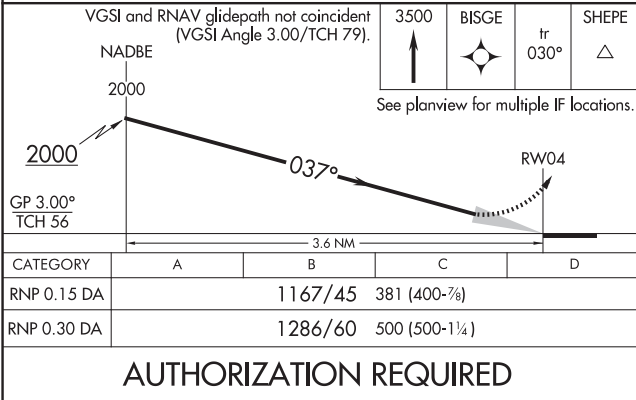
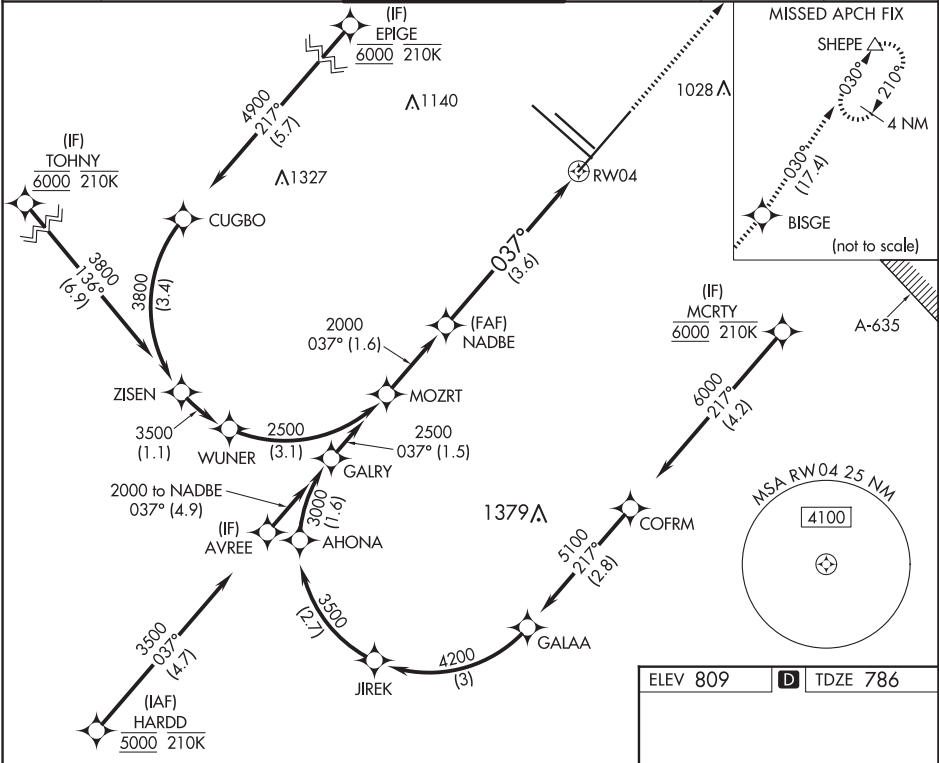
D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC
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APP CRS	Rwy Ldg	8505
037°	TDZE	786
	Apt Elev	809

RNAV (RNP) Z RWY 4
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS.			MALS	MISSED APPROACH: Climb to 3500 direct BISGE and track 030° to SHEPE and hold.	
▼ For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.			A4		
D-ATIS	SAN ANTONIO APP CON	SAN ANTONIO TOWER	GND CON	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	



SAN ANTONIO, TEXAS

AL-369 (FAA)

25163

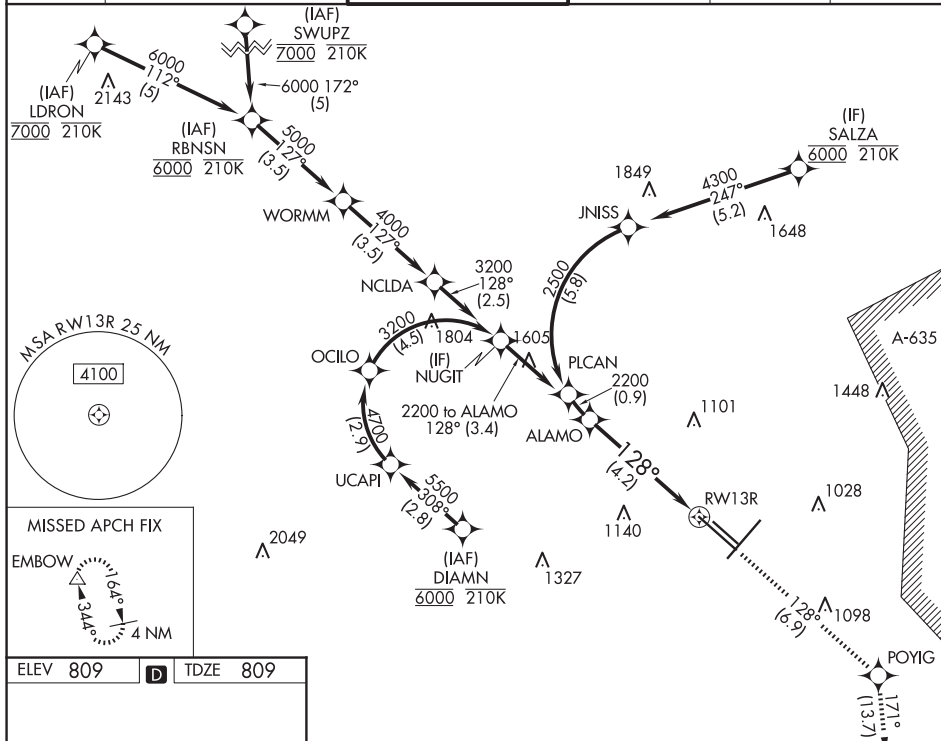
APP CRS 128°	Rwy Ldg TDZE Apt Elev	8502 809 809
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RNAV (RNP) Z RWY 13R

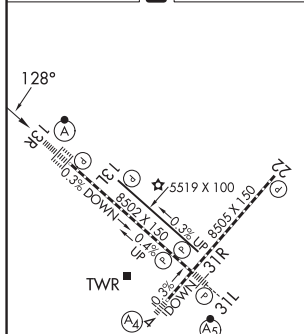
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS.	ALSIF-2	MISSED APPROACH: (Do not exceed 210K until POYIG) Climb to 3100 on track 128° to POYIG and track 171° to EMBOW and hold.
For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C. For inop ALS, increase RNP 0.3 all Cats visibility to RVR 6000.		

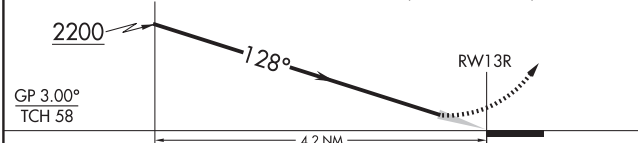
D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC
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ELEV 809	TDZE 809
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VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 75).	3100 POYIG	EMBOW
	tr 128°	tr 171°
	See planview for multiple IF locations.	



CATEGORY	A	B	C	D
RNP 0.15 DA		1137/26	328 (400-½)	
RNP 0.30 DA		1218/40	409 (500-¾)	

AUTHORIZATION REQUIRED

SAN ANTONIO, TEXAS

Amdt 1 25JAN24

29°32'N-98°28'W

SAN ANTONIO INTL (SAT)
RNAV (RNP) Z RWY 13R

APP CRS	Rwy Ldg	8505
217°	TDZE	770
	Apt Elev	809

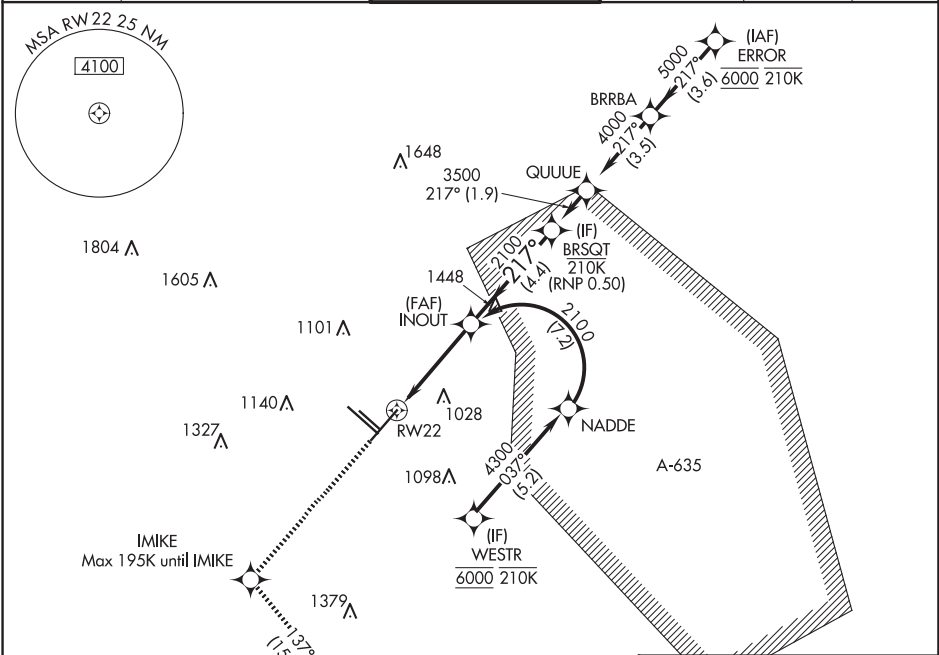
RNAV (RNP) Z RWY 22
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS. Authorization required.
From BRSQT: Min RNP 0.50. From NADDE: RF.

MISSED APPROACH: (Do not exceed 195K until IMIKE) Climb to 3100 direct IMIKE and on track 137° to EMBOW and hold.

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.

D-ATIS	SAN ANTONIO APP CON	SAN ANTONIO TOWER	GND CON	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	



MISSIED APCH FIX

EMBOW

3100

IMIKE

EMBOW

See planview for multiple IF locations.

RW22

217°

2100

GP 3.00°

TCH 55

CATEGORY	A	B	C	D
RNP 0.15 DA		1068-7 ⁸	298 (300-7%)	
RNP 0.30 DA		1220-13 ⁸	450 (500-13%)	

AUTHORIZATION REQUIRED

ELEV 809

TDZE 770

217°

3100

IMIKE

EMBOW

See planview for multiple IF locations.

RW22

217°

2100

GP 3.00°

TCH 55

TDZ/CL Rwy 13R

REIL Rwy 13L, 22 and 31R

HIRL Rwy 4-22 and 13R-31L

MIRL Rwy 13L-31R

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APP CRS	Rwy Ldg	8502
308°	TDZE	790
	Apt Elev	809

RNAV (RNP) Z RWY 31L

SAN ANTONIO INTL (SAT)

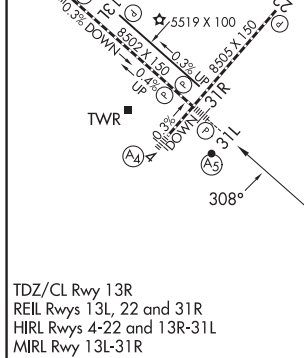
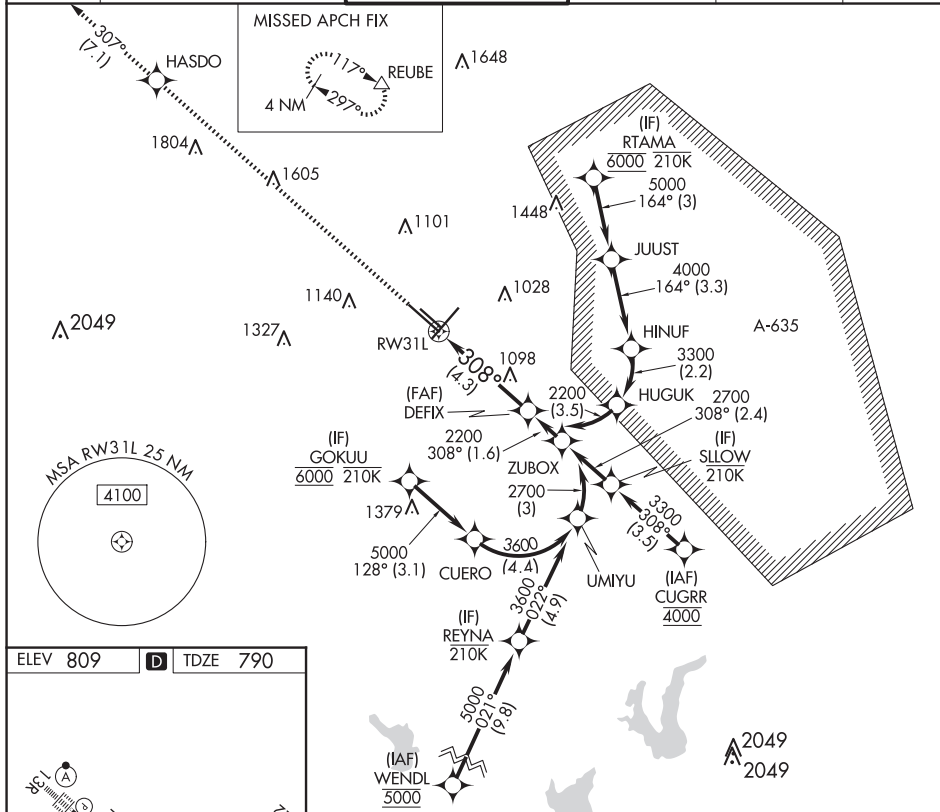
RNP AR APCH - GPS.


▼ For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C. For inop ALS, increase RNP 0.15 all Cats visibility to RVR 5500, increase RNP 0.30 all Cats visibility to RVR 6000.



MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.

D-ATIS	SAN ANTONIO APP CON	SAN ANTONIO TOWER	GND CON	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	



4200 ↑	HASDO ✦	tr 307°	REUBE △	VGS1 and RNAV glidepath not coincident (VGS1 Angle 3.00/TCH 82).	
See planview for multiple IF locations.				DEFIX	
RW31L				2200	2200
				308°	GP 3.00° TCH 60
4.3 NM					
CATEGORY	A	B	C	D	
RNP 0.15 DA	1144/30		354 (400- $\frac{5}{8}$)		
RNP 0.30 DA	1200/40		410 (400- $\frac{3}{4}$)		
AUTHORIZATION REQUIRED					

SAN ANTONIO, TEXAS
Amdt 1 25JAN24

29°32'N-98°28'W

SAN ANTONIO INTL (SAT)
RNP (RNP) Z RWY 31L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025




SAN ANTONIO, TEXAS

AL-369 (FAA)

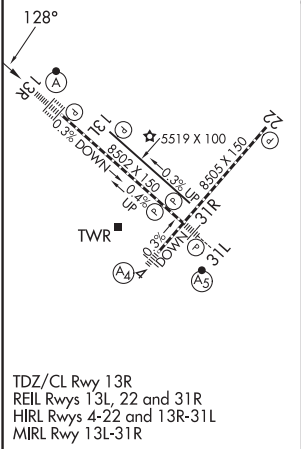
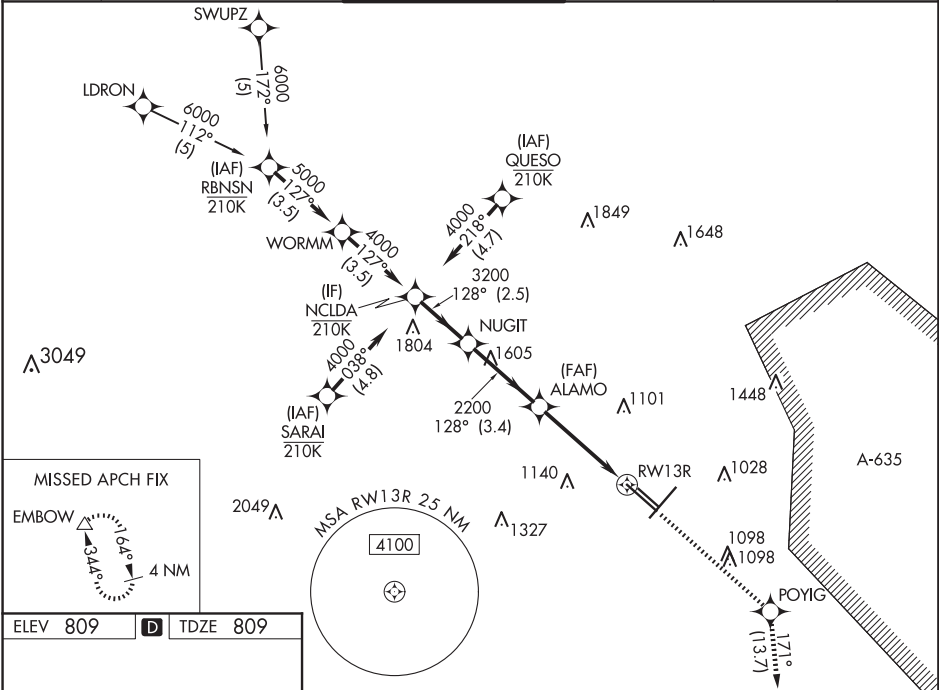
25163

WAAS CH 82409 W13A	APP CRS 128°	Rwy Ldg TDZE 809 Apt Elev 809
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RNAV (GPS) Y RWY 13R
SAN ANTONIO INTL (SAT)

RNP APCH - GPS.		ALSIF-2 	MISSED APPROACH: Climb to 3100 direct POYIG and on track 171° to EMBOW and hold.
 	Circling NA northwest of Rwy 4 and 13R. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 6000 and LNAV Cats C and D visibility to 1½ SM.		

D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC
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VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 75).			
GP 3.00° TCH 58			
2.5 NM 3.4 NM 2.3 NM 1.9 NM			
CATEGORY	A	B	C
LPV DA	1009/18 200 (200-½)		
LNAV/VNAV DA	1221/40 412 (500-¾)		
LNAV MDA	1480/24 671 (700-½)	1480-1½ 671 (700-1½)	
CIRCLING	1480-1 671 (700-1)	1480-2 671 (700-2)	1520-2¼ 711 (800-2¼)

SAN ANTONIO, TEXAS

Amdt 2 25JAN24

29°32'N-98°28'W

RNAV (GPS) Y RWY 13R
SAN ANTONIO INTL (SAT)

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25163

WAAS CH 69430 W22A	APP CRS 217°	Rwy Ldg 8505 TDZE 770 Apt Elev 809
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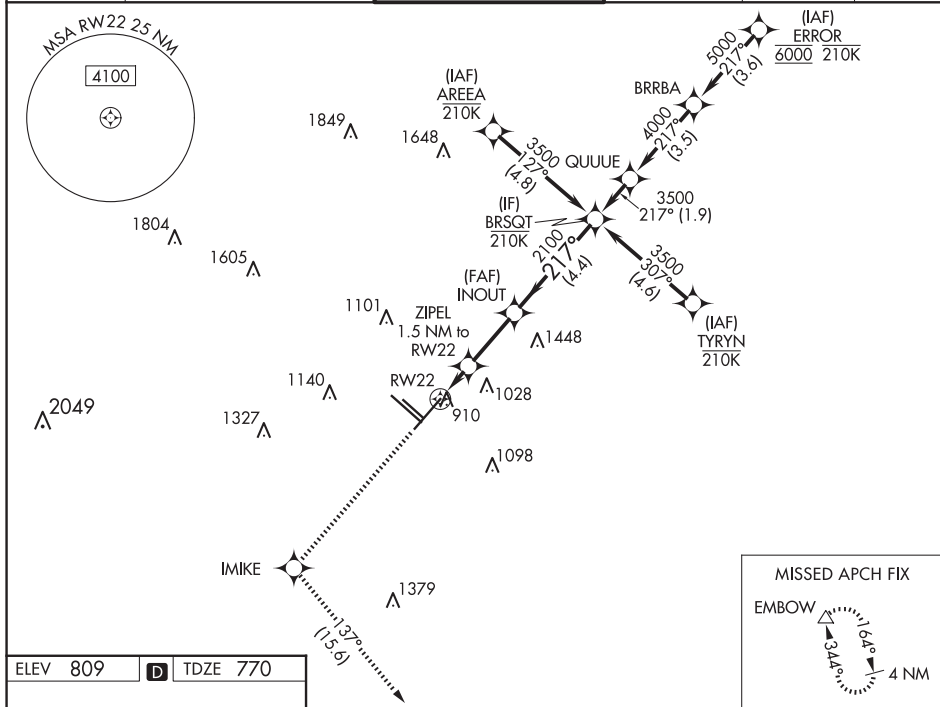
RNAV (GPS) Y RWY 22
SAN ANTONIO INTL (SAT)

RNP APCH - GPS.

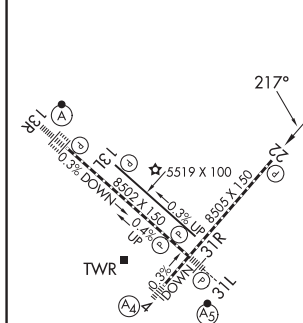
T Circling NA northwest of Rwy 4 and 13R. For uncompensated Baro-VNAV systems,
A LNAV/VNAV NA below -5°C or above 54°C.

MISSED APPROACH: Climb to 3100 direct **IMIKE** and on track 137° to **EMBOW** and hold.

D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC
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ELEV 809	D	TDZE 770
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TDZ/CL Rwy 13R
REIL Rwy 13L, 22 and 31R
HIRL Rwy 4-22 and 13R-31L
MIRL Rwy 13L-31R

3100
↑

IMIKE

tr 137°

EMBOW
△

VGSB and RNAV glidepath not coincident (VGSB Angle 3.00/TCH 85).

RW22

ZIPEL
1.5 NM to RW22

INOUT
2100

BRSQT

3500

217°

2100

GP 3.00°
TCH 55

1.5 NM

2.5 NM

4.4 NM

CATEGORY	A	B	C	D
LPV DA		970-3/4	200 (200-3/4)	
LNAV/VNAV DA		1220-1 3/8	450 (500-1 3/8)	
LNAV MDA	1220-1	450 (500-1)	1220-1 3/8	450 (500-1 3/8)
CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1 3/4 611 (700-1 3/4)	1520-2 1/4 711 (800-2 1/4)

SAN ANTONIO, TEXAS
Amdt 3 25JAN24

SAN ANTONIO INTL (SAT)

RNAV (GPS) Y RWY 22

29°32'N-98°28'W
429

SC-3, 12 JUN 2025 to 07 AUG 2025


SAN ANTONIO, TEXAS

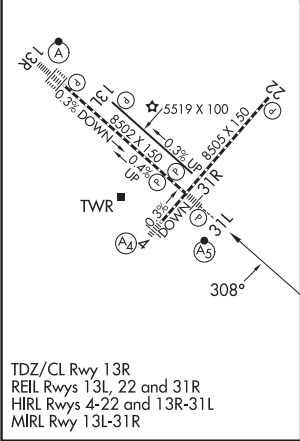
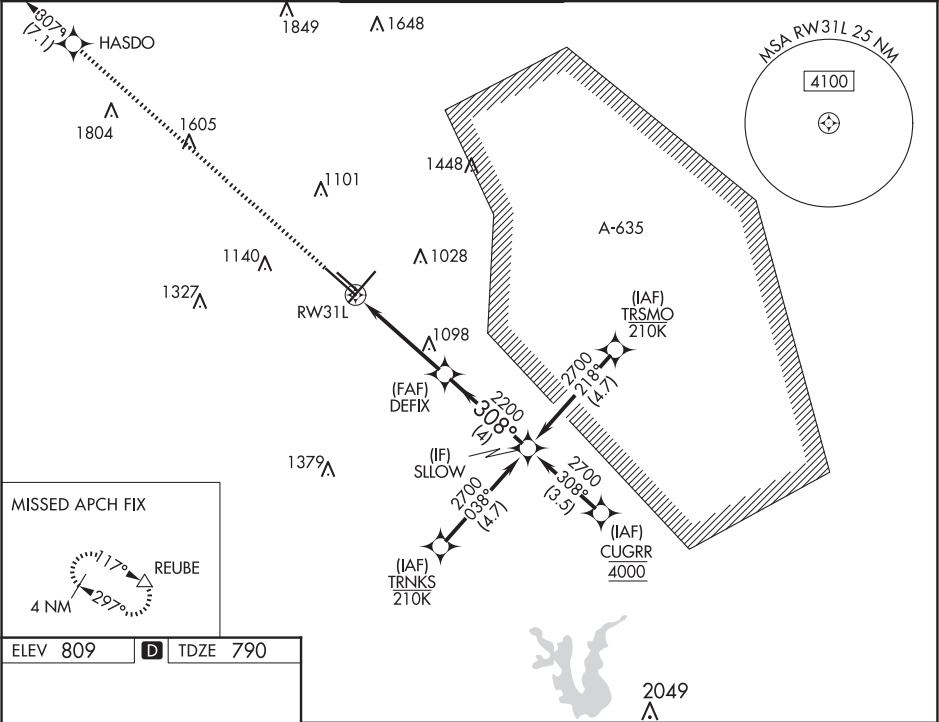
AL-369 (FAA)

25163

WAAS CH 61209 W31A	APP CRS 308°	Rwy Ldg TDZE 790 Apt Elev 809
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RNAV (GPS) Y RWY 31L
SAN ANTONIO INTL (SAT)

RNP APCH - GPS.			<div>MALSR</div> <div></div>	MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.	
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. Circling NA northwest of Rwy's 4 and 13R. * RVR 1800 authorized with use of FD or AP or HUD to DA.					
<div>D-ATIS</div> <div>118.9</div>	<div>SAN ANTONIO APP CON</div> <div>125.1 307.0</div>	<div>SAN ANTONIO TOWER</div> <div>119.8 257.8</div>	<div>GND CON</div> <div>121.9 348.6</div>	<div>CLNC DEL</div> <div>126.7</div>	CPDLC



4200		HASDO	ir 307°	REUBE	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 82).		SLOW
RW31L		1.5 NM to RW31L		DEFIX 2200	308°	2700	
		2.8 NM		4 NM			GP 3.00° TCH 60
CATEGORY	A	B	C	D			
LPV DA *	990/24		200 (200-½)				
LNAV/VNAV DA	1220/40		430 (500-¾)				
LNAV MDA	1360/24	570 (600-½)	1360/60	570 (600-1¼)			
CIRCLING	1360-1	551 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)			

SAN ANTONIO, TEXAS

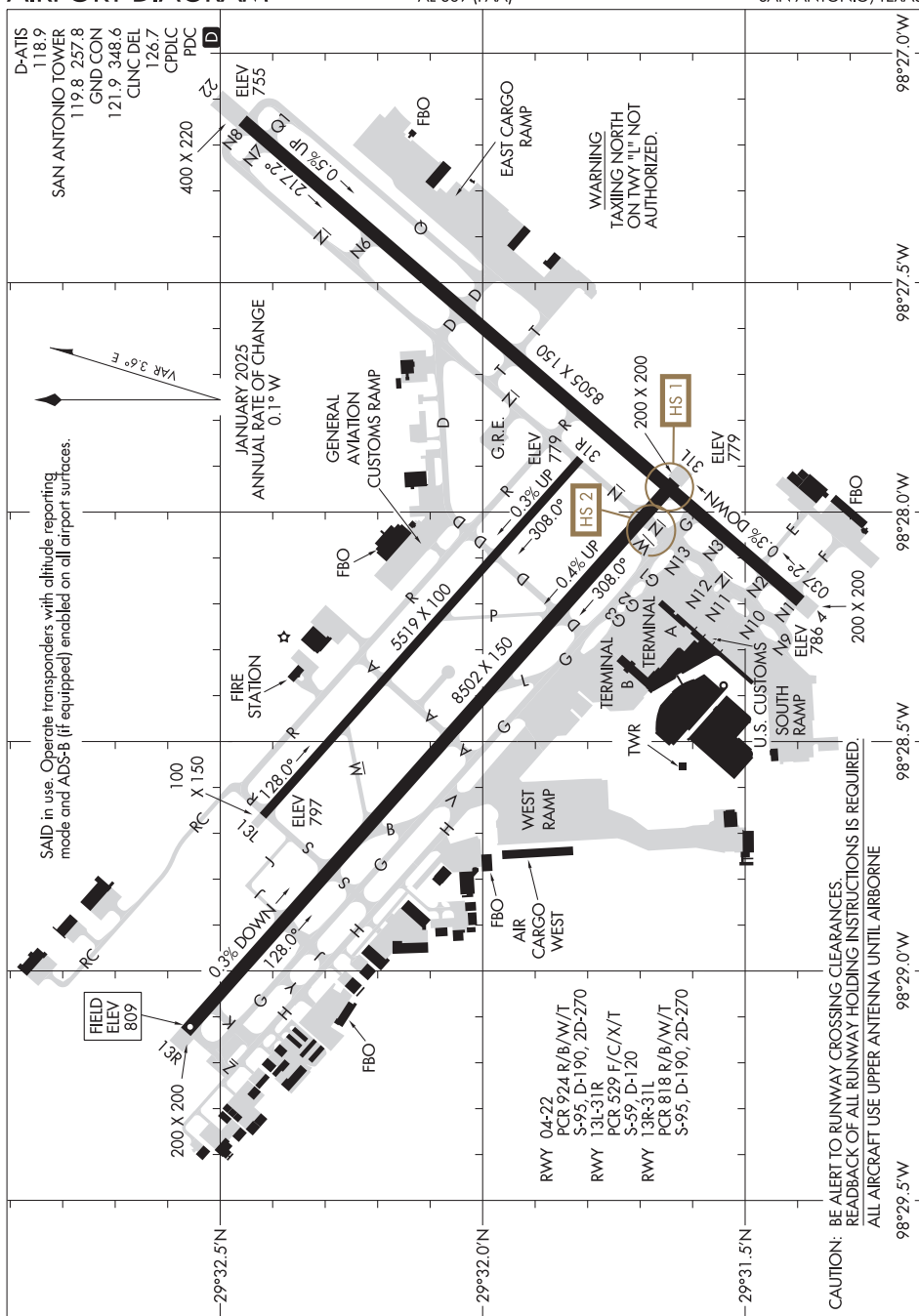
Amdt 2 25JAN24

29°32'N-98°28'W

SAN ANTONIO INTL (SAT)
RNAV (GPS) Y RWY 31L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



ALAMO FOUR DEPARTURE

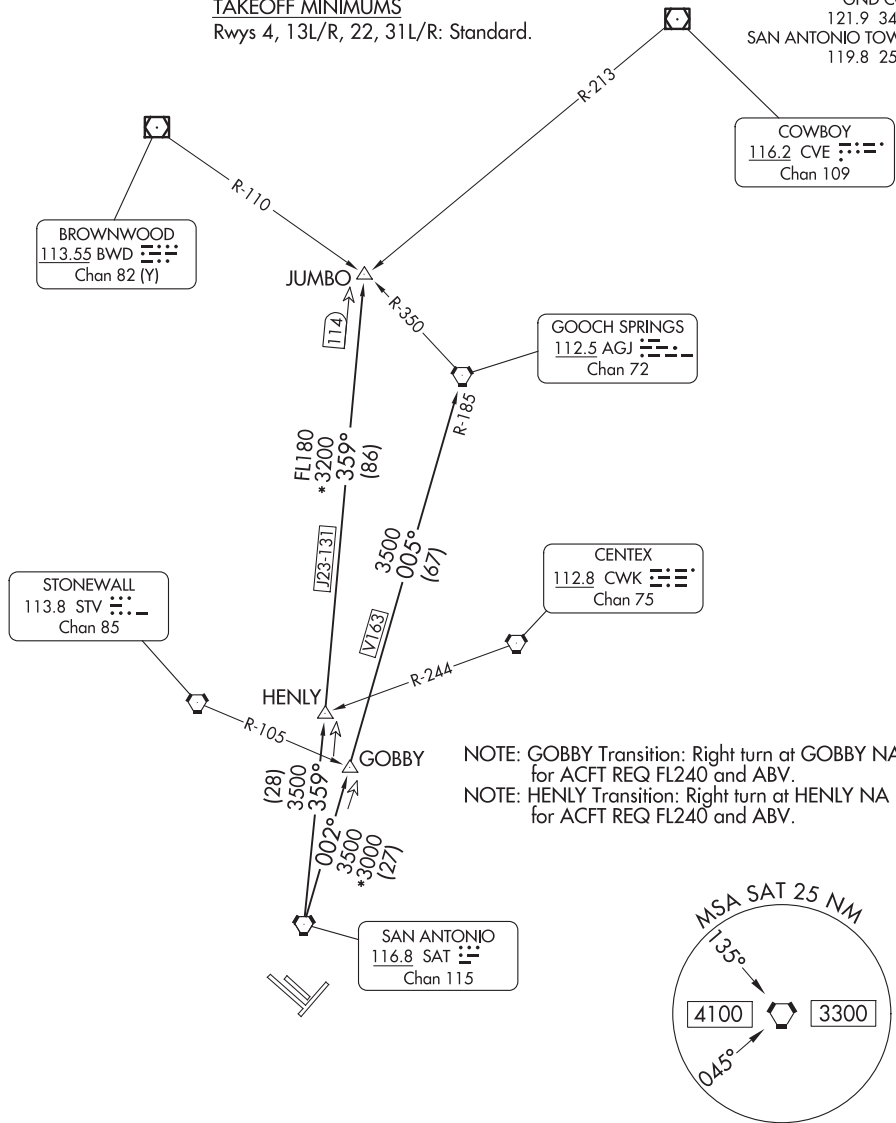
TOP ALTITUDE:
5000

RADAR required.

SAN ANTONIO DEP CON
125.1 307.0 (Rwys 04/22/31)
127.1 269.1 (Rwy 13)
D-ATIS 118.9
CLNC DEL 126.7
CPDLC 121.9 348.6
GND CON 119.8 257.8
SAN ANTONIO TOWER

TAKEOFF MINIMUMS

Rwys 4, 13L/R, 22, 31L/R: Standard.



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

ALAMO FOUR DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to SAT VORTAC, then on transition/route. Maintain 5000. Expect filed altitude 10 minutes after departure.

GOBBY TRANSITION (ALAMO4.GOBBY): From over SAT VORTAC on SAT R-002 to GOBBY.

