

SC-5

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07 AUG 25 to 02 OCT 25



Federal Aviation  
Administration

TM

# U.S. Terminal Procedures Publication

South Central (SC) Vol 5 of 5

Effective: 0901Z

**07 AUG 2025**

to: 0901Z

**02 OCT 2025**

Consult the Change Notice  
(CN) effective 04 SEP 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  
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[https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/aero\\_data/](https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/)

For inquiries regarding military charts, please contact [aerohelp@nga.mil](mailto:aerohelp@nga.mil)

FOR PROCUREMENT:

For digital products, visit our website at: [https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/digital\\_products/](https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/)

For a list of approved FAA Print Providers, visit our website at:  
[https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/print\\_providers/](https://www.faa.gov/air_traffic/flight_info/aeronav/print_providers/)

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<sup>†</sup>/2000\*/2200\*

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	To RVR 4000 <sup>†</sup> 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

## TERMS/LANDING MINIMA DATA 20142

## 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	(200-½)		(300-½)		461 (500-1½)			
HAT								
MDA	361 (400-1)		461 (500-1)		461 (500-1½)		561 (600-2)	
HAA								
Visibility in Statute Miles								

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

## COPTER MINIMA ONLY

CATEGORY	COPTER	
H-176°	680-½	363 (400-½)

Copter Approach Direction

Height of MDA/DA  
Above Landing Area (HAL)

No circling minima 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/](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

## TERMS/LANDING MINIMA DATA 20142

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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:

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

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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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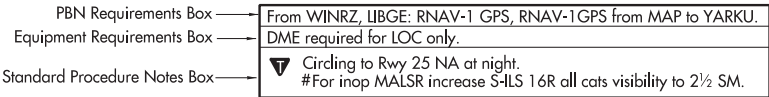
STANDARD TERMINAL ARRIVALS AND DEPARTURE PROCEDURES

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).

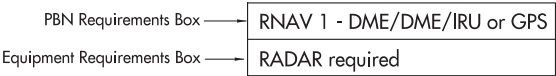
PROCEDURE PBN/EQUIPMENT REQUIREMENTS

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 "L" 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 Heliport	DTHR.....	Displaced Runway Threshold
AFIS.....	Automatic Flight Information Service	DVA.....	Diverse Vector Area
AHP.....	Army Heliport	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

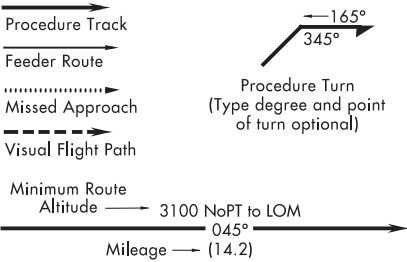
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PLANVIEW SYMBOLS

ROUTES



ALTITUDES

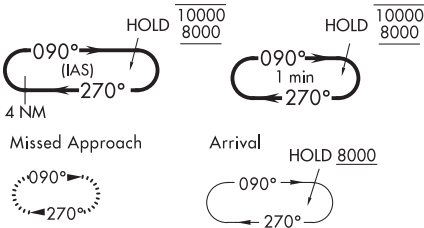
<u>5500</u> Mandatory Altitude	3000 Recommended Altitude
<u>2500</u> Minimum Altitude	<u>5000</u> Mandatory Block
4300 Maximum Altitude	3000 Altitude

INDICATED AIRSPEED

<u>175K</u>	<u>120K</u>	<u>250K</u>	180K
Mandatory Airspeed	Minimum Airspeed	Maximum Airspeed	Recommended Airspeed

HOLDING PATTERNS

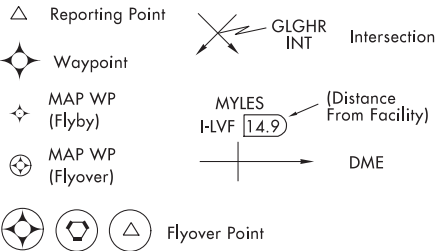
Hold-in-lieu of Procedure Turn



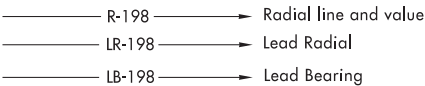
Holding pattern with maximum restricted airspeed: (175K) applies to all altitudes. (210K) applies to altitudes above 6000' to and including 14000'. Arrival Holding Pattern altitude restrictions will be indicated when they deviate from the adjacent leg.

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

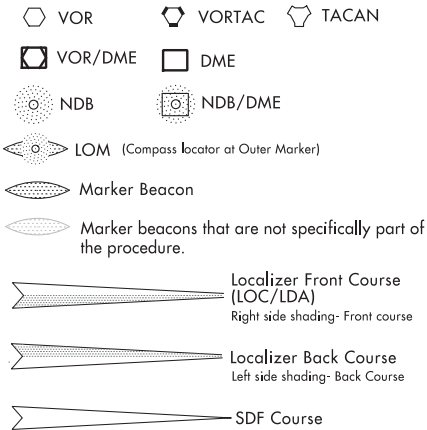


x (CFTSP) Computer Navigation Fix (CNF)-No ATC Function ("x" omitted when it is a MAP)



RADIO AIDS TO NAVIGATION

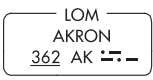
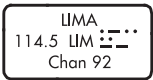
110.1 Underline indicates No Voice transmitted on this frequency



○ LOC/LDA/SDF Transmitter ⬡ LOC/DME (shown when installation is offset from its normal position off the end of the runway.)

Primary NAVAID

Secondary NAVAID



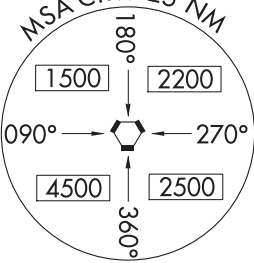
TACAN or DME NAVAID



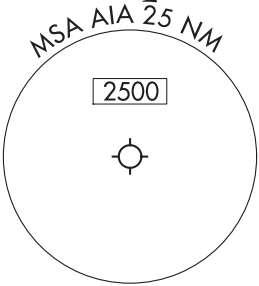
PLANVIEW SYMBOLS

MINIMUM SAFE ALTITUDE (MSA)

Facility Identifier

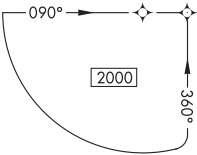
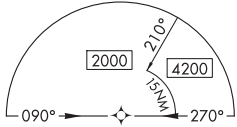


Airport Identifier

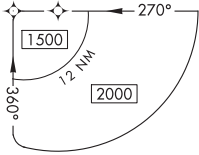


(arrows on distance circle identify sectors)

TERMINAL ARRIVAL AREA (TAA)



Right Base Area

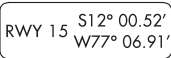


Left Base Area

MISCELLANEOUS



VOR Changeover Point



End of Rwy Coordinates  
(DoD only)



R-Restricted  
P-Prohibited  
MOA-Military Operations Area

W-Warning  
A-Alert



Distance not to scale



International Boundary



Air Defense Identification Zone

AIRPORTS



Primary and  
Secondary (named  
in planview)

Civil

Seaplane Base

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

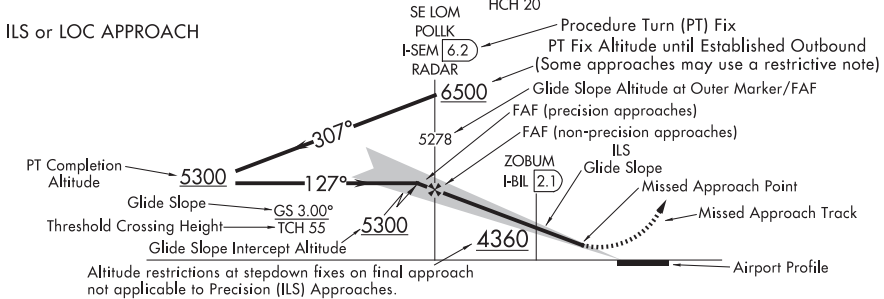
Three different methods are used to depict either electronic or vertical guidance: "GS", "GP", or "VDA".

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

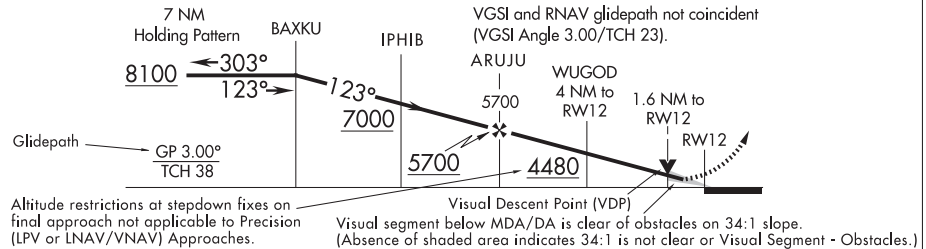
2. "GP" on GLS and RNAV procedures indicates that either electronic vertical guidance (via Wide Area Augmentation System - WAAS or Ground Based Augmentation System - GBAS) or barometric vertical guidance is provided. GLS and RNAV procedures with a published decision altitude (DA/H) depict a GP angle 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

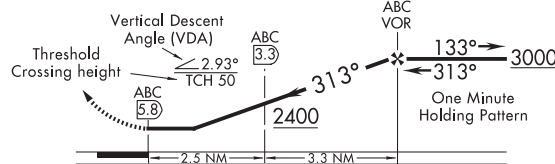
## ILS or LOC APPROACH



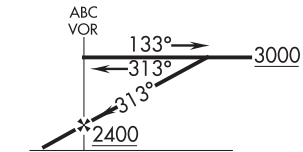
## RNAV and GLS PROCEDURES WITH VERTICAL GUIDANCE



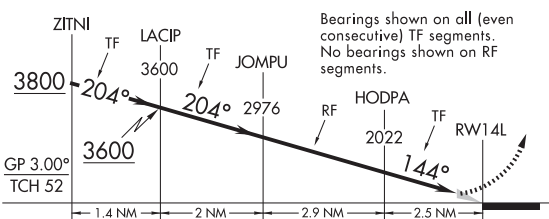
## NON-VERTICALLY GUIDED CONVENTIONAL PROCEDURES AND RNAV PROCEDURES WITH MDA ONLY



## 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

	Note: Facilities and waypoints are depicted as a solid vertical line while fixes and intersections are depicted as a dashed vertical line.

## LEGEND 24361

# LEGEND 23334 STANDARD TERMINAL ARRIVAL (STAR) CHARTS

## RADIO AIDS TO NAVIGATION

Compulsory:



Non-Compulsory:

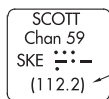


(T) indicates frequency protection range



Underline indicates no voice transmitted on this frequency

TACAN or DME NAVAID Box

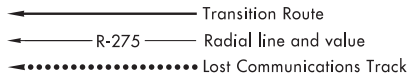


VHF Paired Frequency

(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



V12 J80 Airway/Jet Route Identification



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

## SPECIAL USE AIRSPACE



R-Restricted W-Warning  
P-Prohibited A-Alert  
MOA-Military Operations Area

## ALTITUDES

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

Waypoint (Compulsory) Waypoint (Non-Compulsory)

Flyover Point

x (CFTSP) Computer Navigation Fix (CNF) - No ATC Function

## AIRPORTS

Civil Military Joint (Civil-Military)

Airports not served by the procedure shown in screened color

Civil Military Joint (Civil-Military)

## MISCELLANEOUS

Changeover Point

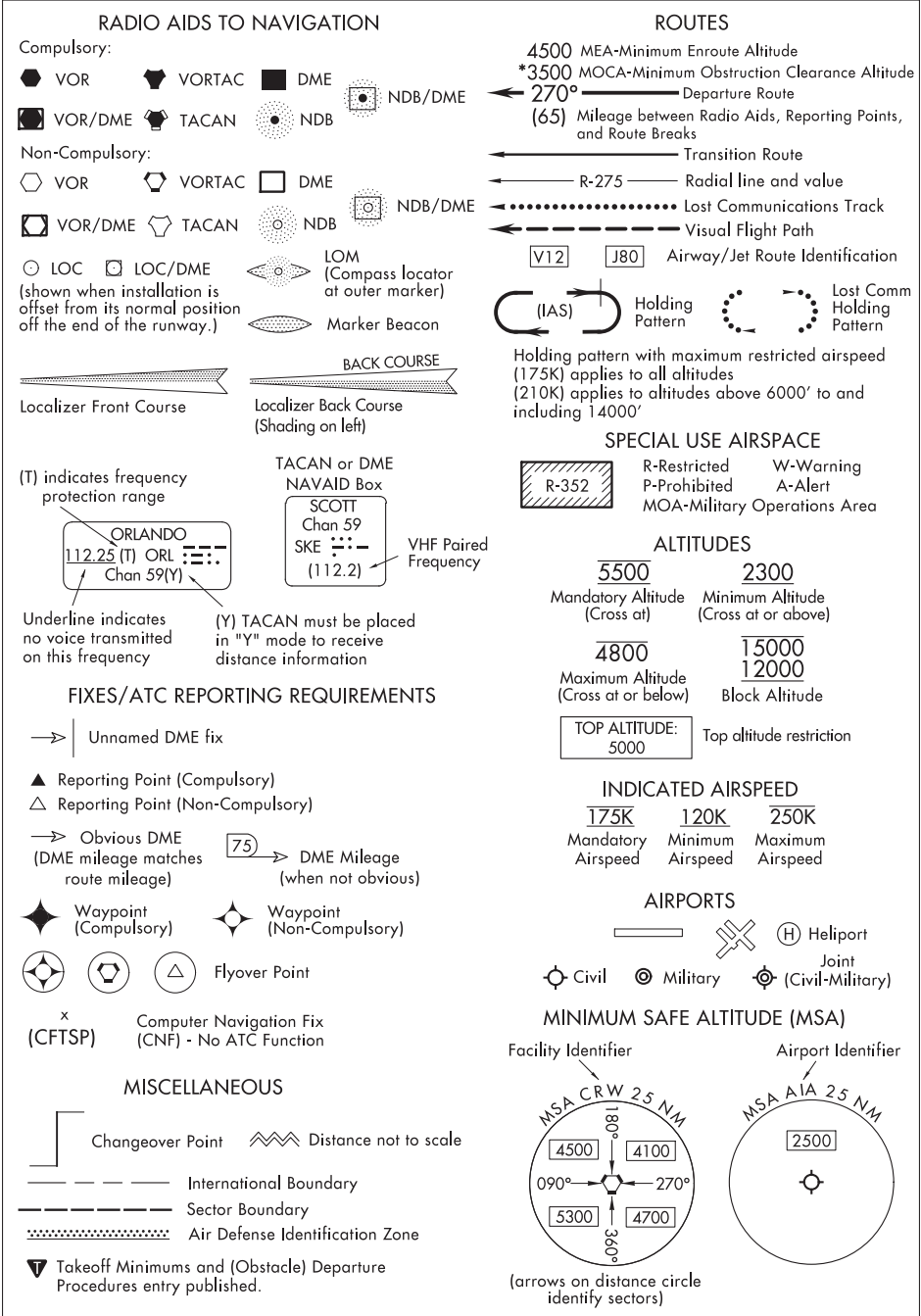
Air Defense Identification Zone

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

Hard Surface

Other Than Hard Surface

Taxiways, Parking Areas

Stopways, Overruns, Blast Pads

Metal Surface

Closed Runway

Closed Surface

Non-Movement

Under Construction

Water Runway

Helicopter Alighting Areas

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 ≥ 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 1/2 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.

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.

uni-directional

bi-directional

Jet Barrier

ARRESTING SYSTEM (EMAS)

REFERENCE FEATURES

Displaced Threshold.....

Hot Spot .....

Runway Holding Position Markings.....

Buildings.....

Self-Serve Fuel ##.....

Tanks.....

Obstructions.....

Airport Beacon #.....

Runway Radar Reflectors.....

Bridges.....

Control Tower #..... TWR

Wind Cone..... Unlit Lit

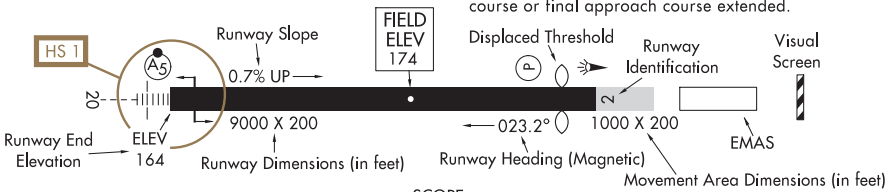
Landing Tee.....

Tetrahedron.....

# 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



SCOPE

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-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

## LEGEND 22195

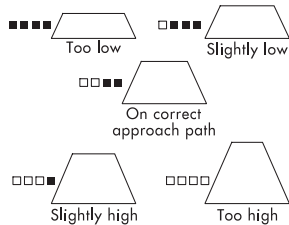
INSTRUMENT APPROACH PROCEDURES (CHARTS)  
APPROACH LIGHTING SYSTEM - UNITED STATES

Approach lighting and visual glide slope systems are indicated on the airport sketch by an identifier, (A<sub>2</sub>), (V) etc.

A dot "•" portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., (A<sub>1</sub>). Negative symbology, e.g., (A<sub>1</sub>), (V) indicates Pilot Controlled Lighting (PCL).

(P) **PRECISION APPROACH  
PATH INDICATOR**

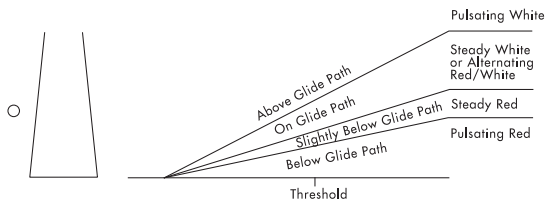
**PAPI**



Legend: □ White ■ Red

(V<sub>2</sub>) **PULSATING VISUAL APPROACH  
SLOPE INDICATOR**

**PVASI**



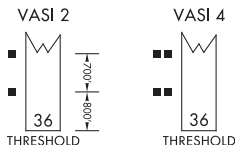
**CAUTION:** When viewing the pulsating visual approach slope indicators in the pulsating white or pulsating red sectors, it is possible to mistake this lighting aid for another aircraft or a ground vehicle. Pilots should exercise caution when using this type of system.

(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 — ON GLIDE SLOPE  
ALL LIGHTS RED — TOO LOW

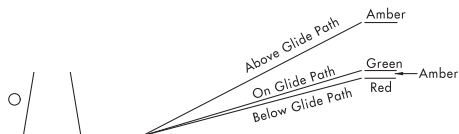


**VASI 12**



(V<sub>4</sub>) **TRI-COLOR VISUAL APPROACH  
SLOPE INDICATOR**

**TRCV**

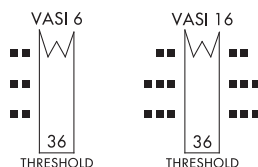


**CAUTION:** When the aircraft descends from green to red, the pilot may see a dark amber color during the transition from green to red.

(V<sub>3</sub>) **VISUAL APPROACH  
SLOPE INDICATOR**

**VASI**

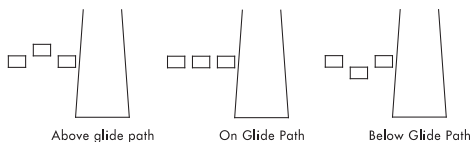
3-BAR, 6 OR 16 BOX, VISUAL APPROACH SLOPE INDICATOR THAT PROVIDES 2 GLIDE ANGLES AND 2 THRESHOLD CROSSING HEIGHTS.



(V<sub>5</sub>)

**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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**CHAMBERS COUNTY(T00)**  
TAKEOFF MINIMUMS .....L  
STARS ..... CESAN FOUR (RNAV) .....25  
          HUDZY FIVE .....Z17  
          OHIO FOUR .....Z26  
          SNDAY ONE (RNAV) .....Z34  
          TKNIQ THREE (RNAV) .....Z39  
          TSHRT TWO .....Z41  
          WAPPL SEVEN (RNAV) .....Z44  
IAPS ..... RNAV (GPS) RWY 12 .....1  
DPS ..... BLTWY SEVEN (RNAV) .....2  
          BORRN SIX (RNAV) .....3  
          HOODO SEVEN (RNAV) .....5  
          INDIE EIGHT (RNAV) .....6  
          KARRR SEVEN (RNAV) .....7  
          LURIC EIGHT (RNAV) .....9  
          MMALT SEVEN (RNAV) .....10  
          STRYA EIGHT (RNAV) .....11  
          STYCK EIGHT (RNAV) .....12  
          WATFO SIX (RNAV) .....13  
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**BAY CITY, TX**  
**BAY CITY RGNL(BYY)**  
TAKEOFF MINIMUMS .....L  
ALTERNATE MINIMUMS .....M  
STARS ..... CESAN FOUR (RNAV) .....25  
          WAPPL SEVEN (RNAV) .....Z44  
IAPS ..... RNAV (GPS) RWY 13 .....40  
          RNAV (GPS) RWY 31 .....41  
          VOR-A .....42  
DPS ..... BLTWY SEVEN (RNAV) .....43  
          INDIE EIGHT (RNAV) .....44  
          LURIC EIGHT (RNAV) .....45  
          MMALT SEVEN (RNAV) .....46  
          STRYA EIGHT (RNAV) .....47  
          STYCK EIGHT (RNAV) .....48  
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**ANGELINA COUNTY**  
**---SEE LUFKIN, TX**

**ANGLETON/LAKE JACKSON, TX**  
**TEXAS GULF COAST RGNL(LBX)**  
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          HUDZY FIVE .....Z17  
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          RNAV (GPS) RWY 17 .....16  
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          BLTWY SEVEN (RNAV) .....20  
          BORRN SIX (RNAV) .....21  
          CRIED ONE .....23  
          EL DORADO ONE .....24  
          GIFFA ONE .....25  
          HOODO SEVEN (RNAV) .....26  
          INDIE EIGHT (RNAV) .....27  
          KARRR SEVEN (RNAV) .....28  
          LEONA FOUR .....30  
          LUFKIN THREE .....32  
          LURIC EIGHT (RNAV) .....34  
          MMALT SEVEN (RNAV) .....35  
          STRYA EIGHT (RNAV) .....36  
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          HUDZY FIVE .....Z17  
          OHIO FOUR .....Z26  
          SNDAY ONE (RNAV) .....Z34  
          TKNIQ THREE (RNAV) .....Z39  
          TSHRT TWO .....Z41  
          WAPPL SEVEN (RNAV) .....Z44  
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          HUDZY FIVE .....Z17  
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          TKNIQ THREE (RNAV) .....Z39  
          TSHRT TWO .....Z41  
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              RNAV (GPS) RWY 31 .....80

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**CHAMBERS COUNTY/WINNIE STOWELL**  
**---SEE WINNIE/STOWELL, TX**

**CHEROKEE COUNTY**  
**---SEE JACKSONVILLE, TX**

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          HUDZY FIVE .....Z17  
          OHIO FOUR .....Z26  
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---SEE HOUSTON, TX

COULTER FLD

---SEE BRYAN, TX

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DAVID WAYNE HOOKS MEML

---SEE HOUSTON, TX

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EASTERWOOD FLD

---SEE COLLEGE STATION, TX

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ELLINGTON

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FAYETTE RGNL AIR CENTER

---SEE LA GRANGE, TX

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ALTERNATE MINIMUMS .....M  
STARS ....CESAN FOUR (RNAV) .....Z5  
          HUDZY FIVE .....Z17  
          KIDDZ FIVE (RNAV) .....Z19  
          OHIO FOUR .....Z26  
          SNDAY ONE (RNAV) .....Z34  
          TKNIQ THREE (RNAV) .....Z39  
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          WAPPL SEVEN (RNAV) .....Z44  
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GEORGE BUSH INTCNTL/HOUSTON

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HAWTHORNE FLD

---SEE KOUNTZE/SILSBEE, TX

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ALTERNATE MINIMUMS	M
IAPS RNAV (GPS) RWY 18	158
RNAV (GPS) RWY 36	159

HOUSTON, TX

CONROE/NORTH HOUSTON RGNL(CXO)	
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CESAN FOUR (RNAV)	Z5
HUDZY FIVE	Z17
OHIO FOUR	Z26
PIEGY ONE (RNAV)	Z27
RIICE ONE	Z30
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	GUMBY THREE (RNAV)	303		HOODO SEVEN (RNAV)	363
	HOODO SEVEN (RNAV)	305		INDIE EIGHT (RNAV)	364
	INDIE EIGHT (RNAV)	307		KARRR SEVEN (RNAV)	365
	JUNCTION ONE	308		LEONA FOUR	367
	LAKE CHARLES FIVE	309		LUFKIN THREE	369
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# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25163

## 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.

#### ANAHUAC, TX

##### CHAMBERS COUNTY (T00)

##### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10MAR11 (11069) (FAA)

##### TAKEOFF MINIMUMS:

**Rwys 17,35**, NA-Environmental.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 12**, vehicles on roadway beginning 19' from DER, left and right of centerline, up to 15' AGL/34' MSL.