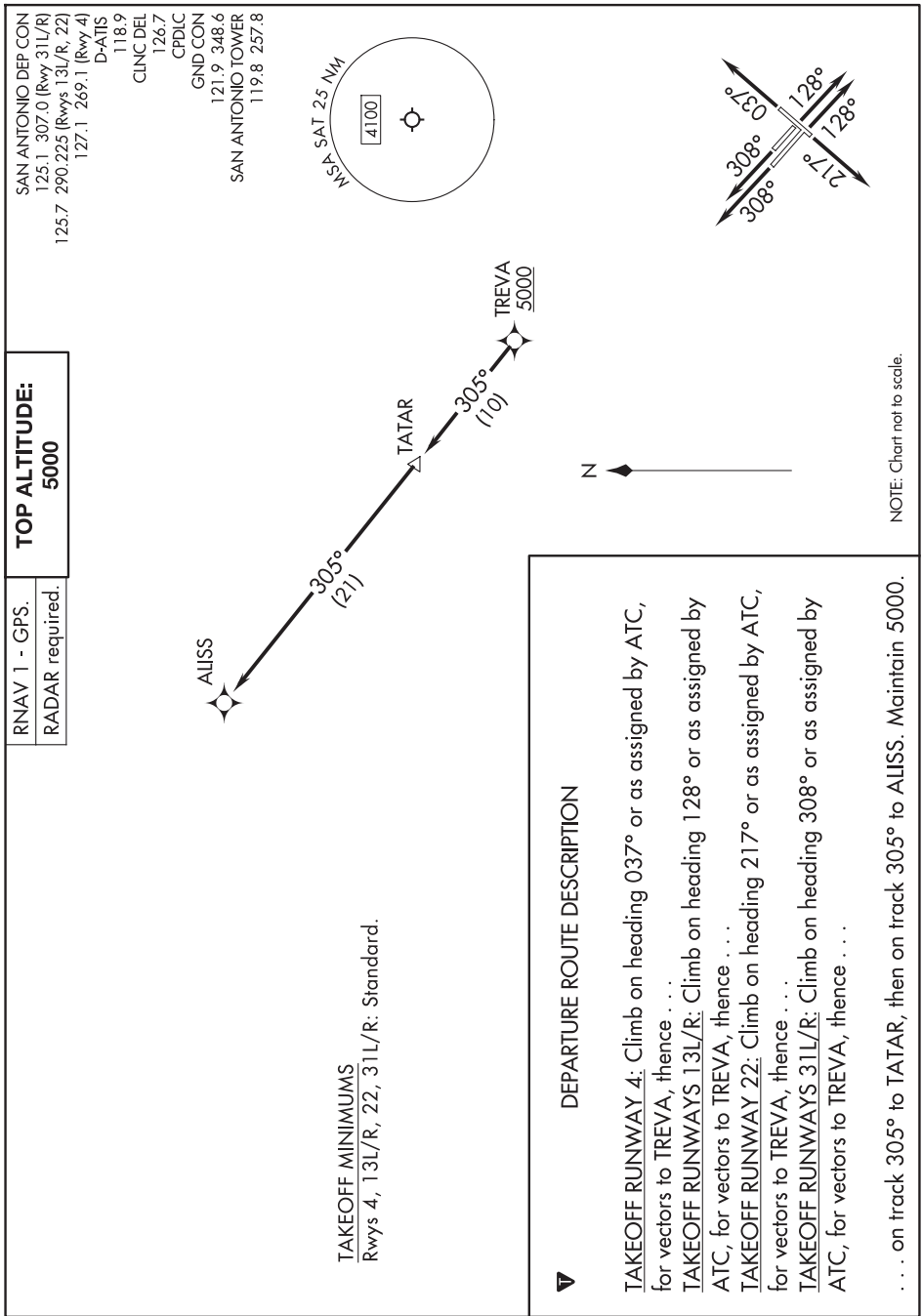
GOOCH SPRINGS TRANSITION (ALAMO4.AGJ): From over SAT VORTAC on SAT R-002 to GOBBY, then on SAT R-002 and AGJ R-185 to AGJ VORTAC.

HENLY TRANSITION (ALAMO4.HENLY): From over SAT VORTAC on SAT R-359 to HENLY.

JUMBO TRANSITION (ALAMO4.JUMBO): From over SAT VORTAC on SAT R-359 to JUMBO.

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

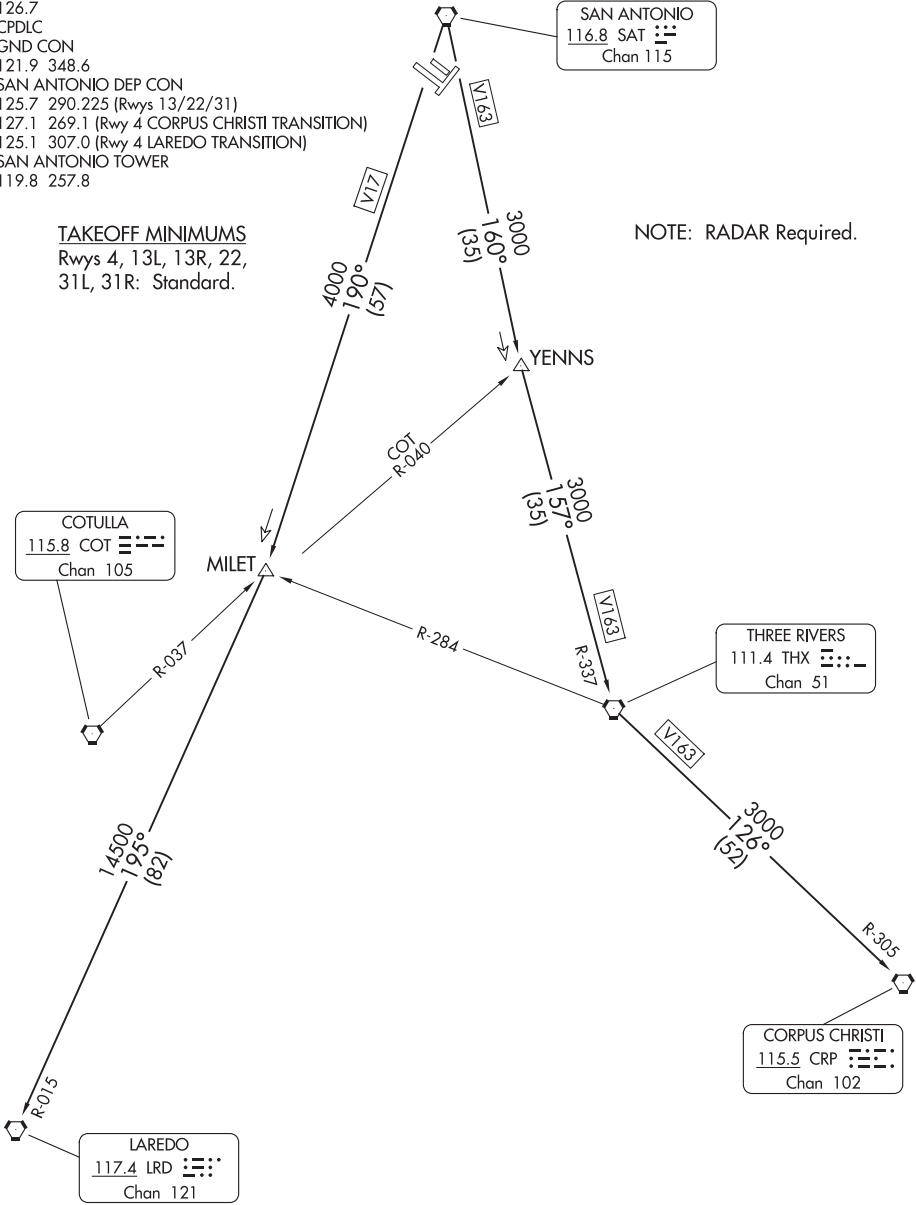


D-ATIS
118.9
CLNC DEL
126.7
CPDLC
GND CON
121.9 348.6
SAN ANTONIO DEP CON
125.7 290.225 (Rwys 13/22/31)
127.1 269.1 (Rwy 4 CORPUS CHRISTI TRANSITION)
125.1 307.0 (Rwy 4 LAREDO TRANSITION)
SAN ANTONIO TOWER
119.8 257.8

TAKEOFF MINIMUMS
Rwys 4, 13L, 13R, 22,
31L, 31R: Standard.

TOP ALTITUDE:
5000

NOTE: RADAR Required.



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

BOWIE SEVEN DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWYS 4, 13L 13R, 22, 31L, 31R: Climb on assigned heading for RADAR vectors to SAT VORTAC. Maintain 5000, thence. . .

. . . on transition/route. Expect filed altitude 10 minutes after departure.

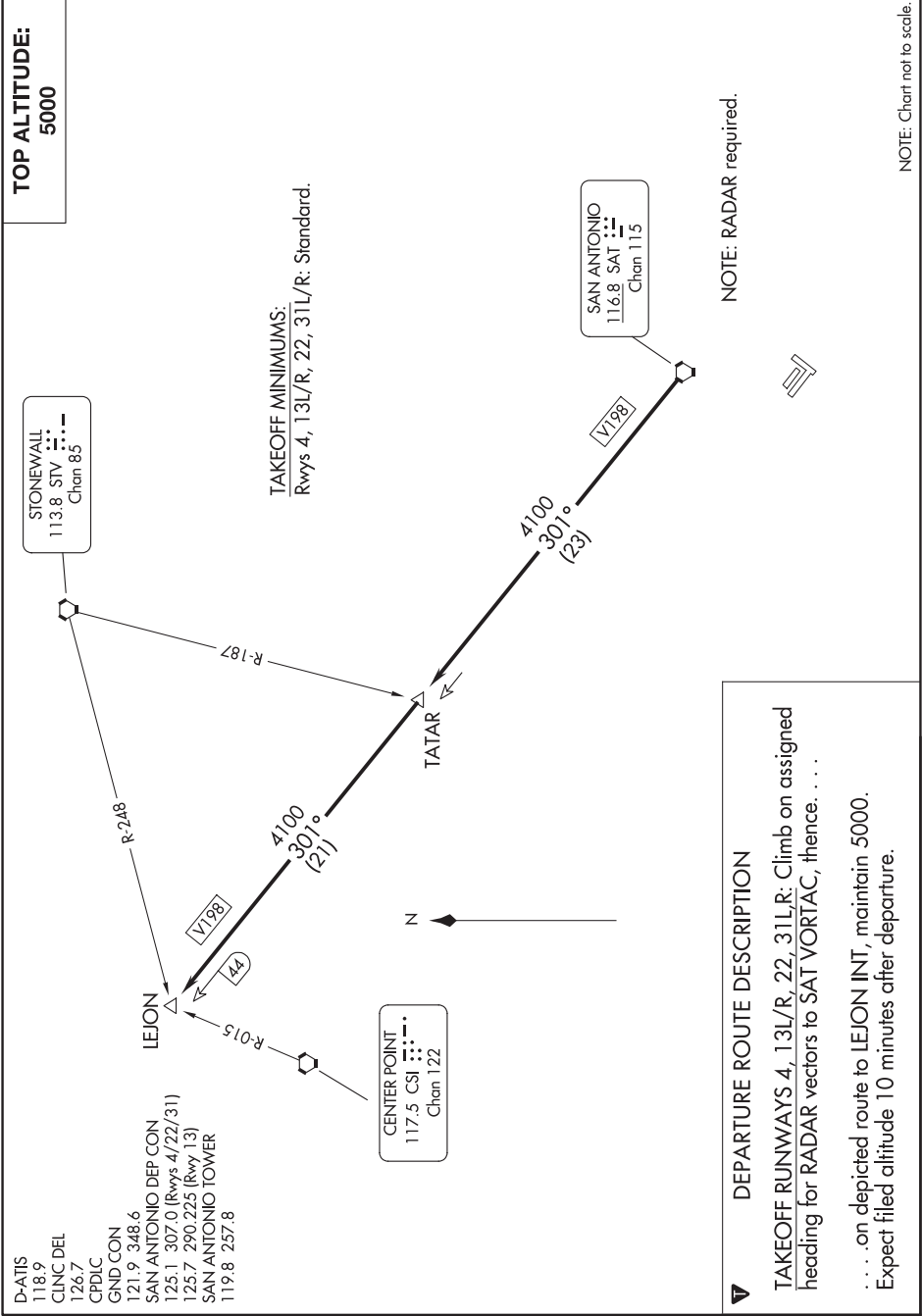
CORPUS CHRISTI TRANSITION (BOWIE7.CRP): From over SAT VORTAC on SAT R-160 to YENNS INT/SAT 35 DME, then on THX R-337 to THX VORTAC, then on THX R-126 and CRP R-305 to CRP VORTAC.

LAREDO TRANSITION (BOWIE7.LRD): From over SAT VORTAC on SAT R-190 to MILET INT/SAT 57 DME, then on LRD R-015 to LRD VORTAC.

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

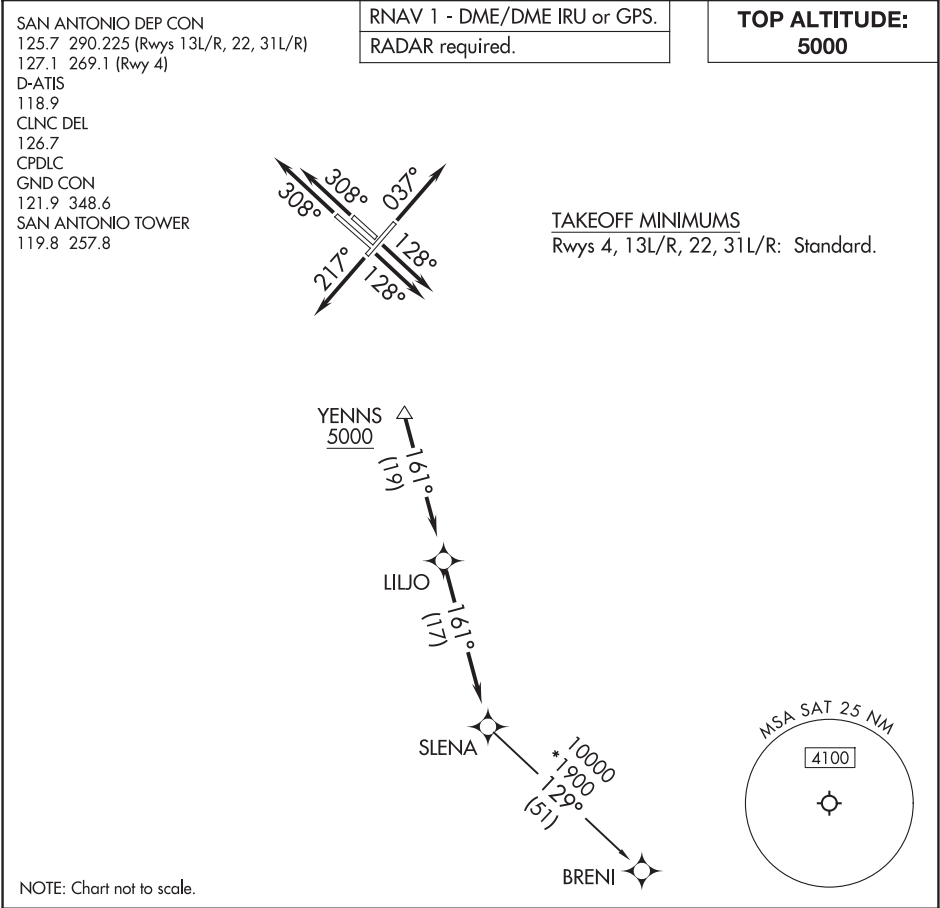


(SLENA1.SLENA) 24081

AL-369 (FAA)

SAN ANTONIO INTL (SAT)
SAN ANTONIO, TEXAS

SLENA ONE DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 037° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAYS 13L/R: Climb on heading 128° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAY 22: Climb on heading 217° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAYS 31L/R: Climb on heading 308° or as assigned by ATC, for vectors to YENNS, thence

. . . . on track 161° to LILJO, then on track 161° to SLENA, then on transition. Maintain 5000.

BRENI TRANSITION (SLENA1.BRENI)

SLENA ONE DEPARTURE (RNAV)
(SLENA1.SLENA) 25JAN24

SAN ANTONIO, TEXAS
SAN ANTONIO INTL (SAT)

SAN ANTONIO, TEXAS

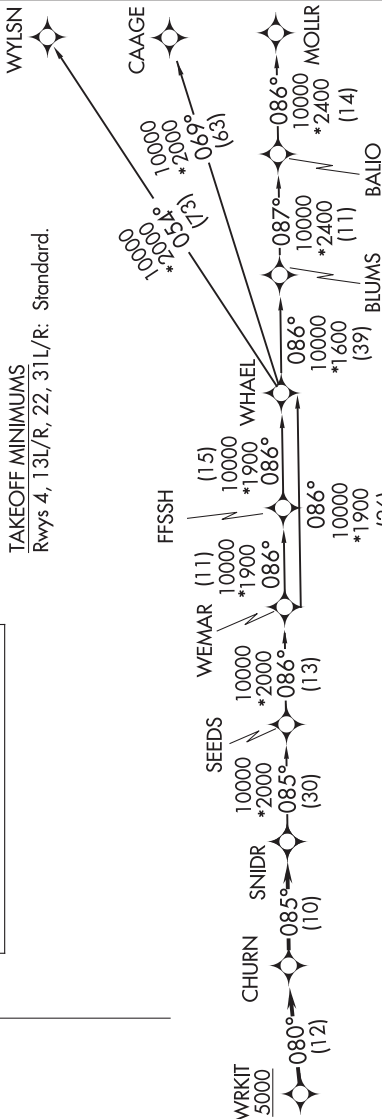
SAN ANTONIO

RADAR required.

TOP ALTITUDE:
5000

TAKEOFF MINIMUMS

Rwys 4, 13L/R, 22, 31L/R: Standard.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 037° or as assigned by ATC, for vectors to WRKIT, thence. . . .
 TAKEOFF RUNWAY 13L/R: Climb on heading 128° or as assigned by ATC, for vectors to WRKIT, thence. . . .
 TAKEOFF RUNWAY 22: Climb on heading 217° or as assigned by ATC, for vectors to WRKIT, thence. . . .
 TAKEOFF RUNWAY 31L/R: Climb on heading 308° or as assigned by ATC, for vectors to WRKIT, thence. . . .

...on track 080° to CHURN, then on track 085° to SNIDR, then on transition. Maintain 5000.

BLUMS TRANSITION (SNIDR1.BLUMS)

CAAGE TRANSITION (SNIDR1.CAAGE)

FFSSH TRANSITION (SNIDR1.FFSSH)

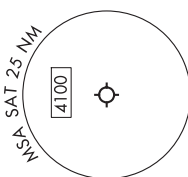
MOLLR TRANSITION (SNIDR1.MOLLR)

SEEDS TRANSITION (SNIDR1 SEEDS)

WEMAR TRANSITION (SNIDR1.WEMAR

WHAEL TRANSITION (SNIDR1.WHAEL)

WYLSN TRANSITION (SNIDR1.WYLSN)



Note: Chart not to scale.

SAN ANTONIO INTL (SAT)

(SNIDR1.SNIDR) 25JAN24

(TJANO1.TJANO) 24081

AL-369 (FAA)

SAN ANTONIO INTL (SAT)
SAN ANTONIO, TEXAS

TJANO ONE DEPARTURE (RNAV)

SAN ANTONIO DEP CON
125.7 290.225 (Rwys 13L/R, 22, 31L/R)
127.1 269.1 (Rwy 4)
D-ATIS
118.9
CLNC DEL
126.7
CPDLC
GND CON
121.9 348.6
SAN ANTONIO TOWER
119.8 257.8

RNAV 1 - DME/DME IRU or GPS.

RADAR required.

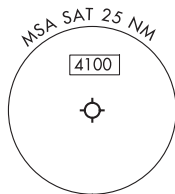
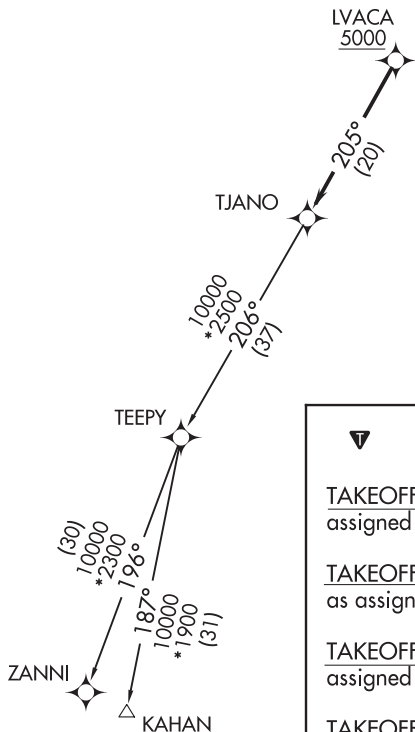
TOP ALTITUDE:
5000



TAKEOFF MINIMUMS

Rwys 4, 13L/R, 22, 31L/R: Standard.

NOTE: For non-GPS equipped aircraft,
THX and SAT DME must be operational.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 037° or as assigned by ATC, for vectors to LVACA, thence. . .

TAKEOFF RUNWAY 13L/R: Climb on heading 128° or as assigned by ATC, for vectors to LVACA, thence. . .

TAKEOFF RUNWAY 22: Climb on heading 217° or as assigned by ATC, for vectors to LVACA, thence. . .

TAKEOFF RUNWAY 31L/R: Climb on heading 308° or as assigned by ATC, for vectors to LVACA, thence. . .

...on track 205° to TJANO, then on Transition. Maintain 5000.

KAHAN TRANSITION (TJANO1.KAHAN)
ZANNI TRANSITION (TJANO1.ZANNI)

Note: Chart not to scale.

TJANO ONE DEPARTURE (RNAV)
(TJANO1.TJANO) 25JAN24

SAN ANTONIO, TEXAS
SAN ANTONIO INTL (SAT)

YODUH ONE DEPARTURE (RNAV)

SAN ANTONIO, TEXAS

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

**TOP ALTITUDE:
5000**

SAN ANTONIO DEP CON
125.1 307.0 (Rwy 31L/R)
125.7 290.225 (Rwy 22)
127.1 269.1 (Rwys 4, 13L/R)
D-ATIS
118.9
CLNC DEL
126.7
CPDLC
GND CON
121.9 348.6
SAN ANTONIO TOWER
119.8 257.8

TAKEOFF MINIMUMS
Rwys 4, 13L/R, 22, 31L/R: Standard.

NOTE: Aircraft destined for airports north/northeast of DFW terminal area must file the KLNGR Transition.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 037° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAYS 13L/R: Climb on heading 128° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAY 22: Climb on heading 217° or as assigned by ATC, for vectors to SITHH, thence . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 308° or as assigned by ATC, for vectors to SITHH, thence . . .

. . . on track 002° to YODUH, then on Transition. Maintain 5000.

KLNGR TRANSITION (YODUH1.KLNGR)
PRTZY TRANSITION (YODUH1.PRTZY)

YODUH ONE DEPARTURE (RNAV)

(YODUH1.YODUH) 25JAN24

SAN ANTONIO, TEXAS
SAN ANTONIO INTL (SAT)

RNAV (GPS) RWY 32
STINSON MUNI (SSF)

SAN ANTONIO, TEXAS
Orig-D 22APR21

29°20'N-98°28'W

STINSON MUNI (SSF)

RNAV (GPS) RWY 32

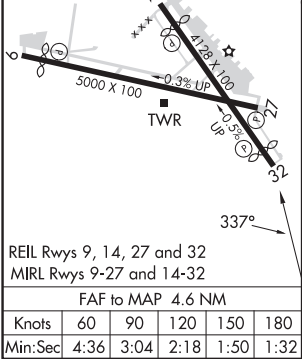
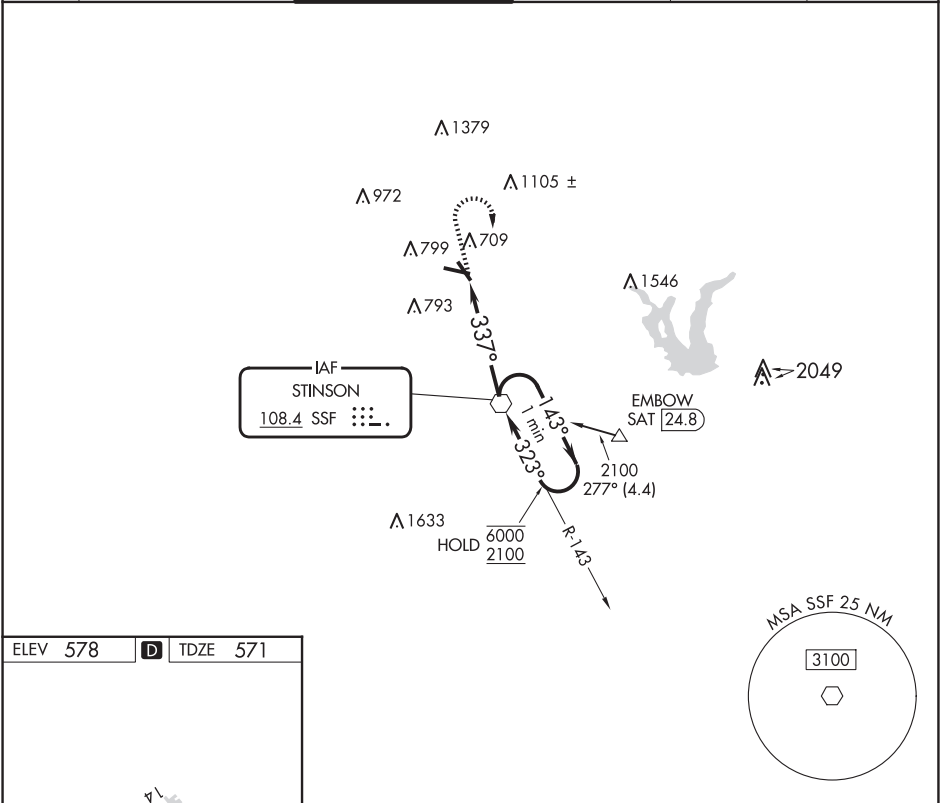
SC-3, 12 JUN 2025 to 07 AUG 2025

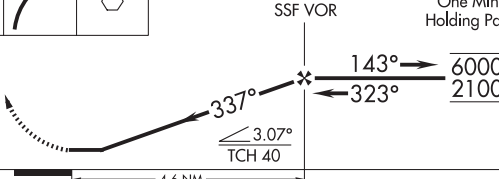
VOR SSF	APP CRS	Rwy Idg
108.4	337°	3530
		TDZE
		571
		Apt Elev
		578

VOR RWY 32
STINSON MUNI (SSF)

<div><div>▼</div><div>Rwy 32 helicopter visibility reduction below 1 SM NA. Straight-in Rwy 32 NA at night, Circling Rwy 9, 14, and 32 NA at night.</div></div>	MISSED APPROACH: Climb to 1400 then climbing right turn to 2500 direct SSF VOR and hold.
---	--

ATIS	SAN ANTONIO APP CON	STINSON TOWER*	GND CON	CLNC DEL	UNICOM
128.8	125.7 290.225	118.2 (CTAF) 379.9	121.7 379.9	121.7 (When twr closed)	122.95



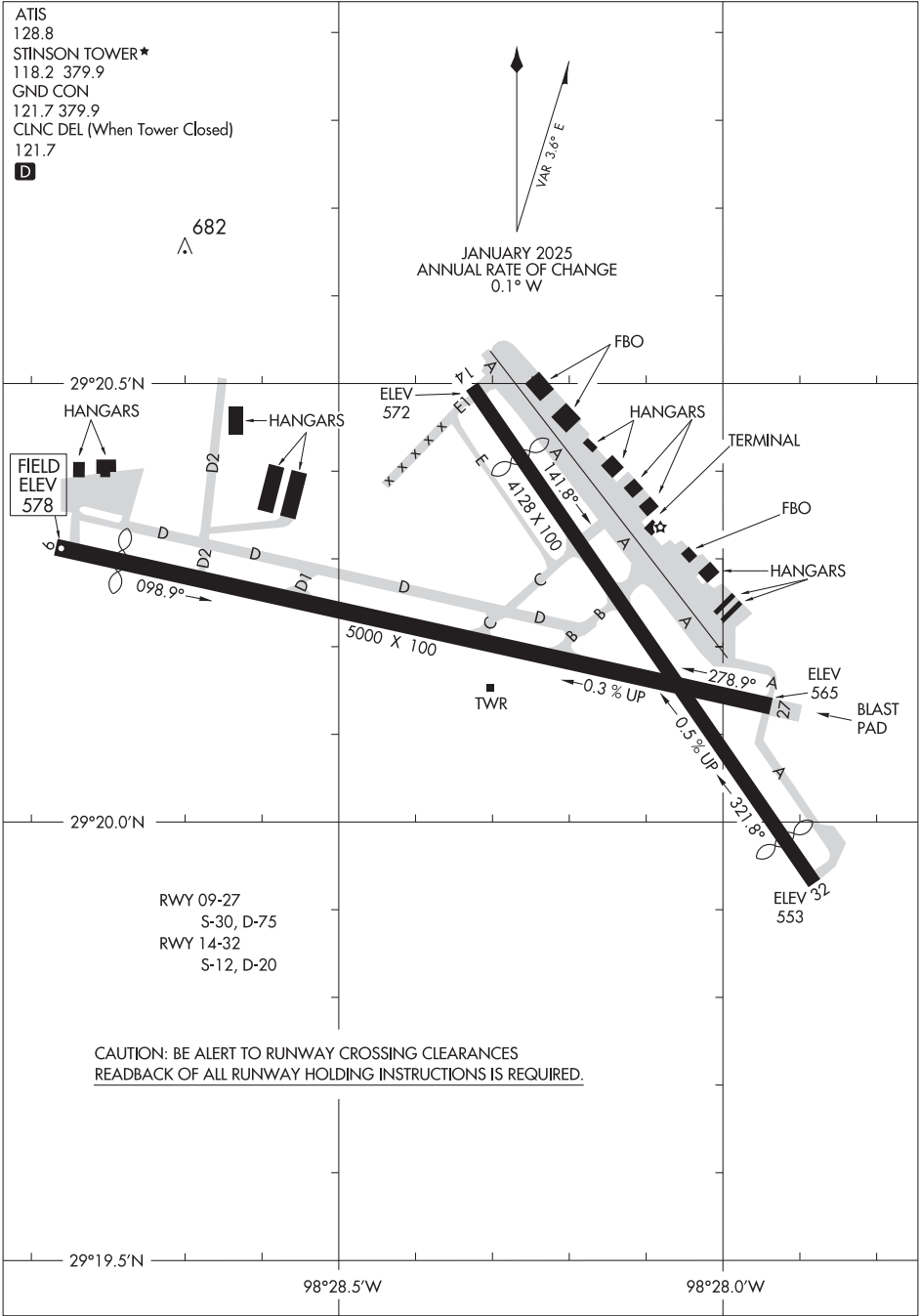
	1400	2500	SSF	
	↑	↷	⬡	
	One Minute Holding Pattern			
				
CATEGORY	A	B	C	D
S-32	1020-1	449 (500-1)	1020-1 ³ / ₈ 449 (500-1 ³ / ₈)	NA
CIRCLING	1040-1 462 (500-1)	1120-1 542 (600-1)	1260-2 682 (700-2)	NA

25107

AIRPORT DIAGRAM

STINSON MUNI (SSF)
SAN ANTONIO, TEXAS

AL-372 (FAA)



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

AIRPORT DIAGRAM

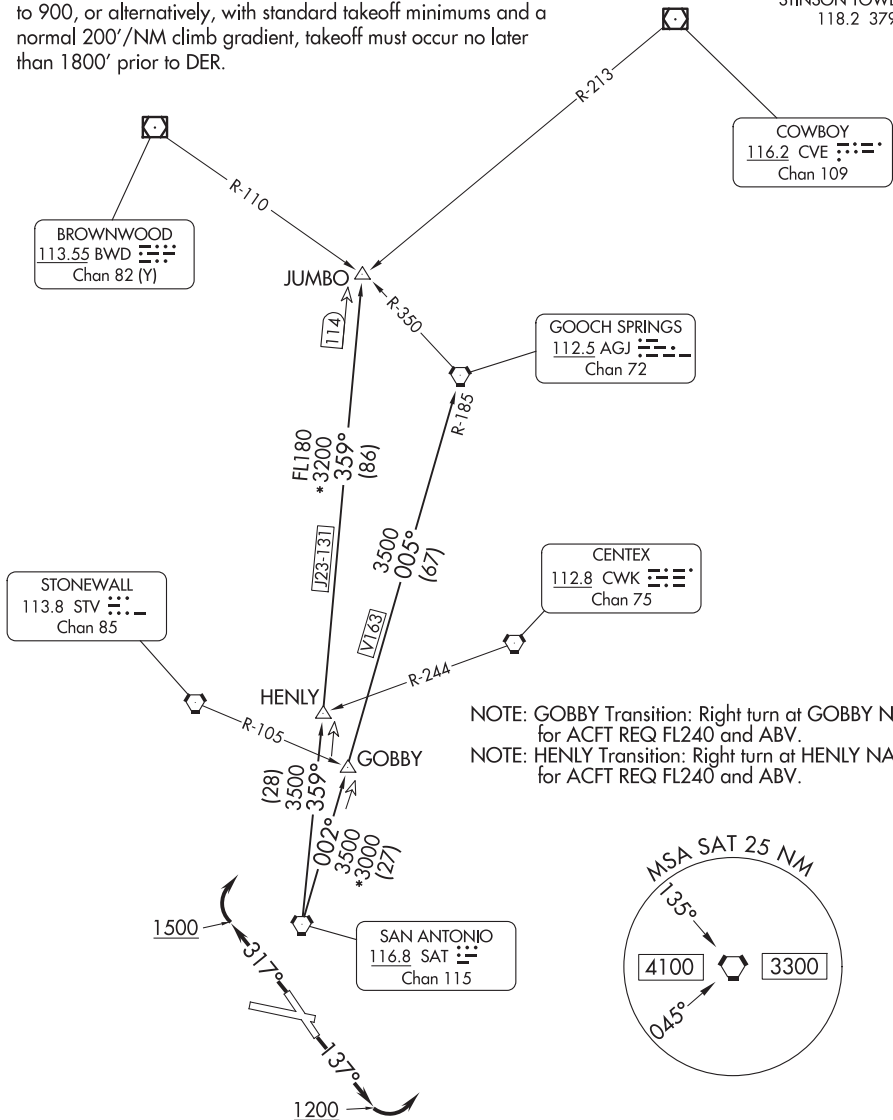
25107

SAN ANTONIO, TEXAS
STINSON MUNI (SSF)

**TOP ALTITUDE:
ASSIGNED BY ATC**

SAN ANTONIO DEP CON
125.7 290.225
ATIS
128.8
CLNC DEL (When twr closed)
121.7
GND CON
121.7 379.9
STINSON TOWER
118.2 379.9

Rwy 9: Standard with minimum climb of 230'/NM to 1900.
Rwy 27: 300-1½ or standard with minimum climb of 225'/NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to DER.