Trees beginning 986' from DER, 732' left of centerline, up to 100' AGL/119' MSL.

**Rwy 30**, trees beginning 60' from DER, left and right of centerline, up to 100' AGL/124' MSL.

Vehicles on roadway 121' from DER, 512' right of centerline, up to 17' AGL/36' MSL.

Tower 2152' from DER, 593' right of centerline 60' AGL/83' MSL.

#### ANGLETON/LAKE JACKSON, TX

##### TEXAS GULF COAST RGNL (LBX)

##### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 22JUN17 (17173) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 35**, tree 1330' from DER, 797' left of centerline, 71' MSL.

Tree 1404' from DER, 796' left of centerline, 73' MSL.

Trees beginning 1467' from DER, 788' left of centerline, up to 75' MSL.

Tree 1474' from DER, 670' right of centerline, 72' MSL.

Tree 1516' from DER, 684' right of centerline, 73' MSL.

Tree 1578' from DER, 759' right of centerline, 74' MSL.

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

25163

## BAY CITY, TX

BAY CITY RGNL (BYY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22JUN17 (17173) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 13**, trees and poles beginning 51' from DER, 306' left of centerline, up to 91' MSL.

Tree 337' from DER, 442' right of centerline, 79' MSL. Tree 478' from DER, 473' right of centerline, 83' MSL.

Trees beginning 714' from DER, 496' right of centerline, up to 86' MSL.

**Rwy 31**, tree 102' from DER, 340' right of centerline, 61' MSL.

Tree 548' from DER, 272' left of centerline, 59' MSL.

Tree 944' from DER, 272' right of centerline, 70' MSL.

Trees beginning 1002' from DER, 255' right of centerline, up to 78' MSL.

Tree 1139' from DER, 750' right of centerline, 80' MSL.

## BAYTOWN, TX

BAYTOWN (HPY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 10OCT19 (19283) (FAA)

TAKEOFF MINIMUMS:

**Rwy 14**, 300-1 or std. w/min. climb of 460' per NM to 300.

TAKEOFF OBSTACLE NOTES:

**Rwy 14**, tree 9' from DER, 214' left of centerline, 47' MSL.

Trees, poles, traverse way beginning 11' from DER, 33' right of centerline, up to 54' MSL.

Tree 89' from DER, 413' left of centerline, 51' MSL.

Poles, building, trees, traverse way beginning 122' from DER, 9' left of centerline, up to 58' MSL.

Trees, poles beginning 316' from DER, 158' left of centerline, up to 66' MSL.

Poles, trees beginning 462' from DER, 237' left of centerline, up to 67' MSL.

Tree 977' from DER, 447' left of centerline, 68' MSL.

Tree 1223' from DER, 90' left of centerline, 70' MSL.

Tree 1356' from DER, 427' left of centerline, 72' MSL.

Tree 1467' from DER, 531' right of centerline, 80' MSL.

Tree 1886' from DER, 558' left of centerline, 91' MSL.

Tower 4066' from DER, 1217' right of centerline, 156' AGL/180' MSL.

**Rwy 32**, trees, building, fence, poles beginning 131' from DER, 6' right of centerline, up to 76' MSL.

Buildings beginning 251' from DER, 38' left of centerline, up to 42' MSL.

Poles, building, trees, traverse way beginning 289' from DER, 4' left of centerline, up to 38' AGL/71' MSL.

Poles, trees beginning 688' from DER, 70' right of centerline, up to 48' AGL/80' MSL.

## RWJ AIRPARK (54T)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 25APR19 (19115) (FAA)

TAKEOFF MINIMUMS:

**Rwys 14, 32**, NA - Environmental.

TAKEOFF OBSTACLE NOTES:

**Rwy 8**, trees beginning 21' from DER, 152' left of centerline, up to 100' AGL/129' MSL.

Vehicle on road beginning 100' from DER, crossing centerline, up to 15' AGL/44' MSL.

Fence beginning abeam DER, 115' right of centerline, up to 6' AGL/35' MSL.

Trees beginning 133' from DER, 333' right of centerline, up to 100' AGL/129' MSL.

Buildings beginning 266' from DER, left and right of centerline, up to 30' AGL/59' MSL.

Power lines beginning 356' from DER, 460' left of centerline, up to 32' AGL/61' MSL.

Pole 663' from DER, 188' right of centerline, 100' AGL/129' MSL.

**Rwy 26**, buildings beginning 47' from DER, 118' right of centerline, up to 30' AGL/64' MSL.

Buildings beginning 187' from DER, 85' left of centerline, up to 30' AGL/64' MSL.

Power lines beginning 407' from DER, crossing centerline, up to 32' AGL/66' MSL.

Vehicle on road beginning 448' from DER, crossing centerline, up to 15' AGL/49' MSL.

Trees beginning 619' from DER, left and right of centerline, up to 100' AGL/134' MSL.

Quarry equipment 2800' from DER, 193' right of centerline, up to 100' AGL/134' MSL.

## BEAUMONT, TX

BEAUMONT MUNI (BMT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JAN09 (09015) (FAA)

TAKEOFF MINIMUMS:

**Rwys 16,34**, NA - Obstacles.

TAKEOFF OBSTACLE NOTES:

**Rwy 13**, multiple trees, poles and buildings beginning 82' from DER, 2' left of centerline, up to 74' AGL/106' MSL.

Multiple trees, poles and signs beginning 441' from DER, 22' right of centerline, up to 73' AGL/105' MSL.

Vehicle on road 152' from DER, 428' left of centerline, 15' AGL/46' MSL.

Train on railroad 545' from DER, 506' right of centerline, 23' AGL/57' MSL.

**Rwy 31**, multiple trees, poles and transmission line towers beginning 81' from DER, 2' left of centerline, up to 64' AGL/94' MSL.

Multiple trees, poles, and transmission line towers beginning 241' from DER, 4' right of centerline, up to 56' AGL/88' MSL.

Train on railroad 375' from DER, 354' right of centerline, 23' AGL/55' 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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## BEAUMONT/PORT ARTHUR, TX

JACK BROOKS RGNL (BPT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17DEC09 (09351) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 12**, multiple trees beginning 1024' from DER, 202' left of centerline, up to 43' AGL/48' MSL.  
Trees 1676' from DER, 778' right of centerline, 51' AGL/56' MSL.

**Rwy 16**, multiple trees beginning 580' from DER, 519' right of centerline, up to 51' AGL/56' MSL.

**Rwy 30**, trees 1005' from DER, 629' right of centerline, 54' AGL/64' MSL.

Multiple trees beginning 1041' from DER, 617' left of centerline, up to 67' AGL/77' MSL.

**Rwy 34**, building 770' from DER, 386' right of centerline, 28' AGL/38' MSL.

Multiple trees beginning 1274' from DER, 398' right of centerline, up to 70' AGL/80' MSL.

Multiple trees beginning 1288' from DER, 218' left of centerline, up to 72' AGL/82' MSL.

Tower 1487' from DER, 398' right of centerline, 60' AGL/75' MSL.

## BRENHAM, TX

BRENHAM MUNI (11R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 11FEB10 (10042) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 16**, trees and poles beginning 45' from DER, 272' right of centerline to 305' left of centerline, up to 89' AGL/299' MSL.

**Rwy 34**, trees beginning 18' from DER, 325' right of centerline to 380' left of centerline, up to 61' AGL/351' MSL.

## BRYAN, TX

COULTER FLD (CFD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05JUL07 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 15**, vehicle on road 266' from DER, on centerline, 17' AGL/386' MSL.

Multiple trees and poles beginning 169' from DER, 339' right of centerline, up to 20' AGL/389' MSL.

Multiple trees and poles beginning 203' from DER, 245' left of centerline, up to 35' AGL/400' MSL.

**Rwy 33**, multiple poles and T-L towers beginning 36' from DER, 207' left of centerline, up to 35' AGL/382' MSL.

Trees 508' from DER, 290' right of centerline, 25' AGL/371' MSL.

## CALDWELL, TX

CALDWELL MUNI (RWV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20SEP12 (12264) (FAA)

TAKEOFF MINIMUMS:

**Rwy 33**, 300-1 or std. w/min. climb of 778' per NM to 800.

TAKEOFF OBSTACLE NOTES:

**Rwy 15**, trees beginning 323' from DER, left and right of centerline, up to 40' AGL/399' MSL.

Train on tracks 372' from DER, left and right of centerline, up to 23' AGL/382' MSL.

Power lines beginning 1896' from DER, left and right of centerline, up to 100' AGL/499' MSL.

**Rwy 33**, trees beginning 5' from DER, left and right of centerline, up to 40' AGL/449' MSL.

Power lines beginning 925' from DER, left and right of centerline, up to 50' AGL/499' MSL.

Water tank 3624' from DER, 1031' left of centerline 215' AGL/648' MSL.

## CENTER, TX

CENTER MUNI (F17)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

DEPARTURE PROCEDURE:

**Rwy 17**, climb heading 167° to 1000 before turning right.

TAKEOFF OBSTACLE NOTES:

**Rwy 17**, numerous trees beginning 326' from DER, 432' right and left of centerline, up to 100' AGL/414' MSL.

Vehicle on road 234' from DER, 530' left of centerline, up to 15' AGL/314' MSL.

**Rwy 35**, numerous trees beginning 1724' from DER, 388' left and right of centerline, up to 100' AGL/459' MSL. Vehicle on road 1091' from DER, 742' right of centerline, up to 15' AGL/354' 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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## CLEVELAND, TX

### CLEVELAND MUNI (6R3)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22SEP11 (11265) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 16**, climb heading 157° to 1400 before turning right.**Rwy 34**, climb heading 312° to 2000 before proceeding on course.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 16**, trees beginning abeam DER, right and left of centerline, up to 100' AGL/239' MSL.**Rwy 34**, trees beginning 120' from DER, 243' left of centerline, up to 100' AGL/259' MSL.

Trees and poles beginning 225' from DER, 363' right of centerline, up to 100' AGL/220' MSL.

Vehicles on road 738' from DER, right and left of centerline, up to 19' AGL/169' MSL.

## COLLEGE STATION, TX

### EASTERWOOD FLD (CLL)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 28FEB19 (21112) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 35**, climb heading 346° to 900 before turning right.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 11**, traverse way 5' from DER, 275' right of centerline, 322' MSL.

Tree 8' from DER, 497' right of centerline, 40' AGL/346' MSL.

Tree 10' from DER, 323' right of centerline, 39' AGL/347' MSL.

Pole 10' from DER, 55' left of centerline, 2' AGL/312' MSL.

Tree, traverse way beginning 44' from DER, 162' right of centerline, up to 44' AGL/352' MSL.

Electrical system 139' from DER, 498' left of centerline, 315' MSL.

Tree 496' from DER, 30' left of centerline, 42' AGL/325' MSL.

Trees beginning 497' from DER, 101' left of centerline, up to 331' MSL.

Elevator, building beginning 1888' from DER, 704' left of centerline, up to 64' AGL/366' MSL.

Transmission line 2483' from DER, 1148' left of centerline, 374' MSL.

**Rwy 29**, pole 11' from DER, 55' right of centerline, 1' AGL/320' MSL.

Tree 30' from DER, 414' left of centerline, 322' MSL.

Tree 135' from DER, 530' left of centerline, 343' MSL.

Trees beginning 305' from DER, 533' left of centerline, up to 361' MSL.

Trees beginning 536' from DER, 561' right of centerline, up to 346' MSL.

Tree 838' from DER, 665' right of centerline, 348' MSL.

Trees beginning 1010' from DER, 371' left of centerline, up to 362' MSL.

Pole beginning 1083' from DER, 692' right of centerline, up to 358' MSL.

Trees beginning 1174' from DER, 244' left of centerline, up to 363' MSL.

Tree, pole beginning 1257' from DER, 251' left of centerline, up to 365' MSL.

Trees beginning 1429' from DER, 420' right of centerline, up to 366' MSL.

Trees beginning 1542' from DER, 528' right of centerline, up to 370' MSL.

Pole beginning 1735' from DER, 278' left of centerline, up to 42' AGL/367' MSL.

Trees beginning 1865' from DER, 87' right of centerline, up to 379' MSL.

Tree, pole beginning 1879' from DER, 37' left of centerline, up to 49' AGL/369' MSL.

Trees beginning 1945' from DER, 65' left of centerline, up to 48' AGL/371' MSL.

Tree 2059' from DER, 378' left of centerline, 372' MSL.

**Rwy 35**, pole 11' from DER, 55' left of centerline, 1' AGL/321' MSL.

Sign 23' from DER, 251' left of centerline, 322' MSL.

Tree 232' from DER, 552' left of centerline, 38' AGL/361' MSL.

Trees beginning 297' from DER, 460' left of centerline, up to 41' AGL/364' MSL.

Tree 774' from DER, 598' right of centerline, 341' MSL.

Tree 808' from DER, 607' right of centerline, 349' MSL.

Tree, building beginning 883' from DER, 235' left of centerline, up to 366' MSL.

Tree 1085' from DER, 649' right of centerline, 355' MSL.

Tree 1181' from DER, 719' right of centerline, 356' MSL.

Pole 1552' from DER, 818' left of centerline, 376' MSL.

Trees beginning 1740' from DER, 751' left of centerline, up to 380' MSL.

## CROCKETT, TX

### HOUSTON COUNTY (DKR)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15DEC11 (11349) (FAA)

##### TAKEOFF MINIMUMS:

**Rwy 2**, 400-2 or std. w/min. climb of 280' per NM to 800.**Rwy 20**, 300-1½ or std. w/min. climb of 459' per NM to 700.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 2**, multiple trees beginning 57' from DER, 61' right of centerline, up to 50' AGL/399' MSL.

Multiple trees and terrain beginning 27' from DER, 109' left of centerline, up to 50' AGL/409' MSL.

Tower 1.5 NM from DER, 2864' left of centerline 233' AGL/623' MSL.

**Rwy 20**, multiple towers beginning 4567' from DER, 1025' right of centerline, up to 200' AGL/529' MSL.

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

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## EAGLE LAKE, TX

### EAGLE LAKE (ELA)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05DEC19 (19339) (FAA)

##### TAKEOFF MINIMUMS:

**Rwy 17**, 300-2¼, or std. w/min. climb of 210' per NM to 400.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 17**, vehicles on road, tree, vegetation beginning 38' from DER, 126' left of centerline, up to 197' MSL.

Tree 153' from DER, 110' left of centerline, 202' MSL.

Vehicles on road, tree beginning 155' from DER, 6' right of centerline, up to 197' MSL.

Trees beginning 155' from DER, 12' left of centerline, up to 36' AGL/216' MSL.

Trees, vehicles on road beginning 216' from DER, 205' right of centerline, up to 212' MSL.

Trees beginning 270' from DER, 357' left of centerline, up to 40' AGL/220' MSL.

Tree 1682' from DER, 458' left of centerline, 233' MSL.

Tower 2588' from DER, 792' left of centerline, 192' AGL/317' MSL.

Tower 1.7 NM from DER, 3144' right of centerline, 270' AGL/443' MSL.

**Rwy 35**, terrain beginning 5' from DER, 287' left of centerline, up to 186' MSL.

Terrain 9' from DER, 270' right of centerline, 185' MSL.

Trees beginning 96' from DER, 271' right of centerline, up to 17' AGL/199' MSL.

Vegetation 116' from DER, 366' left of centerline, 193' MSL.

Trees, vehicles on road, pole beginning 323' from DER, 127' left of centerline, up to 219' MSL.

Tree 641' from DER, 21' right of centerline, 200' MSL.

Tree 696' from DER, 31' right of centerline, 202' MSL.

Tree, vehicles on road beginning 702' from DER, 16' right of centerline, up to 207' MSL.

Pole 1055' from DER, 441' right of centerline, 219' MSL.

Tree, poles beginning 1062' from DER, 580' right of centerline, up to 223' MSL.

## EDNA, TX

### JACKSON COUNTY (26R)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10DEC15 (15344) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 15**, trees beginning 758' from DER, left and right of centerline, up to 20' AGL/84' MSL.

**Rwy 33**, vehicle on road beginning 292' from DER, 576' left of centerline, up to 15' AGL/79' MSL.

Power poles beginning 783' from DER, 397' left of centerline, 40' AGL/104' MSL.

Power pole 1169' from DER, 506' right of centerline, 40' AGL/104' MSL.

## GALVESTON, TX

### SCHOLES INTL AT GALVESTON (GLS)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 22AUG13 (13234) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 32**, climb heading 318° to 800 before turning left.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 14**, building 2614' from DER, 376' right of centerline, 76' AGL/81' MSL.

**Rwy 18**, buildings beginning 2560' from DER, 284' left of centerline, up to 121' AGL/178' MSL.

T-L tower 636' from DER, 551' right of centerline, 55' AGL/60' MSL.

Trees and poles beginning 50' from DER, 75' right of centerline, up to 60' AGL/65' MSL.

**Rwy 32**, crane 4434' from DER, 1081' left of centerline, 131' AGL/131' MSL.

**Rwy 36**, bush 419' from DER, 577' left of centerline, 12' AGL/17' MSL.

Tree 526' from DER, 371' left of centerline, 14' AGL/19' MSL.

Trees beginning 713' from DER, 383' right of centerline, up to 27' AGL/32' MSL.

## GIDDINGS, TX

### GIDDINGS-LEE COUNTY (GYB)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 17**, numerous trees beginning 720' from DER, 58' right of centerline, up to 50' AGL/479' MSL.

Numerous trees beginning 754' from DER, 340' left of centerline, up to 50' AGL/479' MSL.

**Rwy 35**, numerous trees beginning 613' from DER, 272' right of centerline, up to 50' AGL/539' MSL.

Numerous trees beginning 558' from DER, 265' left of centerline, up to 50' AGL/559' MSL.

Vehicle on road 516' from DER, 246' left of centerline, 15' AGL/514' 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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## HOUSTON, TX

CONROE/NORTH HOUSTON RGNL (CXO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 22JUN17 (21336) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 1**, tree 829' from DER, 548' right of centerline, 297' MSL.  
 Tree 1252' from DER, 553' right of centerline, 312' MSL.  
 Trees beginning 1609' from DER, 300' left of centerline, up to 322' MSL.  
 Trees beginning 3635' from DER, 464' left of centerline, up to 327' MSL.  
 Tree 3830' from DER, 580' right of centerline, 347' MSL.  
 Tree 4658' from DER, 135' right of centerline, 348' MSL.  
**Rwy 14**, NAVAID 399' from DER, 266' right of centerline, 20' AGL/255' MSL.  
 Tree 1478' from DER, 691' right of centerline, 291' MSL.  
 Tree 1653' from DER, 682' left of centerline, 294' MSL.  
 Tree 2129' from DER, 80' right of centerline, 306' MSL.  
 Tree 2153' from DER, 407' left of centerline, 300' MSL.  
**Rwy 19**, tree 1' from DER, 474' left of centerline, 292' MSL.  
 Trees beginning 16' from DER, 264' left of centerline, up to 295' MSL.  
 Tree 67' from DER, 322' right of centerline, 263' MSL.  
 Trees beginning 855' from DER, 324' right of centerline, up to 303' MSL.  
 Trees beginning 2139' from DER, 65' right of centerline, up to 316' MSL.  
 Trees beginning 2365' from DER, 331' left of centerline, up to 312' MSL.  
 Trees beginning 2475' from DER, 158' left of centerline, up to 315' MSL.  
 Tree 3423' from DER, 123' right of centerline, 323' MSL.