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale

ALAMO FOUR DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 9, 27: Climb on assigned heading for RADAR vectors to SAT VORTAC, thence...

TAKEOFF RUNWAY 14: Climb on heading 137° to 1200 before turning left for RADAR vectors to SAT VORTAC, thence...

TAKEOFF RUNWAY 32: Climb on heading 317° to 1500 before turning right for RADAR vectors to SAT VORTAC, thence...

...on transition/route. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

GOBBY TRANSITION (ALAMO4.GOBBY): From over SAT VORTAC on SAT R-002 to GOBBY.

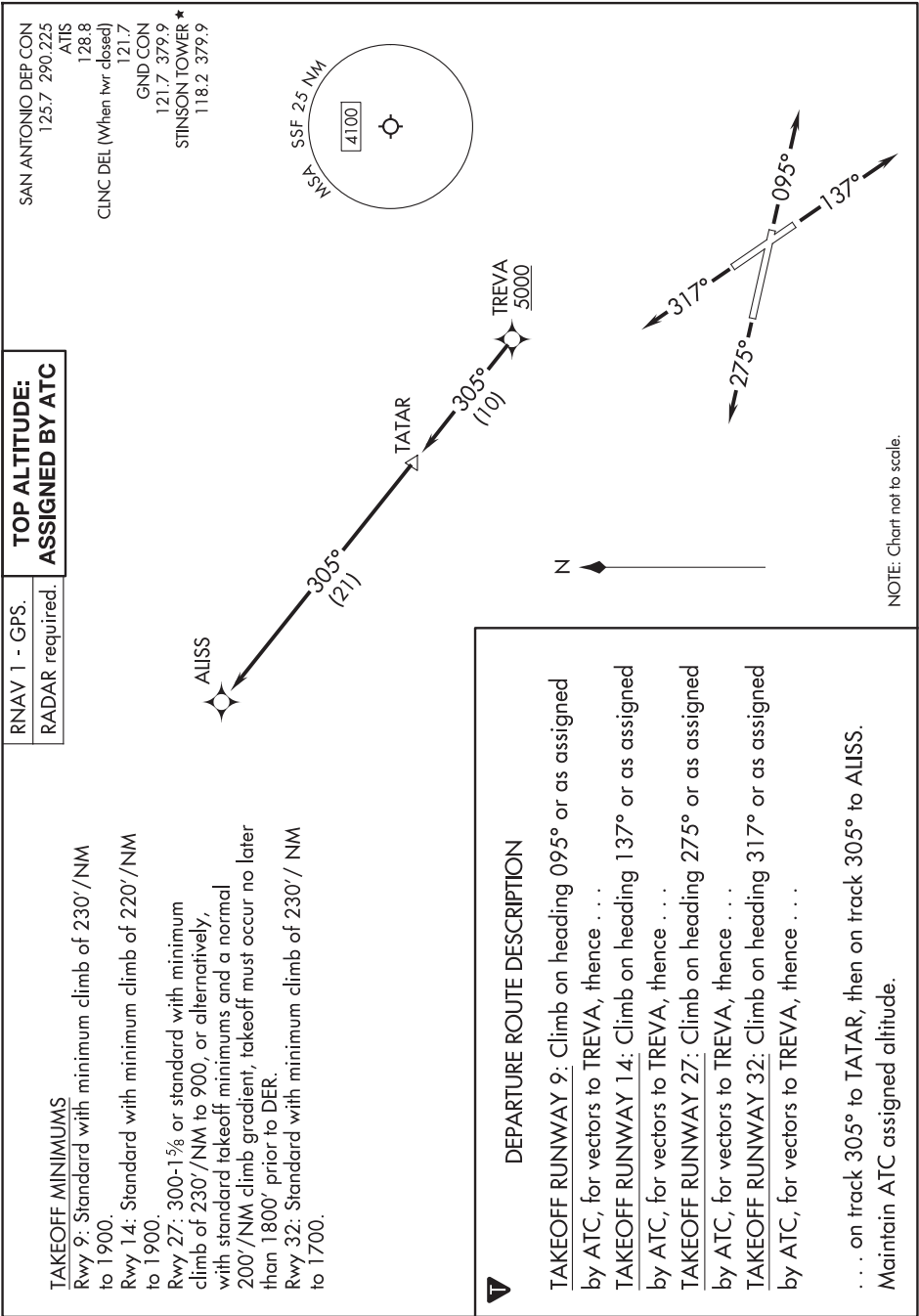
GOOCH SPRINGS TRANSITION (ALAMO4.AGJ): From over SAT VORTAC on SAT R-002 to GOBBY, then on SAT R-002 and AGJ R-185 to AGJ VORTAC.

HENLY TRANSITION (ALAMO4.HENLY): From over SAT VORTAC on SAT R-359 to HENLY.

JUMBO TRANSITION (ALAMO4.JUMBO): From over SAT VORTAC on SAT R-359 to JUMBO.

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



(BOWIE7.BOWIE) 24137
BOWIE SEVEN DEPARTURE

AL-372 (FAA)

STINSON MUNI (SSF)
SAN ANTONIO, TEXAS

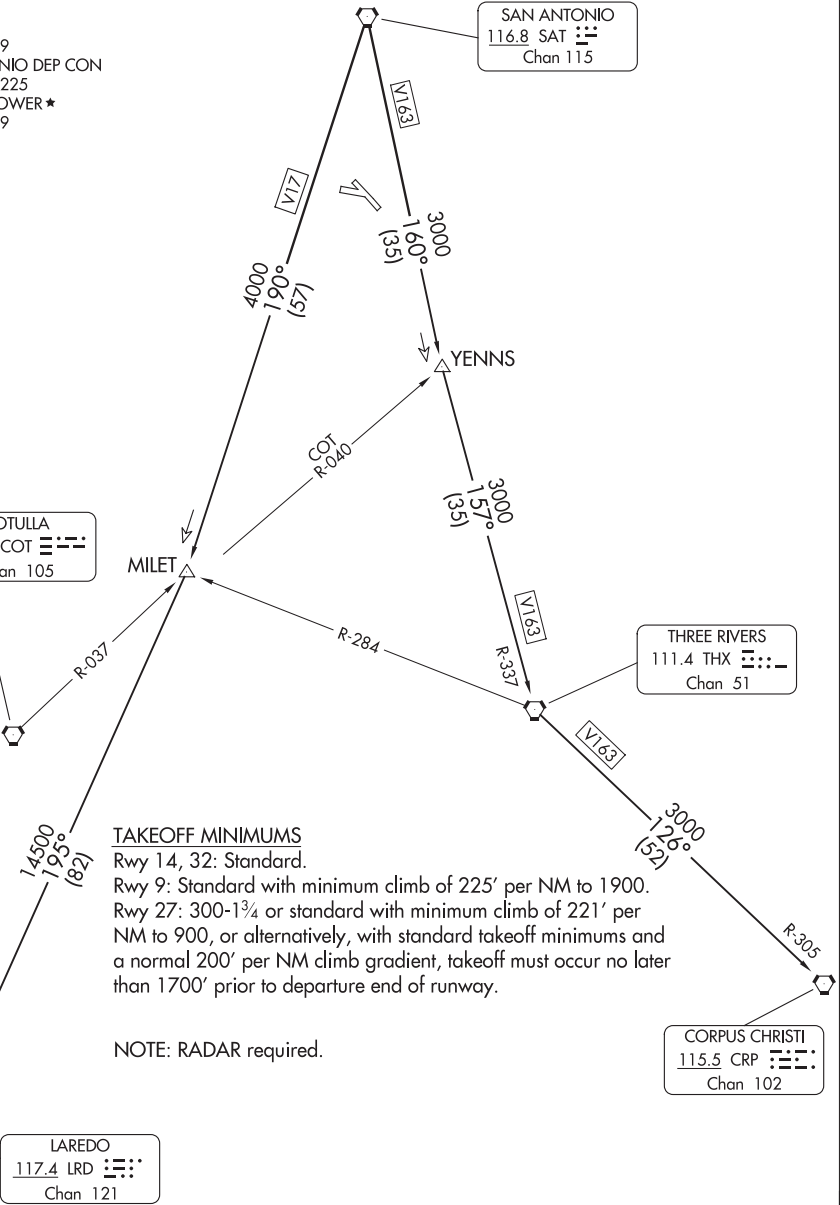
ATIS
128.8
CLNC DEL (When twr closed)
121.7
GND CON
121.7 379.9
SAN ANTONIO DEP CON
125.7 290.225
STINSON TOWER★
118.2 379.9

SAN ANTONIO
116.8 SAT
Chan 115

COTULLA
115.8 COT
Chan 105

THREE RIVERS
111.4 THX
Chan 51

CORPUS CHRISTI
115.5 CRP
Chan 102



NOTE: Chart not to scale

(CONTINUED ON FOLLOWING PAGE)

BOWIE SEVEN DEPARTURE
(BOWIE7.BOWIE) 02MAR17

SAN ANTONIO, TEXAS
STINSON MUNI (SSF)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWYS 9, 14, 27, 32: Climb on assigned heading and altitude for RADAR vectors to SAT VORTAC, thence. . . .

. . . .on transition/route. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (BOWIE7.CRP): From over SAT VORTAC on SAT R-160 to YENNS/SAT 35 DME, then on THX R-337 to THX VORTAC, then on THX R-126 and CRP R-305 to CRP VORTAC.

LAREDO TRANSITION (BOWIE7.LRD): From over SAT VORTAC on SAT R-190 to MILET/SAT 57 DME, then on LRD R-015 to LRD VORTAC.

SC-3, 12 JUN 2025 to 07 AUG 2025

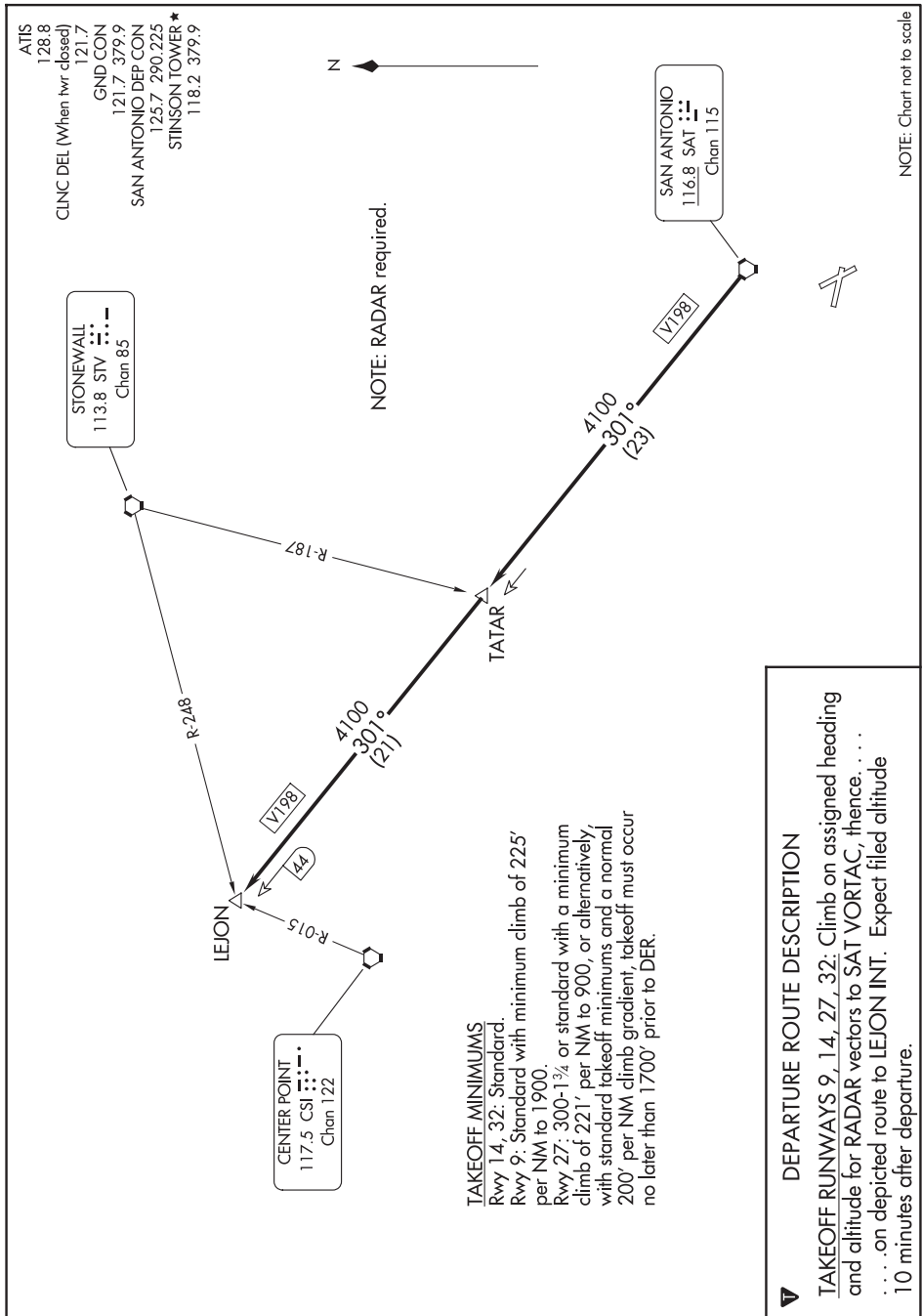
SC-3, 12 JUN 2025 to 07 AUG 2025

(LEJON4.LEJON) 24137
LEJON FOUR DEPARTURE

450
AL-372 (FAA)

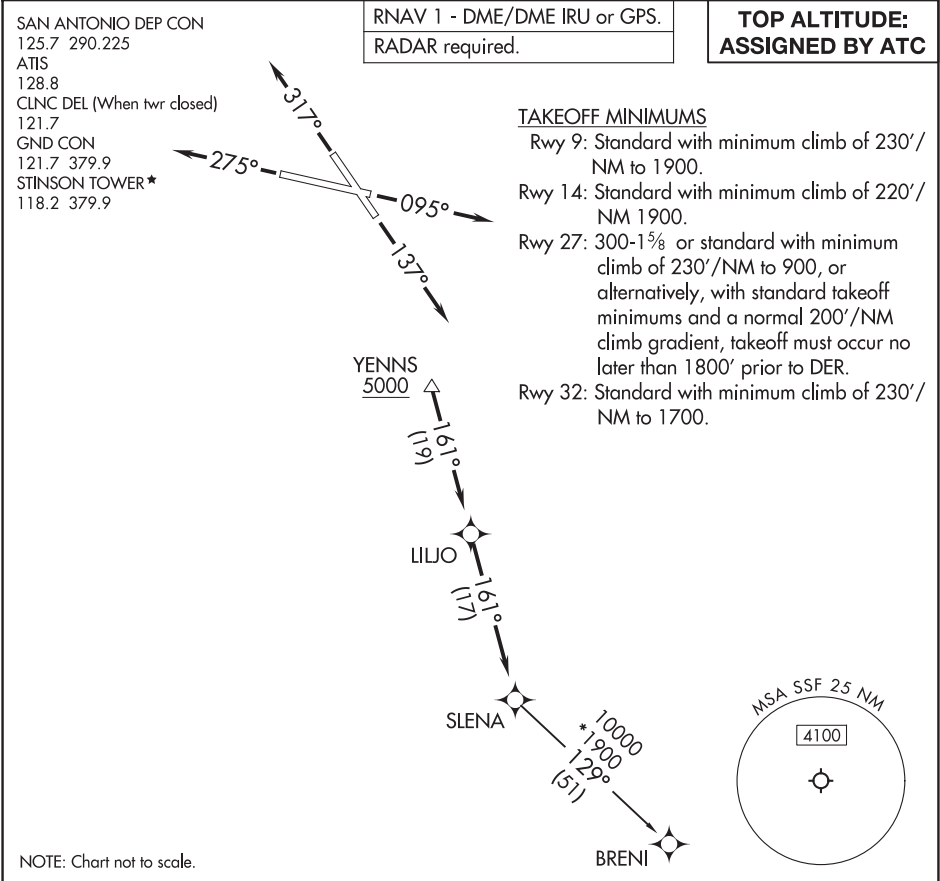
STINSON MUNI (SSF)
SAN ANTONIO, TEXAS

SC-3, 12 JUN 2025 to 07 AUG 2025



LEJON FOUR DEPARTURE
(LEJON4.LEJON) 02MAR17

SAN ANTONIO, TEXAS
STINSON MUNI (SSF)



SNIDR ONE DEPARTURE (RNAV)

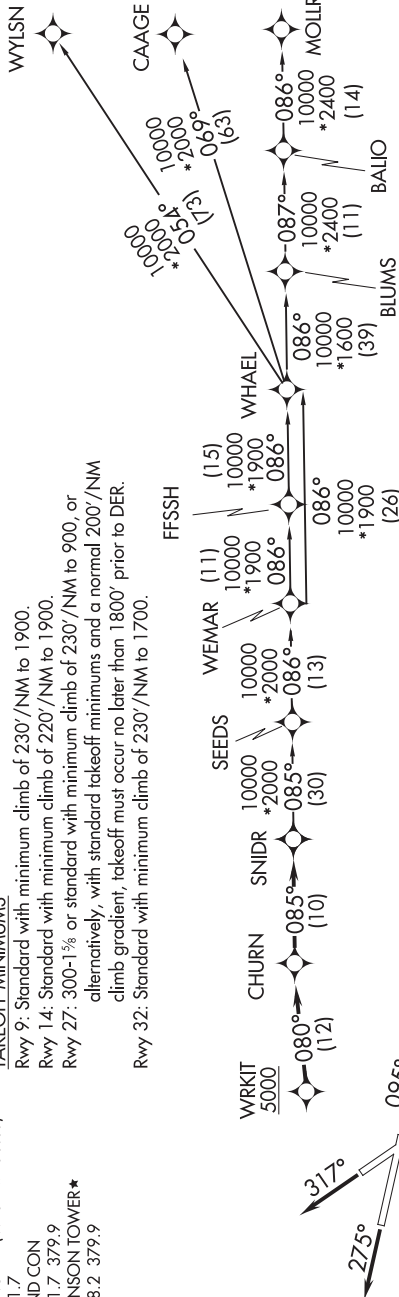
RNAV 1 - DME/DME IRU or GPS.

SAN ANTONIO DEP CON
125.7 290.225
ATIS
128.8
CLNC DEL (When twr closed)
121.7
GND CON
121.7 379.9
STINSON TOWER★
118.2 379.9

TAKEOFF MINIMUMS

Rwy 9: Standard with minimum climb of 230°/NM to 1900.
 Rwy 14: Standard with minimum climb of 220°/NM to 1900.
 Rwy 27: 300-1° or standard with minimum climb of 230°/NM to 900, or alternatively, with standard takeoff minimums and a normal 200°/NM climb gradient, takeoff must occur no later than 1800' prior to DER.
 Rwy 32: Standard with minimum climb of 230°/NM to 1700.

**TOP ALTITUDE:
ASSIGNED BY ATC**



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 095° or as assigned by ATC, for vectors to WRKIT, thence, . . .
 TAKEOFF RUNWAY 14: Climb on heading 137° or as assigned by ATC, for vectors to WRKIT, thence, . . .
 TAKEOFF RUNWAY 27: Climb on heading 275° or as assigned by ATC, for vectors to WRKIT, thence, . . .
 TAKEOFF RUNWAY 32: Climb on heading 317° or as assigned by ATC, for vectors to WRKIT, thence, . . .
 . . . on track 080° to CHURN, then on track 085° to SNIDR, then on transition. Maintain ATC assigned altitude.

BLUMS TRANSITION [SNIDR1.BLUMS]
CAAGE TRANSITION [SNIDR1.CAAGE]
FFSSH TRANSITION [SNIDR1.FFSSH]
MOLLR TRANSITION [SNIDR1.MOLLR]
SEEDS TRANSITION [SNIDR1.SEEDS]
WEWAR TRANSITION [SNIDR1.WEWAR]
WHAEL TRANSITION [SNIDR1.WHAEL]
WYLSN TRANSITION [SNIDR1.WYLSN]

Note: Chart not to scale.

SNIDR ONE DEPARTURE (RNAV)

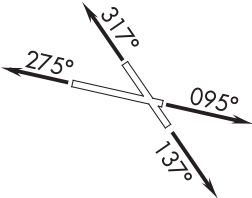
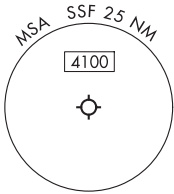
(SNIDR1.SNIDR) 25JAN24

SAN ANTONIO, TEXAS
STINSON MUNI (SSF)

SAN ANTONIO DEP CON
125.7 290.225
ATIS
128.8
CLNC DEL (When twr closed)
121.7
GND CON
121.7 379.9
STINSON TOWER *
118.2 379.9

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

TOP ALTITUDE:
ASSIGNED BY ATC



NOTE: For non-GPS equipped aircraft,
THX and SAT DME must be operational.

TAKEOFF MINIMUMS

- Rwy 9: Standard with minimum climb of 230'/NM to 1900.
Rwy 14: Standard with minimum climb of 220'/NM to 1900.
Rwy 27: 300-1% or standard with minimum climb of 230'/NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to DER.
Rwy 32: Standard with minimum climb of 230'/NM to 1700.

DEPARTURE ROUTE DESCRIPTION

- TAKEOFF RUNWAY 9:** Climb on heading 095° or as assigned by ATC, for vectors to LVACA, thence. . .
- TAKEOFF RUNWAY 14:** Climb on heading 137° or as assigned by ATC, for vectors to LVACA, thence. . .
- TAKEOFF RUNWAY 27:** Climb on heading 275° or as assigned by ATC, for vectors to LVACA, thence. . .
- TAKEOFF RUNWAY 32:** Climb on heading 317° or as assigned by ATC, for vectors to LVACA, thence. . .
- . . .on track 205° to TJANO, then on Transition.
Maintain ATC assigned altitude.

KAHAN TRANSITION (TJANO1.KAHAN)
ZANNI TRANSITION (TJANO1.ZANNI)

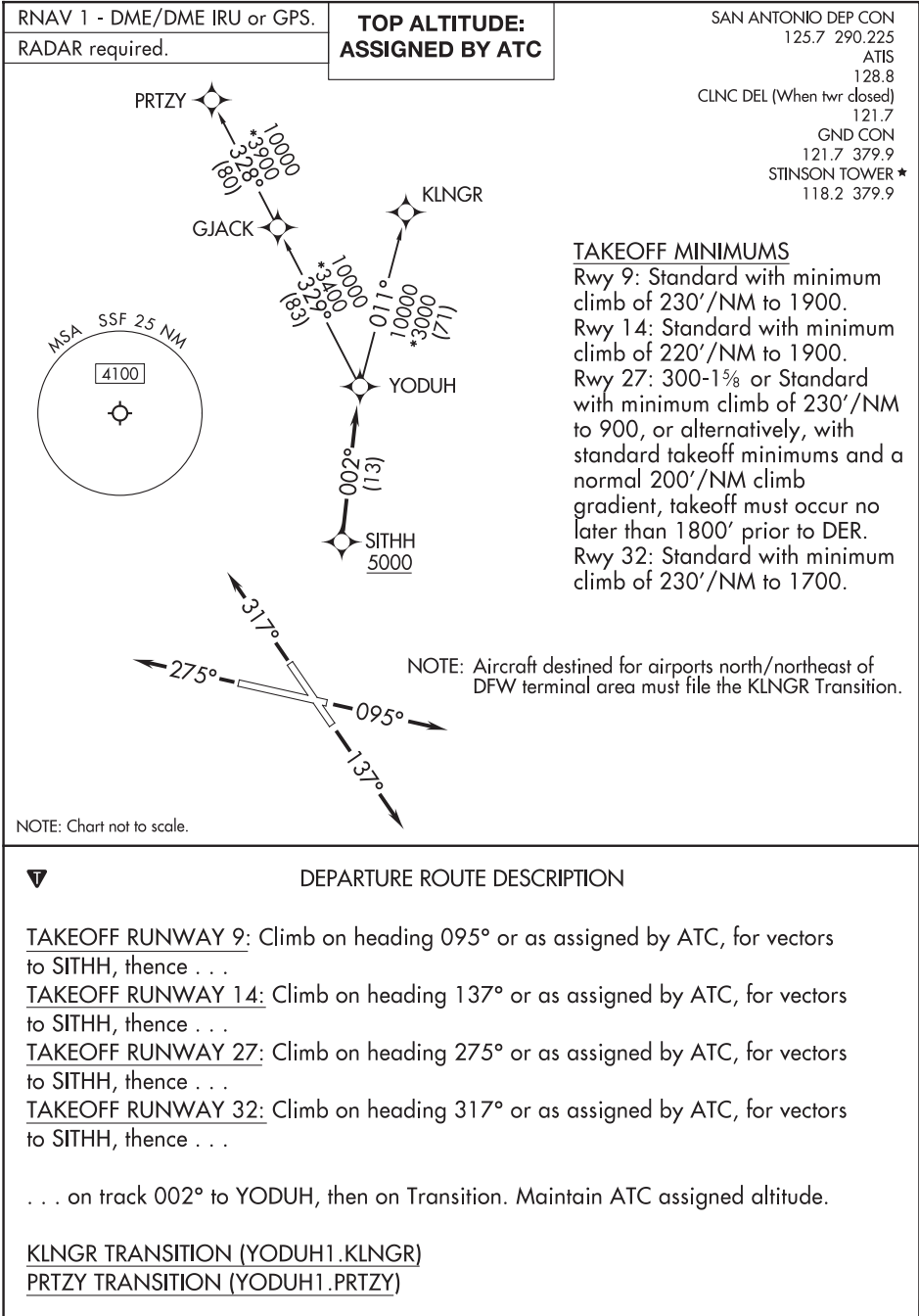
Note: Chart not to scale.

(YODUH1.YODUH) 24025

AL-372 (FAA)

STINSON MUNI (SSF)
SAN ANTONIO, TEXAS

YODUH ONE DEPARTURE (RNAV)



YODUH ONE DEPARTURE (RNAV)

(YODUH1.YODUH) 25JAN24

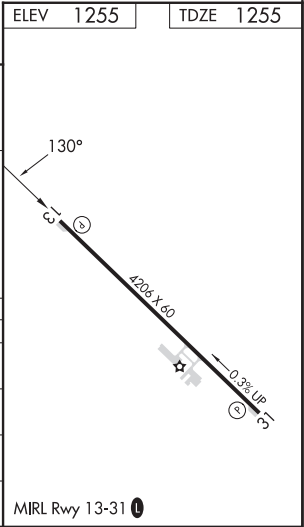
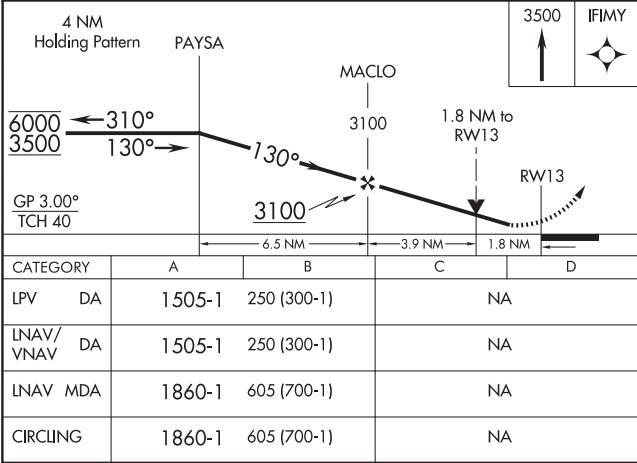
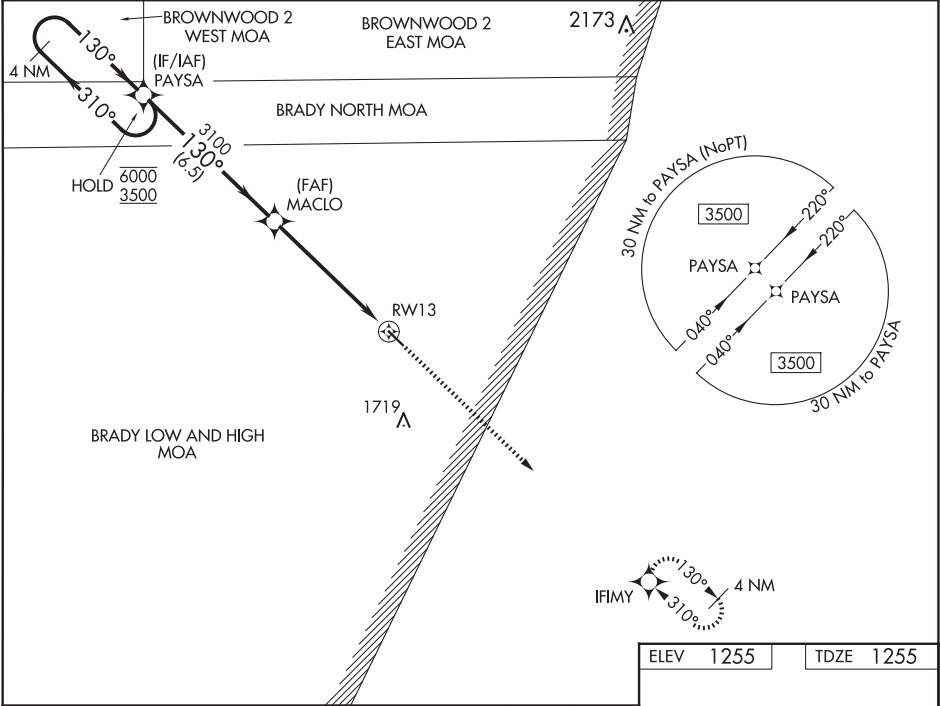
SAN ANTONIO, TEXAS
STINSON MUNI (SSF)

WAAS CH 87144 W13A	APP CRS 130°	Rwy Idg TDZE 1255 Apt Elev 1255
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RNAV (GPS) RWY 13
SAN SABA COUNTY MUNI (81R)

RNP APCH - GPS. ▼ Rwy 13 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.	MISSED APPROACH: Climb to 3500 direct IFIMY and hold.
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AWOS-3P 120.525	HOUSTON CENTER 132.35 317.5	UNICOM 122.8 (CTAF) 0
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SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SAN SABA, TEXAS

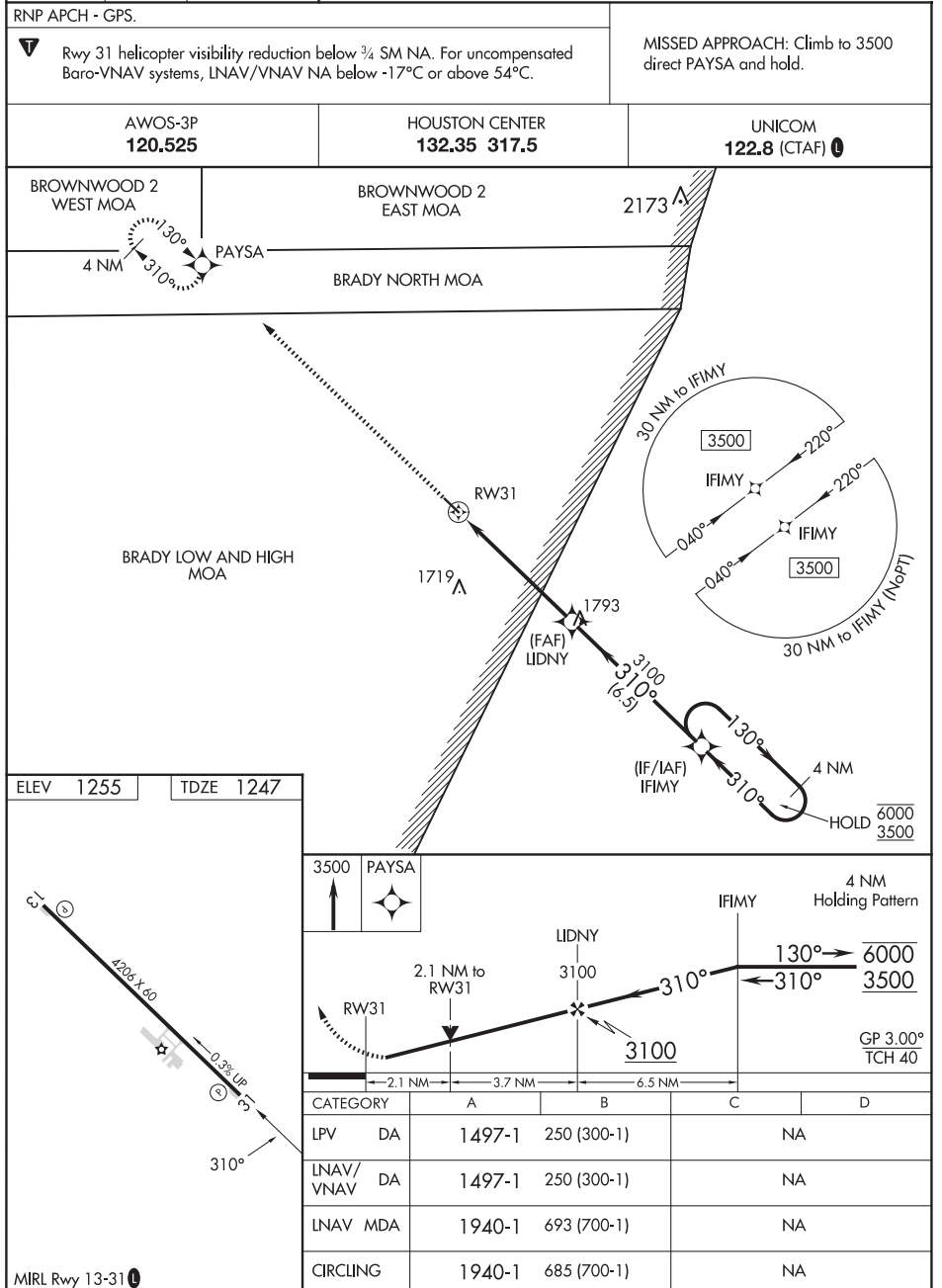
AL-11829 (FAA)

24193

WAAS CH 42944 W31A	APP CRS 310°	Rwy Idg TDZE 1247 Apt Elev 1255	4206
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RNAV (GPS) RWY 31

SAN SABA COUNTY MUNI (81R)



SAN SABA, TEXAS
Orig 30NOV23

31°14'N-98°43'W

SAN SABA COUNTY MUNI (81R)
RNAV (GPS) RWY 31

SC-3, 12 JUN 2025 to 07 AUG 2025

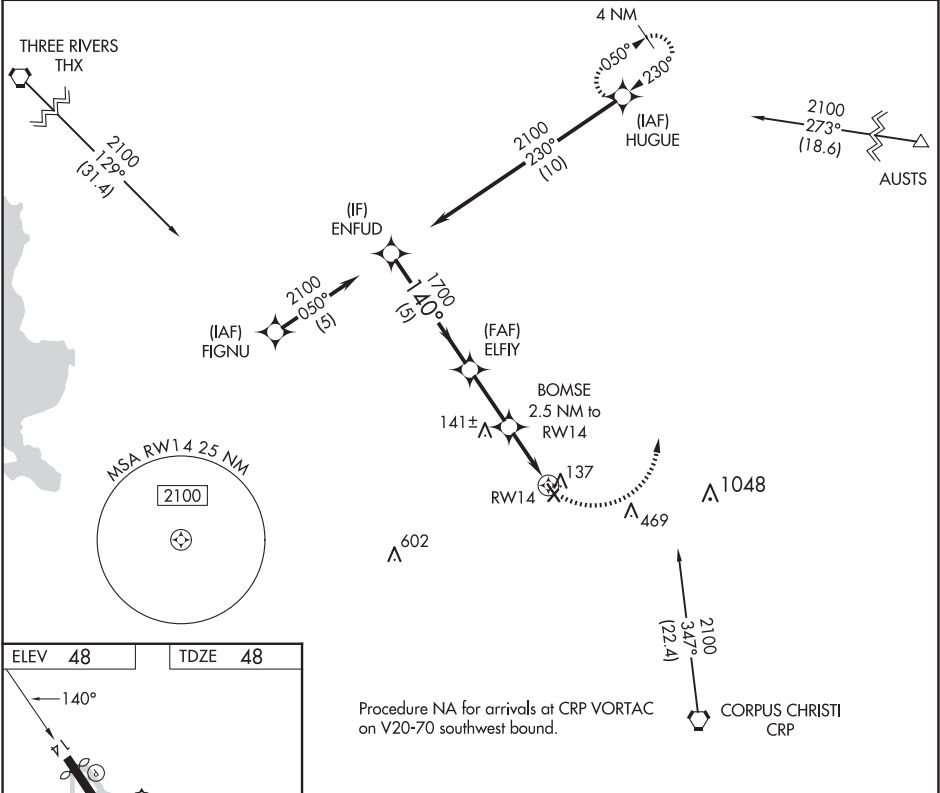
SC-3, 12 JUN 2025 to 07 AUG 2025

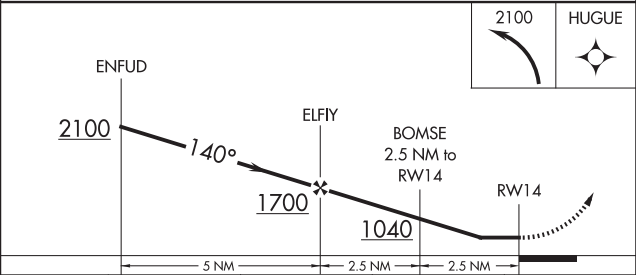
APP CRS	Rwy Idg	4073
140°	TDZE	48
	Apt Elev	48

RNAV (GPS) RWY 14
SINTON (T69)

RNP APCH.	MISSED APPROACH: Climbing left turn to 2100 direct HUGUE and hold.
▼ Procedure NA at night. ▲ Rwy 14 helicopter visibility reduction below 1 SM NA.	

AWOS-3 118.25	CORPUS APP CON 120.9 348.725	UNICOM 122.8 (CTAF) 0
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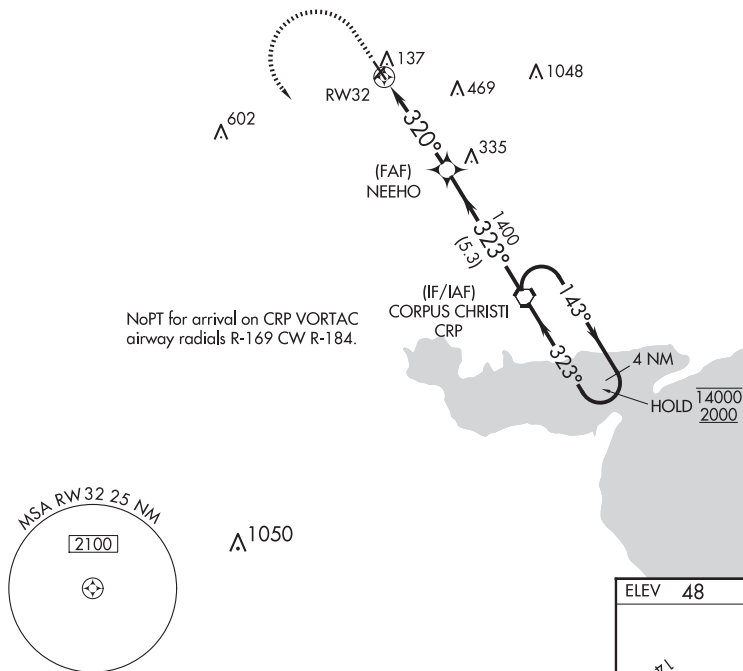
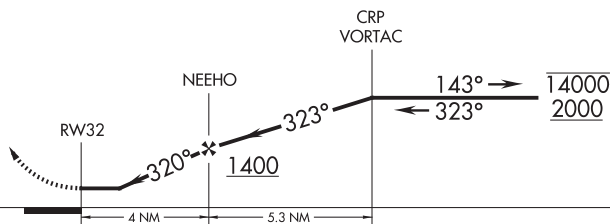
 <div data-bbox="820 1118 987 1208"><div>2100</div><div>HUGUE</div></div>				
CATEGORY	A	B	C	D
LNAV MDA	480-1	432 (500-1)	NA	
CIRCLING	620-1 572 (600-1)	720-1 672 (700-1)	NA	

SC-3, 12 JUN 2025 to 07 AUG 2025

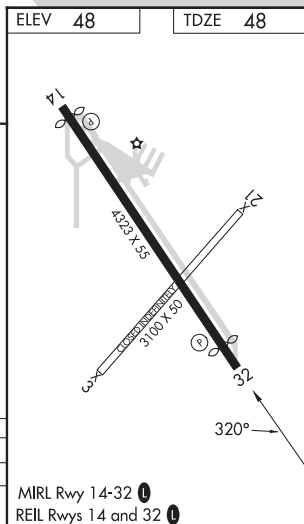
SC-3, 12 JUN 2025 to 07 AUG 2025

RNAV (GPS) RWY 32
SINTON (T69)

122.8 (CTAF) L

4 NM
Holding Pattern

CATEGORY	A	B	C	D
LNNAV MDA	520-1	472 (500-1)		NA
CIRCLING	620-1 572 (600-1)	720-1 672 (700-1)		NA



SINTON (T69)

RNAV (GPS) RWY 32

SC-3, 12 JUN 2025 to 07 AUG 2025

SINTON, TEXAS

AL-5274 (FAA)

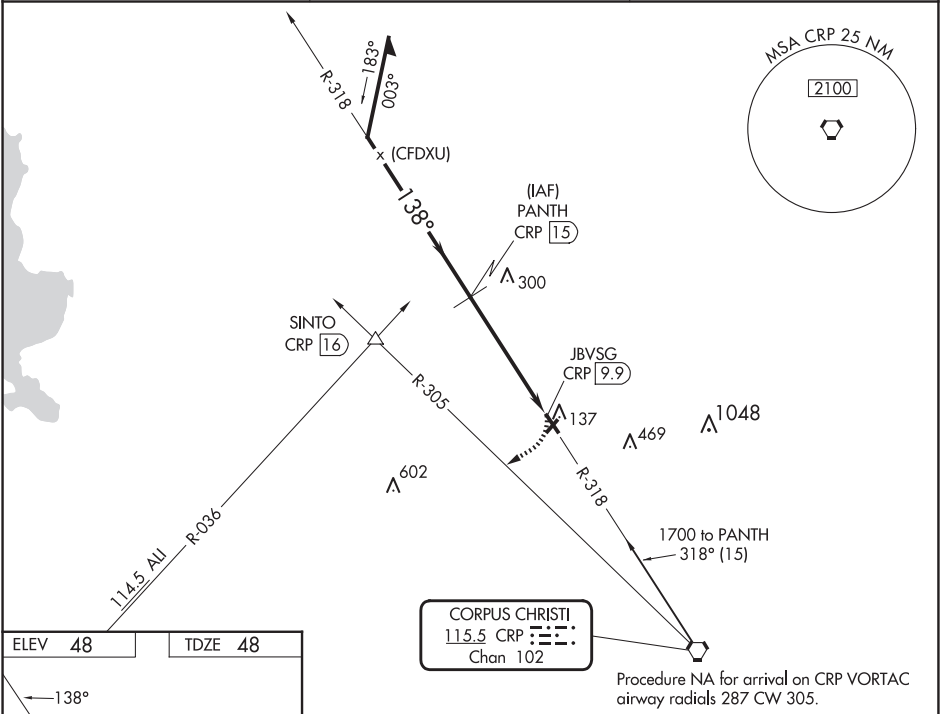
24137

VORTAC CRP	APP CRS	Rwy Idg	4073
115.5	138°	TDZE	48
Chan 102		Apt Elev	48

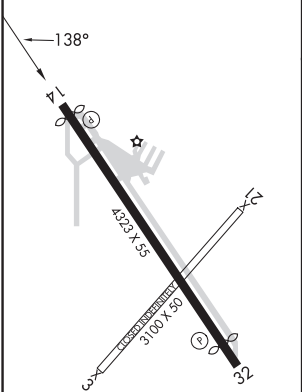
VOR RWY 14
SINTON (T69)

DME required.	MISSED APPROACH: Climbing right turn to 1800 on heading 230° and CRP VORTAC R-305 to SINTO INT/CRP 16 DME.
<div>Procedure NA at night.</div> <div>Rwy 14 helicopter visibility reduction below 1 SM NA.</div>	

AWOS-3 118.25	CORPUS APP CON 120.9 348.725	UNICOM 122.8 (CTAF) 0
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ELEV 48	TDZE 48
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MIRL Rwy 14-32 0
REIL Rwy 14 and 32 0

VGSI and descent angles not coincident (VGSI Angle 3.00°/TCH 19).		1800 hdg 230°	CRP R-305	SINTO △
Remain within 10 NM		PANTH CRP 15		
1700		318°		
1700		138°		
		3.00° TCH 40		
		5.1 NM		
		JBVSG CRP 9.9		
CATEGORY	A	B	C	D
S-14	640-1	592 (600-1)	NA	
CIRCLING	640-1 592 (600-1)	720-1 672 (700-1)	NA	

SINTON, TEXAS
Amd 1C 31DEC20

28°02' N-97°33' W
459

SINTON (T69)
VOR RWY 14

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SMITHVILLE, TEXAS

AL-9361 (FAA)

23166

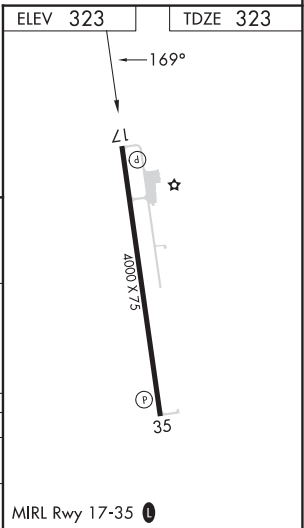
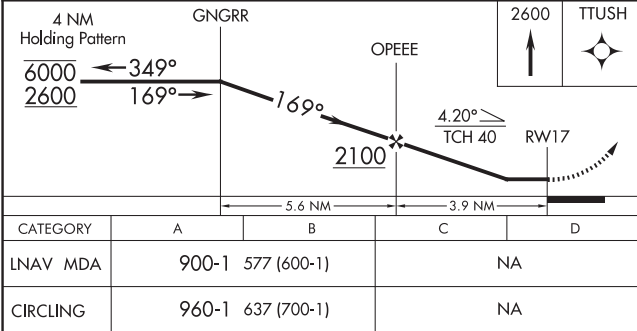
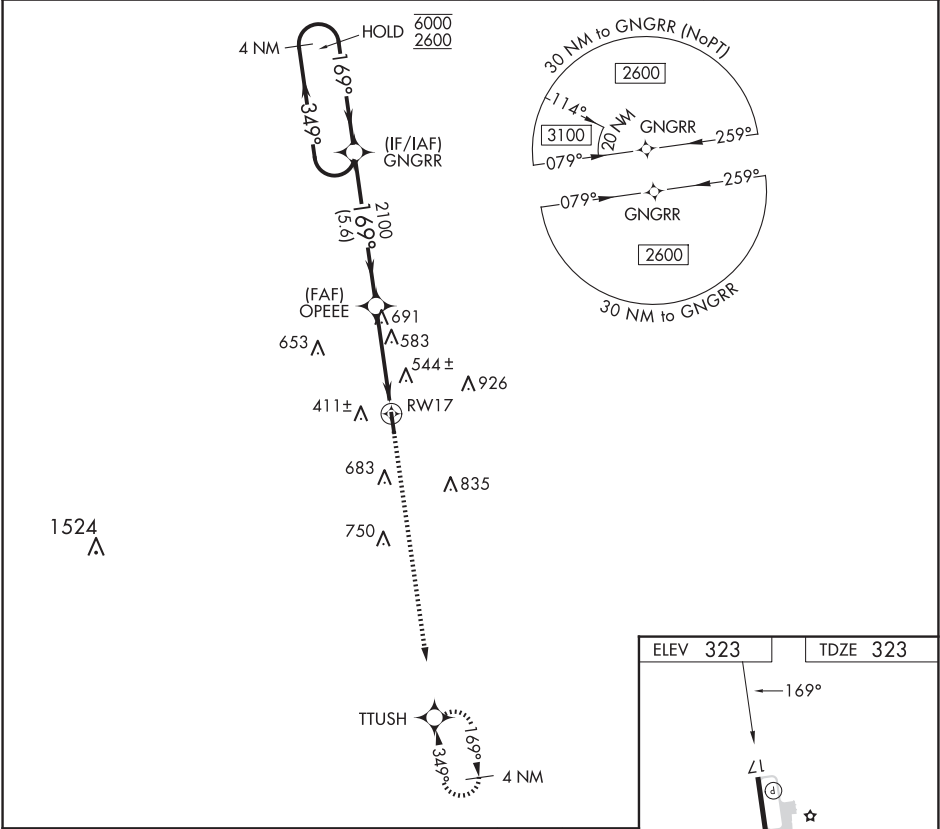
APP CRS	Rwy Idg	4000
169°	TDZE	323
	Apt Elev	323

RNAV (GPS) RWY 17

SMITHVILLE CRAWFORD MUNI (84R)

RNP APCH - GPS.	MISSED APPROACH: Climb to 2600 direct TTUSH and hold.
<div><div>▼</div><div>NA</div></div> <div>Rwy 17 helicopter visibility reduction below 1 SM NA. Straight-in Rwy 17 NA at night, Circling Rwy 17 NA at night.</div>	

GYB AWOS-3 119.225	AUSTIN APP CON 120.875 270.25	CTAF 122.9	123.30
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SMITHVILLE, TEXAS
Orig 15JUN23

30°02'N-97°10'W

SMITHVILLE CRAWFORD MUNI (84R)

RNAV (GPS) RWY 17

SC-3, 12 JUN 2025 to 07 AUG 2025

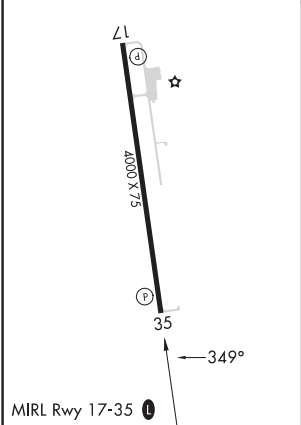
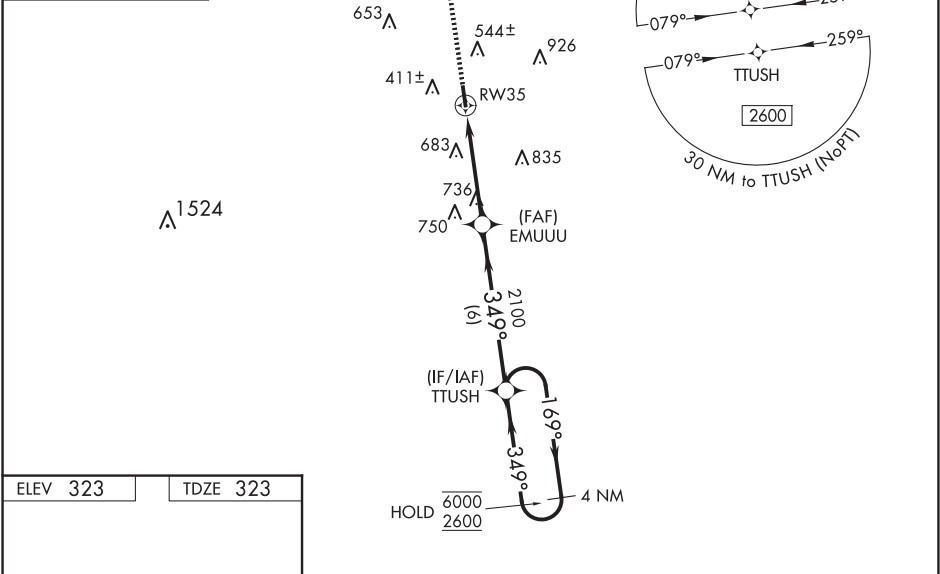
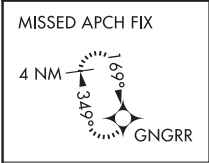
SC-3, 12 JUN 2025 to 07 AUG 2025




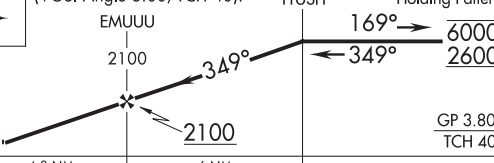
WAAS CH 99744 W35A	APP CRS 349°	Rwy Idg 4000 TDZE 323 Apt Elev 323
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RNAV (GPS) RWY 35
SMITHVILLE CRAWFORD MUNI (84R)

RNP APCH - GPS.	MISSED APPROACH: Climb to 2600 direct GNGRR and hold.
NA	Circling Rwy 17 NA at night. Rwy 35 helicopter visibility reduction below 1 SM NA. Baro-VNAV NA.

GYB AWOS-3 119.225	AUSTIN APP CON 120.875 270.25	CTAF 122.9	123.30
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2600	GNGRR	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 40).		4 NM Holding Pattern	
		EMUUU	2100	TTUSH	
					
		4.3 NM	6 NM		
				GP 3.80° TCH 40	
CATEGORY		A	B	C	D
LPV	DA	648-1 325 (400-1)		NA	
LNAV/ VNAV	DA	827-1 $\frac{3}{8}$ 504 (600-1 $\frac{3}{8}$)		NA	
LNAV	MDA	1040-1 717 (800-1)		NA	
CIRCLING		1040-1 717 (800-1)		NA	

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SONORA, TEXAS

AL-6360 (FAA)

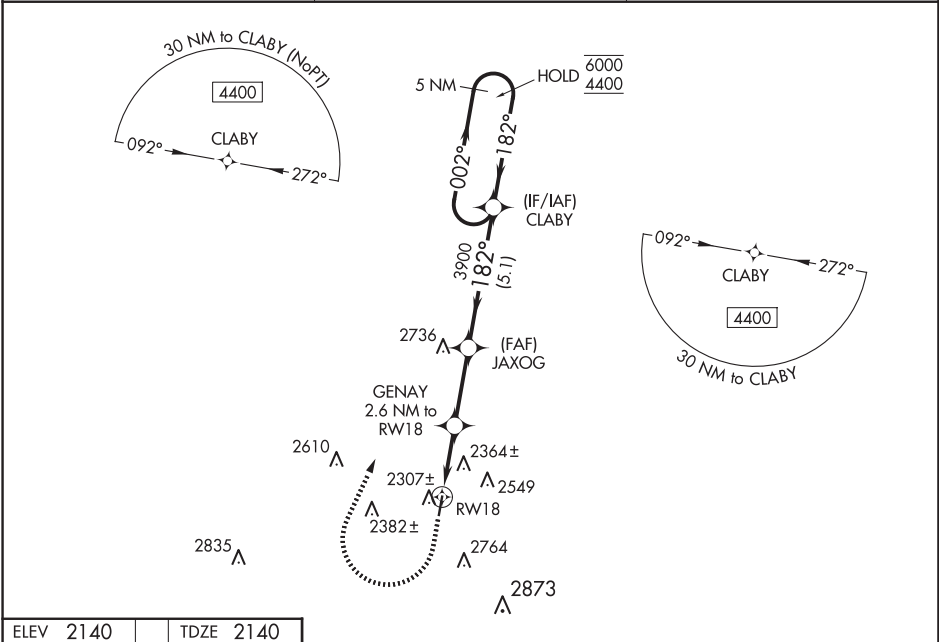
24137

WAAS CH 72645 W18A	APP CRS 182°	Rwy Idg 3944 TDZE 2140 Apt Elev 2140
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RNAV (GPS) RWY 18
SONORA MUNI (SOA)

RNP APCH-GPS.	MISSED APPROACH: Climb to 2700 then climbing right turn to 4400 direct CLABY and hold.
<div><div>▼</div><div>▲</div></div> <div>Circling Rwy 36 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C or above 54°C.</div>	

AWOS-3 118.075	HOUSTON CENTER 125.75 346.4	UNICOM 122.8 (CTAF) ①
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ELEV 2140	TDZE 2140	2700	4400	CLABY	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 25).
<div><div>81</div><div>182°</div><div>4037 X 60</div><div>36</div><div>MIRL Rwy 18-36</div><div>REIL Rwy 18 and 36 ①</div></div>					
<div><div>2700</div><div>4400</div><div>CLABY</div><div>JAXOG</div><div>GENAY 2.6 NM to RW18</div><div>1.6 NM to RW18</div><div>RW18</div><div>3000</div><div>3900</div><div>CLABY</div><div>5 NM Holding Pattern</div><div>002°</div><div>182°</div><div>6000</div><div>4400</div><div>GP 3.00°</div><div>TCH 40</div></div>					
CATEGORY	A	B	C	D	
LPV DA	2425-1	285 (300-1)	NA	NA	
LNAV/VNAV DA	2691-1 ⁵ / ₈	551 (600-1 ⁵ / ₈)	NA	NA	
LNAV MDA	2680-1	540 (600-1)	NA	NA	
◼ CIRCLING	3040-1 ¹ / ₄ 900 (900-1 ¹ / ₄)	3080-1 ¹ / ₄ 940 (1000-1 ¹ / ₄)	NA	NA	

SONORA, TEXAS

Orig 05OCT23

30°35'N-100°39'W

SONORA MUNI (SOA)
RNAV (GPS) RWY 18

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 90535 W17A	APP CRS 174°	Rwy Idg 4000 TDZE 600 Apt Elev 600
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RNAV (GPS) RWY 17

TAYLOR MUNI (T74)

RNP APCH

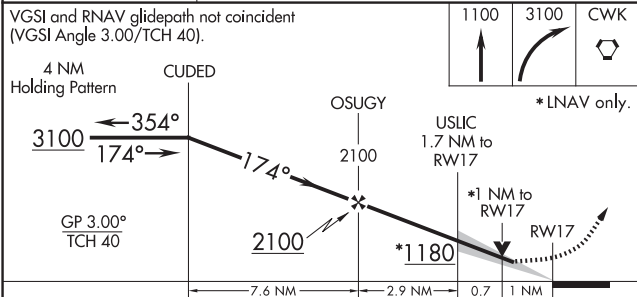
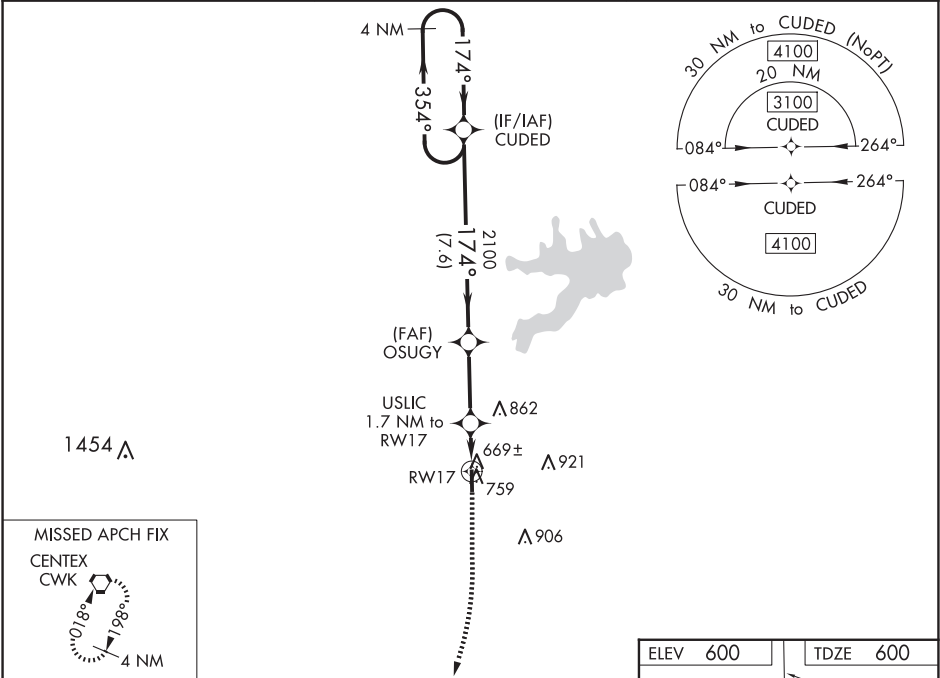
▼

▲

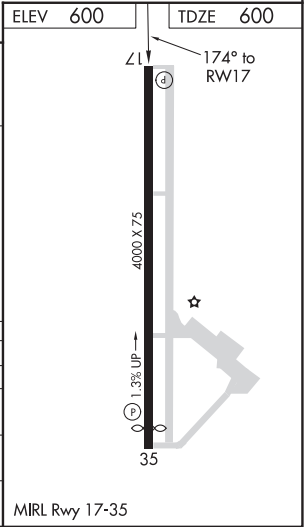
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16C or above 54C. When local altimeter setting not received, use Austin Exec altimeter setting and increase all DA to 914 feet and all MDA 40 feet. VDP and Baro-VNAV NA when using Austin Exec altimeter setting.

MISSED APPROACH: Climb to 1100 then climbing right turn to 3100 direct CWK VORTAC and hold.

AWOS-3PT 119.75	AUSTIN APP CON 127.225 317.65	UNICOM 122.8 (CTAF)
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CATEGORY	A	B	C	D
LPV DA	882-7/8	282 (300-7/8)		NA
LNAV/VNAV DA	882-7/8	282 (300-7/8)		NA
LNAV MDA	960-1	360 (400-1)		NA
CIRCLING	1100-1	500 (500-1)		NA



TAYLOR, TEXAS

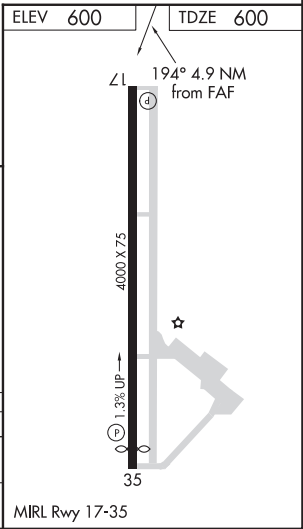
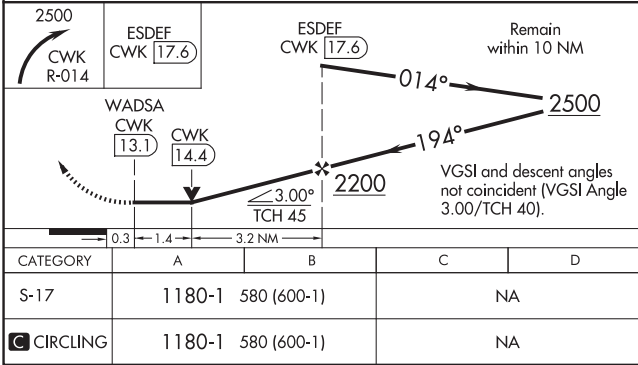
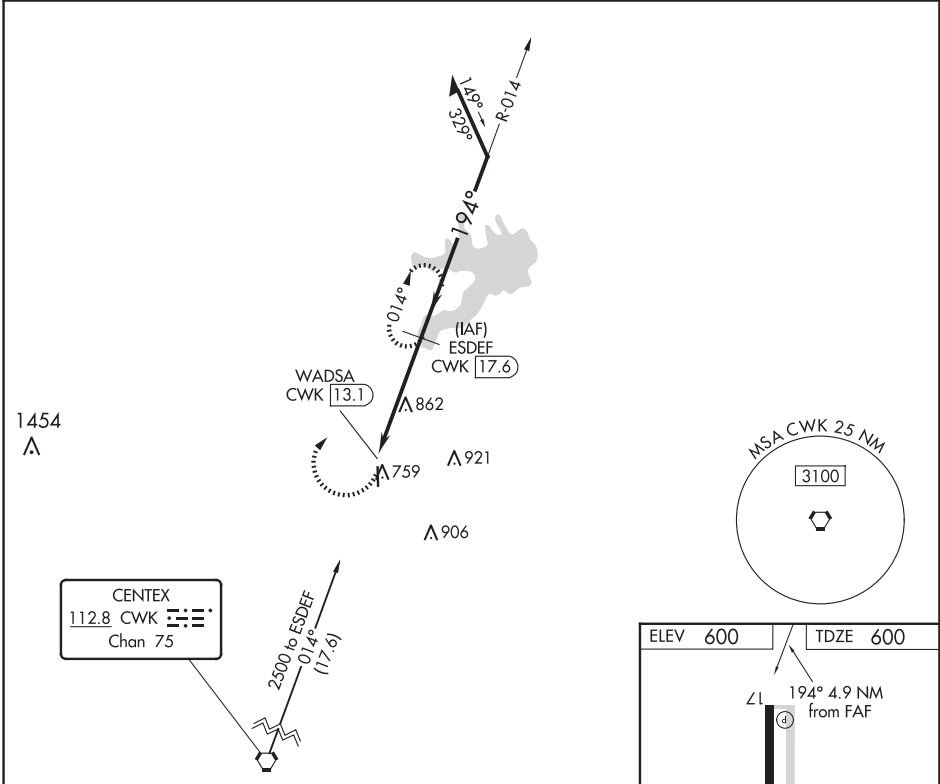
AL-6938 (FAA)

21112

VORTAC CWK	APP CRS	Rwy Idg	4000
112.8	194°	TDZE	600
Chan 75		Apt Elev	600

VOR RWY 17
TAYLOR MUNI (T74)

DME required. <div><div></div> Circling Rwy 35 NA at night. Rwy 17 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Austin Exec altimeter setting and increase all MDA 40 feet. VDP NA when using Austin Exec altimeter setting.</div>		MISSED APPROACH: Climbing right turn to 2500 on CWK VORTAC R-014 to ESDEF/17.6 DME and hold.
AWOS-3PT 119.75	AUSTIN APP CON 127.225 317.65	UNICOM 122.8 (CTAF)



TAYLOR, TEXAS
Amdt 1E 08OCT20

30°34' N-97°27' W

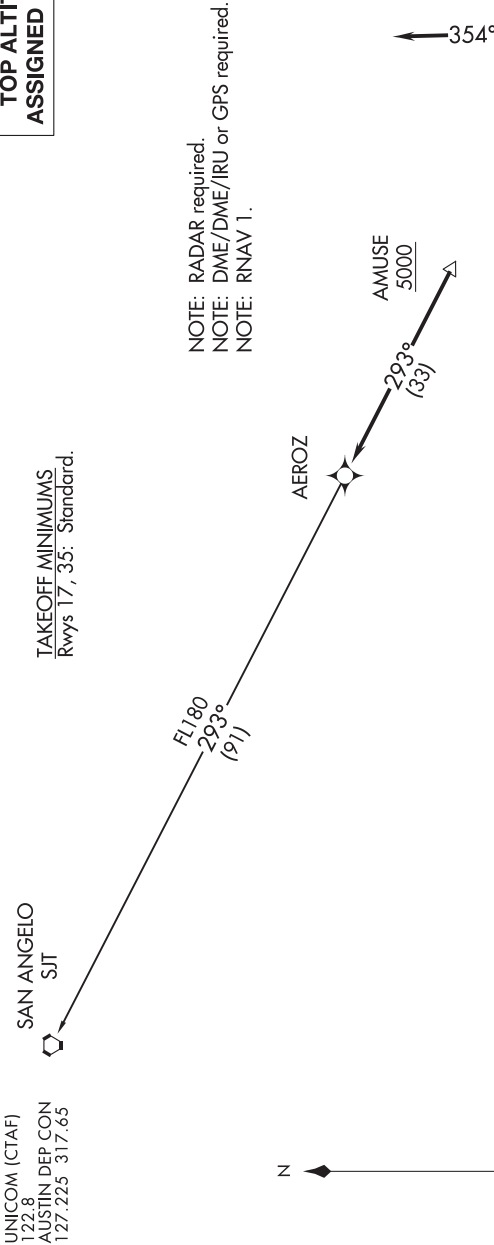
TAYLOR MUNI (T74)
VOR RWY 17

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

TOP ALTITUDE:
ASSIGNED BY ATC



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 174° or as assigned by ATC for vectors to cross AMUSE at or above 5000, thence....

TAKEOFF RUNWAY 35: Climb on heading 354° or as assigned by ATC for vectors to cross AMUSE at or above 5000, thence....

... on track 293° to AEROZ, then on SAN ANGELO TRANSITION. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

SAN ANGELO TRANSITION (AEROZ2.SJT)

SC-3, 12 JUN 2025 to 07 AUG 2025

(BNDIA3.BNDIA) 21112

BNDIA THREE DEPARTURE (RNAV)

466

AL-6938 (FAA)

TAYLOR MUNI (T74)

TAYLOR, TEXAS

UNICOM (CTAF)
122.8
AUSTIN DEP CON
127.225 317.65

TOP ALTITUDE:
ASSIGNED BY ATC

TAKEOFF MINIMUMS:
Rwys 17, 35: Standard.

GARDS
5000



224°
(36)



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV-1.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 174° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....
TAKEOFF RUNWAY 35: Climb on heading 354° or as assigned by ATC for vectors to cross GARDS at or above 5000, thence....