## DAVID WAYNE HOOKS MEML (DWH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 20APR23 (23110) (FAA)

TAKEOFF MINIMUMS:

**Rwys 17L, 35R**, NA-Environmental.**Waterways 17, 35**, NA-Air traffic.

TAKEOFF OBSTACLE NOTES:

**Rwy 17R**, trees, pole beginning 84' from DER, 294' right of centerline, up to 189' MSL.  
 Building 432' from DER, 526' left of centerline, 27' AGL/172' MSL.  
 Building, NAVAID beginning 643' from DER, 256' left of centerline, up to 29' AGL/173' MSL.  
 Trees beginning 708' from DER, 430' left of centerline, up to 188' MSL.  
 Tree 1383' from DER, 860' right of centerline, 190' MSL.  
 Tree 1514' from DER, 164' left of centerline, 189' MSL.  
 Trees beginning 1648' from DER, 394' left of centerline, up to 197' MSL.  
 Trees beginning 2100' from DER, 67' left of centerline, up to 214' MSL.  
 Tree 2407' from DER, 188' left of centerline, 215' MSL.  
 Tree 2469' from DER, 81' left of centerline, 217' MSL.  
 Trees beginning 2743' from DER, 163' left of centerline, up to 220' MSL.  
**Rwy 35L**, building, pole, tree beginning 85' from DER, 68' left of centerline, up to 48' AGL/202' MSL.  
 Tree, vehicle on road beginning 100' from DER, on centerline, up to 175' MSL.  
 Tree 487' from DER, 488' right of centerline, 200' MSL.  
 Trees beginning 750' from DER, 123' right of centerline, up to 203' MSL.  
 Tree, building, pole beginning 797' from DER, 42' left of centerline, up to 211' MSL.  
 Tree, pole beginning 868' from DER, 144' right of centerline, up to 228' MSL.  
 Tree 898' from DER, 283' left of centerline, 223' MSL.  
 Tree, pole beginning 930' from DER, 31' left of centerline, up to 226' MSL.  
 Trees beginning 1190' from DER, 613' right of centerline, up to 233' MSL.  
 Tree 1266' from DER, 330' left of centerline, 228' MSL.  
 Tree 1333' from DER, 76' left of centerline, 231' MSL.  
 Tree, building, transmission line beginning 1342' from DER, 152' left of centerline, up to 233' MSL.  
 Transmission line, tree beginning 1428' from DER, 245' right of centerline, up to 107' AGL/254' MSL.  
 Building 1649' from DER, 252' left of centerline, 48' AGL/199' MSL.  
 Tree, transmission line beginning 2084' from DER, 569' left of centerline, up to 238' MSL.

## ELLINGTON (EFD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 10JAN13 (13010) (FAA)

TAKEOFF MINIMUMS:

**Rwy 22**, 200-1% or std w/min. climb of 214' per NM to 300, or alternatively with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1400' prior to DER.

TAKEOFF OBSTACLE NOTES:

**Rwy 4**, tree 1526' from DER, 737' right of centerline, 39' AGL/69' MSL.  
**Rwy 17R**, pole 1488' from DER, 817' right of centerline, 40' AGL/74' MSL.  
**Rwy 22**, obstruction light on GS and equipment 321' from DER, 544' left of centerline, 39' AGL/68' MSL.  
 Sign 213' from DER, 472' right of centerline, 6' AGL/32' MSL.  
 Antenna on building 1998' from DER, 598' right of centerline, 54' AGL/83' MSL.  
 Obstruction light on communication equipment and antenna 1626' from DER, 837' right of centerline, 88' AGL/114' MSL.  
 Obstruction light on water tower and tank 6114' from DER, 1635' right of centerline, 159' AGL/192' 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)

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## HOUSTON, TX (CON'T)

### ELLINGTON (EFD) (CON'T)

**Rwy 35L**, trees beginning 1119' from DER, 679' right of centerline, up to 37' AGL/77' MSL.

Crane 2353' from DER, 1024' left of centerline, 58' AGL/97' MSL.

**Rwy 35R**, tree 1597' from DER, 32' left of centerline, 50' AGL/80' MSL.

Tank 2639' from DER, 1157' right of centerline, 77' AGL/109' MSL.

## GEORGE BUSH INTCNL/HOUSTON (IAH)

### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05JUN08 (21112) (FAA)

#### TAKEOFF OBSTACLE NOTES:

**Rwy 8L**, tree 2866' from DER, 921' left of centerline, 107' AGL/201' MSL.

Multiple trees beginning 2750' from DER, 106' right of centerline, up to 80' AGL/174' MSL.

**Rwy 15L**, multiple trees 2638' from DER, 758' right of centerline, up to 76' AGL/160' MSL.

**Rwy 15R**, tower 1431' from DER, 591' left of centerline, 48' AGL/133' MSL.

Antenna on glideslope 1469' from DER, 621' left of centerline, 49' AGL/133' MSL.

**Rwy 26R**, pole 950' from DER, 660' right of centerline, 40' AGL/129' MSL.

**Rwy 33R**, tree 2868' from DER, 1027' right of centerline, 73' AGL/172' MSL.

## HOUSTON EXEC (TME)

### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30AUG07 (21112) (FAA)

#### DEPARTURE PROCEDURE:

**Rwy 36**, climb heading 355° to 700 before turning east.

#### TAKEOFF OBSTACLE NOTES:

**Rwy 36**, power poles from left to right beginning 703' from DER, 623' left to 685' right of centerline, up to 32' AGL/196' MSL.

## HOUSTON/SOUTHWEST (AXH)

### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 05JUN08 (21336) (FAA)

#### DEPARTURE PROCEDURE:

**Rwy 9**, climb heading 089° to 2000 before turning left.

**Rwy 27**, climb heading 269° to 2200 before turning right.

#### TAKEOFF OBSTACLE NOTES:

**Rwy 9**, multiple hangars beginning 239' from DER, 360' right of centerline, up to 42' AGL/106' MSL.

Multiple trees beginning 501' from DER, 355' right of centerline, up to 43' AGL/111' MSL.

Multiple hangars beginning 119' from DER, 498' left of centerline, up to 41' AGL/105' MSL.

Pole 332' from DER, 299' left of centerline, 43' AGL/97' MSL.

Antenna 1172' from DER, 658' left of centerline, 51' AGL/115' MSL.

Multiple trees beginning 558' from DER, 68' left of centerline, up to 58' AGL/122' MSL.

**Rwy 27**, multiple trees beginning 1050' from DER, 40' left of centerline, up to 71' AGL/140' MSL.

Vehicle and road 99' from DER, 291' right of centerline, 15' AGL/83' MSL.

Multiple trees beginning 873' from DER, 514' right of centerline, up to 59' AGL/130' MSL.

Multiple transmission poles beginning 1304' from DER, 131' right of centerline, up to 41' AGL/110' MSL.

## PEARLAND RGNL (LVJ)

### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 03APR14 (14093) (FAA)

#### DEPARTURE PROCEDURE:

**Rwy 14**, climb heading 142° to 1600 before turning right.

**Rwy 32**, climb heading 322° to 700 before proceeding on course.

#### TAKEOFF OBSTACLE NOTES:

**Rwy 14**, vehicles on road beginning 11' from DER, 450' right of centerline, up to 15' AGL/54' MSL.

Hangers 99' from DER, 521' left of centerline, up to 13' AGL/53' MSL.

Trees beginning 102' from DER, 328' left of centerline, up to 27' AGL/71' MSL.

Trees beginning 199' from DER, 307' right of centerline, up to 64' AGL/98' MSL.

Vehicles on road beginning 364' from DER, left and right of centerline, up to 15' AGL/59' MSL.

Trees beginning 618' from DER, 331' left of centerline, up to 32' AGL/71' MSL.

Trees beginning 983' from DER, 94' right of centerline, up to 20' AGL/90' MSL.

Trees beginning 1251' from DER, 72' left of centerline, up to 60' AGL/94' MSL.

**Rwy 32**, multiple trees beginning 30' from DER, 142' right of centerline, up to 59' AGL/100' MSL.

Multiple trees beginning 41' from DER, 200' left of centerline, up to 74' AGL/118' MSL.

Pole 68' from DER, 107' right of centerline, 26' AGL/70' MSL.

Multiple buildings and poles beginning 103' from DER, 235' right of centerline, up to 34' AGL/78' MSL.

Vehicles on road 513' from DER, left and right of centerline, 15' AGL/59' MSL.

Multiple poles and trees beginning 605' from DER, left and right of centerline up to 84' AGL/128' MSL.

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

25163

SC-5

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

25163

## HOUSTON, TX (CON'T)

### SUGAR LAND RGNL (SGR)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7A 20SEP12 (12264) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 17**, climb heading 170° to 1500 before turning eastbound.

**Rwy 35**, climb heading 350° to 1100 before turning southbound.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 17**, multiple poles beginning 436' from DER, 172' right of centerline, up to 44' AGL/124' MSL.

Railroad 110' from DER, 10' left of centerline, 23' AGL/104' MSL.

Multiple poles beginning 135' from DER, 270' left of centerline, up to 44' AGL/ 111' MSL.

Building 1036' from DER, 743' right of centerline, 26' AGL/102' MSL.

**Rwy 35**, vehicle and road 65' from DER, 2' right of centerline, 15' AGL/ 96' MSL.

Multiple trees beginning 37' from DER, 275' right of centerline, up to 81' AGL/164' MSL.

DME antenna 380' from DER, 253' right of centerline, 24' AGL/100' MSL.

Multiple trees beginning 83' from DER, 65' left of centerline, up to 81' AGL/155' MSL.

## WEST HOUSTON (IWS)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 20SEP12 (12264) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 15**, road and vehicle beginning 74' from DER, 60' left of centerline, up to 15' AGL/123' MSL.

Road and vehicle beginning 342' from DER, 6' right of centerline, up 15' AGL/123' MSL.

Building 177' from DER, 398' left of centerline, 18' AGL/126' MSL.

Light pole 942' from DER, 453' right of centerline, 39' AGL/145' MSL.

Trees beginning 307' from DER, 26 left of centerline, up to 58' AGL/165' MSL.

Trees beginning 130' from DER, 117' right of centerline, up to 100' AGL/208' MSL.

**Rwy 33**, trees beginning 168' from DER, 9' left of centerline, up to 70' AGL/179' MSL.

Trees beginning 66' from DER, 3' right of centerline, up to 75' AGL/184' MSL.

## WILLIAM P HOBBY (HOU)

AMDT 7A 07OCT21 (21280) (FAA)

##### TAKEOFF MINIMUMS:

**Rwy 22**, std. w/min. climb of 290' per NM to 2700.

##### DEPARTURE PROCEDURE:

**Rwys 31L/R**, climb on heading 311° to 800 before turning westbound.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 4**, lighting beginning 2' from DER, 85' left of centerline, up to 1' AGL/39' MSL.

Lighting beginning 2' from DER, 84' right of centerline, up to 1' AGL/39' MSL.

Lighting beginning 9' from DER, 4' left of centerline, up to 1' AGL/40' MSL.

Lighting beginning 9' from DER, 5' right of centerline, up to 1' AGL/40' MSL.

Building 1562' from DER, 858' right of centerline, 69' AGL/103' MSL.

Tree 2399' from DER, 154' left of centerline, 66' AGL/99' MSL.

Pole beginning 4403' from DER, 767' right of centerline, up to 121' AGL/166' MSL.

**Rwy 13L**, tree, lighting, sign beginning 3' from DER, 39' right of centerline, up to 75' AGL/115' MSL.

Lighting beginning 9' from DER, 39' left of centerline, up to 1' AGL/40' MSL.

Sign 26' from DER, 149' left of centerline, 2' AGL/42' MSL.

Trees, building, tree beginning 174' from DER, 9' left of centerline, up to 75' AGL/115' MSL.

Trees beginning 423' from DER, 24' right of centerline, up to 75' AGL/118' MSL.

Trees beginning 2389' from DER, 55' left of centerline, up to 75' AGL/118' MSL.

Trees 2448' from DER, 1149' right of centerline, 75' AGL/121' MSL.

**Rwy 13R**, lighting beginning 12' from DER, 85' right of centerline, up to 1' AGL/42' MSL.

Lighting beginning 12' from DER, 94' left of centerline, up to 1' AGL/42' MSL.

Lighting 41' from DER, 115' left of centerline, 3' AGL/44' MSL.

Lighting 42' from DER, 114' right of centerline, 2' AGL/43' MSL.

Fence 87' from DER, 492' left of centerline, 7' AGL/45' MSL.

Traverse way 178' from DER, 497' left of centerline, 55' MSL.

Traverse way 516' from DER, 542' right of centerline, 55' MSL.

Pole, tree beginning 752' from DER, 686' left of centerline, up to 50' AGL/90' MSL.

Trees beginning 1113' from DER, 737' right of centerline, up to 58' AGL/98' MSL.

Tree 1930' from DER, 905' left of centerline, 50' AGL/92' MSL.

Tree 2313' from DER, 948' right of centerline, 58' AGL/101' MSL.

Tree 2365' from DER, 1030' right of centerline, 59' AGL/105' MSL.

Tree 2716' from DER, 1128' right of centerline, 70' AGL/117' MSL.

**Rwy 22**, lighting beginning 5' from DER, 84' right of centerline, up to 1' AGL/43' MSL.

Pole, tree beginning 727' from DER, 626' right of centerline, up to 34' AGL/77' MSL.

Pole 1353' from DER, 776' left of centerline, 38' AGL/82' MSL.

Pole 1804' from DER, 968' right of centerline, 64' AGL/109' MSL.

Pole 2942' from DER, 1189' right of centerline, 72' AGL/117' MSL.

##### CON'T



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



25163

## HOUSTON, TX (CON'T)

### WILLIAM P HOBBY (HOU) (CON'T)

**Rwy 31L**, lighting 9' from DER, 94' right of centerline, 1' AGL/45' MSL.  
Lighting beginning 9' from DER, 85' left of centerline, up to 1' AGL/45' MSL.  
Electrical system 135' from DER, 482' left of centerline, 7' AGL/50' MSL.  
Pole 190' from DER, 508' left of centerline, 40' AGL/83' MSL.  
Pole, building beginning 359' from DER, 411' left of centerline, up to 39' AGL/84' MSL.  
Building 547' from DER, 273' right of centerline, 27' AGL/69' MSL.  
Tree 1391' from DER, 466' left of centerline, 89' MSL.  
Tree 2585' from DER, 702' left of centerline, 83' AGL/121' MSL.  
**Rwy 31R**, sign beginning 29' from DER, 82' left of centerline, up to 2' AGL/47' MSL.  
Trees, pole beginning 60' from DER, 308' right of centerline, up to 75' AGL/121' MSL.  
Building 499' from DER, 525' left of centerline, 27' AGL/69' MSL.

## HUNTSVILLE, TX

### HUNTSVILLE MUNI (UTS)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 16MAY24 (24137) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 18**, trees beginning 3' from DER, 341' right of centerline, up to 50' AGL/407' MSL.  
Building, sign, vehicle on road beginning 118' from DER, 347' right of centerline, up to 50' AGL/407' MSL.  
Pole 955' from DER, 651' left of centerline, 30' AGL/394' MSL.  
Vehicle on road 1193' from DER, 375' right of centerline, 34' AGL/411' MSL.  
**Rwy 36**, tree, pole beginning 90' from DER, 438' left of centerline, up to 349' MSL.  
Tree, pole beginning 157' from DER, 426' right of centerline, up to 352' MSL.  
Tree 1235' from DER, 670' left of centerline, 359' MSL.  
Tree 1625' from DER, 351' right of centerline, 355' MSL.  
Trees beginning 1797' from DER, 157' right of centerline, up to 382' MSL.  
Tree 2235' from DER, 297' left of centerline, 366' MSL.  
Trees beginning 2311' from DER, 343' left of centerline, up to 369' MSL.

## JACKSONVILLE, TX

### CHEROKEE COUNTY (JSO)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 16FEB06 (06047) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 14**, climb via heading 135° to 1200 before proceeding on course.

## JASPER, TX

### JASPER COUNTY/BELL FLD (JAS)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 27AUG09 (21336) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 18**, trees beginning 2081' from DER, 118' left of centerline, up to 100' AGL/327' MSL.  
Trees beginning 690' from DER, 87' right of centerline, up to 100' AGL/329' MSL.  
**Rwy 36**, hangar 320' from DER, 504' left of centerline, 27' AGL/236' MSL.  
Trees beginning 534' from DER, 139' left of centerline, up to 100' AGL/329' MSL.  
Pole 1968' from DER, 409' left of centerline, 33' AGL/262' MSL.  
Bush 94' from DER, 476' right of centerline, 8' AGL/217' MSL.  
Trees beginning 514' from DER, 6' right of centerline, up to 100' AGL/354' MSL.  
Hangar 1176' from DER, 675' right of centerline, 30' AGL/249' MSL.  
Tower 1246' from DER, 611' right of centerline, 40' AGL/258' MSL.

## KOUNTZE/SILSBEE, TX

### HAWTHORNE FLD (45R)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 12JUN25 (25163) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 13**, trees beginning 1' from DER, 77' right of centerline, up to 80' AGL/146' MSL.  
Tree 26' from DER, 442' left of centerline, 110' MSL.  
Tree 43' from DER, 373' left of centerline, 127' MSL.  
Trees beginning 110' from DER, 118' left of centerline, up to 80' AGL/146' MSL.  
Trees beginning 341' from DER, 319' left of centerline, up to 80' AGL/149' MSL.  
Trees beginning 511' from DER, 123' left of centerline, up to 80' AGL/153' MSL.  
Trees beginning 634' from DER, 273' right of centerline, up to 80' AGL/149' MSL.  
Trees beginning 804' from DER, 67' right of centerline, up to 80' AGL/153' MSL.  
Trees beginning 912' from DER, 128' left of centerline, up to 80' AGL/156' MSL.  
Trees beginning 1483' from DER, 12' left of centerline, up to 80' AGL/159' MSL.  
Trees beginning 1606' from DER, on centerline, up to 80' AGL/156' MSL.  
Trees beginning 2258' from DER, 343' left of centerline, up to 178' MSL.  
Trees beginning 2387' from DER, 397' left of centerline, up to 182' 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

## KOUNTZE/SILSBEE, TX (CON'T) HAWTHORNE FLD (45R) (CON'T)

**Rwy 13 (CON'T)**, trees beginning 2549' from DER, 64' left of centerline, up to 183' MSL.  
**Rwy 31**, trees beginning 183' from DER, 334' right of centerline, up to 126' MSL.  
 Trees beginning 379' from DER, 295' right of centerline, up to 130' MSL.  
 Trees beginning 403' from DER, 19' left of centerline, up to 97' MSL.  
 Trees beginning 421' from DER, 151' right of centerline, up to 133' MSL.  
 Tree, pole beginning 514' from DER, 42' right of centerline, up to 136' MSL.  
 Trees beginning 634' from DER, 58' left of centerline, up to 112' MSL.  
 Trees beginning 736' from DER, 200' left of centerline, up to 114' MSL.  
 Trees beginning 766' from DER, 17' left of centerline, up to 116' MSL.  
 Trees beginning 886' from DER, 331' left of centerline, up to 123' MSL.  
 Trees beginning 968' from DER, 453' left of centerline, up to 137' MSL.  
 Tree 1049' from DER, 454' left of centerline, 139' MSL.  
 Trees beginning 1103' from DER, 283' left of centerline, up to 149' MSL.  
 Trees beginning 1338' from DER, 21' right of centerline, up to 146' MSL.  
 Tree 1432' from DER, 364' left of centerline, 151' MSL.  
 Tree 1435' from DER, 455' left of centerline, 159' MSL.  
 Trees beginning 1486' from DER, 90' left of centerline, up to 162' MSL.  
 Trees beginning 2047' from DER, 5' right of centerline, up to 158' MSL.  
 Trees beginning 3169' from DER, 926' left of centerline, up to 167' MSL.  
 Trees beginning 3246' from DER, 1024' right of centerline, up to 181' MSL.

## LA GRANGE, TX

### FAYETTE RGNL AIR CENTER (3T5) TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1 13SEP18 (18256) (FAA)

#### TAKEOFF OBSTACLE NOTES:

**Rwy 16**, trees, terrain beginning 146' from DER, 389' right of centerline, up to 45' AGL/378' MSL.  
 Vehicles on traverse way beginning 199' from DER, 481' left of centerline, up to 15' AGL/336' MSL.  
 Trees beginning 246' from DER, 454' right of centerline, up to 47' AGL/381' MSL.  
 Tree 525' from DER, 533' right of centerline, 49' AGL/383' MSL.  
 Tree 570' from DER, 540' left of centerline, 35' AGL/355' MSL.  
 Tree, building beginning 760' from DER, 527' right of centerline, up to 45' AGL/384' MSL.  
 Tree 769' from DER, 569' left of centerline, 43' AGL/361' MSL.  
 Tree 880' from DER, 524' right of centerline, 45' AGL/386' MSL.  
 Tree, pole, catenary beginning 926' from DER, 589' right of centerline, up to 48' AGL/390' MSL.  
 Tree 945' from DER, 532' left of centerline, 45' AGL/364' MSL.  
 Trees beginning 1005' from DER, 367' left of centerline, up to 46' AGL/365' MSL.  
 Tree 1183' from DER, 632' right of centerline, 49' AGL/396' MSL.  
 Trees beginning 1319' from DER, 259' left of centerline, up to 44' AGL/369' MSL.  
 Trees beginning 1465' from DER, 297' right of centerline, up to 56' AGL/406' MSL.  
 Trees beginning 1467' from DER, 28' left of centerline, up to 48' AGL/380' MSL.  
 Tree 1570' from DER, 652' right of centerline, 54' AGL/407' MSL.  
 Tree, catenary, pole beginning 1625' from DER, 32' right of centerline, up to 56' AGL/411' MSL.  
 Tree 2052' from DER, 188' left of centerline, 34' AGL/381' MSL.  
 Tree 2111' from DER, 523' left of centerline, 42' AGL/382' MSL.  
 Trees beginning 2456' from DER, 51' left of centerline, up to 44' AGL/399' MSL.  
 Trees beginning 2599' from DER, 5' right of centerline, up to 60' AGL/415' MSL.  
**Rwy 34**, trees beginning 35' from DER, 322' left of centerline, up to 53' AGL/358' MSL.  
 Tree 200' from DER, 482' right of centerline, 13' AGL/315' MSL.  
 Tree 262' from DER, 335' right of centerline, 24' AGL/326' MSL.  
 Trees beginning 310' from DER, 361' right of centerline, up to 29' AGL/331' MSL.  
 Tree 494' from DER, 396' left of centerline, 58' AGL/360' MSL.  
 Tree, pole, catenary beginning 513' from DER, 205' left of centerline, up to 61' AGL/365' MSL.  
 Trees beginning 634' from DER, 389' right of centerline, up to 52' AGL/352' MSL.  
 Trees beginning 799' from DER, 162' right of centerline, up to 55' AGL/353' MSL.