... on track 224° to BNDIA. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

BNDIA THREE DEPARTURE (RNAV)

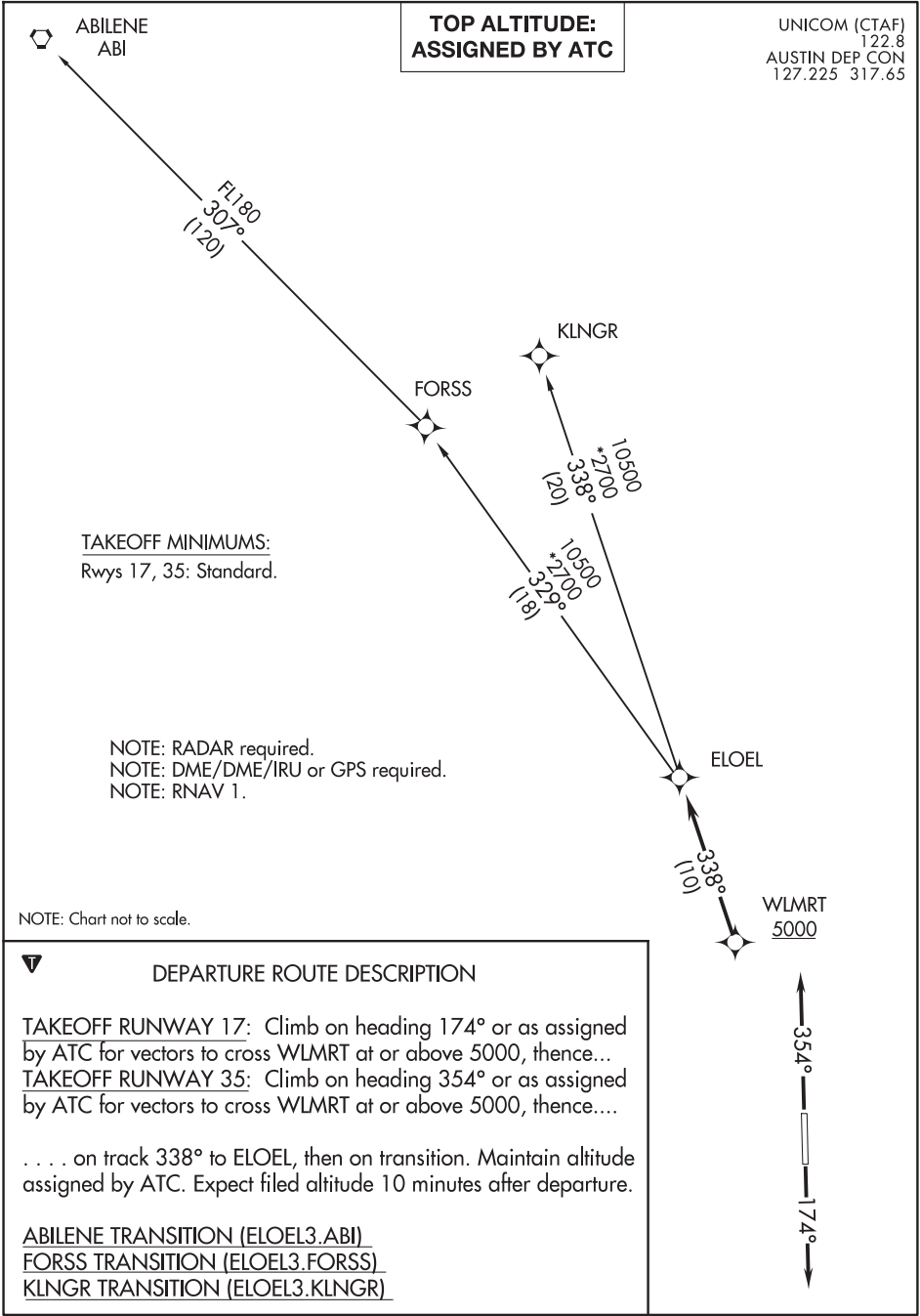
(BNDIA3.BNDIA) 22APR21

TAYLOR, TEXAS

TAYLOR MUNI (T74)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

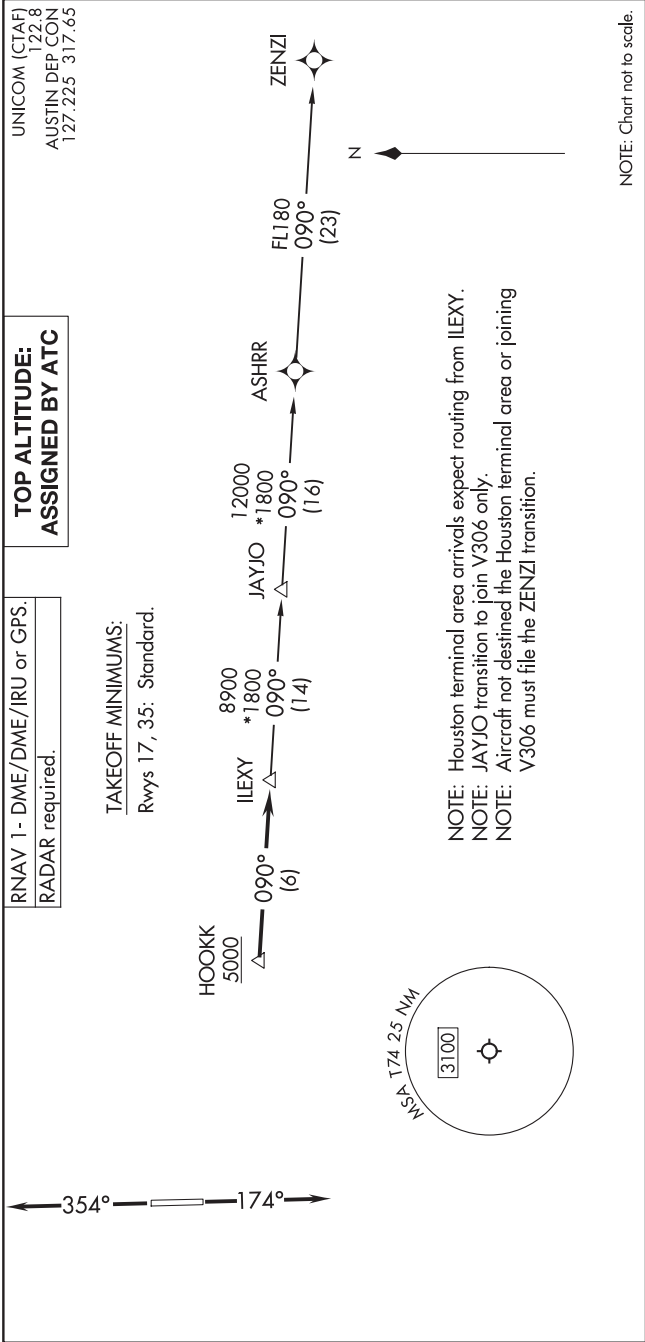
SC-3, 12 JUN 2025 to 07 AUG 2025

(ILEXY4.ILEXY) 23166

ILEXY FOUR DEPARTURE (RNAV)

AL-6938 (FAA)

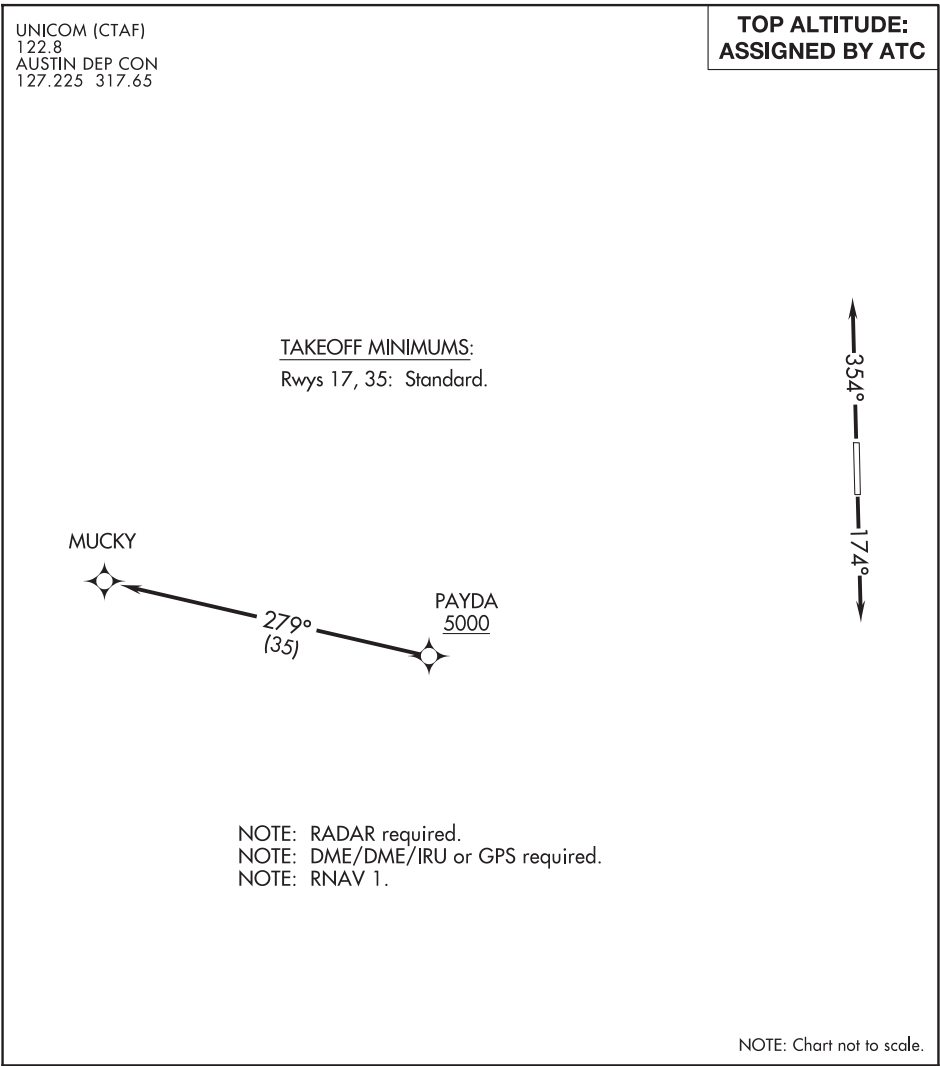
TAYLOR MUNI (T74)
TAYLOR, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 174° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence, . . .
TAKEOFF RUNWAY 35: Climb on heading 354° or as assigned by ATC for vectors to cross HOOKK at or above 5000, thence, . . .
. . . on track 090° to ILEXY, then on transition. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

JAYJO TRANSITION (ILEXY4.JAYJO)
ZENZI TRANSITION (ILEXY4.ZENZI)



▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 174° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 354° or as assigned by ATC for vectors to cross PAYDA at or above 5000, thence. . . .

. . . . on track 279° to MUCKY. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

(SAYBR3.SAYBR) 21112

SAYBR THREE DEPARTURE (RNAV)

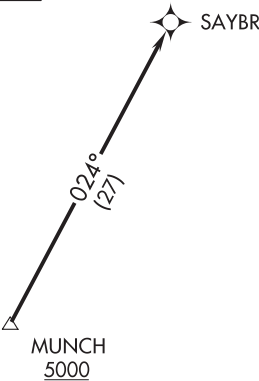
AL-6938 (FAA)

TAYLOR MUNI (T74)

TAYLOR, TEXAS

UNICOM (CTAF)
122.8
AUSTIN DEP CON
127.225 317.65

TOP ALTITUDE:
ASSIGNED BY ATC



- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: For DFW terminal area arrivals at FL230 or below only.

TAKEOFF MINIMUMS
Rwys 17, 35: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 174° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .
TAKEOFF RUNWAY 35: Climb on heading 354° or as assigned by ATC for vectors to cross MUNCH at or above 5000, thence. . . .

. . . .on track 024° to SAYBR. Maintain altitude assigned by ATC.
Expect filed altitude 10 minutes after departure.

SAYBR THREE DEPARTURE (RNAV)

(SAYBR3.SAYBR) 22APR21

TAYLOR, TEXAS

TAYLOR MUNI (T74)

ILS or LOC RWY 16
DRAUGHON-MILLER CENTRAL TEXAS RGNL (TPTL)

MALSR
A5

MISSED APPROACH: Climb to 1100 then continue climb to 3600 on heading 160° and on ACT VORTAC R-181 to CONRA INT/ACT 40.2 DME and hold, continue climb-in-hold to 3600.

ELEV 682 D TDZE 682

160°

91

A5

7000 X 1500

4740 X 1100

34

3

739

MIRA Rwy 3-21

MIRA Rwy 16-34

FAF to MAP 3 NM

	Knots	60	90	120	150	180
Min:Sec	3:00	2:00	1:30	1:12	1:00	

WAAS
CH **82401**
W34A

APP CRS
340°

Rwy Idg
TDZE
Apt Elev
7000
674
682

RNAV (GPS) RWY 34

DRAUGHON-MILLER CENTRAL TEXAS RGNL (TPL)

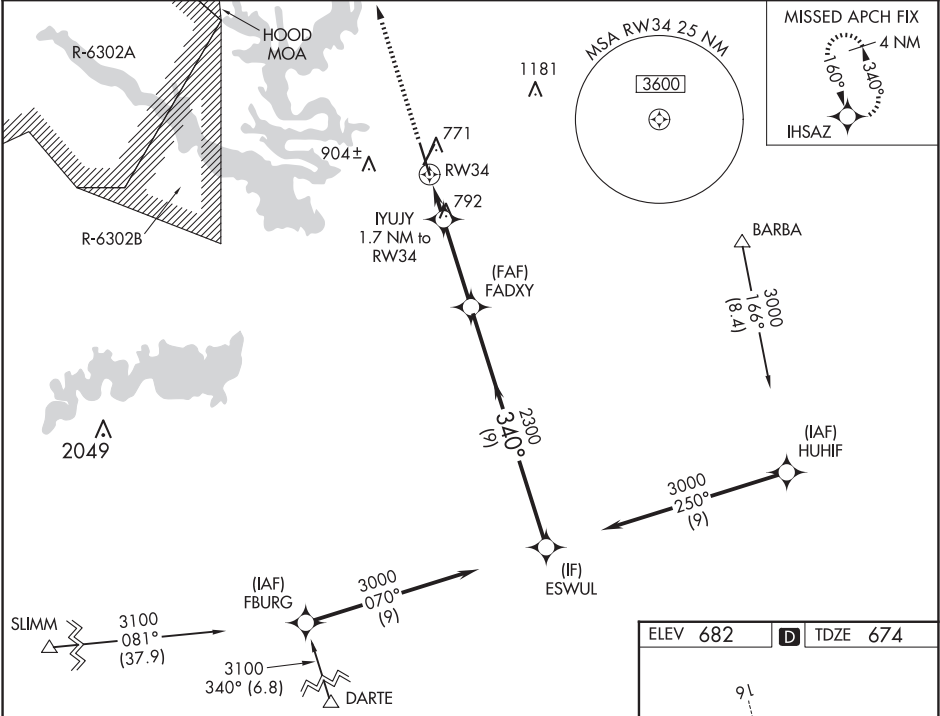
RNP APCH.

▼

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C .

MISSED APPROACH: Climb to 3000 direct ILSA Z and hold.

AWOS-3PT 134.975	GRAY APP CON 120.075 370.0	CLNC DEL 125.9	UNICOM 123.0 (CTAF) 0
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3000

↑

IHS AZ

✦

VGSI and RNAV glidepath not coincident

(VGSI Angle 3.00/TCH 34).

ESWUL

3000

IYUJY

1.7 NM to RW34

FADXY

2300

1.1 NM to RW34

1260

340°

2300

RW34

1.1 NM

0.6

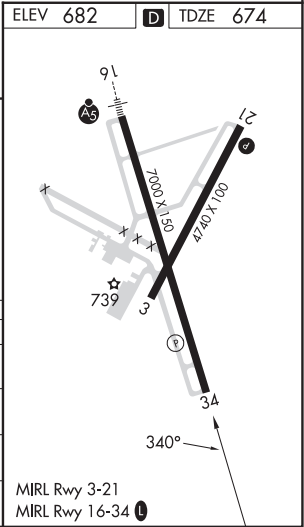
3.3 NM

9 NM

GP 3.00°

TCH 50

CATEGORY	A	B	C	D
LPV DA	874-¾		200 (200-¾)	
LNAV/VNAV DA	924-¾		250 (300-¾)	
LNAV MDA	1060-1	386 (400-1)	1060-1⅛	386 (400-1⅛)
CIRCLING	1140-1 458 (500-1)	1200-1 518 (600-1)	1280-1½ 598 (600-1½)	1420-2¼ 738 (800-2¼)



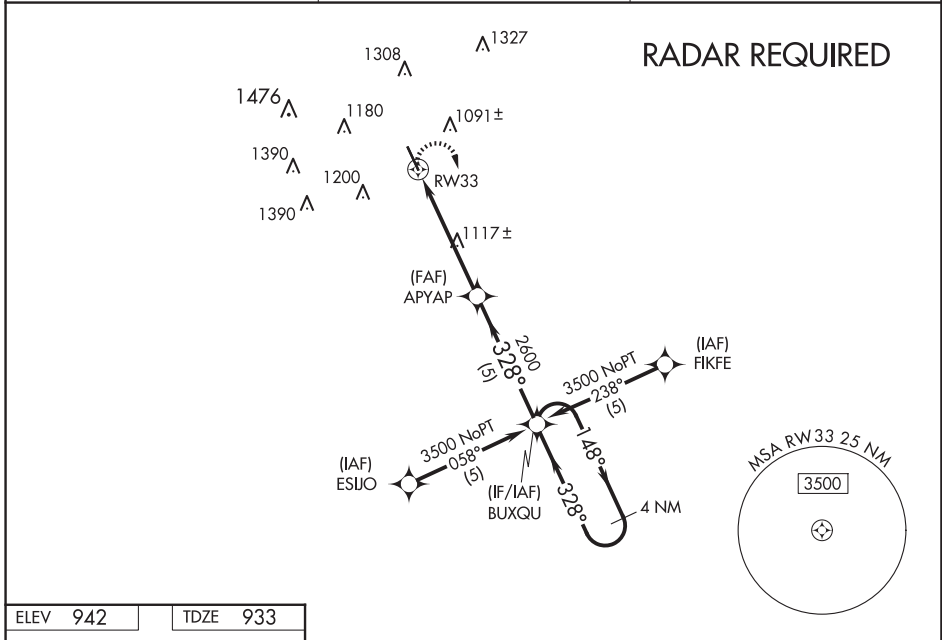
APP CRS 328°	Rwy Idg 5256 TDZE 933 Apt Elev 942
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RNAV (GPS) RWY 33

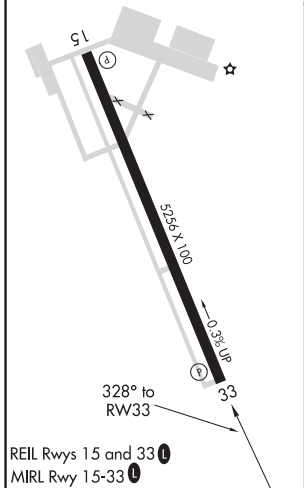
GARNER FLD (UVA)

<p>⚠</p> <p>When local altimeter setting not received, use South Texas Rgnl at Hondo altimeter setting and increase all MDA 100 feet; increase LNAV Cat C/D and Circling Cat C/D visibility ¼ SM. DME/DME RNP-0.3 NA.</p>	<p>MISSED APPROACH: Climbing right turn to 3500 direct BUXQU WP and hold.</p>
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AWOS-3 124.175	HOUSTON CENTER 134.95 269.4	UNICOM 122.8 (CTAF) 0
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ELEV 942	TDZE 933
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3500	BUXQU	VGSI and descent angle not coincident (VGSI Angle 3.00/TCH 35).		4 NM Holding Pattern

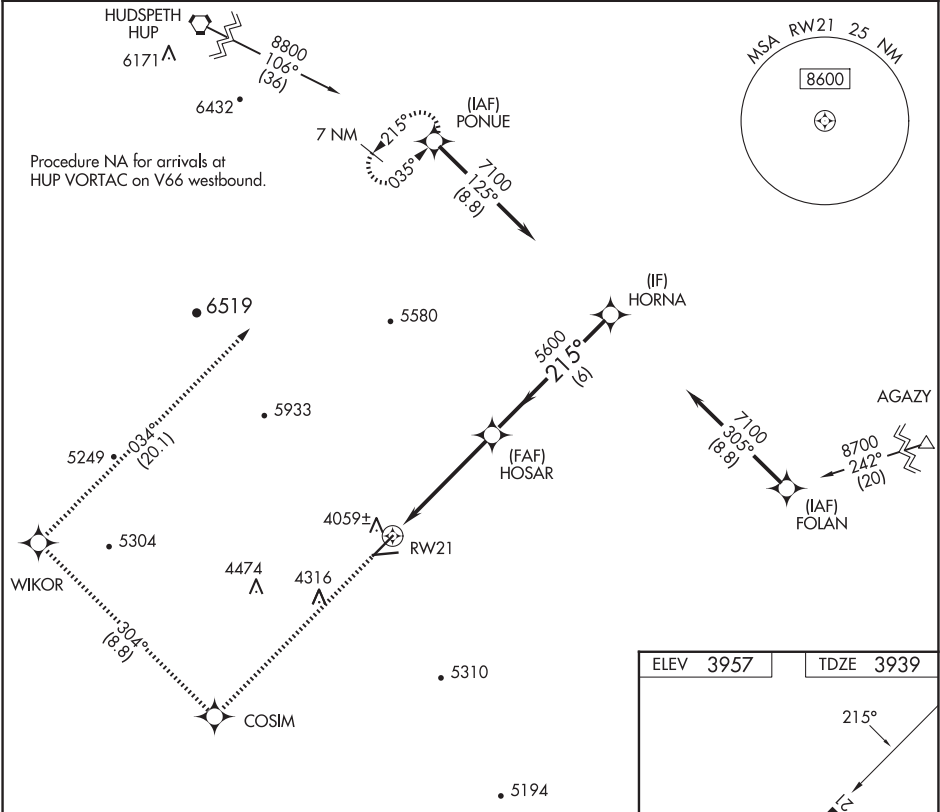
APP CRS	Rwy Idg	6005
215°	TDZE	3939
	Apt Elev	3957

RNAV (GPS) RWY 21

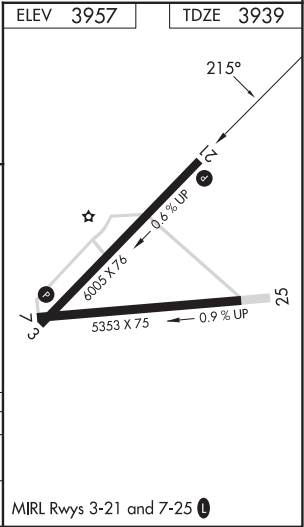
CULBERSON COUNTY (VHN)

RNP APCH.	MISSED APPROACH: Climb to 8800 direct COSIM and on track 304° to WIKOR and on track 034° to PONUE and hold.
Circling to Rwy 7, 25 NA at night. Circling NA south of Rwy 25 and southeast of Rwy 3.	

AWOS-3PT 119.925	ALBUQUERQUE CENTER 135.875 292.15	CTAF 122.9 0
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8800	COSIM	tr 304°	WIKOR	tr 034°	PONUE
CATEGORY	A	B	C	D	
LNAV MDA	4400-1	461 (500-1)	4400-1 $\frac{3}{8}$	461 (500-1 $\frac{3}{8}$)	
CIRCLING	4440-1 483 (500-1)	4540-1 583 (600-1)	4640-2 683 (700-2)	5580-3 1623 (1700-3)	



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WACO, TEXAS

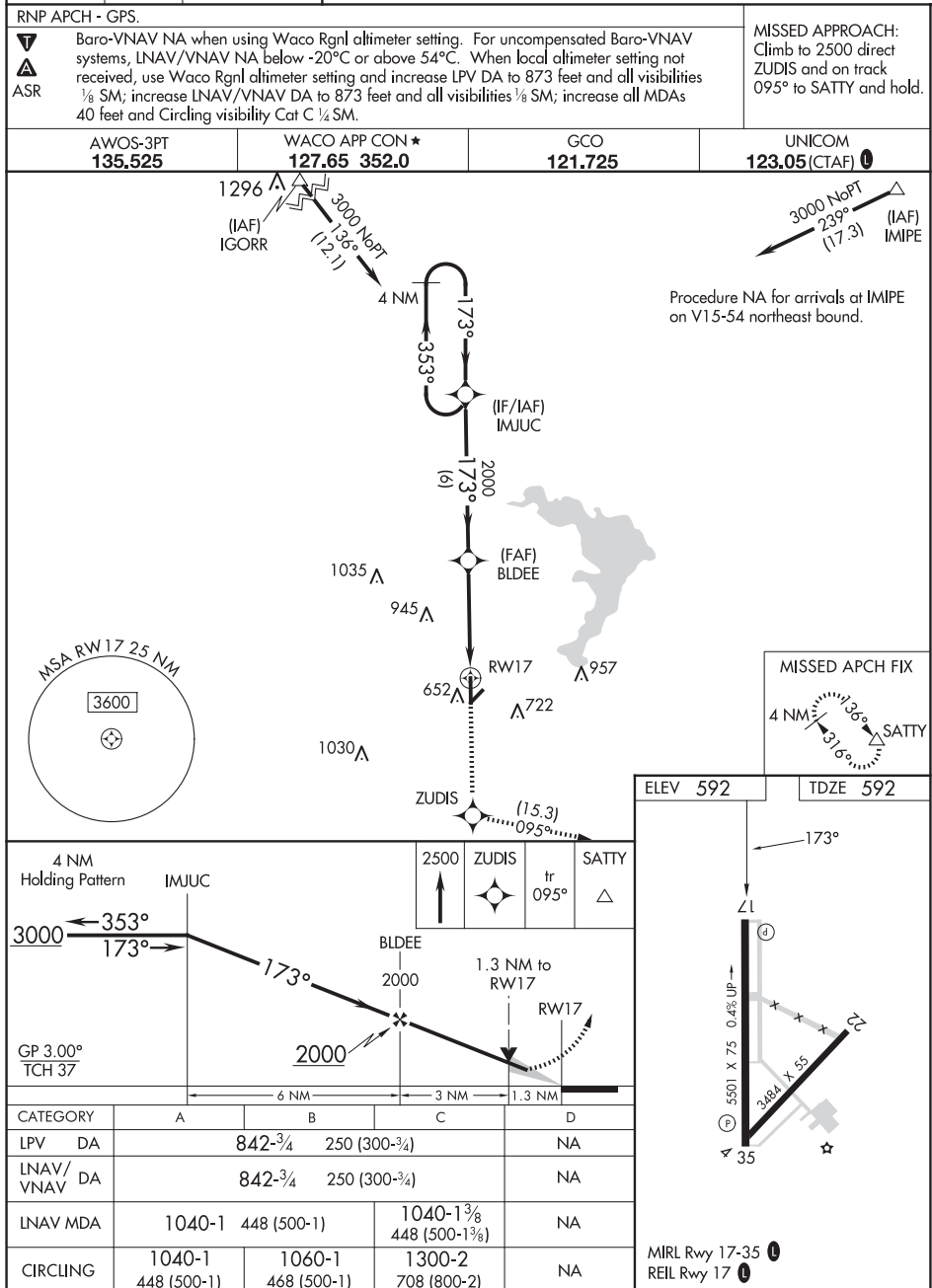
AL-5441 (FAA)

24249

WAAS CH 63230 W17A	APP CRS 173°	Rwy Idg TDZE Apt Elev	5501 592 592
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RNAV (GPS) RWY 17

MC GREGOR EXEC (PWG)



WACO, TEXAS

Amdt 1C 15JUN23

31°29'N-97°19'W

MC GREGOR EXEC (PWG)

RNAV (GPS) RWY 17

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 87130 W35A	APP CRS 353°	Rwy Idg 5501 TDZE 580 Apt Elev 592
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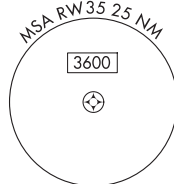
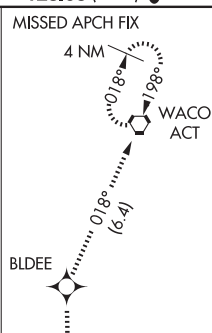
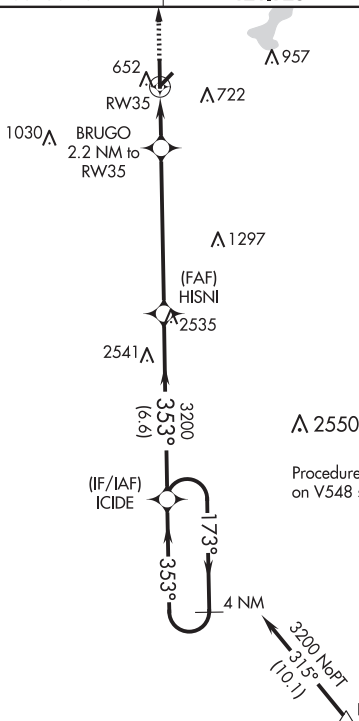
RNAV (GPS) RWY 35
MC GREGOR EXEC (PWG)

RNP APCH - GPS	
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T Baro-VNAV NA when using Waco Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. When local altimeter setting not received, use Waco Rgnl altimeter setting and increase LPV DA to 861 feet; increase LNAV/VNAV DA to 861 feet; increase all MDAs 40 feet and LNAV visibility Cat B ¼ SM, and Circling visibility Cat B/C ¼ SM. Rwy 35 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2500 direct BLDEE and on track 018° to ACT VORTAC and hold.

AWOS-3PT 135.525	WACO APP CON ★ 127.65 352.0	GCO 121.725	UNICOM 123.05 (CTAF)
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ELEV 592		TDZE 580
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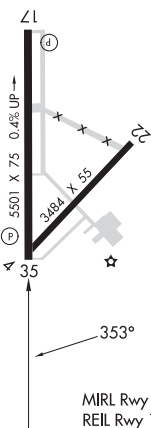
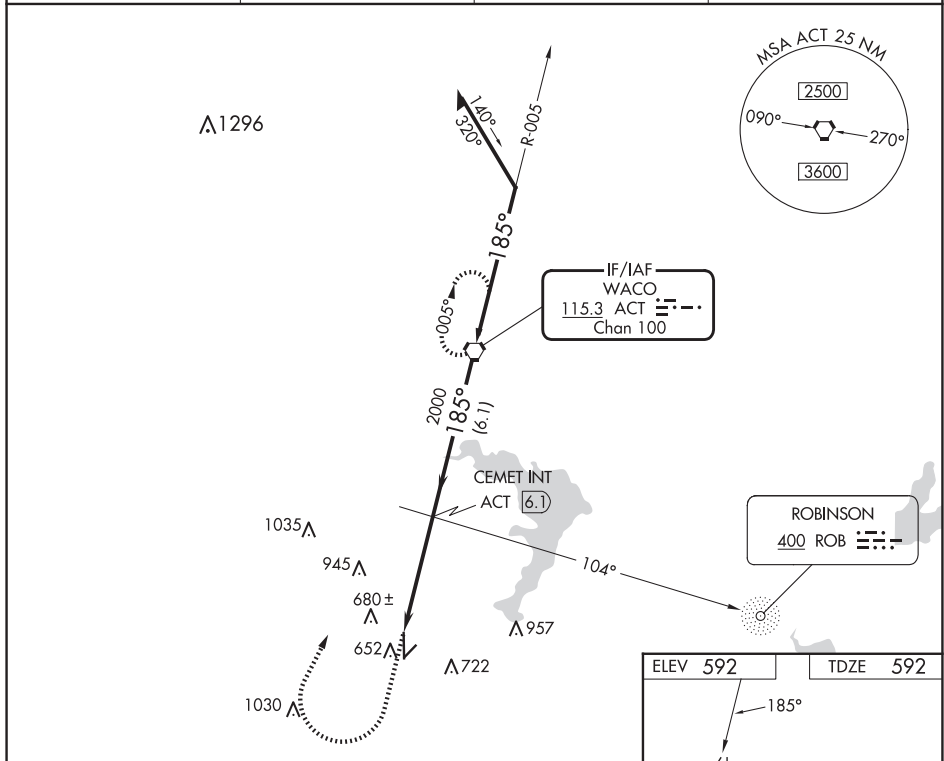


Figure 1 illustrates a 4 NM Holding Pattern. The diagram shows a holding pattern with a 4 NM radius. Key parameters include: 2500, BLDEE, ACT, tr 018°, 3200, HIRSI, ICIDE, 4 NM Holding Pattern, 3200, 353°, 173°, 3200, GP 3.00°, TCH 46, 1300, 2.2 NM to RW35, 5.9 NM, 6.6 NM, 2.2 NM, 2500, 3200, 353°, 173°, 3200, GP 3.00°, TCH 46, 1300, 2.2 NM, 5.9 NM, 6.6 NM, 2.2 NM.

VOR RWY 17
MC GREGOR EXEC (PWG)

MISSED APPROACH: Climb to 1000 then climbing right turn to 4000 direct ACT VORTAC and hold, continue climb-in-hold to 4000.

AWOS-3PT 135.525	WACO APP CON ★ 127.65 352.0	GCO 121.725	UNICOM 123.05 (CTAF) ①
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1000 4000 ACT

VGS1 and descent angles not coincident
(VGS1 Angle 3.00/TCH 36).

Remain within 10 NM

ACT VORTAC

005°

185°

2100

2000 2000


ACT 9.3

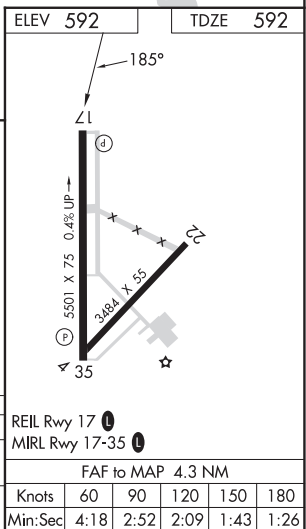
CEMET INT ACT 6.1

3.00°

TCH 45

1.1 3.2 NM 6.1 NM

CATEGORY	A	B	C	D
S-17	980-1	388 (400-1)	980-1 $\frac{1}{8}$ 388 (400-1 $\frac{1}{8}$)	NA
 CIRCLING	980-1 388 (400-1)	1060-1 468 (500-1)	1300-2 708 (800-2)	NA



SC-3, 12 JUN 2025 to 07 AUG 2025

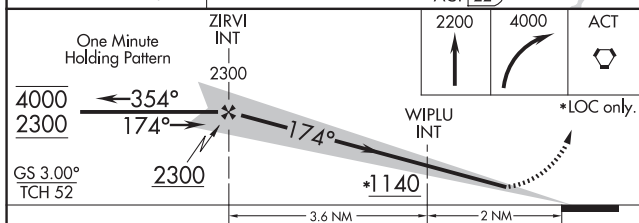
ILS or LOC RWY 17L
TSTC WACO (CNW)

MALSR

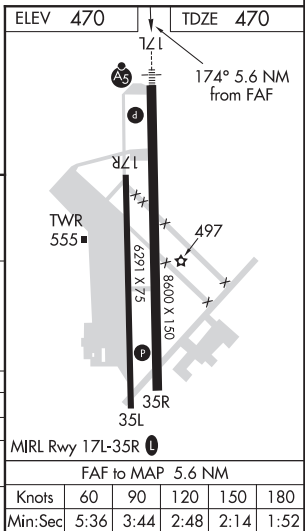
MISSED APPROACH: Climb to 2200 then climbing right turn to 4000 direct ACT VORTAC and hold.
(TACAN aircraft continue on ACT VORTAC R-305 to IGORR /ACT 14 DME and hold SE. RT. 305° inbound)

ROB
400 R

1297
A



CATEGORY	A	B	C	D	E
S-ILS 17L	670-1½ 200 (200-½)				
S-LOC 17L	860-½ 390 (400-½)	860-5/8 390 (400-5/8)			
C CIRCLING	940-1 470 (500-1)	1040-1 570 (600-1)	1040-1½ 570 (600-1½)	1120-2 650 (700-2)	1180-2½ 710 (800-2½)



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WACO, TEXAS

AL-579 (FAA)

22083

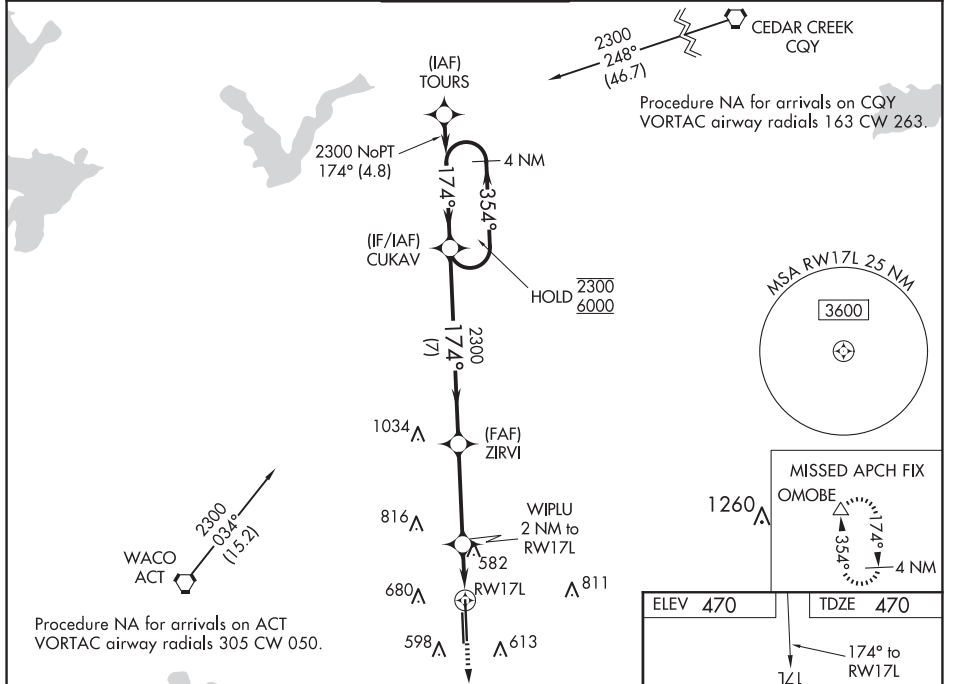
WAAS CH 73020 W17A	APP CRS 174°	Rwy Idg TDZE Apt Elev	8600 470 470
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RNAV (GPS) RWY 17L

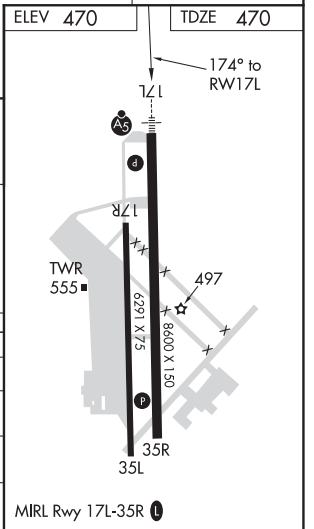
TSTC WACO (CNW)

RNP APCH.	MALSR	MISSED APPROACH: Climb to 2300 direct OMOBE and hold.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to ¾ SM and LNAV Cats C/D visibility to 1 SM.	ASR	

AWOS-3PT 134.225	WACO APP CON ★ 127.65 227.125	TSTC TOWER ★ 124.0 (CTAF) 255.7	GND CON 121.7 0	UNICOM 122.95
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4 NM Holding Pattern		CIRCLING	
6000 ← 354° 2300 → 174°		1140	
GP 3.00° TCH 52		1 NM 1 NM	
CATEGORY	A	B	C
LPV DA	670-½	200 (200-½)	
LNAV/VNAV DA	720-½	250 (300-½)	
LNAV MDA	840-½	370 (400-½)	840-⅝ 370 (400-⅝)
CIRCLING	940-1 470 (500-1)	1040-1 570 (600-1)	1040-1½ 570 (600-1½) 1120-2 650 (700-2)



WACO, TEXAS

Amtd 2 05DEC19

31°38'N-97°04'W

TSTC WACO (CNW)

RNAV (GPS) RWY 17L

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025


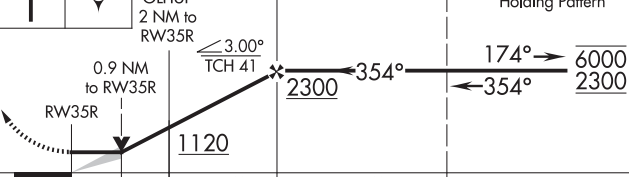
22083

RNAV (GPS) RWY 35R
TSTC WACO (CNW)

MISSED APPROACH: Climb to 2300 direct CUKAV and hold.

UNICOM
122.95

Δ¹²⁹⁷

					
CATEGORY		A	B	C	D
LP	MDA	780-1 318 (400-1)			
LN	MDA	860-1 398 (400-1)	860-1 $\frac{1}{8}$ 398 (400-1 $\frac{1}{8}$)		

TSTC WACO (CNW)
RNAV (GPS) RWY 35R

481

SC-3, 12 JUN 2025 to 07 AUG 2025

WACO, TEXAS

AL-579 (FAA)

22083

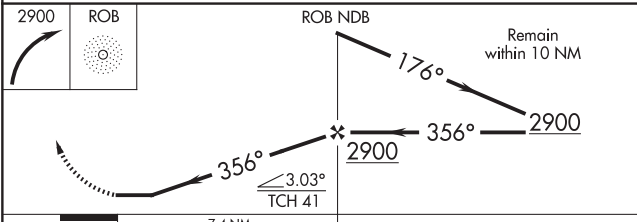
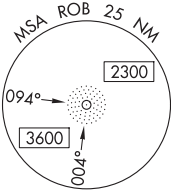
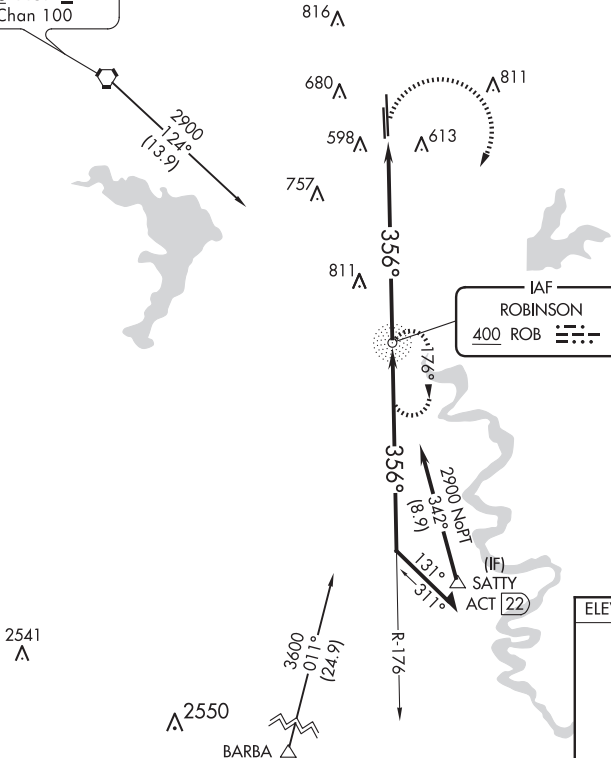
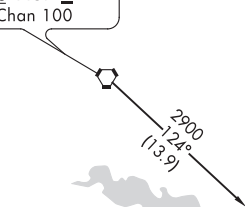
NDB ROB	APP CRS	Rwy Idg	8600
400	356°	TDZE	462
		Apt Elev	470

NDB RWY 35R
TSTC WACO (CNW)

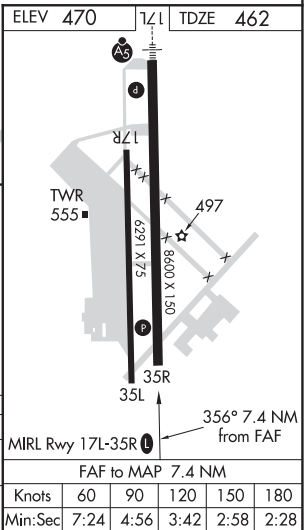
AWOS-3PT 134.225		WACO APP CON ★ 127.65 227.125		TSTC TOWER ★ 124.0 (CTAF) 255.7		GND CON 121.7 0	UNICOM 122.95
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MISSED APPROACH: Climbing right turn to 2900 direct
ROB NDB and hold.

WACO
115.3 ACT
Chan 100



CATEGORY	A	B	C	D
S-35R	1200-1	738 (800-1)	1200-2	738 (800-2)
CIRCLING	1200-1	730 (800-1)	1200-2 730 (800-2)	1200-2¼ 730 (800-2¼)



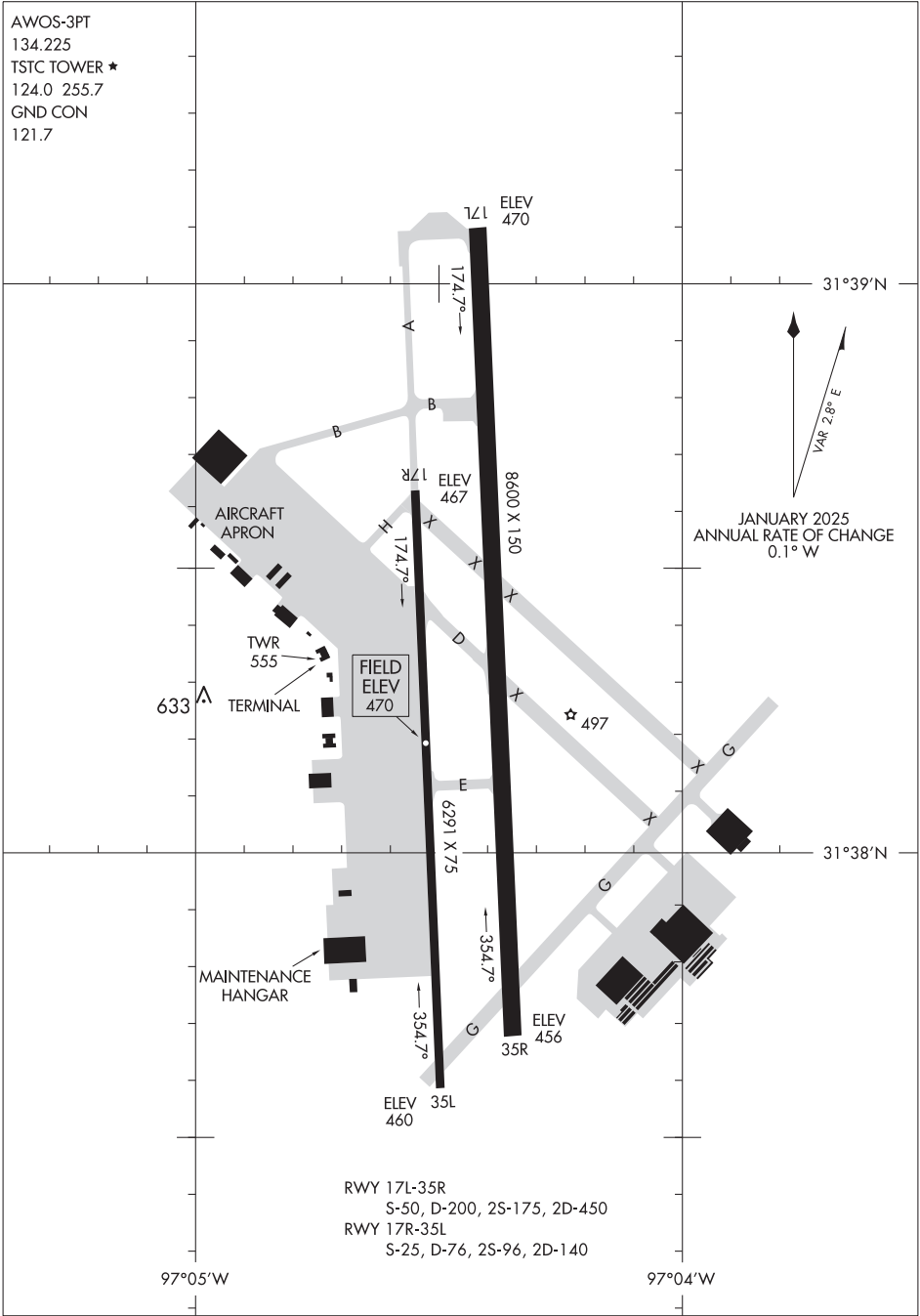
WACO, TEXAS
Amdt 12A 05DEC19

31°38'N-97°04'W

TSTC WACO (CNW)
NDB RWY 35R

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WACO, TEXAS

AL-439 (FAA)

25163

LOC/DME I-ACT 109.7 Chan 34	APP CRS 187°	Rwy Ldg TDZE Apt Elev 6605 505 516
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ILS or LOC RWY 19

WACO RGNL (ACT)

DME required.

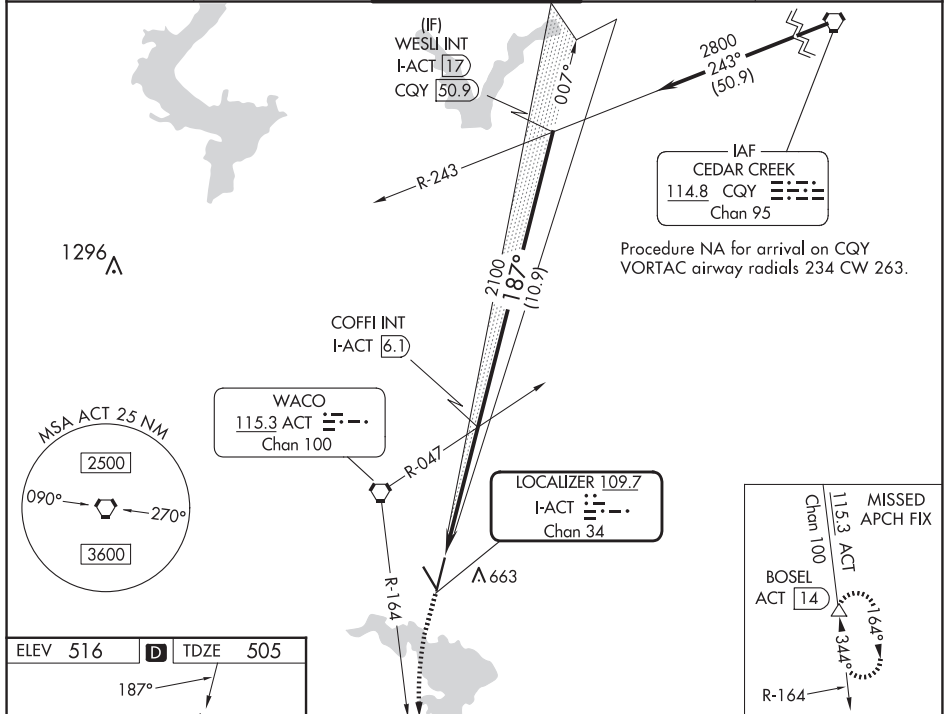
** RVR 1800 authorized with use of FD or AP or HUD to DA.
 ASR

MALSR



MISSED APPROACH: Climb to 1500 then climbing left turn to 4000 on ACT VORTAC R-164 to BOSEL 14 DME and hold, continue climb-in-hold to 4000.

ATIS 123.85	WACO APP CON ★ 127.65 227.125	WACO TOWER ★ 119.3 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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	1500	4000	BOSEL		WESLI INT I-ACT 17
		ACT R-164			
			COFFI INT I-ACT 6.1		
				2100	2800
				187°	
				2100	
					GS 3.00° TCH 55
CATEGORY	A	B	C	D	
S-ILS 19**	705/24 200 (200-½)				
S-LOC 19	900/24 395 (400-½)		900/35 395 (400-¾)		
CIRCLING	940-1 424 (500-1)	980-1 464 (500-1)	1020-1½ 504 (600-½)	1160-2 644 (700-2)	

WACO, TEXAS

Amdt 17 30JAN20

31°37'N-97°14'W

WACO RGNL (ACT)

ILS or LOC RWY 19

WAAS CH 65919 W01A	APP CRS 007°	Rwy Ldg TDZE 511 Apt Elev 516
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RNAV (GPS) RWY 1

WACO RGNL (ACT)

RNP APCH - GPS.

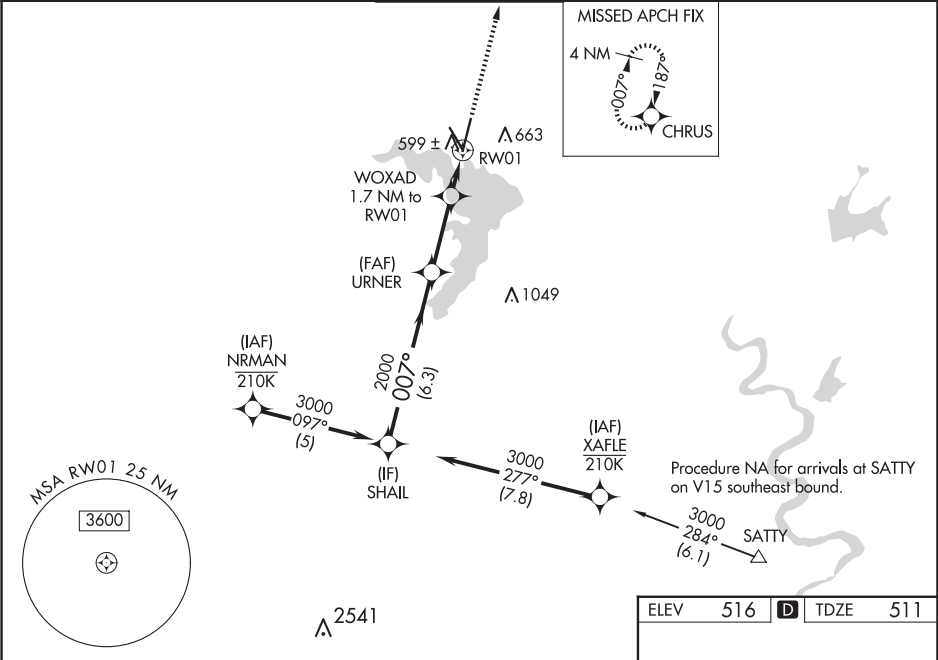
⚠

ASR

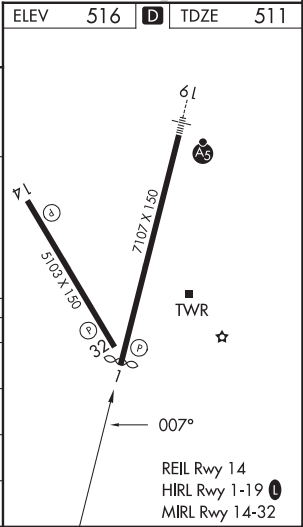
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -8°C or above 54°C. Baro-VNAV and VDP NA when using PWG altimeter setting. Rwy 1 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use PWG altimeter setting and increase LPV DA to 792 feet and all visibilities ½ SM. Increase LNAV/VNAV DA to 813 feet; increase all MDAs 40 feet and LNAV visibility Cat C/D ½ SM, and Circling visibility Cat D ¼ SM.

MISSED APPROACH:
Climb to 3000 direct
CHRUN and hold.

ATIS 123.85	WACO APP CON ★ 127.65 227.125	WACO TOWER ★ 119.3 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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SHAIL		URNER		WOXAD 1.7 NM to RW01		3000	CHRU5
3000		2000		1100		007°	
GP 3.00° TCH 55						0.9 NM to RW01	
6.3 NM		2.8 NM		0.8 NM		0.9 NM	
CATEGORY	A	B	C	D			
LPV DA	761-¾		250 (300-¾)				
LNAV/ VNAV DA	782-⅞		271 (300-⅞)				
LNAV MDA	860-1		349 (400-1)				
CIRCLING	940-1 424 (500-1)	980-1 464 (500-1)	1020-1½ 504 (600-1½)	1160-2 644 (700-2)			



WACO, TEXAS

AL-439 (FAA)

25163

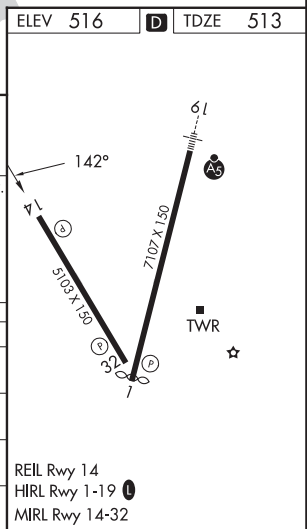
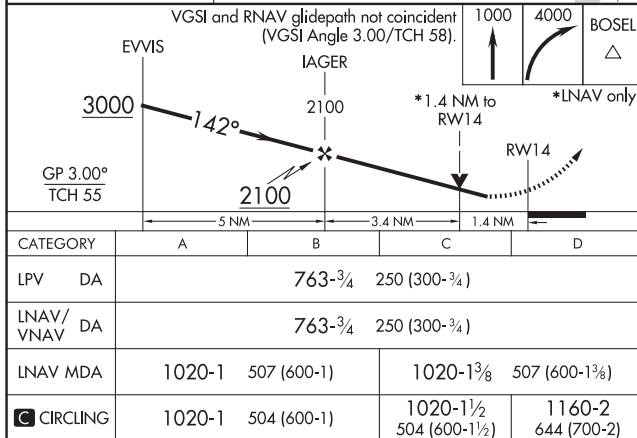
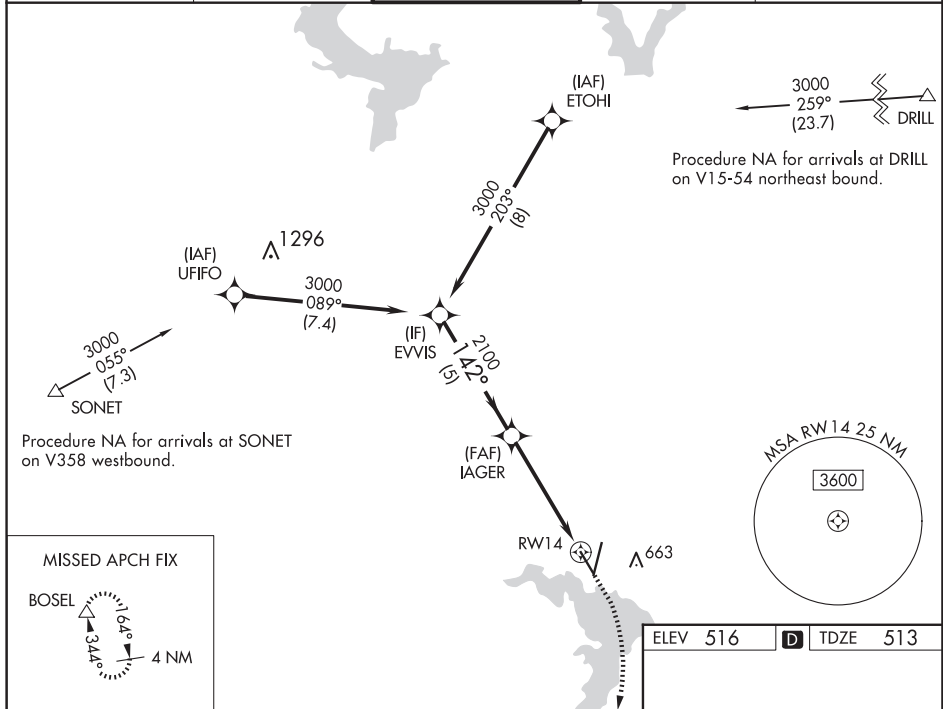
WAAS CH 56520 W14A	APP CRS 142°	Rwy Ldg TDZE Apt Elev	5103 513 516
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RNAV (GPS) RWY 14

WACO RGNL (ACT)

RNP APCH.	MISSED APPROACH: Climb to 1000 then climbing right turn to 4000 direct BOSEL and hold, continue climb-in-hold to 4000.
ASR Rwy 14 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, procedure NA below -8°C or above 54°C.	

ATIS 123.85	WACO APP CON * 127.65 227.125	WACO TOWER * 119.3 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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WACO, TEXAS
Amdt 1 30JAN20

31°37'N-97°14'W

WACO RGNL (ACT) RNAV (GPS) RWY 14


SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

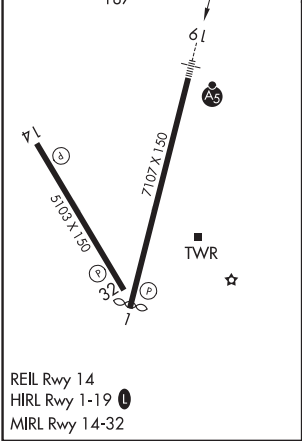
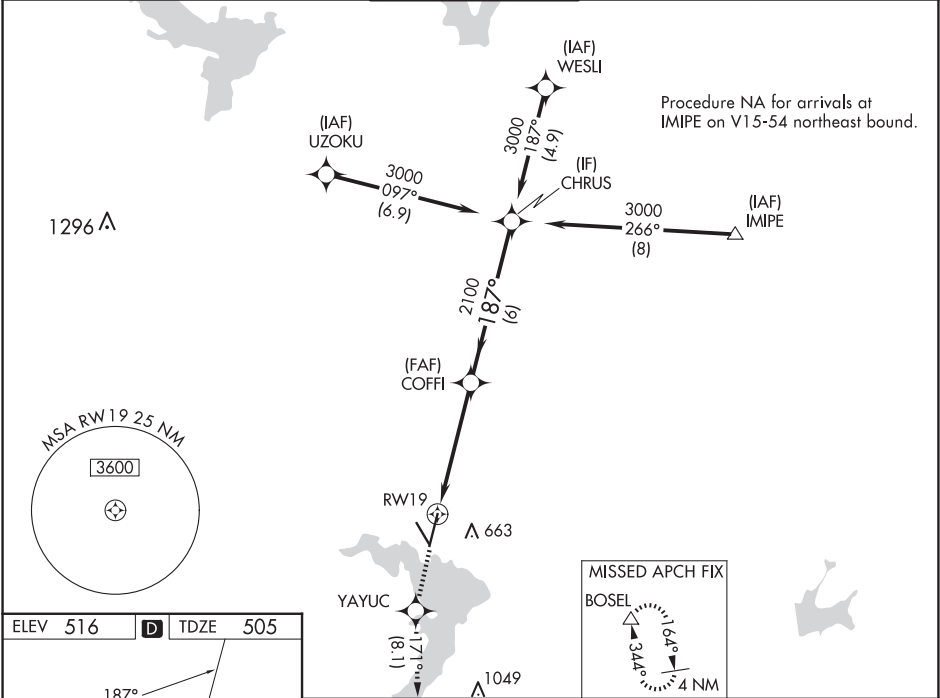
WAAS CH 82119 W19A	APP CRS 187°	Rwy Ldg TDZE 505 Apt Elev 516
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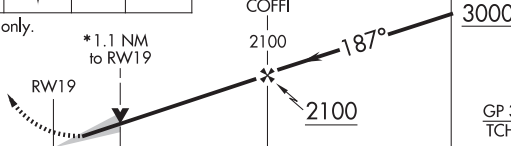
RNAV (GPS) RWY 19

WACO RGNL (ACT)

RNP APCH - GPS.	MALSR 	MISSED APPROACH: Climb to 4000 direct YAYUC and on track 171° to BOSEL and hold, continue climb-in-hold to 4000.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -8°C or above 54°C. For inop ALS, increase LNAV/VNAV visibility all Cats to RVR 4000. ASR **RVR 1800 authorized with use of FD or AP or HUD to DA.		

ATIS 123.85	WACO APP CON ★ 127.65 227.125	WACO TOWER ★ 119.3 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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4000 ↑	YAYUC ✧	fr 171°	BOSEL △	
*LNAV only.				
				
CATEGORY	A	B	C	D
LPV DA**	705/24 200 (200-½)			
LNAV/VNAV DA	755/24 250 (300-½)			
LNAV MDA	900/24	395 (400-½)	900/35	395 (400-¾)
CIRCLING	940-1 424 (500-1)	980-1 464 (500-1)	1020-1½ 504 (600-1½)	1160-2 644 (700-2)

WAAS CH 69420 W32A	APP CRS 322°	Rwy Ldg TDZE 516 Apt Elev 516
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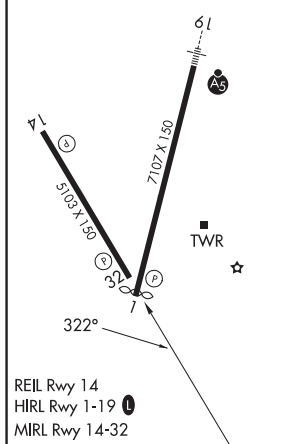
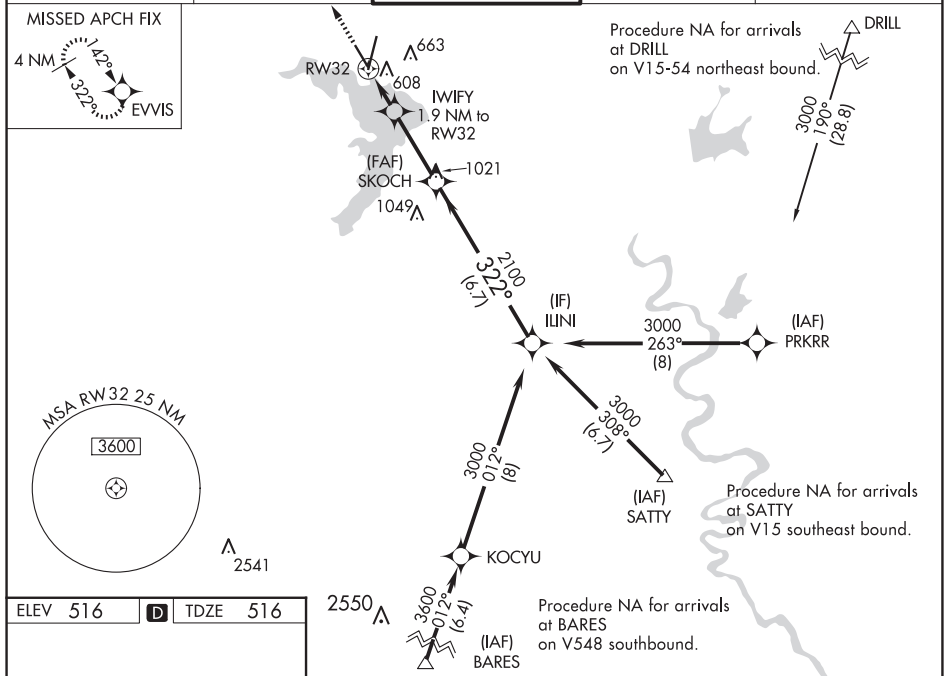
RNAV (GPS) RWY 32

WACO RGNL (ACT)

⚠ DME/DME RNP-0.3 NA. When local altimeter setting not received use Mc Gregor Exec altimeter setting and increase all DA 31 feet and all MDA 40 feet; increase LPV and LNAV/VNAV all Cats and LNAV Cats C/D visibility 1/8 mile and Circling Cat D visibility 1/4 mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -13°C (9°F) or above 54°C (130°F). Baro-VNAV NA when using Mc Gregor Exec altimeter setting. VDP NA with Mc Gregor Exec altimeter setting.

MISSED APPROACH: Climb to 4000 direct EVVIS and hold, continue climb-in-hold to 4000.