## LA PORTE, TX

### LA PORTE MUNI (T41) TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6 29MAY14 (14149) (FAA)

#### DEPARTURE PROCEDURE:

**Rwy 5**, climb heading 046° to 500 before proceeding on course.  
**Rwy 12**, climb heading 121° to 500 before turning right.  
**Rwy 30**, climb heading 301° to 700 before turning right.

#### TAKEOFF OBSTACLE NOTES:

**Rwy 5**, trees beginning 334' from DER, left and right of centerline, up to 67' AGL/91' MSL.  
 Poles beginning 973' from DER, 387' left of centerline, up to 40' AGL/64' MSL.  
 Buildings beginning 319' from DER, left and right of centerline, up to 30' AGL/54' MSL.  
 Stack 2.3 NM from DER, 3296' left of centerline, 300' AGL/334' MSL.  
**Rwy 12**, poles beginning 127' from DER, left and right of centerline, up to 54' AGL/74' MSL.  
 Trees beginning 183' from DER, 446' right of centerline, up to 40' AGL/60' 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

## LA PORTE, TX (CON'T)

### LA PORTE MUNI (T41) (CON'T)

**Rwy 12 (CON'T)**, building 675' from DER, 411' right of centerline, up to 32' AGL/55' MSL.  
 Trees beginning 888' from DER, 113' right of centerline, up to 43' AGL/63' MSL.  
**Rwy 23**, buildings beginning 30' from DER, 242' left of centerline, up to 30' AGL/54' MSL.  
 Buildings beginning 231' from DER, 134' right of centerline, up to 30' AGL/54' MSL.  
 Trees beginning 243' from DER, 494' right of centerline, up to 67' AGL/91' MSL.  
 Poles beginning 363' from DER, left and right of centerline, up to 40' AGL/64' MSL.  
 Vehicle on road beginning 493' from DER, 562' left of centerline, up to 15' AGL/39' MSL.  
 Trees beginning 573' from DER, 292' left of centerline, up to 67' AGL/91' MSL.  
 Trees beginning 1123' from DER, 69' right of centerline, up to 67' AGL/91' MSL.  
**Rwy 30**, trees beginning 44' from DER, 331' right of centerline, up to 51' AGL/71' MSL.  
 Pole 114' from DER, 500' left of centerline, 37' AGL/60' MSL.  
 Buildings beginning 334' from DER, 355' left of centerline, up to 25' AGL/50' MSL.  
 Trees beginning 367' from DER, 471' left of centerline, up to 37' AGL/57' MSL.  
 Building 669' from DER, 415' right of centerline, 30' AGL/55' MSL.  
 Poles beginning 768' from DER, 427' right of centerline, up to 50' AGL/74' MSL.  
 Trees beginning 1048' from DER, left and right of centerline, up to 67' AGL/87' MSL.

## LIBERTY, TX

### LIBERTY MUNI (T78)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 29MAY14 (14149) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 16**, climb heading 161° to 1700 before turning left.  
**Rwy 34**, climb heading 341° to 1000 before turning right.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 16**, hangars beginning 4' from DER, 340' right of centerline, up to 21' AGL/91' MSL.  
 Tree 273' from DER, 401' right of centerline, 28' AGL/96' MSL.  
 Trees beginning 1067' from DER, 122' left of centerline, up to 76' AGL/146' MSL.  
 Trees and poles beginning 1166' from DER, 48' right of centerline, up to 85' AGL/155' MSL.  
**Rwy 34**, trees beginning 176' from DER, 262' left of centerline, up to 52' AGL/117' MSL.  
 Poles beginning 427' from DER, 318' right of centerline, up to 40' AGL/105' MSL.  
 Poles beginning 451' from DER, 236' left of centerline, up to 39' AGL/106' MSL.  
 Trees beginning 758' from DER, 101' right of centerline, up to 101' AGL/166' MSL.  
 Trees beginning 1953' from DER, 40' left of centerline, up to 96' AGL/161' MSL.

## LIVINGSTON, TX

### LIVINGSTON MUNI (00R)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05MAY11 (11125) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 12**, climb heading 125° to 1700 before proceeding on course.  
**Rwy 30**, climb heading 305° to 800 before turning south.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 12**, trees beginning at DER, right and left of centerline, up to 100' AGL/249' MSL.  
**Rwy 30**, vehicle on road 10' from DER, 492' right of centerline, 10' AGL/159' MSL.  
 Trees beginning 260' from DER, 304' right of centerline, up to 100' AGL/249' MSL.

## LUFKIN, TX

### ANGELINA COUNTY (LFK)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07DEC17 (17341) (FAA)

##### TAKEOFF OBSTACLE NOTES:

**Rwy 7**, trees beginning 109' from DER, 333' right of centerline, up to 354' MSL.  
 Trees beginning 358' from DER, 293' left of centerline, up to 350' MSL.  
 Trees beginning 467' from DER, 452' right of centerline, up to 365' MSL.  
 Trees beginning 513' from DER, 302' left of centerline, up to 381' MSL.  
 Tree 1470' from DER, 328' right of centerline, 366' MSL.  
 Trees beginning 1477' from DER, 483' right of centerline, up to 367' MSL.  
 Trees beginning 1599' from DER, 36' left of centerline, up to 387' MSL.  
 Trees beginning 1618' from DER, 274' right of centerline, up to 369' MSL.  
 Trees beginning 1636' from DER, 42' right of centerline, up to 376' MSL.  
 Trees beginning 1977' from DER, 44' right of centerline, up to 379' MSL.  
 Trees beginning 3207' from DER, 1351' left of centerline, up to 391' MSL.  
 Tree 3787' from DER, 965' left of centerline, 395' MSL.  
 Trees beginning 3798' from DER, 1035' left of centerline, up to 403' MSL.  
**Rwy 16**, trees beginning 6' from DER, 384' left of centerline, up to 56' AGL/324' MSL.  
 Tree 138' from DER, 529' right of centerline, 284' MSL.  
 Trees beginning 184' from DER, 3' left of centerline, up to 79' AGL/344' MSL.  
 Tree 260' from DER, 229' right of centerline, 289' MSL.  
 Tree, rd (n) beginning 264' from DER, 164' right of centerline, up to 320' MSL.  
**CON'T**

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

25163



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

25163

## LUFKIN, TX (CON'T)

### ANGELINA COUNTY (LFK) (CON'T)

**Rwy 16 (CON'T)**, trees beginning 1333' from DER, 388' right of centerline, up to 324' MSL.

Trees beginning 1932' from DER, 49' right of centerline, up to 327' MSL.

Tree 2612' from DER, 448' right of centerline, 90' AGL/342' MSL.

**Rwy 25**, tree 265' from DER, 511' right of centerline, 302' MSL.

Trees beginning 403' from DER, 283' right of centerline, up to 354' MSL.

Trees beginning 407' from DER, 555' left of centerline, up to 299' MSL.

Trees beginning 1375' from DER, 605' left of centerline, up to 328' MSL.

Tree 1627' from DER, 629' left of centerline, 330' MSL.

Tree 2655' from DER, 144' left of centerline, 353' MSL.

Tree 3109' from DER, 417' right of centerline, 362' MSL.

**Rwy 34**, sign 20' from DER, 200' left of centerline, 1' AGL/290' MSL.

Ldg 48' from DER, 457' right of centerline, 303' MSL.

Tree 95' from DER, 328' right of centerline, 330' MSL.

Trees beginning 166' from DER, 314' right of centerline, up to 54' AGL/338' MSL.

Pole and trees beginning 344' from DER, 310' right of centerline, up to 346' MSL.

Vehicles on road 571' from DER, 3' left of centerline, 312' MSL.

Vehicle on road beginning 579' from DER, 75' right of centerline, up to 306' MSL.

Trees beginning 602' from DER, 166' left of centerline, up to 367' MSL.

Trees beginning 620' from DER, 446' right of centerline, up to 354' MSL.

Tree, pole beginning 809' from DER, 230' right of centerline, up to 361' MSL.

Trees beginning 1249' from DER, 233' right of centerline, up to 364' MSL.

## MADISONVILLE, TX

### MADISONVILLE MUNI (51R)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 26DEC24 (24361) (FAA)

#### TAKEOFF OBSTACLE NOTES:

**Rwy 1**, trees 41' from DER, 453' left of centerline, 50' AGL/333' MSL.

Trees beginning 87' from DER, 195' left of centerline, up to 50' AGL/339' MSL.

Trees beginning 133' from DER, 8' right of centerline, up to 50' AGL/346' MSL.

Trees beginning 385' from DER, 44' left of centerline, up to 50' AGL/342' MSL.

**Rwy 19**, trees beginning 39' from DER, 32' left of centerline, up to 50' AGL/310' MSL.

Trees beginning 85' from DER, 20' right of centerline, up to 50' AGL/310' MSL.

Trees beginning 773' from DER, 118' right of centerline, up to 50' AGL/313' MSL.

Trees beginning 1738' from DER, 448' left of centerline, up to 50' AGL/313' MSL.

## MARLIN, TX

### MARLIN (T15)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10JAN13 (13010) (FAA)

#### TAKEOFF OBSTACLE NOTES:

**Rwy 17**, power lines beginning 411' from DER, left and right of centerline, up to 125' AGL/524' MSL.

Building 7' from DER, 155' left of centerline, 30' AGL/439' MSL.

Trees beginning 656' from DER, left and right of centerline, up to 50' AGL/449' MSL.

Building 309' from DER, 100' left of centerline, 30' AGL/439' MSL.

Vehicles in parking lot 364' from DER, on centerline, up to 15' AGL/415' MSL.

**Rwy 35**, trees 225' from DER, 232' right of centerline, up to 50' AGL/469' MSL.

Trees 181' from DER, 240' left of centerline, up to 50' AGL/459' MSL.

Trees beginning 708' from DER, left and right of centerline, up to 50' AGL/469' MSL.

Vehicles 68' from DER, 347' right of centerline, up to 15' AGL/424' MSL.

## MEXIA, TX

### MEXIA-LIMESTONE CO (LXY)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 11AUG22 (22223) (FAA)

#### TAKEOFF MINIMUMS:

**Rwy 36**, 300-2¼ or std. w/min. climb of 259' per NM to 1000, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to the DER.

#### TAKEOFF OBSTACLE NOTES:

**Rwy 18**, vehicles on road beginning 202' from DER, 400' left of centerline, up to 15' AGL/554' MSL.

Tree 419' from DER, 292' right of centerline, up to 80' AGL/619' MSL.

**Rwy 36**, trees beginning 179' from DER, 382' right of centerline, up to 80' AGL/619' MSL.

Trees beginning 391' from DER, 315' left of centerline, up to 80' AGL/629' MSL.

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

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## NACOGDOCHES, TX

NACOGDOCHES A L MANGHAM JR RGNL (OCH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 22JUN17 (17173) (FAA)

DEPARTURE PROCEDURE:

**Rwy 36**, climb heading 359° to 1000 before turning right.

TAKEOFF OBSTACLE NOTES:

**Rwy 18**, trees 47' from DER, 503' left of centerline, 67' AGL/397' MSL.

Trees 1227' from DER, 580' left of centerline, 52' AGL/382' MSL.

Trees 2234' from DER, 939' right of centerline, 71' AGL/431' MSL.

**Rwy 36**, trees 252' from DER, 485' left of centerline, 81' AGL/401' MSL.

Trees 792' from DER, 513' left of centerline, 87' AGL/447' MSL.

Trees beginning 1957' from DER, 23' left of centerline, up to 70' AGL/470' MSL.

Trees 207' from DER, 492' right of centerline, 58' AGL/388' MSL.

Multiple OL's and trees beginning 661' from DER, 2' right of centerline, up to 74' AGL/434' MSL.

Multiple trees beginning 2290' from DER, 316' right of centerline, up to 87' AGL/487' MSL.

## NAVASOTA, TX

NAVASOTA MUNI (60R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02FEB84 (84033) (FAA)

DEPARTURE PROCEDURE:

**Rwy 35**, climb runway heading to 2100 before turning eastbound.

## ORANGE, TX

ORANGE COUNTY (ORG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 22OCT09 (09295) (FAA)

TAKEOFF MINIMUMS:

**Rwy 4**, 400-1¼ or std. w/ min. climb of 425' per NM to 500.**Rwys 13, 31**, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

**Rwy 4**, trees beginning 893' from DER, 513' right of centerline, up to 30' AGL/87' MSL.

Trees beginning 1856' from DER, 550 left of centerline, up to 30' AGL/66' MSL.

Transmission poles beginning 2518' from DER, left and right of centerline, up to 73' AGL/83' MSL.

Tower 6401' from DER, 1900' left of centerline, 283' AGL/298' MSL.

**Rwy 22**, trees beginning at DER, left and right of centerline, up to 30' AGL/39' MSL.

## PALACIOS, TX

PALACIOS MUNI (PSX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 26MAY16 (16147) (FAA)

DEPARTURE PROCEDURE:

**Rwy 8**, climbing right turn heading 125° to 1800 before proceeding on course.**Rwy 13**, climb heading 132° to 1100 before turning left.**Rwy 36**, climb heading 357° to 1100 before turning right.

TAKEOFF OBSTACLE NOTES:

**Rwy 31**, bush 20' from DER, 296' right of centerline, 6' AGL/16' MSL.

## PALESTINE, TX

PALESTINE MUNI (PSN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 30JAN20 (20030) (FAA)

TAKEOFF MINIMUMS:

**Rwy 9**, 400-3 w/min. climb of 262' per NM to 1200 or std. w/min. climb of 316' per NM to 900 or 1000-3 for VCOA.

VCOA:

**Rwy 9**, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Palestine Muni at or above 1300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

**Rwy 9**, trees beginning 201' from DER, 195' left of centerline, up to 100' AGL/381' MSL.

Trees beginning 207' from DER, 87' right of centerline, up to 100' AGL/378' MSL.

Trees beginning 2276' from DER, 216' left of centerline, up to 100' AGL/384' MSL.

Trees beginning 2535' from DER, 218' left of centerline, up to 100' AGL/388' MSL.

Trees beginning 2538' from DER, 84' right of centerline, up to 100' AGL/388' MSL.

Trees beginning 2794' from DER, 221' left of centerline, up to 100' AGL/394' MSL.

Trees beginning 2796' from DER, 69' right of centerline, up to 100' AGL/401' MSL.

Trees beginning 3052' from DER, 223' left of centerline, up to 100' AGL/401' MSL.

Trees beginning 4085' from DER, 233' left of centerline, up to 100' AGL/407' MSL.

Trees beginning 4344' from DER, 236' left of centerline, up to 100' AGL/414' MSL.

Trees beginning 4350' from DER, 66' right of centerline, up to 100' AGL/407' MSL.

Trees beginning 4603' from DER, 238' left of centerline, up to 100' AGL/420' 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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## PALESTINE, TX (CON'T)

### PALESTINE MUNI (PSN) (CON'T)

**Rwy 9 (CON'T)**, trees beginning 4609' from DER, 64' right of centerline, up to 100' AGL/414' MSL.

Trees beginning 4862' from DER, 241' left of centerline, up to 100' AGL/427' MSL.

Trees beginning 4868' from DER, 61' right of centerline, up to 100' AGL/420' MSL.

Trees beginning 5124' from DER, 243' left of centerline, up to 100' AGL/430' MSL.

Trees beginning 5127' from DER, 59' right of centerline, up to 100' AGL/430' MSL.

Tree 5380' from DER, 549' left of centerline, 100' AGL/434' MSL.

Trees beginning 5386' from DER, 56' right of centerline, up to 100' AGL/437' MSL.

Trees beginning 5404' from DER, 54' right of centerline, up to 100' AGL/440' MSL.

Trees beginning 5627' from DER, 855' left of centerline, up to 100' AGL/440' MSL.

Trees beginning 5639' from DER, 249' left of centerline, up to 100' AGL/443' MSL.

Tree 5663' from DER, 1872' right of centerline, 100' AGL/443' MSL.

Tree 5883' from DER, 2070' left of centerline, 100' AGL/447' MSL.

Trees beginning 5886' from DER, 251' left of centerline, up to 100' AGL/450' MSL.

Trees beginning 5904' from DER, 51' right of centerline, up to 100' AGL/450' MSL.

Tree 1 NM from DER, 2073' left of centerline, 100' AGL/457' MSL.

Trees beginning 1 nm from DER, 254' left of centerline, up to 100' AGL/460' MSL.

Trees beginning 1 NM from DER, 48' right of centerline, up to 100' AGL/457' MSL.

Tree 1 NM from DER, 1867' right of centerline, 100' AGL/460' MSL.

Tree 1 NM from DER, 2075' left of centerline, 100' AGL/463' MSL.

Trees beginning 1 NM from DER, 256' left of centerline, up to 100' AGL/470' MSL.

Trees beginning 1 NM from DER, 46' right of centerline, up to 100' AGL/463' MSL.

Tree 1 NM from DER, 2078' left of centerline, 100' AGL/473' MSL.

Trees beginning 1 NM from DER, 43' right of centerline, up to 100' AGL/473' MSL.

Tree 1.1 NM from DER, 2080' left of centerline, 100' AGL/483' MSL.

Trees beginning 1.1 NM from DER, 261' left of centerline, up to 100' AGL/489' MSL.

Trees beginning 1.1 NM from DER, 41' right of centerline, up to 100' AGL/479' MSL.

Trees beginning 1.1 NM from DER, 950' right of centerline, up to 100' AGL/483' MSL.

Tree 1.1 NM from DER, 2083' left of centerline, 100' AGL/493' MSL.

Trees beginning 1.1 NM from DER, 264' left of centerline, up to 100' AGL/499' MSL.

Trees beginning 1.1 NM from DER, 38' right of centerline, up to 100' AGL/486' MSL.

Trees beginning 1.1 NM from DER, 36' right of centerline, up to 100' AGL/493' MSL.

Tree 1.2 NM from DER, 1479' left of centerline, 100' AGL/509' MSL.

Trees beginning 1.2 NM from DER, 267' left of centerline, up to 100' AGL/519' MSL.

Trees beginning 1.2 NM from DER, 33' right of centerline, up to 100' AGL/499' MSL.

Trees beginning 1.2 NM from DER, 269' left of centerline, up to 100' AGL/532' MSL.

Trees beginning 1.2 NM from DER, 30' right of centerline, up to 100' AGL/525' MSL.

Trees beginning 1.3 NM from DER, 272' left of centerline, up to 100' AGL/552' MSL.

Trees beginning 1.3 NM from DER, 12' right of centerline, up to 100' AGL/552' MSL.

Trees beginning 1.3 NM from DER, 274' left of centerline, up to 100' AGL/568' MSL.

Tree 1.4 NM from DER, 2705' left of centerline, 100' AGL/575' MSL.

Trees beginning 1.4 NM from DER, 279' left of centerline, up to 100' AGL/601' MSL.

Trees beginning 1.4 NM from DER, 5' left of centerline, up to 100' AGL/621' MSL.

Tower 2.5 NM from DER, 345' left of centerline, 199' AGL/809' MSL.

**Rwy 18**, tree abeam DER, 409' left of centerline, 415' MSL.

Tree, terrain beginning 43' from DER, 241' right of centerline, up to 421' MSL.

Trees beginning 80' from DER, 257' left of centerline, up to 435' MSL.

Trees beginning 158' from DER, 166' right of centerline, up to 447' MSL.

Trees beginning 328' from DER, 41' left of centerline, up to 81' AGL/451' MSL.

Trees, vehicle on road beginning 481' from DER, 478' right of centerline, up to 449' MSL.

Tree 594' from DER, 352' right of centerline, 450' MSL.

Trees beginning 695' from DER, 35' right of centerline, up to 463' MSL.

Trees beginning 1561' from DER, 109' right of centerline, up to 465' MSL.

**Rwy 27**, trees beginning 189' from DER, 149' left of centerline, up to 100' AGL/420' MSL.

Trees beginning 195' from DER, 133' right of centerline, up to 100' AGL/411' MSL.

**Rwy 36**, tree, terrain beginning 134' from DER, 404' right of centerline, up to 439' MSL.

Tree 178' from DER, 403' left of centerline, 418' MSL.

Tree 200' from DER, 481' left of centerline, 421' MSL.

Trees beginning 432' from DER, 270' left of centerline, up to 434' MSL.

Tree 561' from DER, 481' left of centerline, 452' MSL.

Trees beginning 612' from DER, 306' left of centerline, up to 462' MSL.

Trees beginning 783' from DER, 401' left of centerline, up to 471' MSL.

Tree 990' from DER, 733' right of centerline, 456' MSL.

SC-5, 07 AUG 2025 to 02 OCT 2025

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

25163

## PORT LAVACA, TX

CALHOUN COUNTY (PKV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13SEP18 (18256) (FAA)

TAKEOFF MINIMUMS:

**Rwys 5, 23**, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

**Rwy 14**, vehicles on road 475' from DER, on centerline, up to 44' MSL.**Rwy 32**, vegetation 65' from DER, 408' left of centerline, 34' MSL.

Pole and vehicles on road beginning 547' from DER, 412' right of centerline, up to 35' AGL/60' MSL.

Vehicles on road 570' from DER, 411' left of centerline, up to 45' MSL.

## VICTORIA, TX

VICTORIA RGNL (VCT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 12AUG21 (21224) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 18**, building 588' from DER, 415' left of centerline, 18' AGL/118' MSL.

Industrial system 1696' from DER, 265' right of centerline, 61' AGL/159' MSL.

**Rwy 36**, vegetation 104' from DER, 165' right of centerline, 10' AGL/116' MSL.

## WHARTON, TX

WHARTON RGNL (ARM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 27AUG09 (09239) (FAA)

TAKEOFF OBSTACLE NOTES:

**Rwy 32**, vehicle on roads beginning 26' from DER, 312' right of centerline, up to 17' AGL/113' MSL.

Buildings beginning 40' from DER, 338' right of centerline, up to 26' AGL/125' MSL.

Poles beginning 140' from DER, 467' right of centerline, up to 43' AGL/142' MSL.

Tree 828' from DER, 509' right of centerline, 28' AGL/127' MSL.

Fence 24' from DER, 288' left of centerline, 4' AGL/103' MSL.

Tree 1147' from DER, 425' left of centerline, 41' AGL/140' MSL.

## WINNIE/STOWELL, TX

CHAMBERS COUNTY/WINNIE STOWELL (T90)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:

**Rwy 17**, std w/min climb of 376'/NM to 2700, or 1800-3 for VCOA.**Rwy 35**, std w/min climb of 341'/NM to 2700, or 1800-3 for VCOA.

VCOA:

**All runways**, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Chambers County/Winnie Stowell airport at or above 1700 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

**Rwy 17**, trees beginning 616' from DER, 23' left of centerline, up to 125' MSL.

Trees beginning 1164' from DER, 475' right of centerline, up to 125' MSL.

**Rwy 35**, trees beginning 742' from DER, 212' left of centerline, up to 130' MSL.

Tree 1572' from DER, 672' right of centerline, 130' MSL.

SC-5, 07 AUG 2025 to 02 OCT 2025

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

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SC-5



NAME ALTERNATE MINIMUMS

**COLLEGE STATION, TX**

EASTERWOOD

FLD (CLL).....ILS or LOC Rwy 35<sup>12</sup>

LOC BC Rwy 17<sup>13</sup>

RNAV (GPS) Rwy 11<sup>34</sup>

RNAV (GPS) Rwy 17<sup>34</sup>

RNAV (GPS) Rwy 29<sup>34</sup>

RNAV (GPS) Rwy 35<sup>34</sup>

VOR Rwy 29<sup>5</sup>

VOR or TACAN Rwy 11<sup>34</sup>

<sup>1</sup>NA when control tower closed.

<sup>2</sup>LOC, Category D, 900-2¼; Category E, 900-3.

<sup>3</sup>Category D, 900-2¼; Category E, 900-3.

<sup>4</sup>NA when local weather not available.

<sup>5</sup>Category D, 900-2¼.

**CROCKETT, TX**

HOUSTON

COUNTY (DKR).....RNAV (GPS) Rwy 2

NA when local weather not available.

**EAGLE LAKE, TX**

EAGLE LAKE (ELA).....

RNAV (GPS) Rwy 17<sup>1</sup>

RNAV (GPS) Rwy 35

Category C, 900-2¼.

<sup>1</sup>NA when local weather not available.

**GALVESTON, TX**

SCHOLES INTL

AT GALVESTON (GLS).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 18<sup>1</sup>

RNAV (GPS) Rwy 32<sup>1</sup>

RNAV (GPS) Rwy 36<sup>1</sup>

NA when local weather not available.

<sup>1</sup>Category E, 800-2¼.

**GIDDINGS, TX**

GIDDINGS-

LEE COUNTY (GYB).....RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 35

NA when local weather not available.

Category C, 800-2¼.

**HEARNE, TX**

HEARNE MUNI (LHB).....

RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

**HOUSTON, TX**

CONROE/NORTH HOUSTON

RGNL (CXO).....RNAV (GPS) Rwy 1

RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 19<sup>1</sup>

RNAV (GPS) Rwy 32

Category D, 800-2¼.

<sup>1</sup>NA when local weather not available.

DAVID WAYNE HOOKS

MEML (DWH).....RNAV (GPS) Rwy 35L

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

**HOUSTON, TX (CON'T)**

ELLINGTON (EFD).....ILS Z or LOC Z Rwy 17R<sup>1</sup>

ILS Z or LOC Z Rwy 22<sup>1</sup>

ILS Z or LOC Z Rwy 35L<sup>1</sup>

RNAV (GPS) Rwy 4<sup>2</sup>

RNAV (GPS) Rwy 17R<sup>2</sup>

RNAV (GPS) Rwy 22<sup>2</sup>

RNAV (GPS) Rwy 35L<sup>2</sup>

<sup>1</sup>LOC, Category E, 800-2¼.

<sup>2</sup>Category E, 800-2¼.

HOUSTON

EXEC (TME).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

Category D, 900-2¼.

PEARLAND RGNL (LVJ).....RNAV (GPS) Rwy 32

NA when local weather not available.

SUGAR LAND

RGNL (SGR).....ILS or LOC Rwy 35<sup>1</sup>

RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 35

NA when local weather not available.

<sup>1</sup>NA when control tower closed.

WILLIAM P

HOBBY (HOU).....ILS or LOC Rwy 4<sup>1</sup>

ILS or LOC Rwy 13R<sup>1</sup>

ILS or LOC Rwy 31L<sup>2</sup>

LOC Rwy 22<sup>3</sup>

RNAV (GPS) Rwy 4<sup>4</sup>

RNAV (GPS) Rwy 13R<sup>4</sup>

RNAV (GPS) Rwy 22<sup>3</sup>

RNAV (GPS) Rwy 31L<sup>5</sup>

<sup>1</sup>LOC, Categories C, D, 800-2¼;

Category E, 900-3.

<sup>2</sup>LOC, Categories C, D, 800-2¼.

<sup>3</sup>Category D, 800-2¼; Category E, 800-2¼.

<sup>4</sup>Categories C, D, 800-2¼; Category E, 900-3.

<sup>5</sup>Categories C, D, 800-2¼.

**HUNTSVILLE, TX**

HUNTSVILLE

MUNI (UTS).....RNAV (GPS) Rwy 18

VOR/DME-A

NA when local weather not available.

Category C, 800-2¼.

**JACKSONVILLE, TX**

CHEROKEE

COUNTY (JSO).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

VOR Rwy 14

NA when local weather not available.

NAME ALTERNATE MINIMUMS

NAME ALTERNATE

**JASPER, TX**

JASPER COUNTY/BELL  
FLD (JAS).....RNAV (GPS) Rwy 18  
RNAV (GPS) Rwy 36  
NA when local weather not available.

**VICTORIA, TX**

VICTORIA  
RGNL (VCT).....ILS or LOC Rwy 13<sup>12</sup>  
RNAV (GPS) Rwy 13<sup>3</sup>  
RNAV (GPS) Rwy 31<sup>3</sup>  
VOR Rwy 13<sup>3</sup>  
VOR Rwy 31<sup>3</sup>

NA when local weather not available.

<sup>1</sup>NA when control tower closed.

<sup>2</sup>LOC, Category D, 800-2½.

<sup>3</sup>Category D, 800-2½.

**LA GRANGE, TX**

FAYETTE RGNL  
AIR CENTER (3T5).....RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34  
NA when local weather not available.

**LUFKIN, TX**

ANGELINA  
COUNTY (LFK).....RNAV (GPS) Rwy 7  
RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 25  
RNAV (GPS) Rwy 34  
VOR Rwy 16  
VOR Rwy 34

Category D, 900-2¾.

**NACOGDOCHES, TX**

NACOGDOCHES A L MANGHAM JR  
RGNL (OCH).....RNAV (GPS) Rwy 18  
RNAV (GPS) Rwy 36  
NA when local weather not available.

**NAVASOTA, TX**

NAVASOTA  
MUNI (60R).....RNAV (GPS) Rwy 17  
RNAV (GPS) Rwy 35  
NA when local weather not available.

**ORANGE, TX**

ORANGE  
COUNTY (ORG).....RNAV (GPS) Rwy 22  
NA when local weather not available.

**PALACIOS, TX**

PALACIOS  
MUNI (PSX).....RNAV (GPS) Rwy 13  
VOR Rwy 13  
NA when local weather not available.  
Category D, 800-2¼.

**PALESTINE, TX**

PALESTINE  
MUNI (PSN).....RNAV (GPS) Rwy 18  
RNAV (GPS) Rwy 36  
NA when local weather not available.  
Category C, 1000-2¾; Category D, 1000-3.

**PORT LAVACA, TX**

CALHOUN  
COUNTY (PKV).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32  
VOR/DME-A  
NA when local weather not available.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

**RADAR INSTRUMENT APPROACH MINIMUMS**

**THERE ARE NO RADAR PROCEDURES  
FOR SOUTHEAST TEXAS (SC-5)**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

**RADAR INSTRUMENT APPROACH MINIMUMS**



21112

LAND AND HOLD-SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold-Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	AVBL LDG DIST
HOUSTON, TX			
GEORGE BUSH INTCNTL/	26L	TWY NE	9,010 feet
HOUSTON (IAH)	08R	TWY NP	9,019 feet

21112

22195

## 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*
BEAUMONT/PORT ARTHUR, TX JACK BROOKS RGNL (BPT)	HS 1	South end of Twy B not visible from control twr.
COLLEGE STATION, TX EASTERWOOD FLD (CLL)	HS 1	Rwy holding position marking Twy B and Rwy 11.
HOUSTON, TX DAVID WAYNE HOOKS MEML (DWH)	HS 1 HS 2 HS 3 HS 4 HS 5 HS 6	Ramp A and Twy C at Rwy 17R. Twy E, Twy D, Twy K at Rwy 17L. Twy E at Rwy 17R-35L. Int of Twy G and Rwy 17L-35R. Int of Twy H and Rwy 17L-35R. Twy K at Rwy 17L.
HOUSTON, TX CONROE/NORTH HOUSTON RGNL (CXO)	HS 1	Twy F west of Twy D.
HOUSTON, TX SUGAR LAND RGNL (SGR)	HS 1	Twy E int with Twy A, Twy A3 from Rwy 17-35.
HOUSTON, TX WILLIAM P. HOBBY (HOU)	HS 1 HS 2	Twy G at Rwy 13R. Twy E at int Rwy 13L.

\*See appropriate Chart Supplement HOT SPOT table for additional information.

22195

## HOUSTON, TEXAS



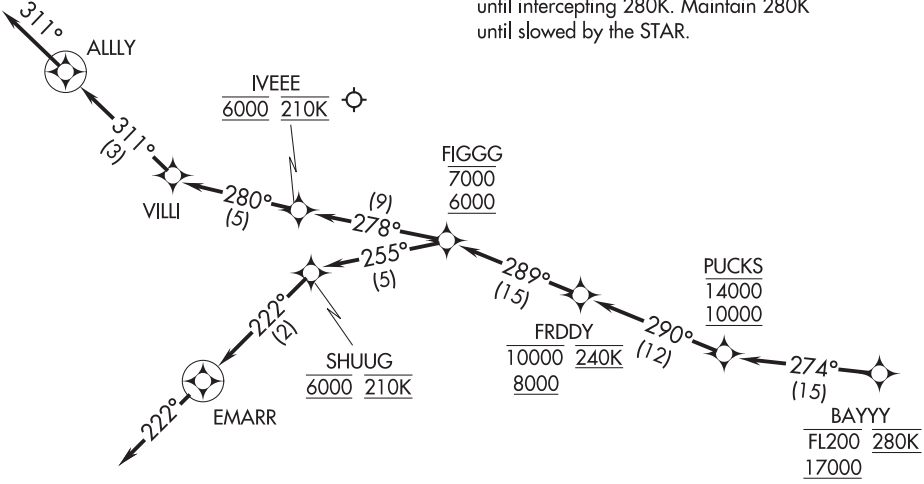
BAYYY FIVE ARRIVAL (RNAV) Arrival Routes

HOUSTON, TEXAS

HOUSTON APP CON  
119.625 226.675  
D-ATIS  
124.6

RNAV 1-DME/DME/IRU or GPS.  
RADAR required.

- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: For jet and turboprop aircraft capable of 280K or greater only.
- NOTE: Jet aircraft descend via Mach number until intercepting 280K. Maintain 280K until slowed by the STAR.



NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

From BAYYY on track 274° to cross PUCKS between 10000 and 14000.

LANDING RUNWAY 4: From PUCKS on track 290° to cross FRDDY between 8000 and 10000 and at 240K, then on track 289° to cross FIGGG between 6000 and 7000, then on track 255° to cross SHUUG at 6000 and at 210K, then on track 222° to EMARR, then on track 222°. Expect RADAR vectors to final approach course.

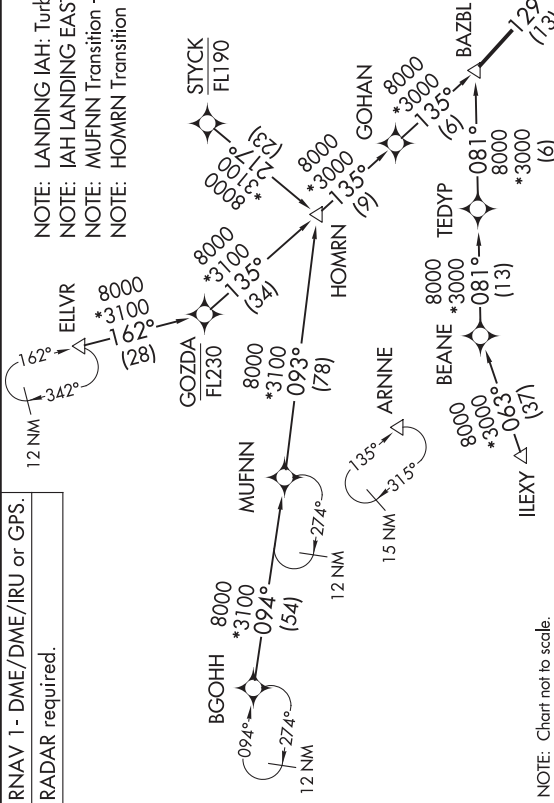
LANDING RUNWAYS 13L/R: From PUCKS on track 290° to cross FRDDY between 8000 and 10000 and at 240K, then on track 289° to cross FIGGG between 6000 and 7000, then on track 278° to cross IVEE at 6000 and at 210K, then on track 280° to VILLI, then on track 311° to ALLY, then on track 311°. Expect RADAR vectors to final approach course.

SC-5, 07 AUG 2025 to 02 OCT 2025

RNAV 1- DME/DME/IRU or GPS.  
RADAR required.

NOTE: LANDING IAH: Turboprop and piston aircraft only.  
NOTE: IAH LANDING EAST expect RADAR vectors prior to DOMNO.  
NOTE: MUFNN Transition - Do not file - To be assigned by ATC.  
NOTE: HOMRN Transition - Do not file - To be assigned by ATC.

HOUSTON APP CON  
134.3 360.85  
CXO ATIS  
118.325  
DWH ATIS  
128.375  
IAH D-ATIS  
124.05

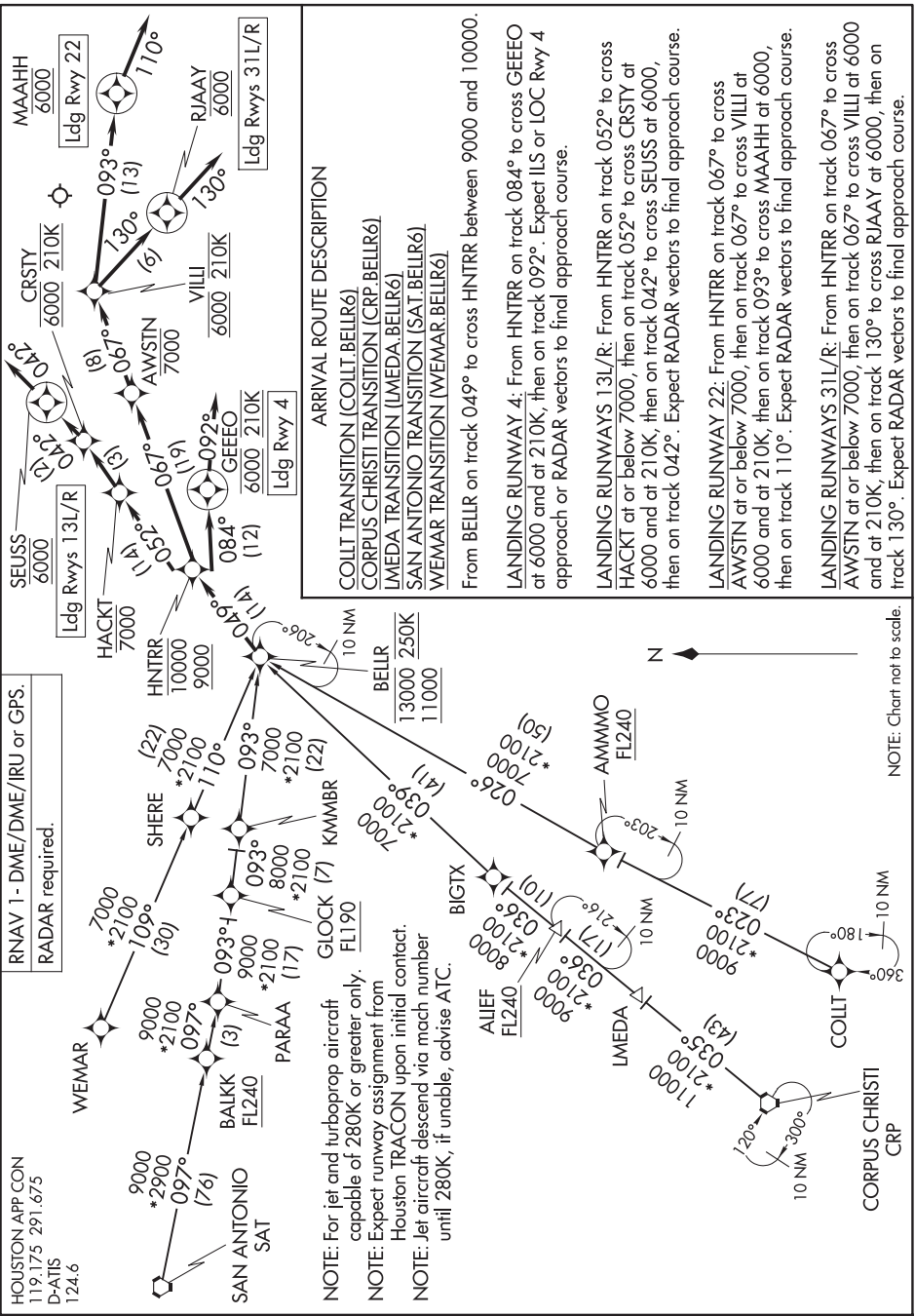


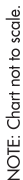
ARRIVAL ROUTE DESCRIPTION

BGOHH TRANSITION (BGOHH.BAZBL1)  
ELLVR TRANSITION (ELLVR.BAZBL1)  
HOMRN TRANSITION (HOMRN.BAZBL1)  
IILEY TRANSITION (IILEY.BAZBL1)  
MUFNN TRANSITION (MUFNN.BAZBL1)  
STYCK TRANSITION (STYCK.BAZBL1)  
IAH: From BAZBL on track 129° to MPORT.

LANDING IAH RUNWAYS 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: From MPORT on track 137° to DOMNO, then on track 087° to SKLER, then on track 087° to MTRSS, then on track 137° to final approach course.  
Expect RADAR vectors to final approach course.  
LANDING CXO/DWH/T78/6R3: From BAZBL on track 129° to MPORT, then on track 137° to MTRSS, then on track 137° to final approach course.

SC-5, 07 AUG 2025 to 02 OCT 2025





(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From CESAN on track 185° to CREPO, then on track 196° to PLEDO.

LANDING HOU RWYS 13L/R: From PLEDO on track 196° to FRITZ, then on track 196° to SSERA, then on track 244° to LLEGS, then on track 239° to FRDDY, then on track 289° to FIGGG, then on track 278° to IVEEE, then on track 280° to VILLI, then on track 311° to ALLY, then on track 311°. Expect vectors to final approach course.

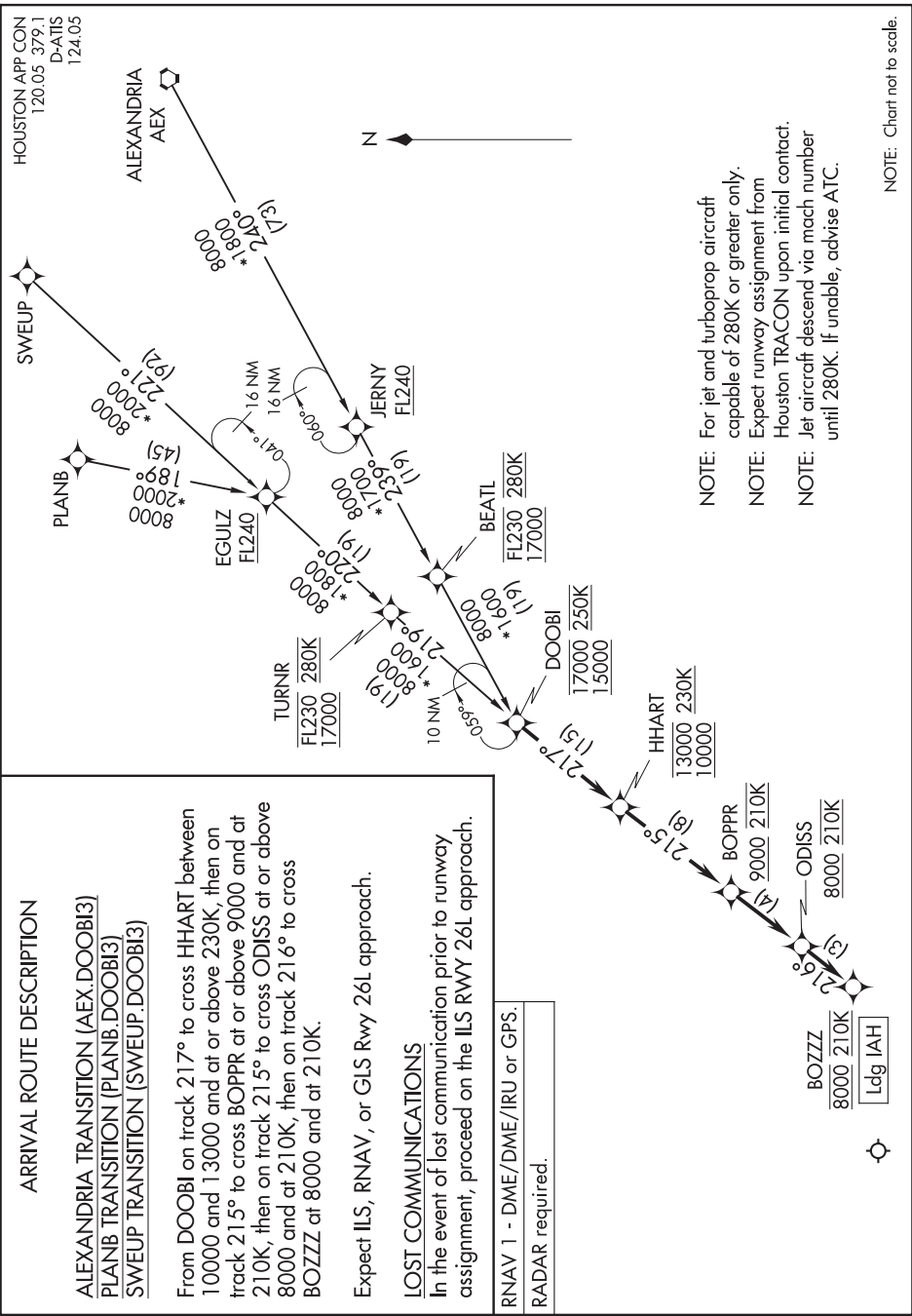
LANDING HOU RWY 4: From PLEDO on track 196° to FRITZ, then on track 196° to SSERA, then on track 244° to LLEGS, then on track 239° to FRDDY, then on track 289° to FIGGG, then on track 255° to SHUUG, then on track 222° to EMARR, then on track 222°. Expect vectors to approach course.