ATIS 123.85	WACO APP CON ★ 127.65 227.125	WACO TOWER ★ 119.3(CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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4000 EVVIS				
*LNAV only.				
RW32 1.9 NM to RW32				
*0.9 NM to RW32				
*1160				
GP 3.00° TCH 59				
CATEGORY	A	B	C	D
LPV DA		766-3/4	250 (300-3/4)	
LNAV/VNAV DA		773-3/4	257 (300-3/4)	
LNAV MDA		860-1	344 (400-1)	
CIRCLING	940-1 424 (500-1)	980-1 464 (500-1)	1020-1 1/2 504 (600-1 1/2)	1160-2 644 (700-2)

VORTAC ACT	APP CRS	Rwy Ldg	5103
115.3	321°	TDZE	516
Chan 100		Apt Elev	516

VOR/DME RWY 32
WACO RGNL (ACT)

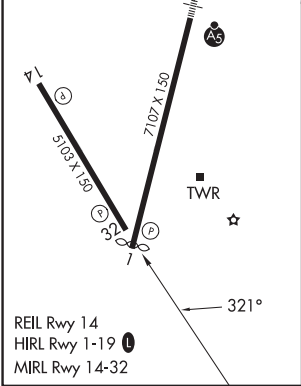
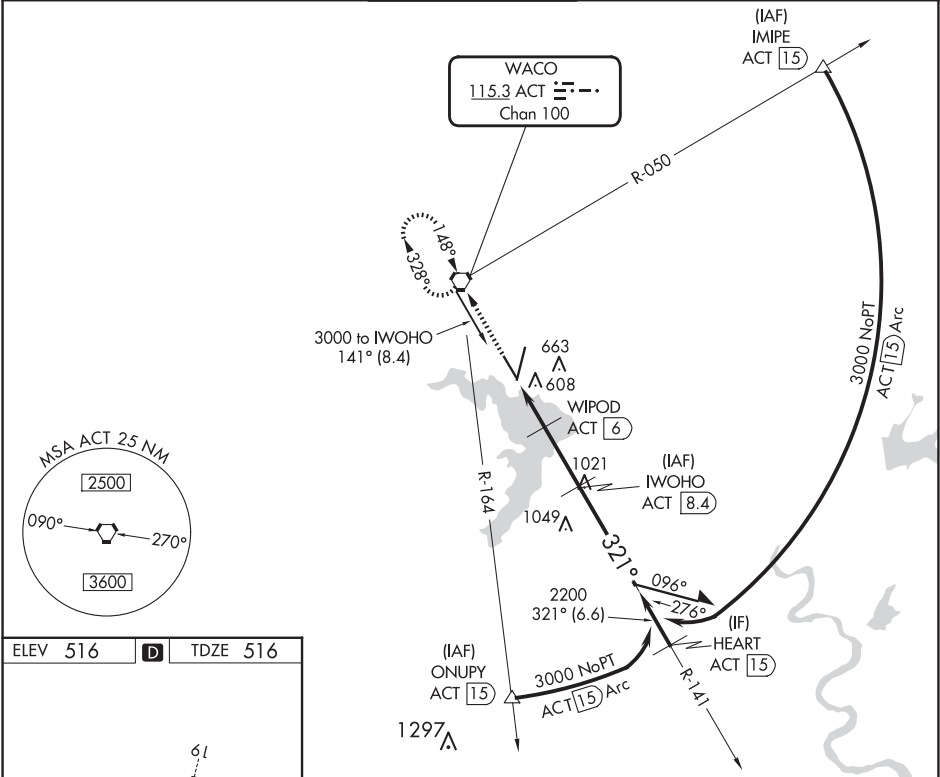


ASR

VDP NA with Mc Gregor Exec altimeter setting. When local altimeter setting not received use Mc Gregor Exec altimeter setting and increase all MDA 40 feet; increase S-32 Cats C/D visibility 1/8 mile and Circling Cat D visibility 1/4 mile.

MISSED APPROACH: Climb to 3000 direct ACT VORTAC and hold, continue climb-in-hold to 3000.

ATIS 123.85	WACO APP CON* 127.65 227.125	WACO TOWER* 119.3 (CTAF) 257.8	GND CON 121.9	UNICOM 122.95
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3000	ACT	WIPOD ACT 6	IWOHO ACT 8.4	Remain within 10 NM
3000	ACT	WIPOD ACT 6	IWOHO ACT 8.4	3000
2200	ACT	WIPOD ACT 6	IWOHO ACT 8.4	2200
1300	ACT	WIPOD ACT 6	IWOHO ACT 8.4	1300
0.9	1.1 NM	2.4 NM		
CATEGORY	A	B	C	D
S-32	860-1 344 (400-1)			
CIRCLING	940-1 424 (500-1)	980-1 464 (500-1)	1020-1½ 504 (600-1½)	1160-2 644 (700-2)

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WACO, TEXAS

AL-439 (FAA)

25163

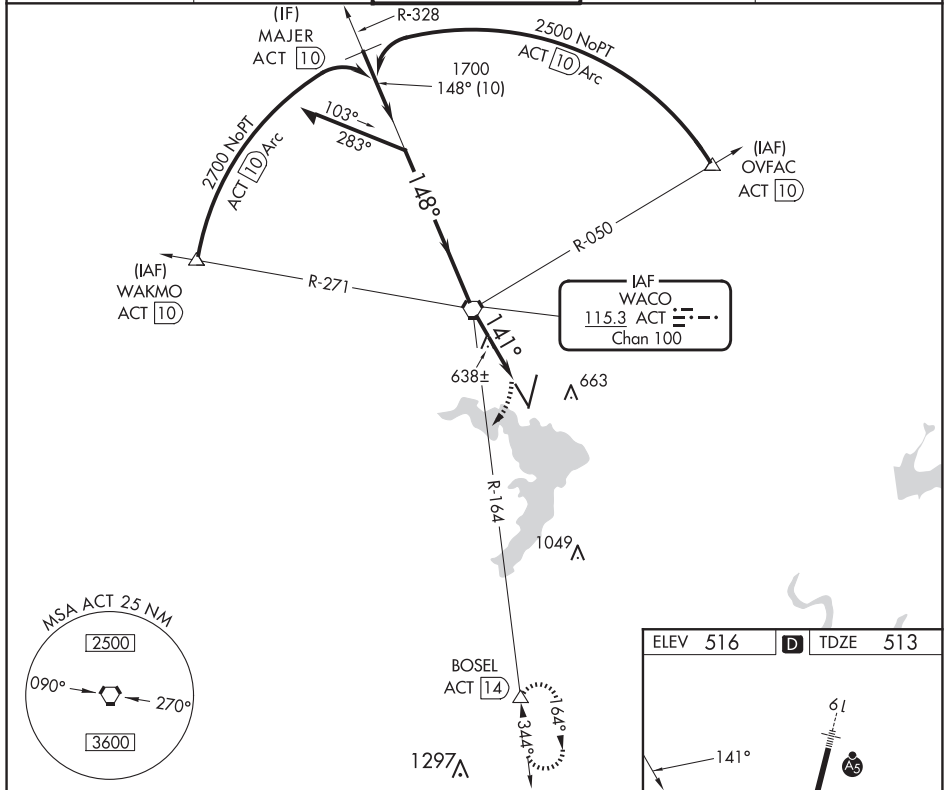
VORTAC ACT	APP CRS	Rwy Ldg
115.3	141°	5103
Chan 100		TDZE 513
		Apt Elev 516

VOR RWY 14

WACO RGNL (ACT)

DME required.	MISSED APPROACH: Climbing right turn to 4000 on ACT VORTAC R-164 to BOSEL/ACT 14.00 DME and hold, Continue climb-in-hold to 4000.
ASR Rwy 14 helicopter visibility reduction below ¾ SM NA. VDP NA with Mc Gregor Exec altimeter setting. When local altimeter setting not received, use Mc Gregor Exec altimeter setting and increase all MDAs 40 feet; and increase S-14 Cat C/D visibility ½ SM and Circling Cat D visibility ¼ SM.	

ATIS 123.85	WACO APP CON ★ 127.65 227.125	WACO TOWER ★ 119.3(CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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Remain within 10 NM		ACT VORTAC		4000	BOSEL
2500		328°		R-164	
1700		148°		ACT 2.1	
VGSJ and descent angles not coincident (VGSJ Angle 3.00/TCH 58).		1700		ACT 3.1	
3.42°		141°		2.1 NM	
2.1 NM		1 NM		1 NM	
CATEGORY	A	B	C	D	
S-14	900-1	387 (400-1)	900-1½	387 (400-1½)	
CIRCLING	940-1 424 (500-1)	980-1 464 (500-1)	1020-1½ 504 (600-1½)	1160-2 644 (700-2)	
WACO, TEXAS					REIL Rwy 14
Amdt 23C 15AUG19					HIRL Rwy 1-19
					MIRL Rwy 14-32
					FAF to MAP 3.1 NM
					Knots
					60 90 120 150 180
					Min:Sec
					3:06 2:04 1:33 1:14 1:02

WACO, TEXAS

Amdt 23C 15AUG19

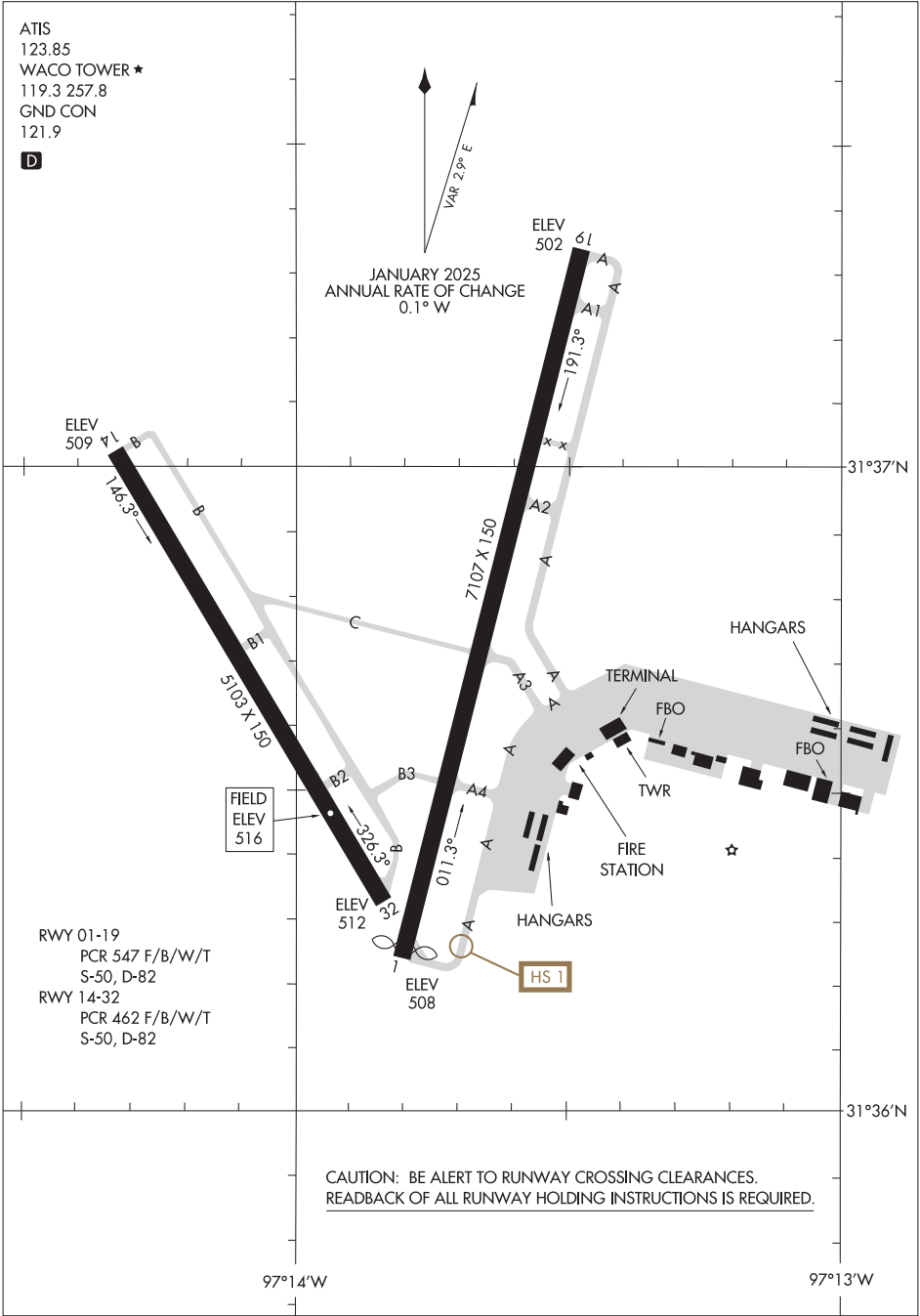
31°37'N-97°14'W

WACO RGNL (ACT)

VOR RWY 14

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

WESLACO, TEXAS

AL-6930 (FAA)

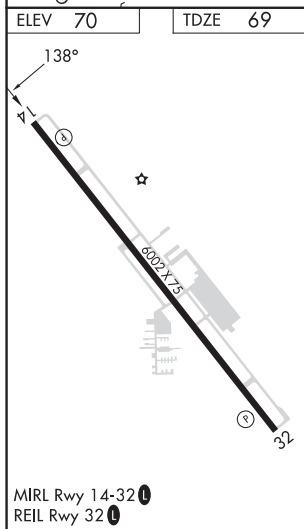
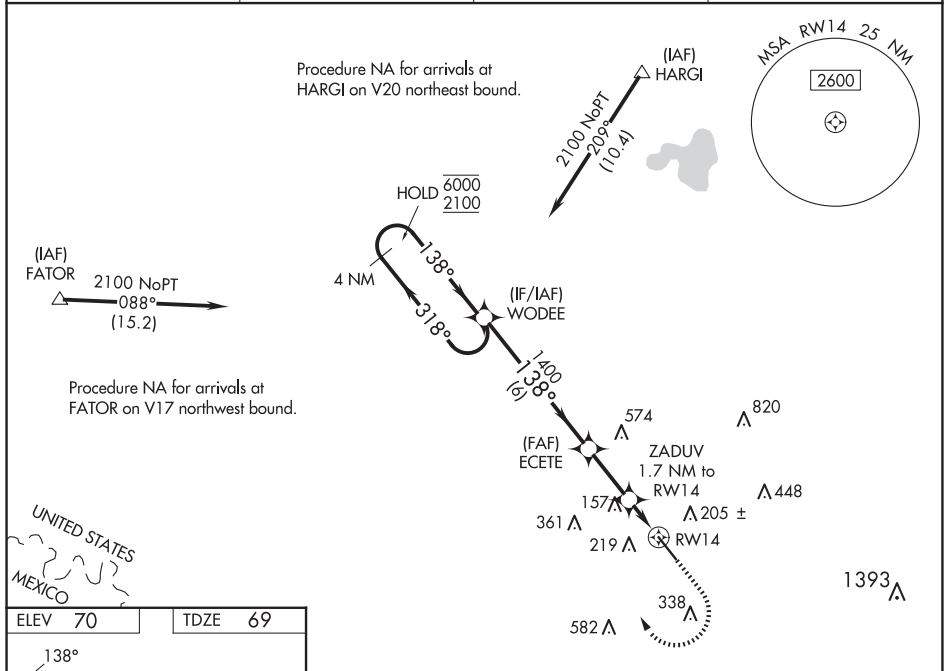
24137

WAAS CH 70341 W14A	APP CRS 138°	Rwy Idg TDZE Apt Elev	6002 69 70
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RNAV (GPS) RWY 14

MID VALLEY (TXW)

RNP APCH.		MISSED APPROACH: Climb to 900 then climbing right turn to 2100 direct WODEE and hold.	
Rwy 14 helicopter visibility reduction below $\frac{3}{4}$ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C.			
AWOS-3PT 118.575	VALLEY APP CON 126.55 377.2	CLNC DEL 125.95	UNICOM 122.8 (CTAF)



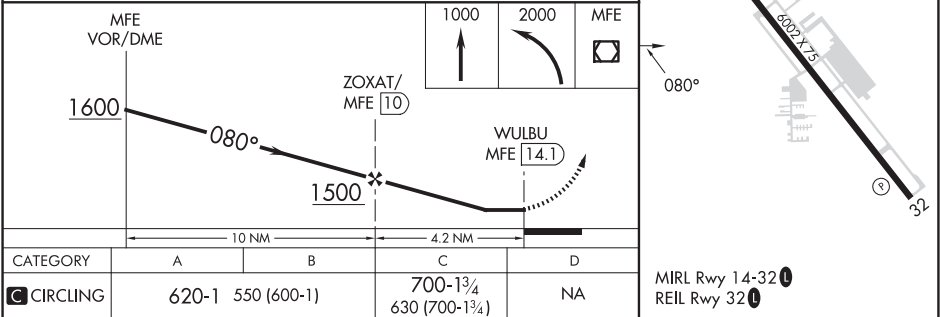
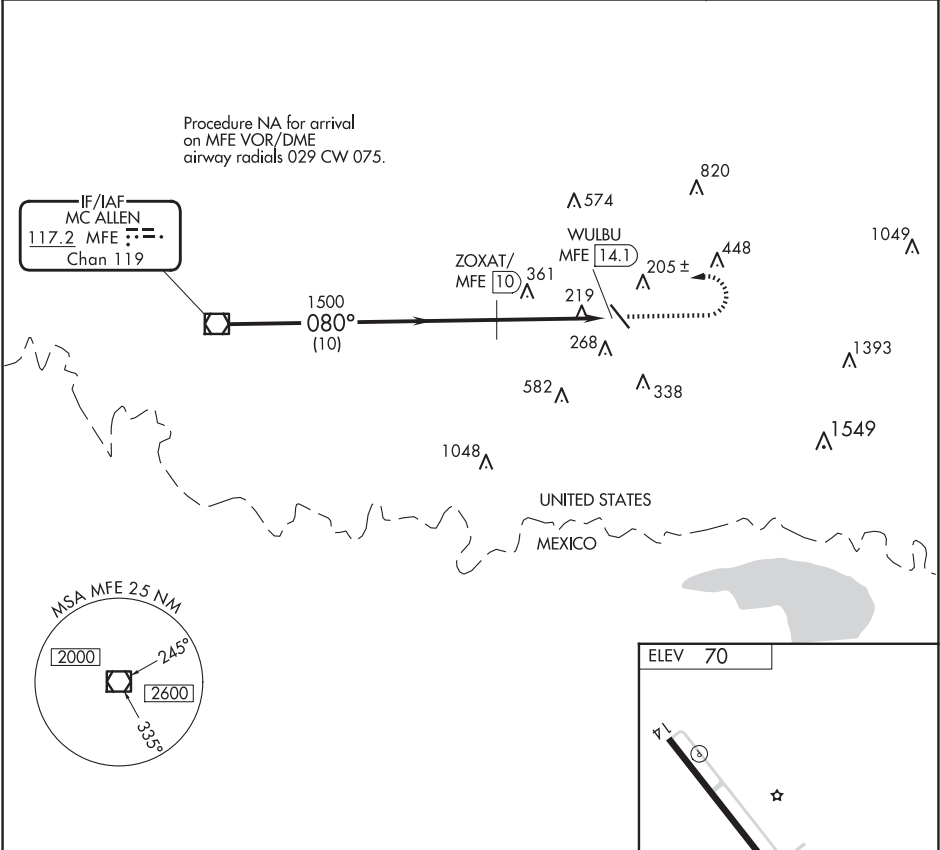
4 NM Holding Pattern		WODEE	900	2100	WODEE
6000 2100		318° 138°	1400	ZADUV 1.7 NM to RWY 14	*LNAV only.
GP 3.00° TCH 50		1400	*660	*0.9 NM to RWY 14	RWY 14
		6 NM	2.3 NM	0.8 NM	0.9 NM
CATEGORY	A	B	C	D	
LPV DA	319- $\frac{3}{4}$ 250 (300- $\frac{3}{4}$)				
LNAV/VNAV DA	331- $\frac{7}{8}$ 262 (300- $\frac{7}{8}$)				
LNAV MDA	420-1 351 (400-1)				
CIRCLING	620-1	550 (600-1)	700-1 $\frac{3}{4}$ 630 (700-1 $\frac{3}{4}$)	940-2 $\frac{3}{4}$ 870 (900-2 $\frac{3}{4}$)	

WESLACO, TEXAS
Orig-B 26MAR20

26°11'N-97°58'W

RNAV (GPS) RWY 14

DME required.		MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct MFE VOR/DME.	
▼ When local altimeter not received, use McAllen altimeter setting and increase all MDA 40 feet.			
AWOS-3PT 118.575	VALLEY APP CON 126.55 377.2	CLNC DEL 125.95	UNICOM 122.8 (CTAF) 0



WINK, TEXAS

AL-461 (FAA)

25051

WAAS CH 93831 W13A	APP CRS 132°	Rwy Idg TDZE Apt Elev	5003 2822 2822
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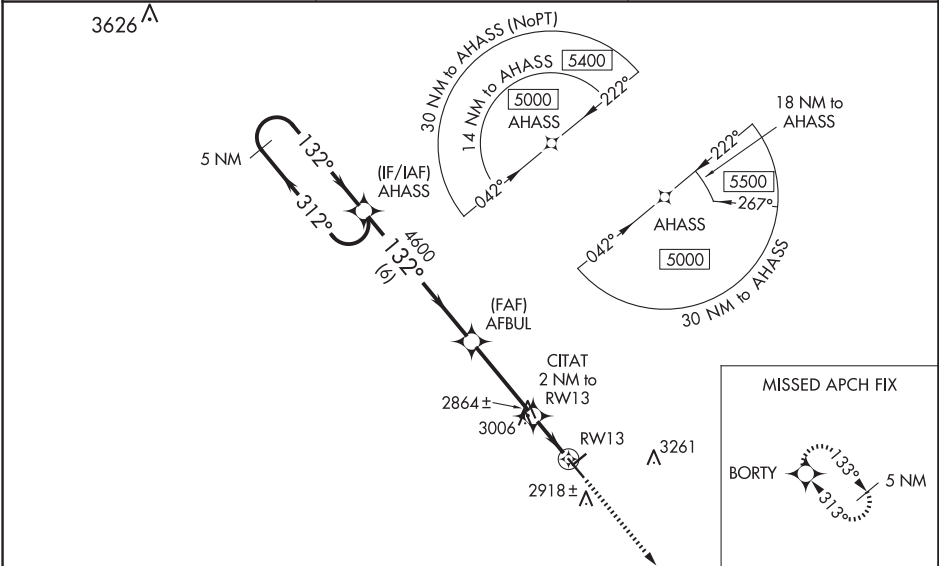
RNAV (GPS) RWY 13
WINKLER COUNTY (INK)

RNP APCH - GPS.

T Baro-VNAV NA when using Pecos altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C. VDP NA with Pecos altimeter setting. Rwy 13 helicopter visibilities reduction below ¾ SM NA. When local altimeter setting not received, use Pecos altimeter setting: increase LPV DA to 3167 feet and all Cats visibilities ¼ SM; increase LNAV/VNAV DA to 3167 feet and all Cats visibilities ¼ SM; increase all MDAs 100 feet and LNAV Cat C visibility ⅓ SM and Circling Cat C visibility ¼ SM.

MISSED APPROACH:
Climb to 5000 direct BORTY and hold.

ASOS 118.325	FORT WORTH CENTER 133.1 298.95	UNICOM 123.0 (CTAF) 0
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5 NM Holding Pattern

AHASS

5000

312°

132°

132°

AFBUL 4600

CITAT 2 NM to RW13

0.8 NM to RW13

RW13

4600

3500

6 NM

3.4 NM

1.2 NM

0.8

GP 3.00°

TCH 45

CATEGORY	A	B	C	D
LPV DA	3072- ³ / ₄ 250 (300- ³ / ₄)			NA
LNAV/VNAV DA	3072- ³ / ₄ 250 (300- ³ / ₄)			NA
LNAV MDA	3320-1	498 (500-1)	3320-1 ³ / ₈ 498 (500-1 ³ / ₈)	NA
CIRCLING	3320-1	498 (500-1)	3580-2 ¹ / ₄ 758 (800-2 ¹ / ₄)	NA

ELEV 2822

TDZE 2822

132°

3514 X 100

5003 X 100

31

MIRL Rwy 4-22 and 13-31

WINK, TEXAS
Amdt 1D 20FEB25

31°47'N-103°12'W

WINKLER COUNTY (INK)
RNAV (GPS) RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

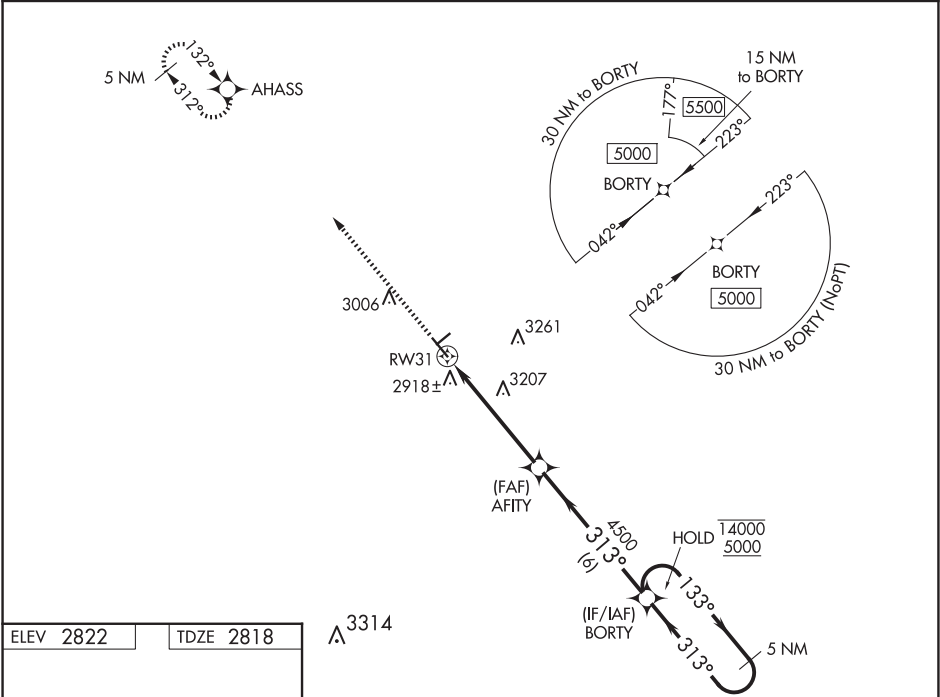
SC-3, 12 JUN 2025 to 07 AUG 2025

WAAS CH 56233 W31A	APP CRS 313°	Rwy Idg TDZE Apt Elev	5003 2818 2822
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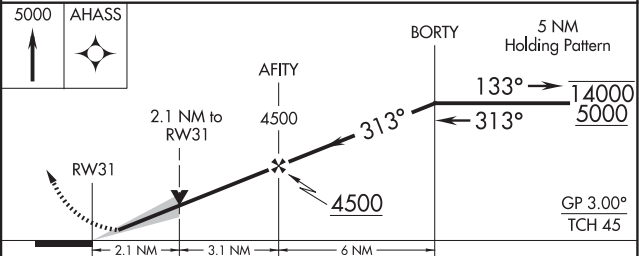
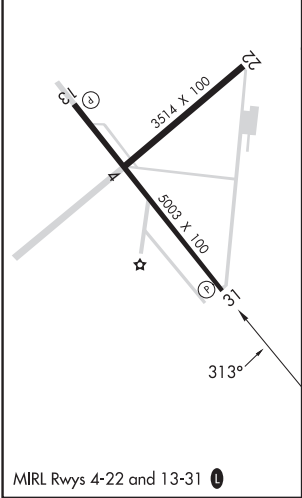
RNAV (GPS) RWY 31
WINKLER COUNTY (INK)

RNP APCH - GPS.		MISSED APPROACH: Climb to 5000 direct AHASS and hold.
<div><div>▼</div><div>▲</div></div>	For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C.	

ASOS 118.325	FORT WORTH CENTER 133.1 298.95	UNICOM 123.0 (CTAF) 0
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ELEV 2822	TDZE 2818
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CATEGORY	A	B	C	D
LPV DA	3068-3/4	250 (300-3/4)		NA
LNAV/VNAV DA	3253-1 1/4	435 (500-1 1/4)		NA
LNAV MDA	3520-1	702 (700-1)	3520-2 702 (700-2)	NA
CIRCLING	3520-1	698 (700-1)	3580-2 1/4 758 (800-2 1/4)	NA

WINK, TEXAS

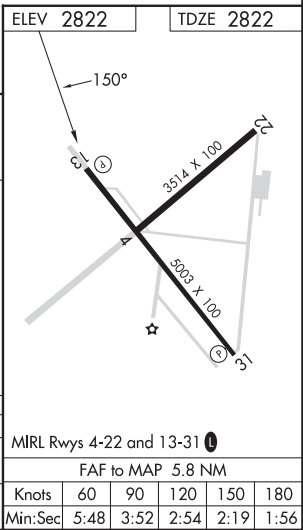
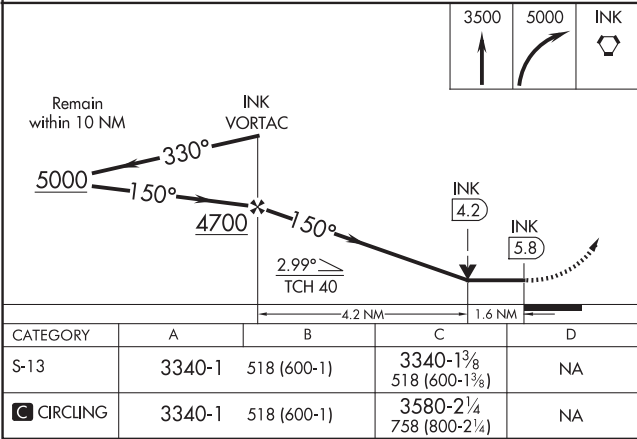
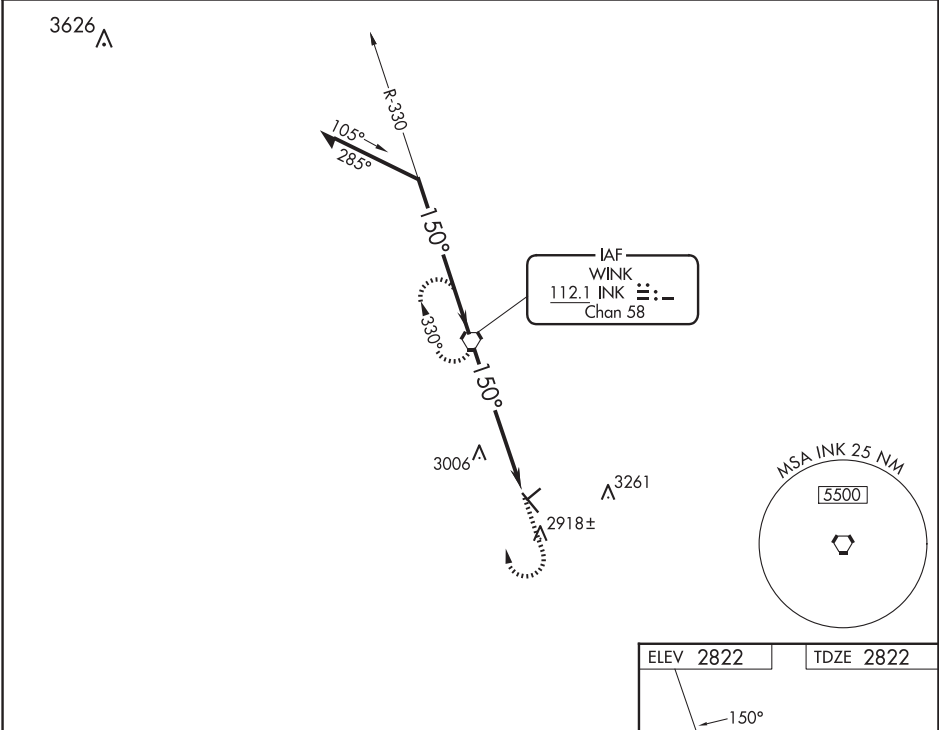
AL-461 (FAA)

25051

VORTAC INK 112.1 Chan 58	APP CRS 150°	Rwy Idg TDZE 2822 Apt Elev 2822
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VOR RWY 13
WINKLER COUNTY (INK)

<div><div>▼</div><div>▲</div></div>		MISSED APPROACH: Climb to 3500 then climbing right turn to 5000 direct INK VORTAC and hold, continue climb-in-hold to 5000.
ASOS 118.325	FORT WORTH CENTER 133.1 298.95	UNICOM 123.0 (CTAF) 1



WINK, TEXAS
Amdt 10B 20FEB25

31°47'N-103°12'W

WINKLER COUNTY (INK)
VOR RWY 13

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

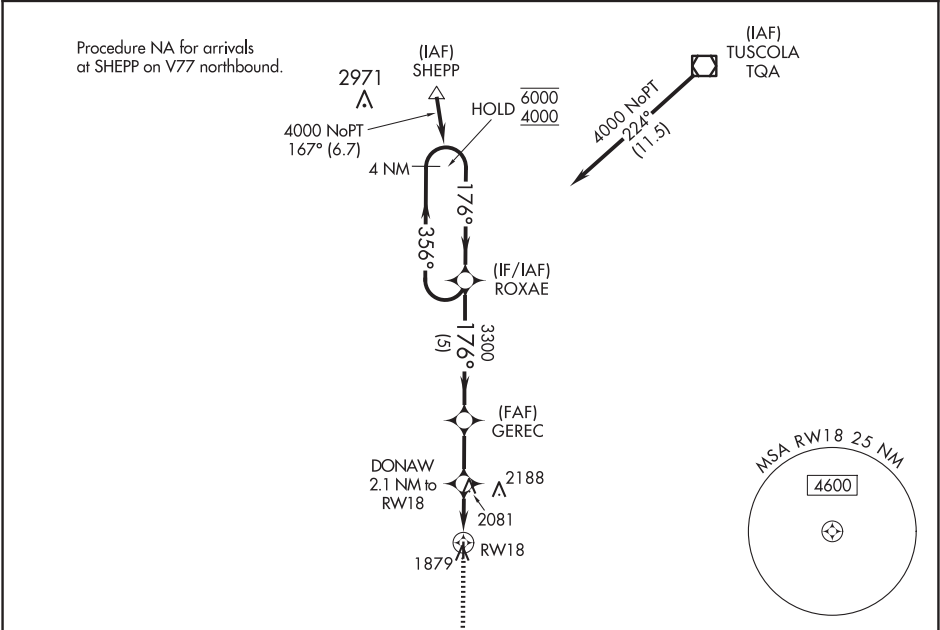
WAAS CH 93822 W18A	APP CRS 176°	Rwy Ldg TDZE 1870 Apt Elev 1871
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RNAV (GPS) RWY 18

WINTERS MUNI (77F')

RNP APCH - GPS.	MISSED APPROACH: Climb to 3400 direct FILEP and hold.
<div><div>▼</div><div>▲ NA</div></div> Use ABI altimeter setting; when not received, use COM altimeter setting and increase all MDAs 20 feet.	