LANDING HOU RWY 22: From PLEDO on track 196° to FRITZ, then on track 196° to SSERA, then on track 244° to LLEGS, then on track 273° to WWILD, then on track 310° to JCNT0, then on track 310°. Expect vectors to final approach course.

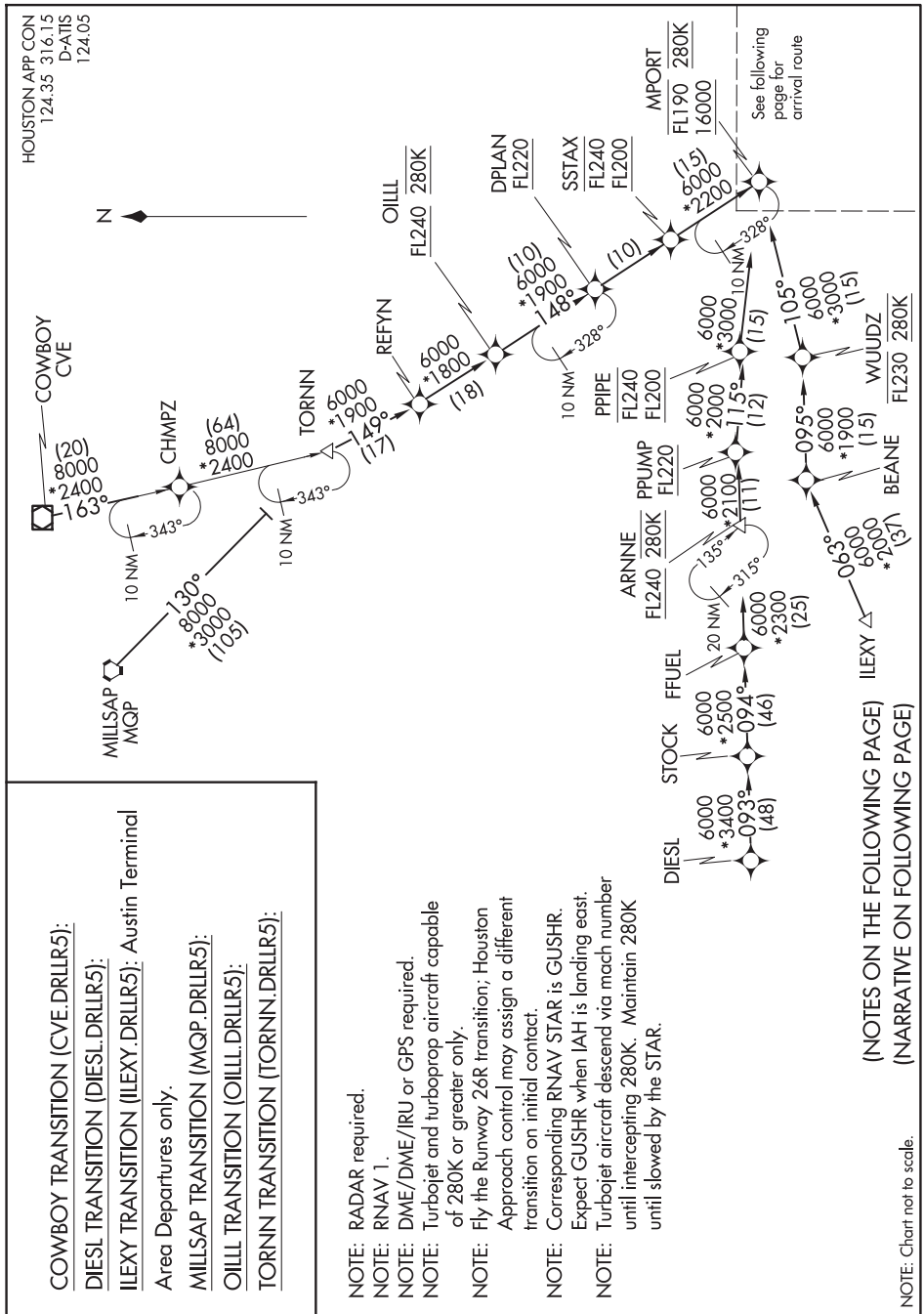
LANDING HOU RWYS 31L/R: From PLEDO on track 196° to FRITZ, then on track 196° to SSERA, then on track 244° to LLEGS, then on track 220° to MMOOW, then on track 274°. Expect vectors to final approach course.

ALL OTHER AIRPORTS: From CESAN on track 185° to CREPO, then on track 196° to PLEDO, then on track 196° to FRITZ, then on track 196° to SSERA, then on track 244° to KAANE, then on track 215°. Expect vectors to final approach course.



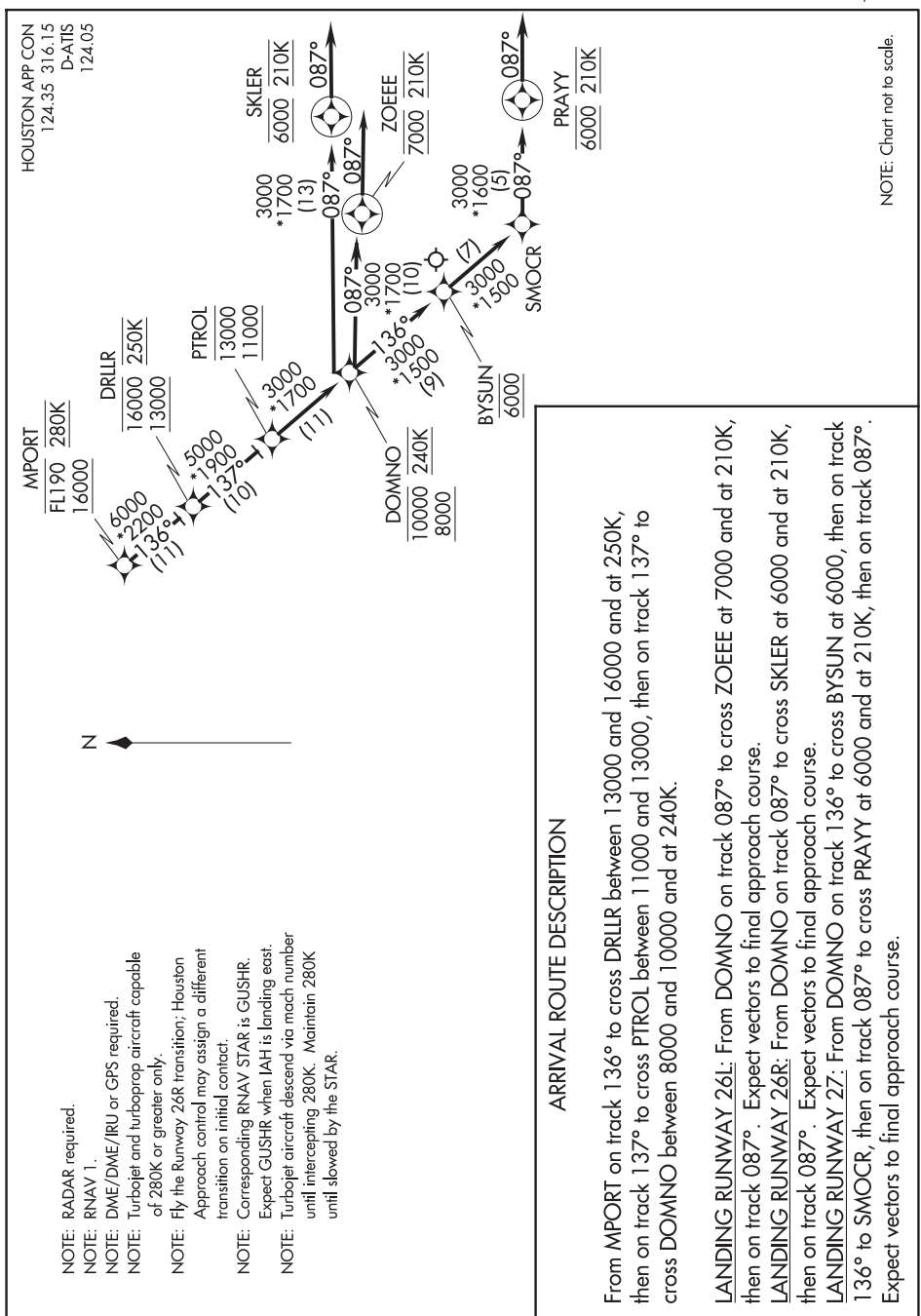


SC-5, 07 AUG 2025 to 02 OCT 2025



## DRLLR FIVE ARRIVAL (RNAV) Arrival Routes

HOUSTON, TEXAS



## DRLLR FIVE ARRIVAL (RNAV) Arrival Routes

HOUSTON, TEXAS

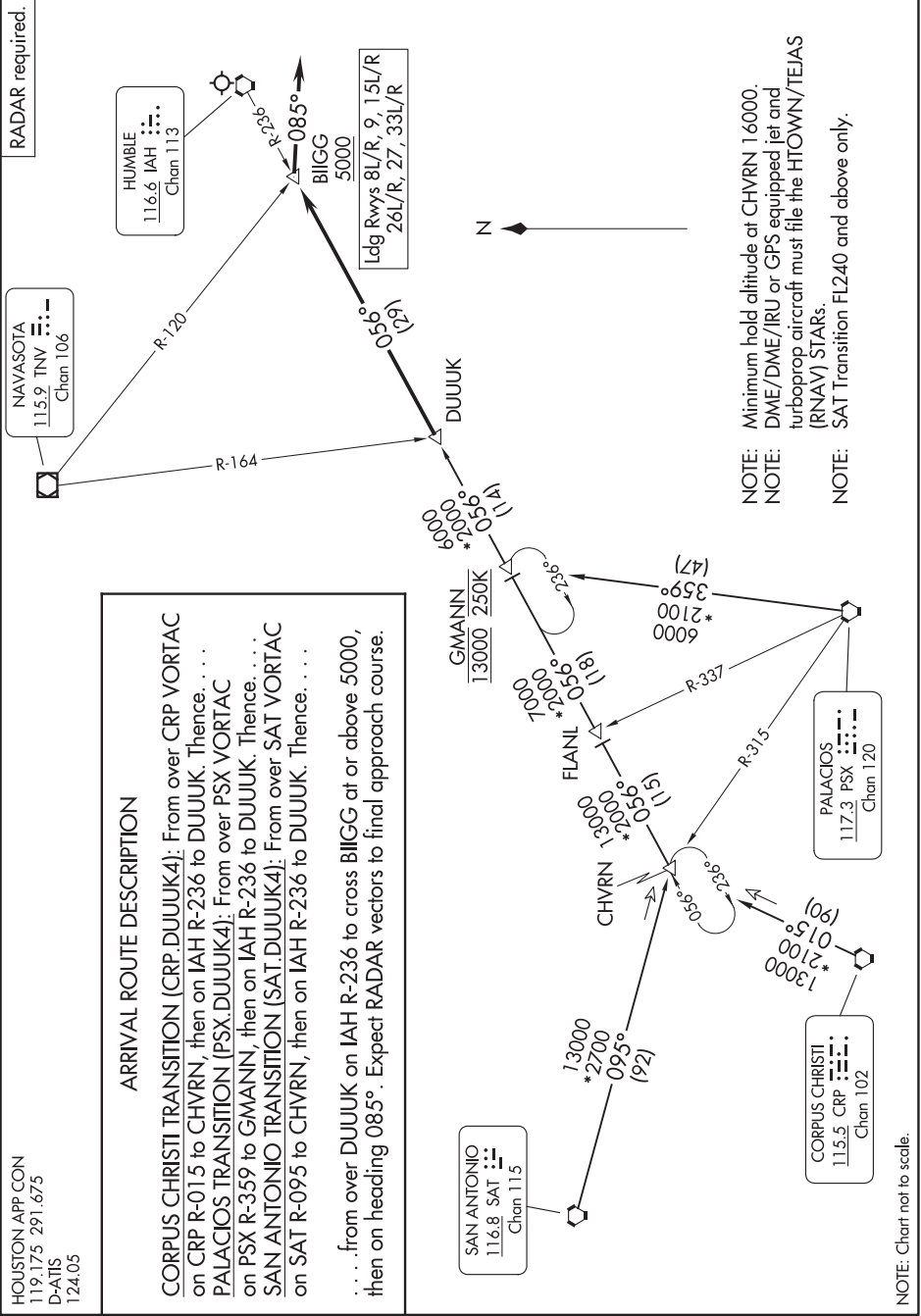
(MPORT.DRLLR5) 26MAY16

GEORGE BUSH INTCNTL/HOUSTON (IAH)

DUUUK.DUUUK4) 25219  
DUUUK FOUR ARRIVAL

AL-5461 (FAA)

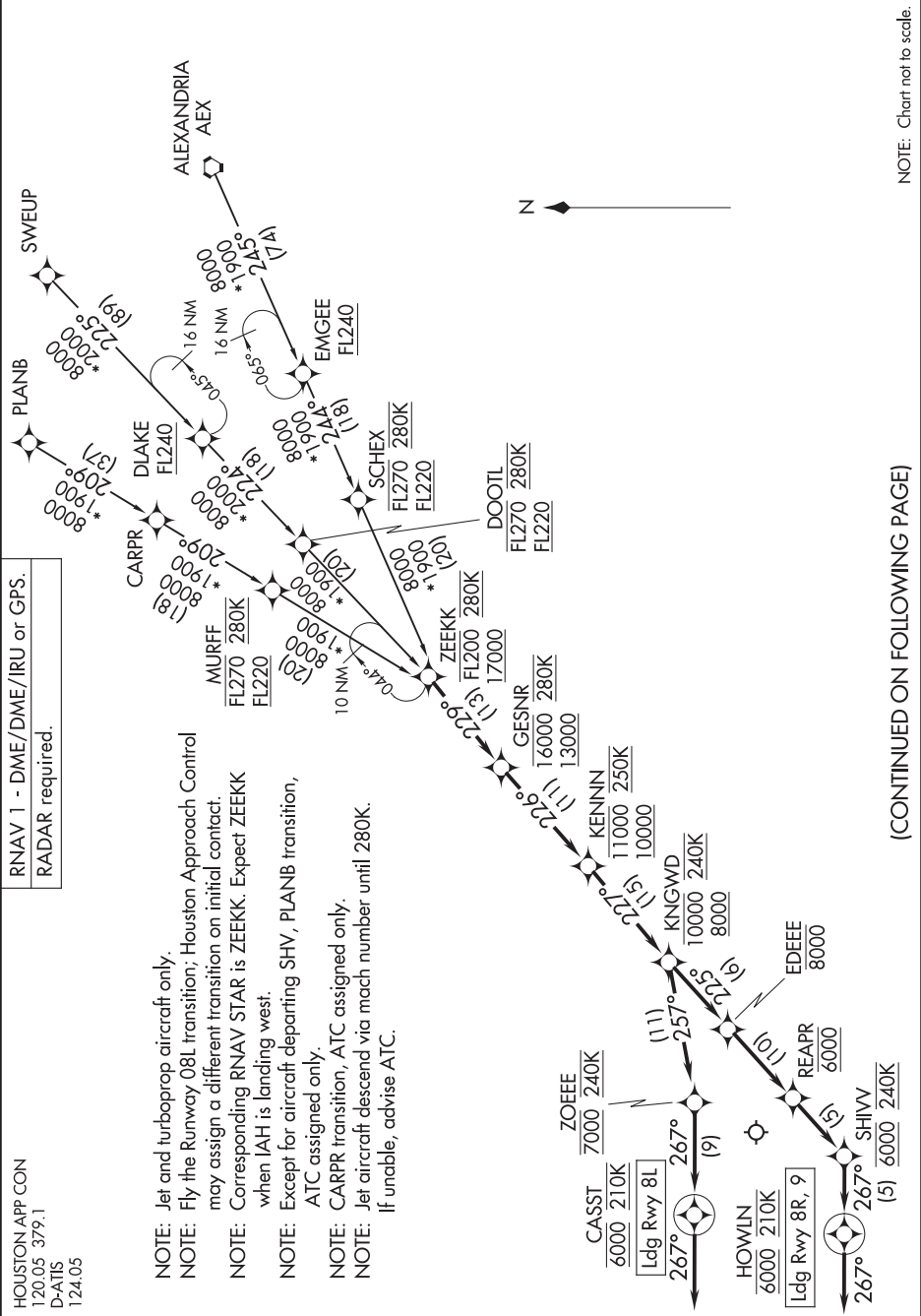
GEORGE BUSH INTCNL/HOUSTON (IAH)  
HOUSTON, TEXAS



DUUUK FOUR ARRIVAL  
(DUUUK.DUUUK4) 07AUG25

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 07 AUG 2025 to 02 OCT 2025



ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.GESNR2)

CARPR TRANSITION (CARPR.GESNR2)

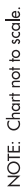
PLANB TRANSITION (PLANB.GESNR2)

SWEUP TRANSITION (SWEUP.GESNR2)

From ZEEKK on track 229° to cross GESNR between 13000 and 16000 and at 280K.

LANDING RUNWAY 8L: From GESNR on track 226° to cross KENNN between 10000 and 11000 and at 250K, then on track 227° to cross KNGWD between 8000 and 10000 and at 240K, then on track 257° to cross ZOEEE at 7000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R/9: From GESNR on track 226° to cross KENNN between 10000 and 11000 and at 250K, then on track 227° to cross KNGWD between 8000 and 10000 and at 240K, then on track 225° to cross EDEEE at or below 8000, then on track 225° to cross REAPR at 6000, then on track 225° to cross SHIVV at 6000 and at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.



CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

## ARRIVAL ROUTE DESCRIPTION

HARVEY TRANSITION (HRV.GILCO5): From over HRV VORTAC on HRV R-258 to JEPEG, then on MHF R-085 to WOLDE. Thence . . . .

JEPEG TRANSITION (JEPEG.GILCO5): From over JEPEG on MHF R-085 to WOLDE. Thence . . . .

KLAMS TRANSITION (KLAMS.GILCO5): From over KLAMS on SBI R-136 to KUGLE, then on MHF R-085 to WOLDE. Thence . . . .

LAFAYETTE TRANSITION (LFT.GILCO5): From over LFT VORTAC on LFT R-230 to GIRLY, then on MHF R-085 to WOLDE. Thence . . . .

LEEVILLE TRANSITION (LEV.GILCO5): From over LEV VORTAC on LEV R-276 to JEPEG, then on MHF R-085 to WOLDE. Thence . . . .

SABINE PASS TRANSITION (SBI.GILCO5): From over SBI VOR/DME on SBI R-233 to WOLDE. Thence . . . .

SEMMES TRANSITION (SJI.GILCO5): From SJI VORTAC on SJI R-244 to TOPEZ, then on HRV R-258 to JEPEG, then on MHF R-085 to WOLDE. Thence . . . .

. . . .From over WOLDE on IAH R-111 to GILCO.

LANDING RUNWAYS 8L/R, 9:

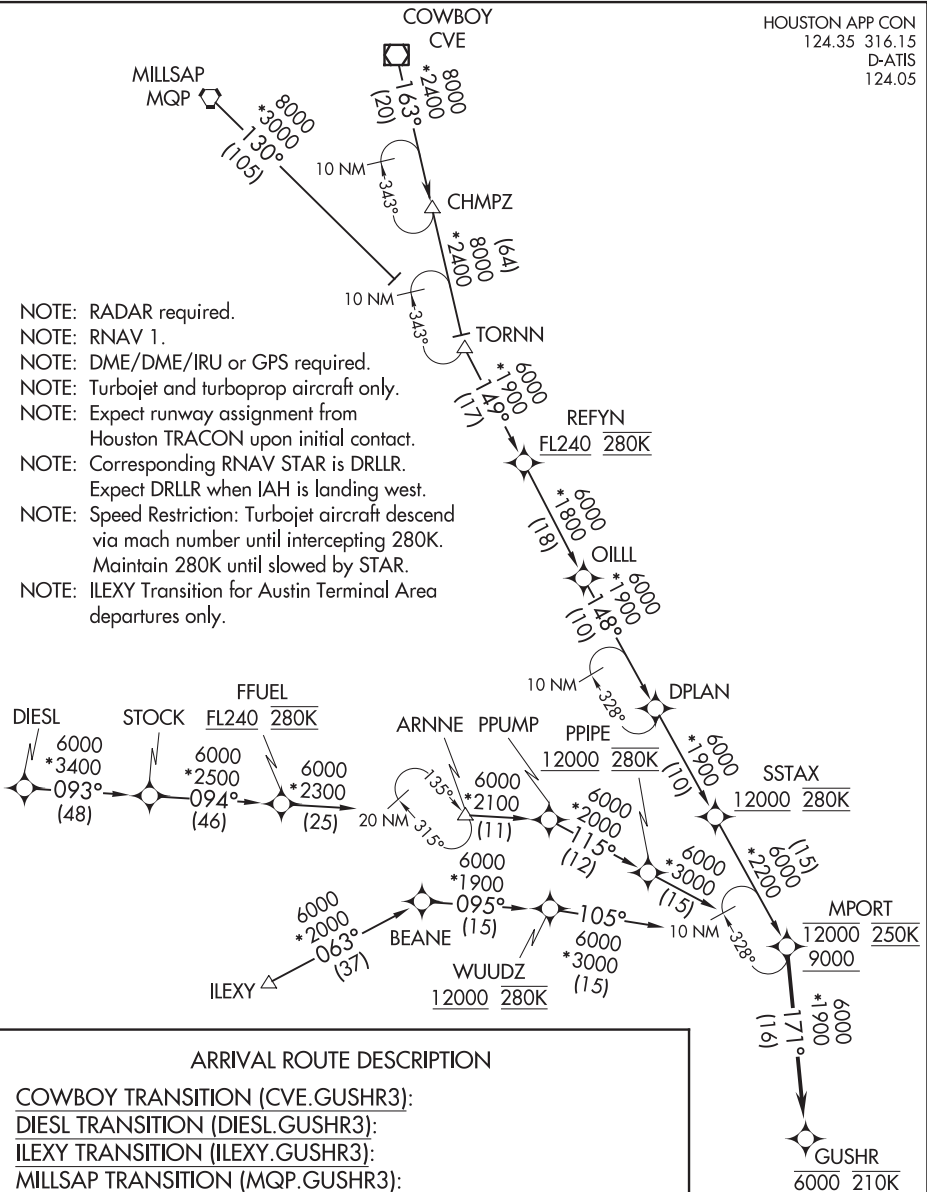
From GILCO fly heading 265° for vectors to final approach course.

FOR ALL OTHER RUNWAYS:

Expect vectors to final approach course at or prior to GILCO.



HOUSTON APP CON  
124.35 316.15  
D-ATIS  
124.05



## ARRIVAL ROUTE DESCRIPTION

### COWBOY TRANSITION (CVE.GUSHR3):

### DIESL TRANSITION (DIESL.GUSHR3):

### ILEXY TRANSITION (ILEXY.GUSHR3):

MILLSAP TRANSITION (MQP.GUSHR3):

OILL TRANSITION (OILL.GUSHR3):

TORNN TRANSITION (TORNN.GUSHR3):

From MPORT on track 171° to cross GUSHR at 6000 and at 210K.  
Expect ILS or LOC Rwy 08L.

NOTE: Chart not to scale.

GUSHR THREE ARRIVAL (RNAV)

(MPORT.GUSHR3) 08JAN15

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

(GMANN.HTOWN3) 23278

HTOWN THREE ARRIVAL (RNAV)

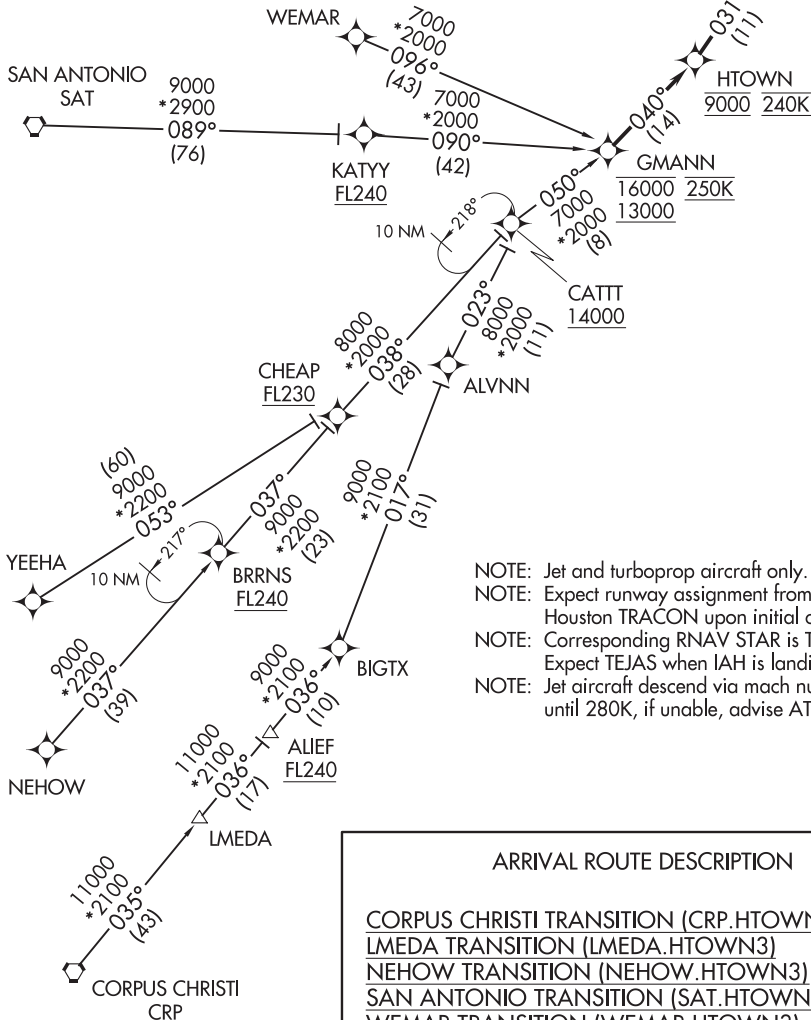
HOUSTON APP CON  
119.175 291.675  
D-ATIS  
124.05

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

GEORGE BUSH INTCNL/HOUSTON (IAH)

HOUSTON, TEXAS

WDLNS  
7000 210K  
Ldg Rwy 8R



- NOTE: Jet and turboprop aircraft only.
- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: Corresponding RNAV STAR is TEJAS. Expect TEJAS when IAH is landing west.
- NOTE: Jet aircraft descend via mach number until 280K, if unable, advise ATC.

ARRIVAL ROUTE DESCRIPTION

CORPUS CHRISTI TRANSITION (CRP.HTOWN3)  
LMEDA TRANSITION (LMEDA.HTOWN3)  
NEHOW TRANSITION (NEHOW.HTOWN3)  
SAN ANTONIO TRANSITION (SAT.HTOWN3)  
WEMAR TRANSITION (WEMAR.HTOWN3)  
YEEHA TRANSITION (YEEHA.HTOWN3)

From GMANN on track 040° to cross HTOWN at 9000 and at 240K, then on track 031° to cross WDLNS at 7000 and at 210K. Expect ILS or LOC RWY 8R.

NOTE: Chart not to scale.

HTOWN THREE ARRIVAL (RNAV)

(GMANN.HTOWN3) 05OCT23

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS



(CONTINUED ON FOLLOWING PAGE) NOTE: Chart not to scale.

**NOTE:** For jet and turboprop aircraft capable of 280K or greater only.

**NOTE:** DME/DME/IRU or GPS equipped aircraft must file the WAPPL (RNAV) STAR.

NOTE: ATC assigned only for aircraft landing CXO, DWH, IAH, T78, and 6R3.

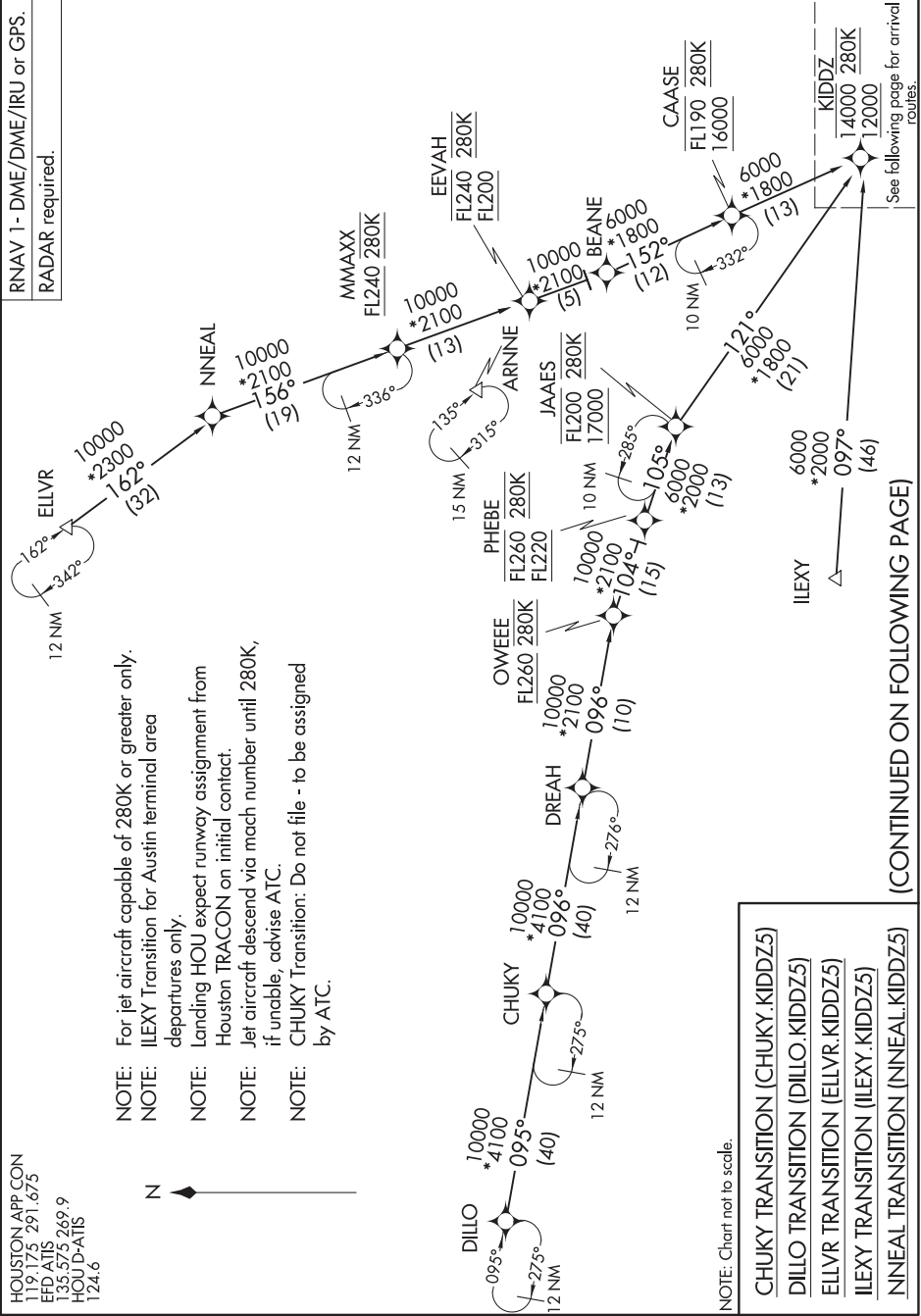
(CONTINUED ON FOLLOWING PAGE) NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.HUDZY5): From over AEX VORTAC on AEX R-235 to WAPPL, then on IAH R-067 to HUDZY. Thence. . . .

. . . .from over HUDZY on IAH R-067 to CLWSN, then on IAH R-067 to SWWAA, then on heading 190°. Expect RADAR vectors to final approach course.

SC-5, 07 AUG 2025 to 02 OCT 2025



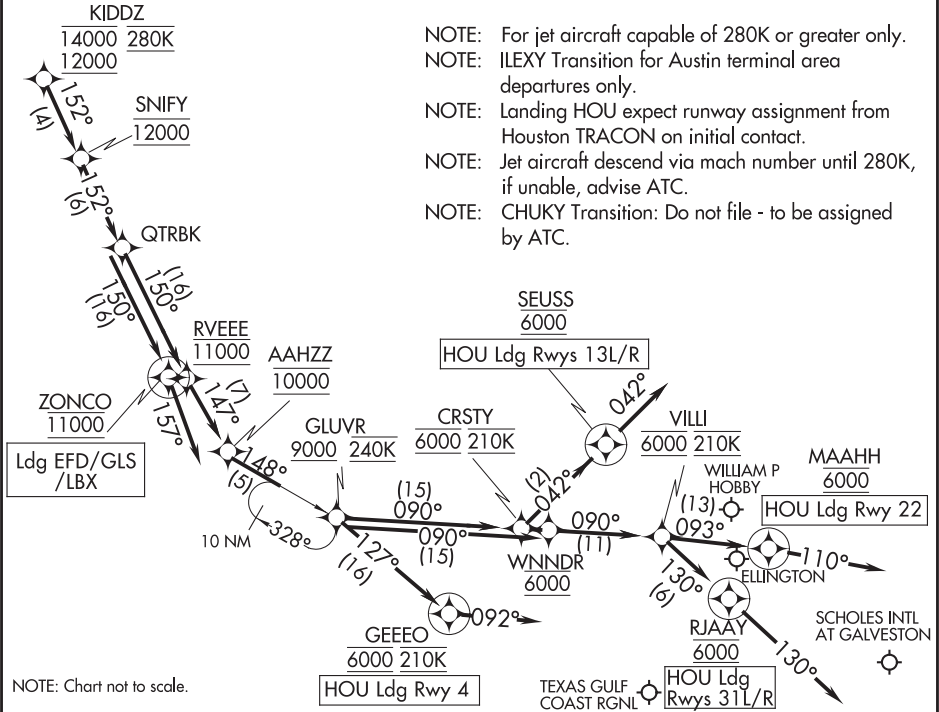
## KIDDZ FIVE ARRIVAL (RNAV) Arrival Routes

HOUSTON, TEXAS

HOUSTON APP CON  
119.175 291.675  
EFD ATIS  
135.575 269.9  
HOU D-ATIS  
124.6

RNAV 1- DME/DME/IRU or GPS.

RADAR required.



## ARRIVAL ROUTE DESCRIPTION

HOU: From KIDDZ on track 152° to cross SNIFY at 12000, then on track 152° to QTRBK, then on track 150° to cross RVEEE at 11000, then on track 147° to cross AAHHZ at 10000, then on track 148° to cross GLUVR at or above 9000 and at 240K.

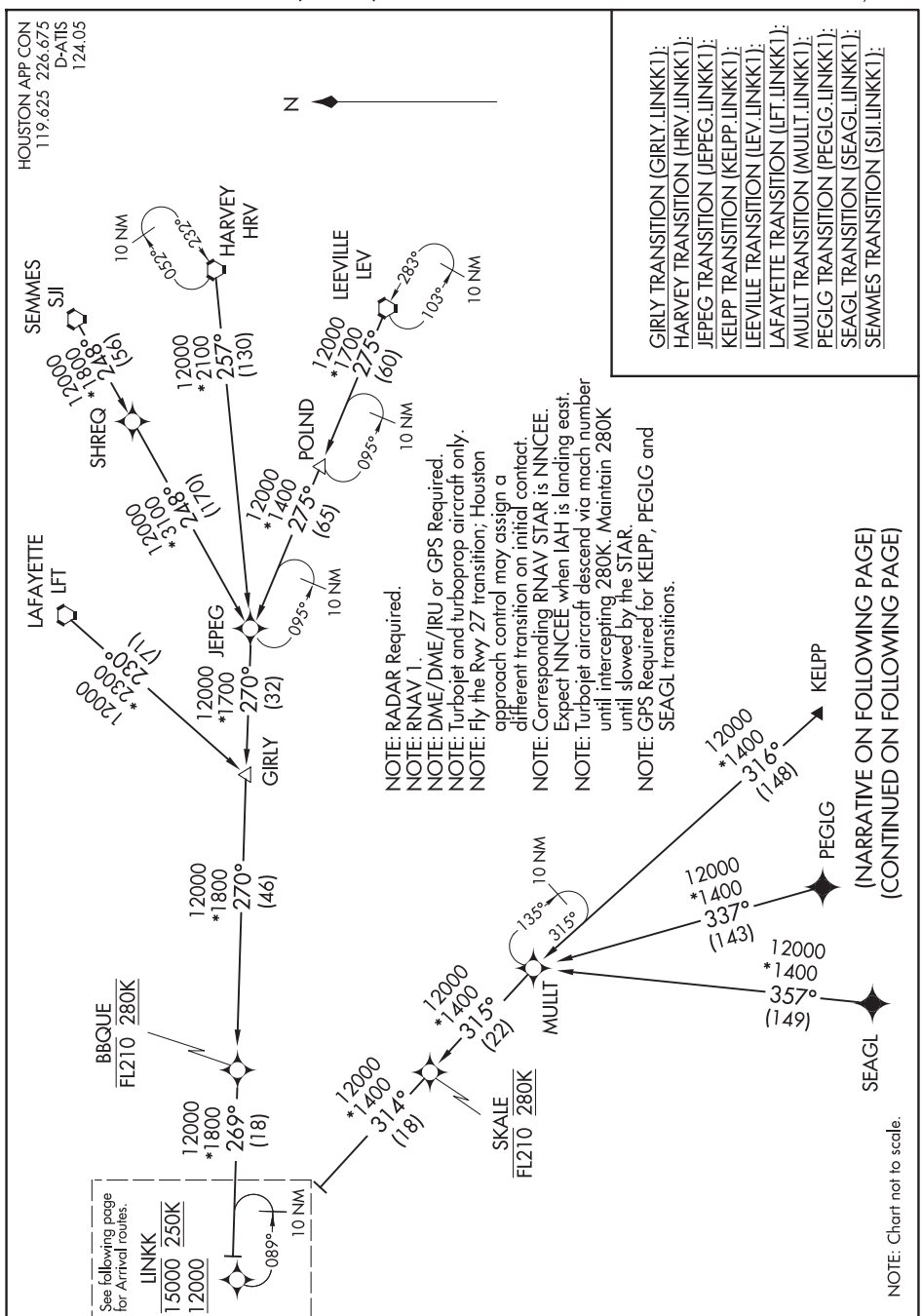
**LANDING HOU RUNWAY 4:** From GLUVR on track 127° to cross GEEEO at 6000 and at 210K, then on track 092°. Expect ILS or LOC Rwy 04 approach or RADAR vectors to final approach course.

**LANDING HOU RUNWAYS 13L/R:** From GLUVR on track 090° to cross CRSTY at 6000 and at 210K, then on track 042° to cross SEUSS at 6000, then on track 042°. Expect RADAR vectors to final approach course.

**LANDING HOU RUNWAY 22:** From GLUVR on track 090° to cross WNNDR at 6000, then on track 090° to cross VILLI at 6000 and at 210K, then on track 093° to cross MAAHH at 6000, then on track 110°. Expect RADAR vectors to final approach course.

**LANDING HOU RUNWAYS 31L/R:** From GLUVR on track 090° to cross WNNDR at 6000, then on track 090° to cross VILLI at 6000 and at 210K, then on track 130° to RJAAY at 6000, then on track 130°. Expect RADAR vectors to final approach course.

LANDING GLS/LBX/EPD: From KIDDZ on track 152° to cross SNIFY at 12000, then on track 152° to QTRBK, then on track 150° to cross ZONCO at 11000, then on track 157°. Expect RADAR vectors to final approach course.



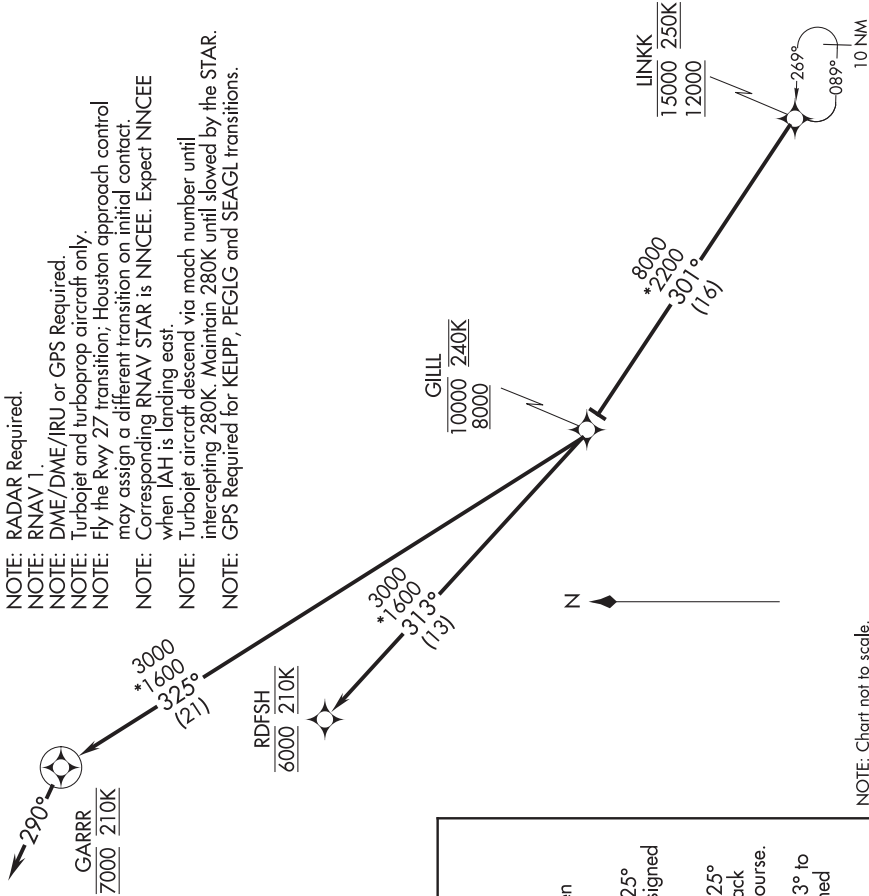
(NARRATIVE ON FOLLOWING PAGE)  
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NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON APP CON  
119.625 226.675  
D-ATIS  
124.05

- NOTE: RADAR Required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS Required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Fly the Rwy 27 transition; Houston approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is NNCCE: Expect NNCCE when IAH is landing east.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.
- NOTE: GPS Required for KELPP, PEGLG and SEAGL transitions.