ABI ASOS 118.25	ABILENE APP CON 127.2 282.3	CTAF 122.9
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MISSED APCH FIX		ELEV 1871		TDZE 1870	
<div>FILEP</div> <div></div>		<div>176°</div> <div>81</div> <div>3204 X 50</div> <div>36</div> <div></div>			
4 NM Holding Pattern		ROXAE		<div>3400</div> <div>FILEP</div> <div></div> <div></div>	
6000 ← 356°		GEREC			
4000 → 176°		DONAW 2.1 NM to RW18			
176°		RW18			
3300		2560			
5 NM		2.3 NM			
2.1 NM					
CATEGORY	A	B	C	D	
LP MDA	2480-1	610 (700-1)	NA		
LNAV MDA	2480-1	610 (700-1)	NA		

LIRL Rwy 18-36

WINTERS, TEXAS

AL-6639 (FAA)

25163

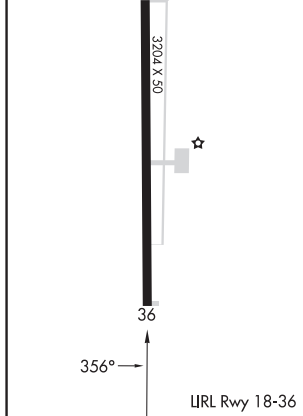
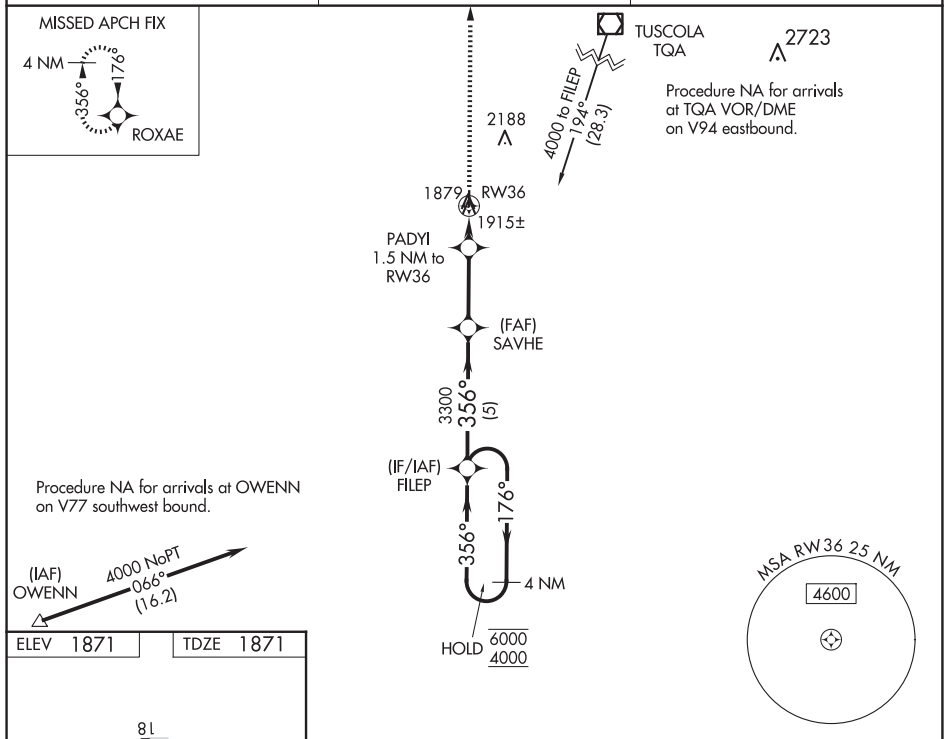
WAAS CH 49022 W36A	APP CRS 356°	Rwy Ldg TDZE 1871 Apt Elev 1871
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RNAV (GPS) RWY 36

WINTERS MUNI (77F)

RNP APCH - GPS.		MISSED APPROACH: Climb to 4000 direct ROXAE and hold.
Rwy 36 helicopter visibility reduction below 1 SM NA. Use ABI altimeter setting; when not received, use COM altimeter setting and increase all MDAs 20 feet. Straight-in/Circling Rwy 36 procedure NA at night.		

ABI ASOS 118.25	ABILENE APP CON 127.2 282.3	CTAF 122.9
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4000	ROXAE	FILEP	4 NM Holding Pattern
PADI 1.5 NM to RW36	SAVHE	FILEP	4 NM Holding Pattern
RW36	SAVHE	FILEP	4 NM Holding Pattern
2380	3300	6000	4000
1.5 NM	2.9 NM	5 NM	
CATEGORY	A	B	C
LP MDA	2260-1	389 (400-1)	NA
LNAV MDA	2260-1	389 (400-1)	NA
CIRCLING	2440-1 569 (600-1)	2520-1 649 (700-1)	NA

WINTERS, TEXAS

Amdt 1 12JUN25

31°57'N-99°59'W

RNAV (GPS) RWY 36

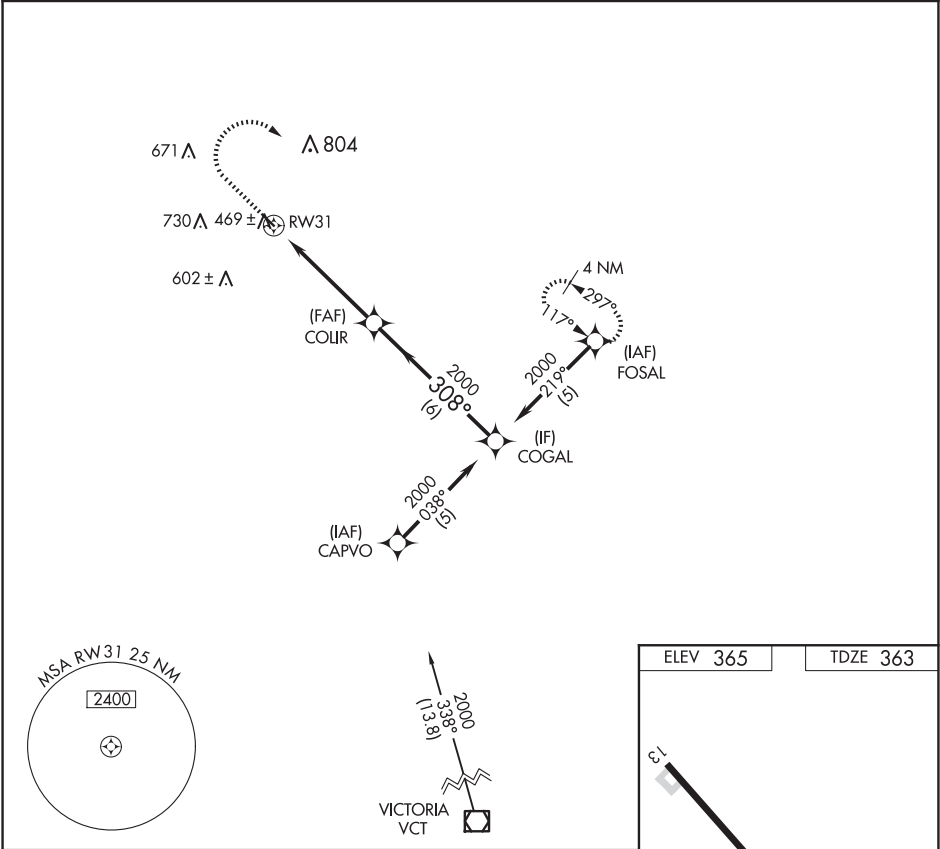
SC-3, 12 JUN 2025 to 07 AUG 2025

APP CRS	Rwy Idg	3444
308°	TDZE	363
	Apt Elev	365

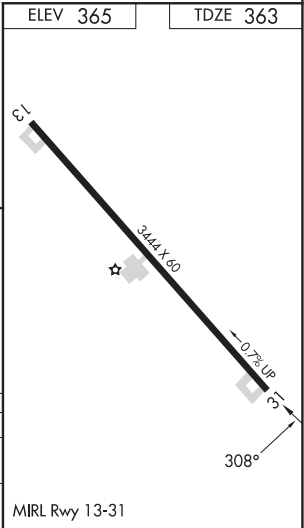
RNAV (GPS) RWY 31
YOAKUM MUNI (T85)

RNP APCH-GPS.	MISSED APPROACH: Climb to 1000 then climbing right turn to 2000 direct FOSAL and hold.
▼ Use Victoria Rgnl altimeter setting. Procedure NA at night.	
▲ NA Rwy 31 helicopter visibility reduction below ¾ SM NA.	

VCT ASOS 119.025	HOUSTON CENTER 132.8 343.7	CTAF 122.9
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1000	2000	FOSAL	COLR	COGAL	Procedure Turn NA
CATEGORY	A	B	C	D	
RNAV MDA	840-1	477 (500-1)	840-1¼ 477 (500-1¼)	NA	
CIRCLING	920-1	555 (600-1)	1200-2½ 835 (900-2½)	NA	



SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

FORT CAVAZOS, TEXAS

APCH CRS 338°	Rwy Idg 2676
	TDZE 910
	Arpt Elev 910

- (USA)

YOAKUM DEFRENN AHP (KHLR)

RNP APCH – GPS

MISSED APPROACH: Climb to 1500 then climbing left turn to 3100 direct IRESH and hold.

RADAR required for missed approach.

TANA

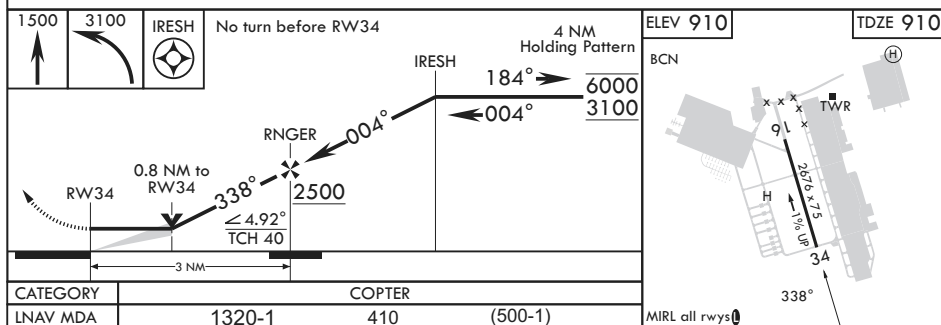
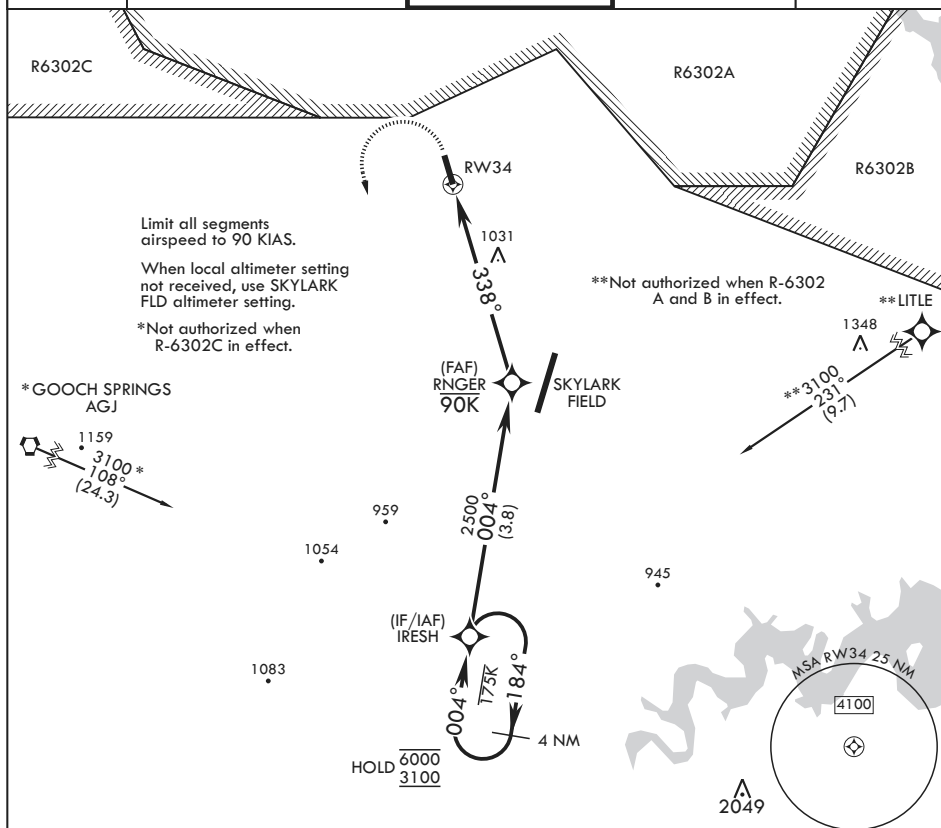
ATIS★
138.6

GRAY APP CON/DEP CON
120.075 323.15

TOWER★
119.65 @ 269.45

GND CON
133.85 225.4

CLNC DEL
225.4



FORT CAVAZOS, TEXAS

31°08'N - 97°43'W

YOAKUM DEFRENN AHP (KHLR)

Amdt 1 05OCT23

COPTER RNAV (GPS) RWY 34

SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

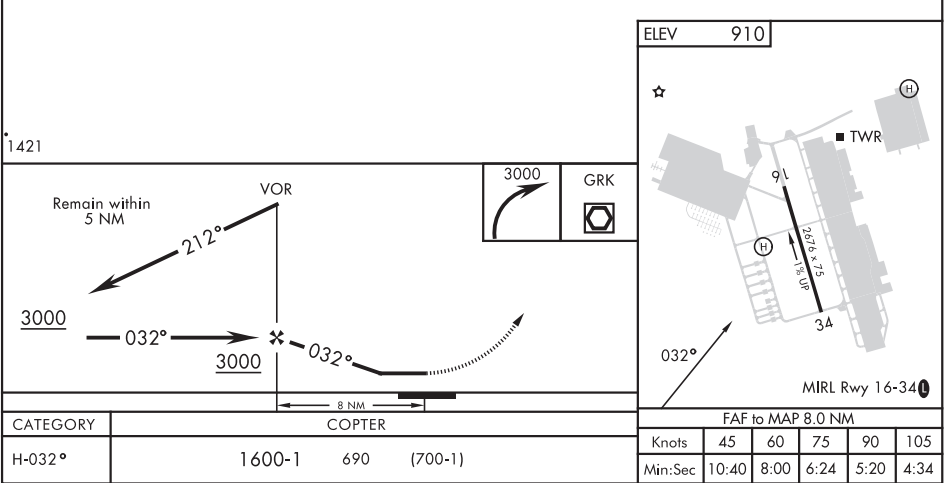
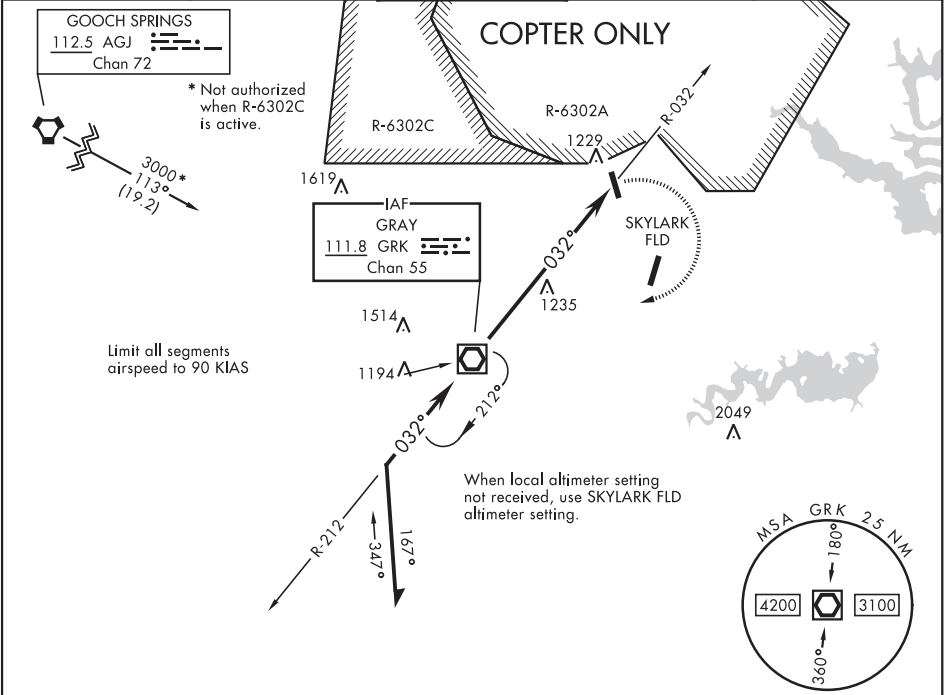
COPTER VOR 032°

VOR/DME GRK 111.8 Chan 55	APCH CRS 032°	Rwy Idg TDZE Arpt Elev N/A N/A 910
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[USA]

YOAKUM DEFRENN AHP (KHLR)

RADAR required for missed approach.		MISSED APPROACH: Climbing right turn to 3000 direct to GRK VOR/DME and hold.		
ATIS ★ 138.6	GRAY APP CON 120.075 323.15	TOWER ★ 119.650 269.45	GND CON 133.85 225.4	CLNC DEL 225.4



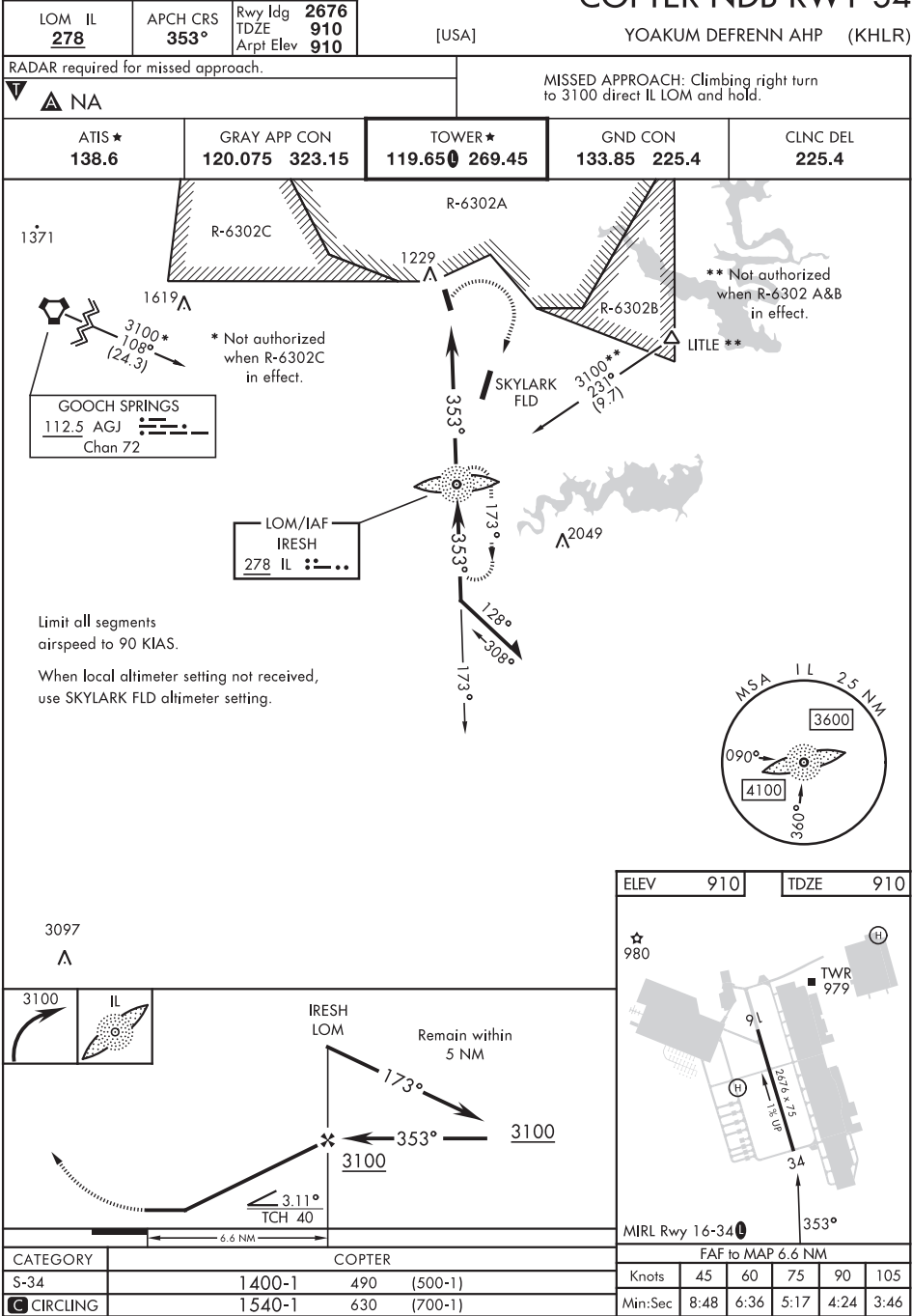
COPTER VOR 032°

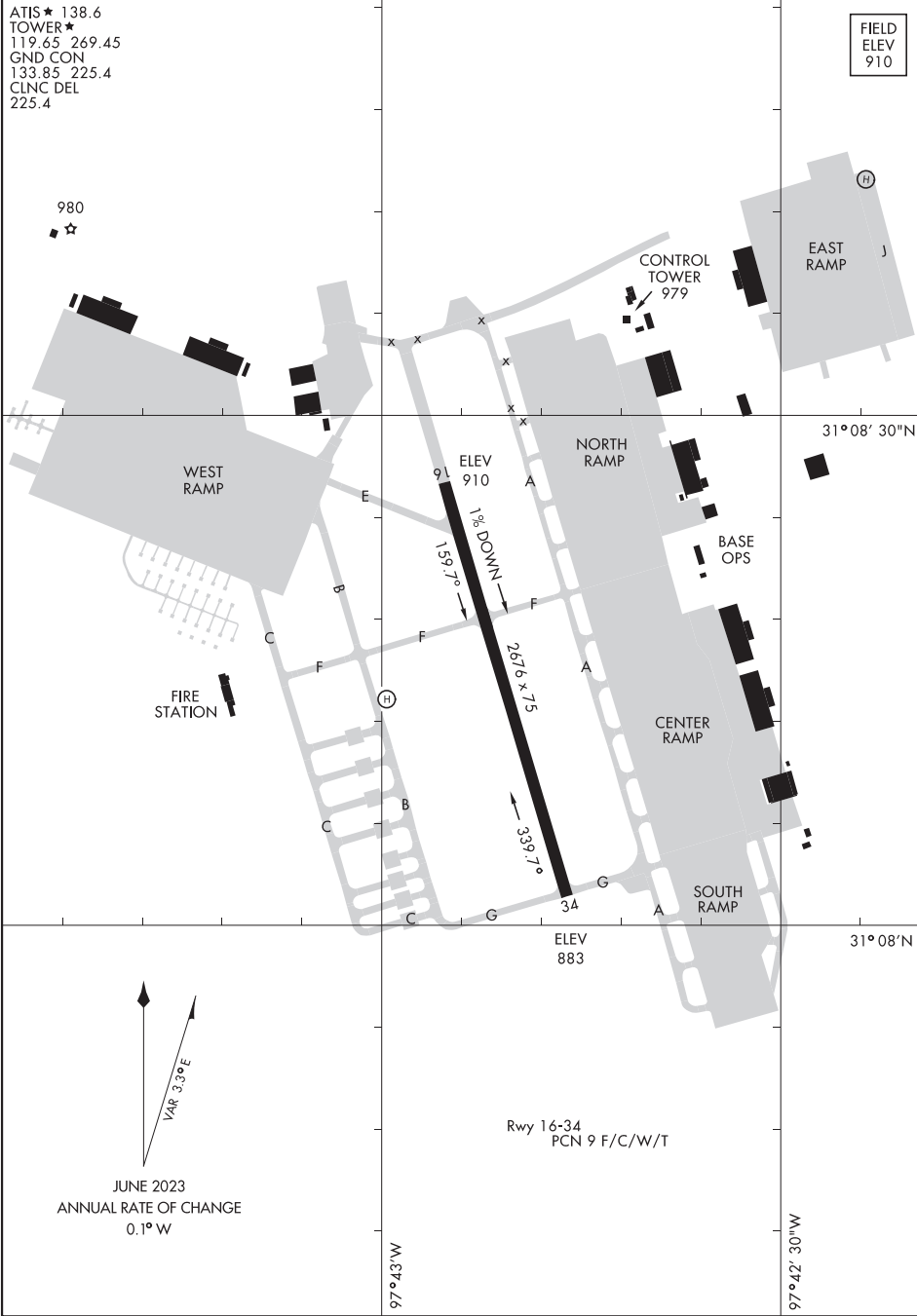
SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025

FORT CAVAZOS, TEXAS

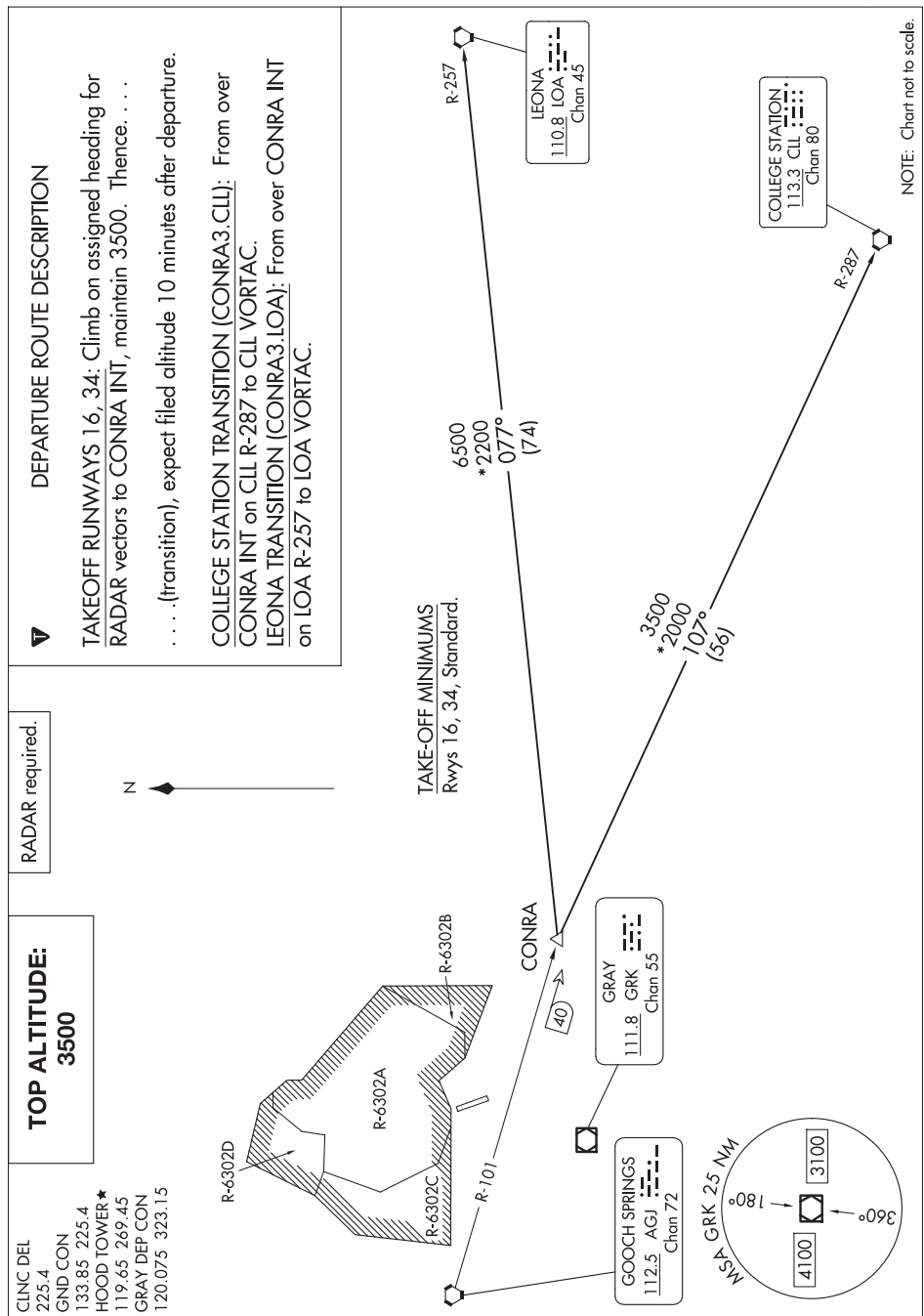
COPTER NDB RWY 34

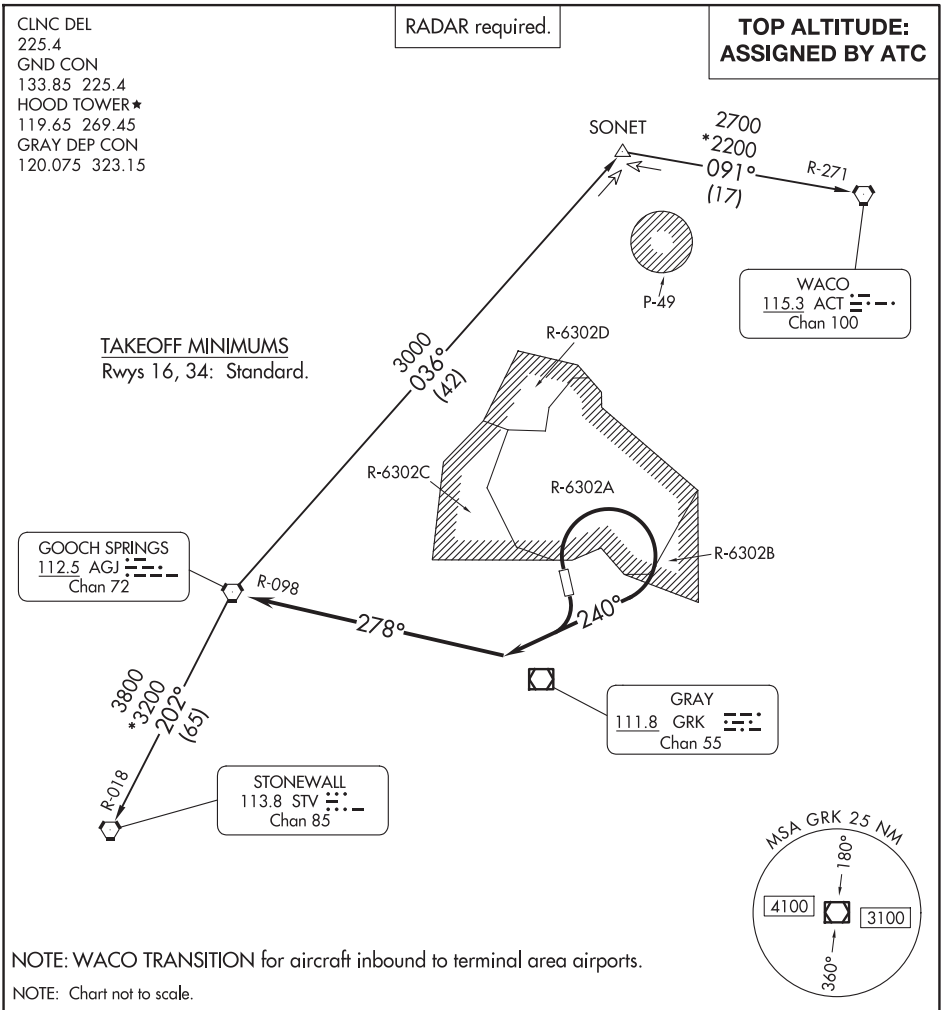




SC-3, 12 JUN 2025 to 07 AUG 2025

SC-3, 12 JUN 2025 to 07 AUG 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 16, 34: Climbing right turn heading 240° (to assigned altitude) to intercept and proceed on AGJ R-098. Thence . . .

. . . on (transition) or (assigned route). Maintain ATC assigned altitude.

STONEWALL TRANSITION (LAMPS8.STV): From over AGJ VORTAC on AGJ R-202 and STV R-018 to STV VORTAC.

WACO TRANSITION (LAMPS8.ACT): From over AGJ VORTAC on AGJ R-036 to SONET INT, then on ACT R-271 to ACT VORTAC.

INTENTIONALLY
LEFT
BLANK

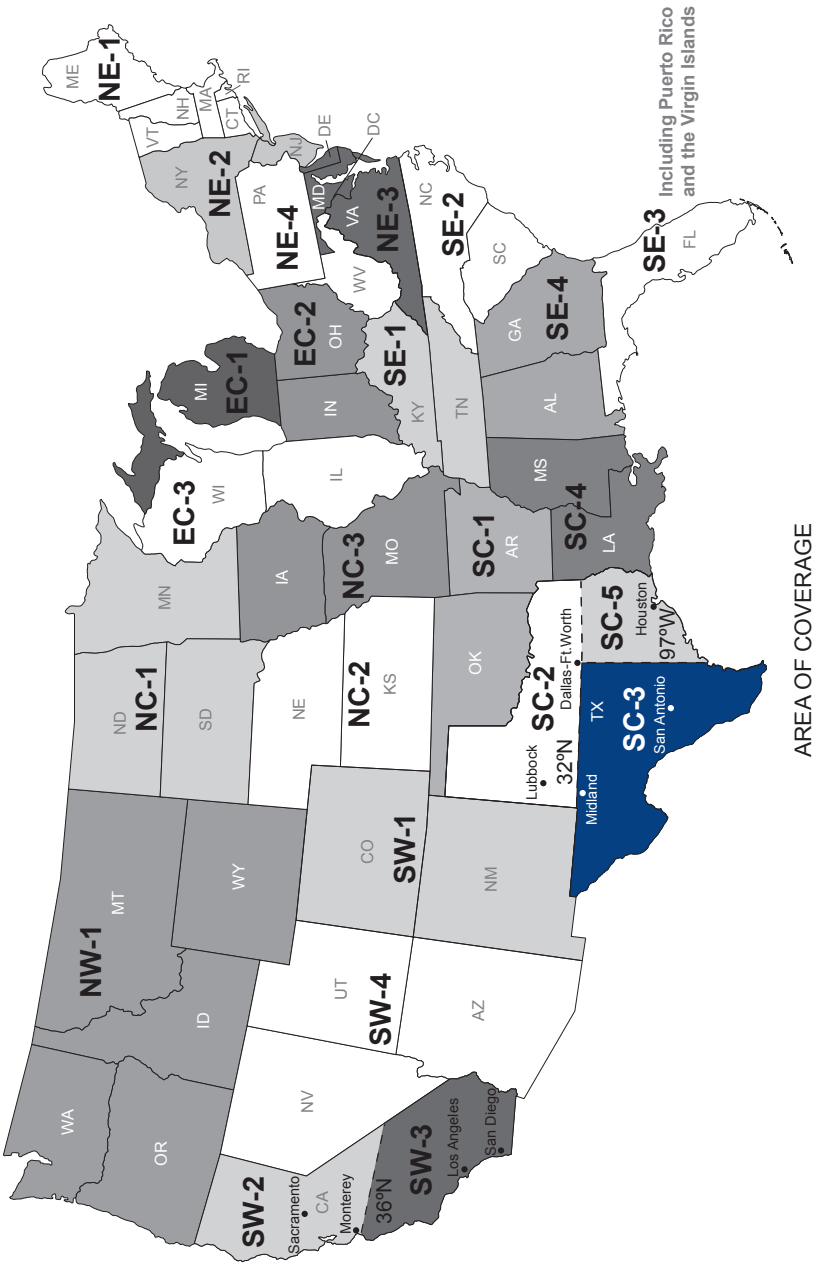
INSIDE BACK COVER

INTENTIONALLY

LEFT

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U.S. TERMINAL PUBLICATION VOLUMES



FAA Product ID: BTPPSC3



NSN 7641015059587

NGA REF. NO. OK-10-2859 TERMXFAABTTPPSC3



EFF. DATE 25163