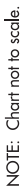


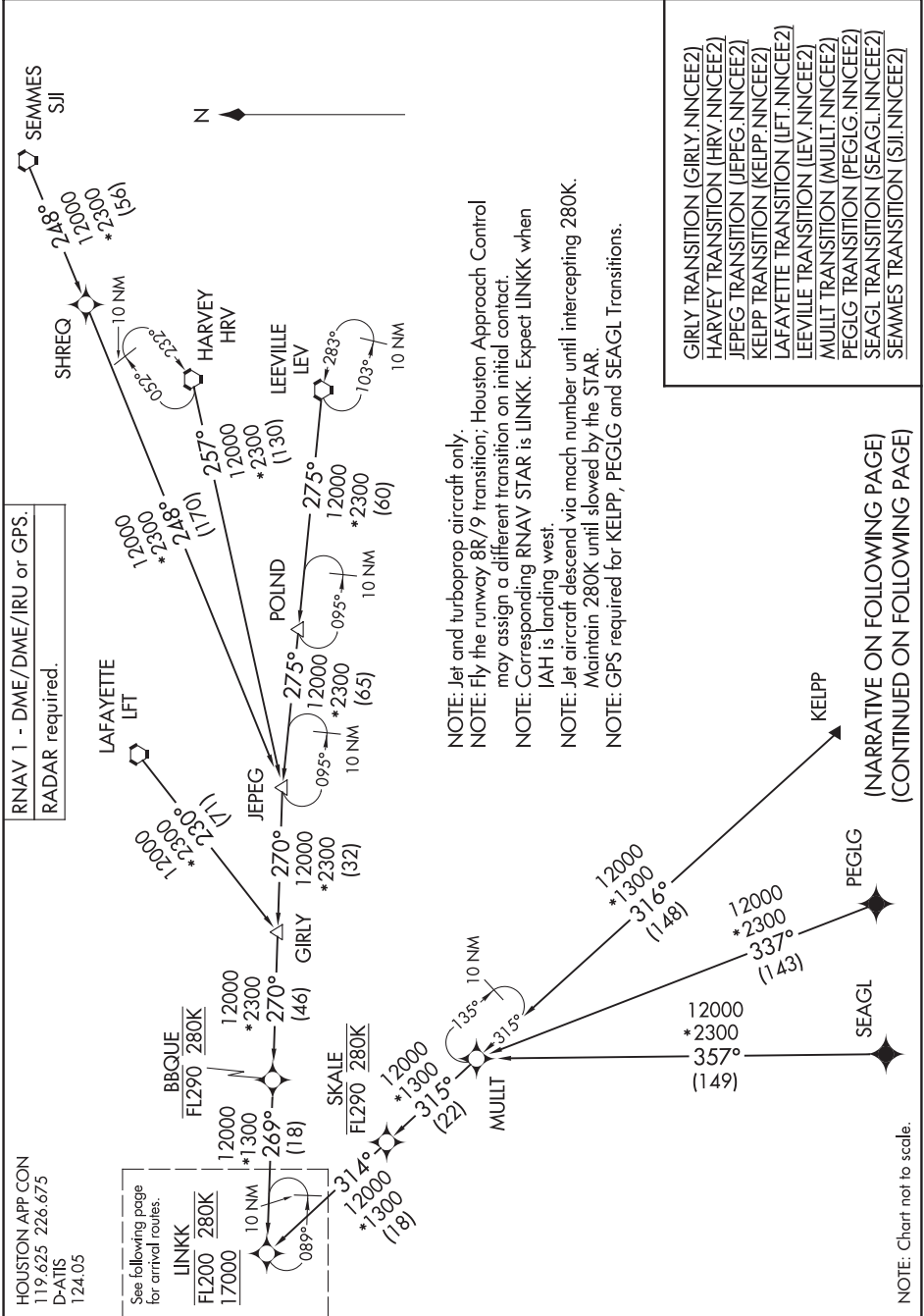
ARRIVAL ROUTE DESCRIPTION

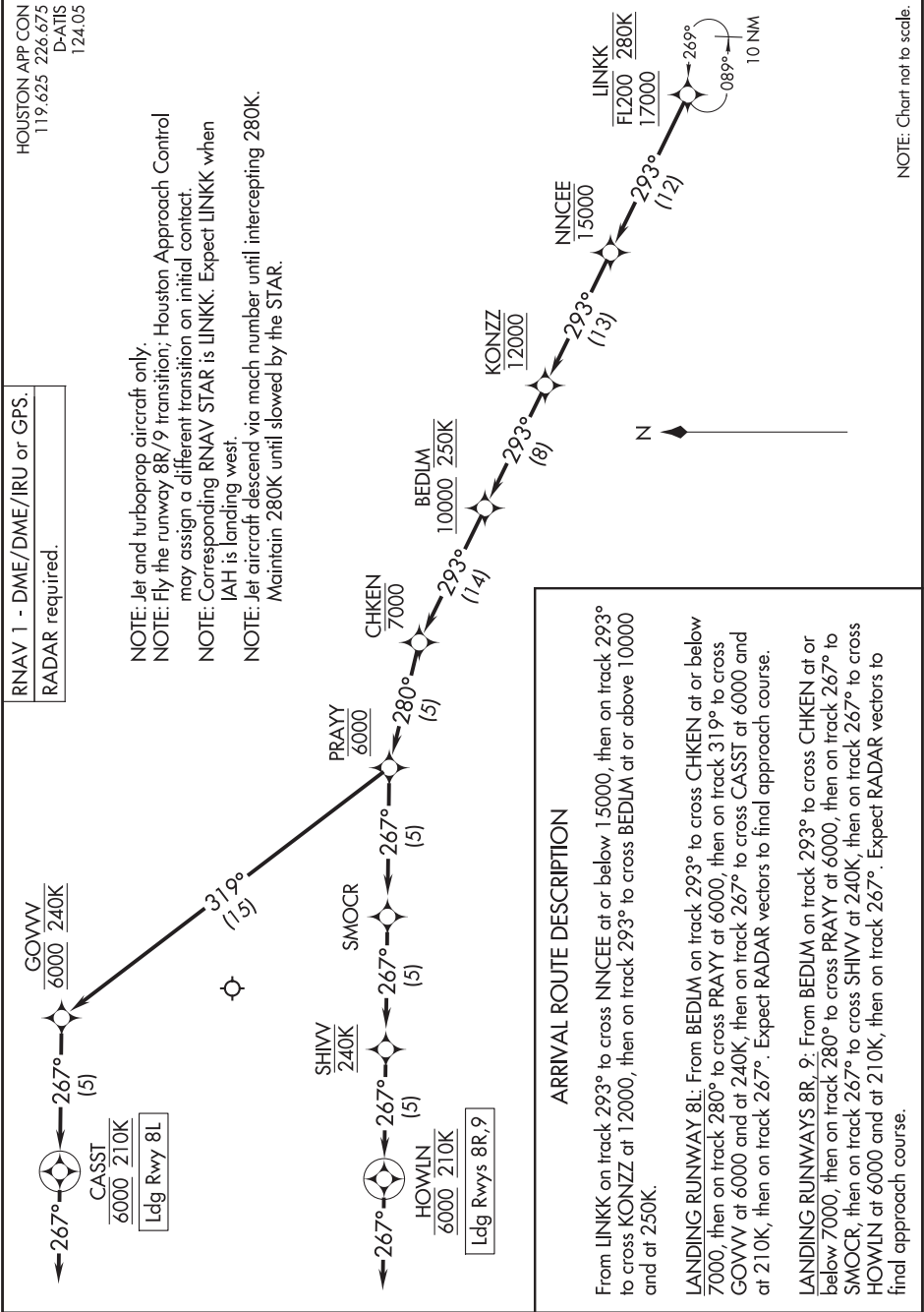
- From LINKK on track 301° to cross GILL between 8000 and 10000 and at 240K.
- LANDING RUNWAY 26L: From GILL on track 325° to cross GARRR at 7000 and at 210K. Expect assigned instrument approach RWY 26L.
- LANDING RUNWAY 26R: From GILL on track 325° to cross GARRR at 7000 and at 210K, then on track 290° at 210K. Expect vectors to final approach course.
- LANDING RUNWAY 27: From GILL on track 313° to cross RDFSH at 6000 and at 210K. Expect assigned instrument approach RWY 27.

NOTE: Chart not to scale.

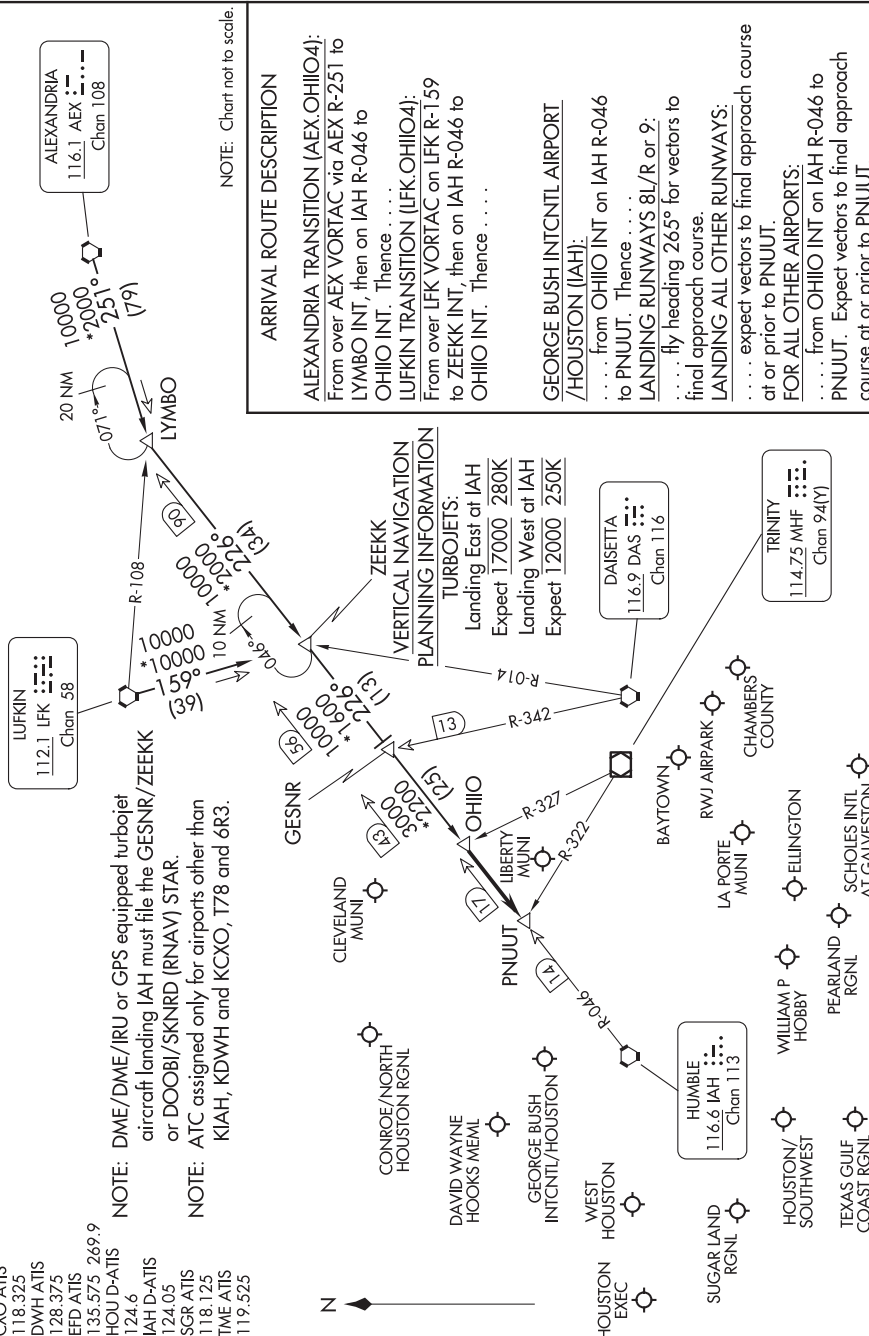


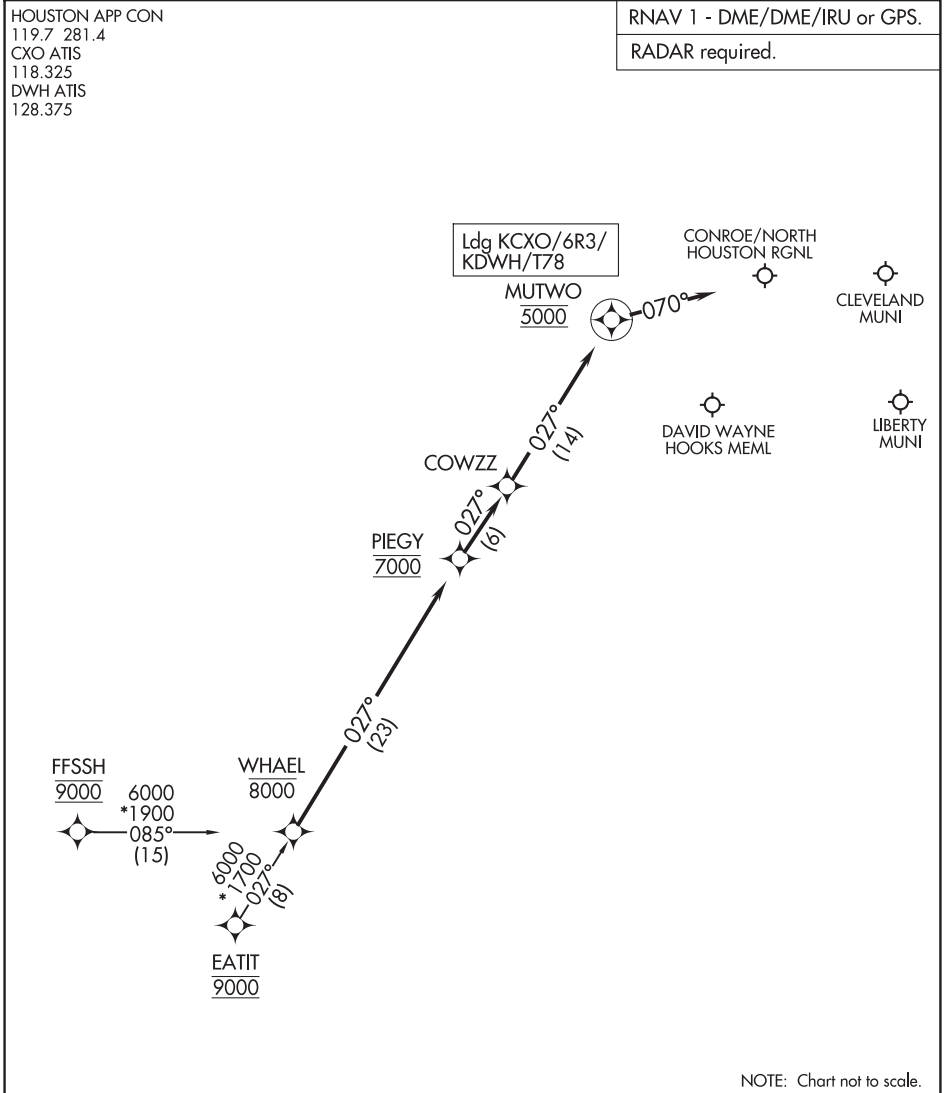






HOUSTON APP CON
120.05 379.1
CXO ATIS
118.325
DWH ATIS
128.375
EFD ATIS
135.575 269.9
HOU D-ATIS
124.6
IAH D-ATIS
124.05
MSGR ATIS
118.125
TIME ATIS
119.525





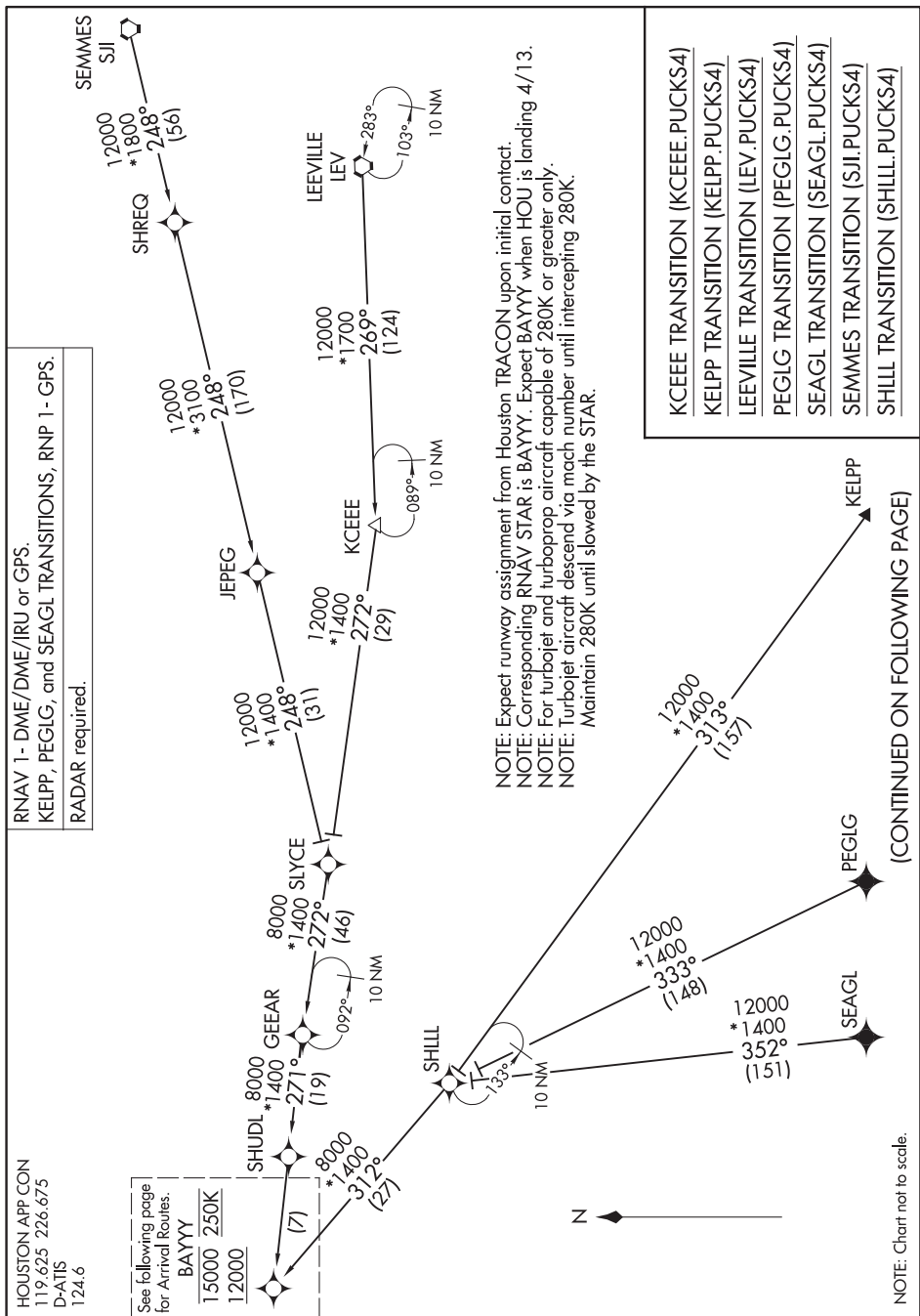
ARRIVAL ROUTE DESCRIPTION

EATIT TRANSITION (EATIT.PIEGY1)

FFSSH TRANSITION (FFSSH.PIEGY1)

LANDING ALL AIRPORTS: From WHAEL on track 027° to cross PIEGY at 7000, then on track 027° to COWZZ, then on track 027° to cross MUTWO at 5000, then on track 070°. Expect RADAR vectors to final approach course.

## PUCKS FOUR ARRIVAL (RNAV) Transition Routes



NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025

## PUCKS FOUR ARRIVAL (RNAV) Transition Routes

(BAYYY.PUCKS4) 07OCT21

HOUSTON, TEXAS

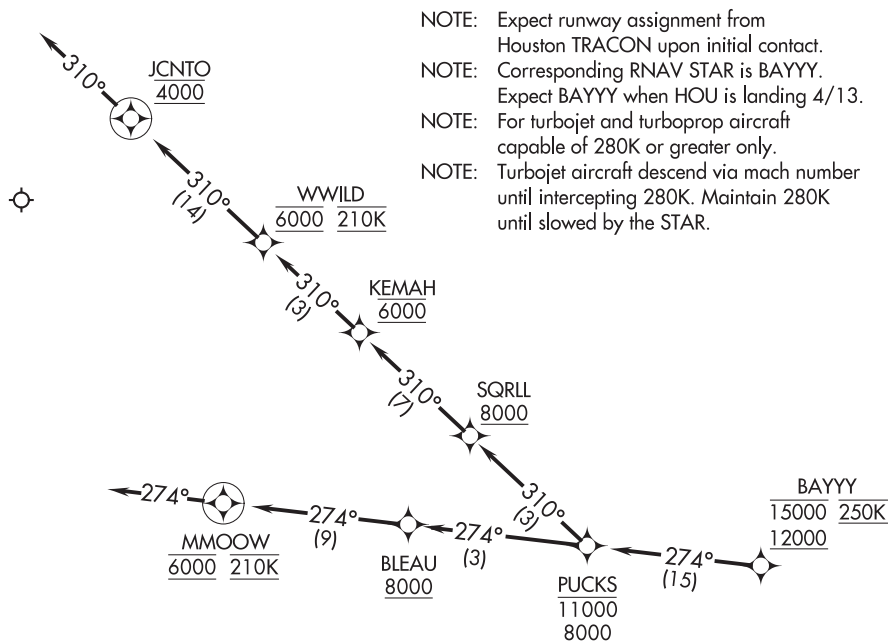
WILLIAM P HOBBY (HOU)

## PUCKS FOUR ARRIVAL (RNAV) Arrival Routes

HOUSTON APP CON  
119.625 226.675  
D-ATIS  
124.6

RNAV 1- DME/DME/IRU or GPS.

RADAR required.



NOTE: Chart not to scale.

## ARRIVAL ROUTE DESCRIPTION

From BAYYY on track 274° to cross PUCKS between 8000 and 11000.

**LANDING RUNWAY 22:** From PUCKS on track 310° to cross SQRLL at or above 8000, then on track 310° to cross KEMAH at 6000, then on track 310° to cross WWILD at 6000 and at 210K, then on track 310° to cross JCNT0 at 4000, then on track 310°. Expect RADAR vectors to final approach course.

**LANDING RUNWAYS 31L/R:** From PUCKS on track 274° to cross BLEAU at or above 8000, then on track 274° to cross MMOOW at 6000 and at 210K, then on track 274°. Expect RADAR vectors to final approach course.

## PUCKS FOUR ARRIVAL (RNAV) Arrival Routes

HOUSTON, TEXAS

WILLIAM P HOBBY (HOU)

(BAYYY.PUCKS4) 07OCT21

## RIICE ONE ARRIVAL

## Transition Routes

HOUSTON, TEXAS

HOUSTON APP CON  
124.35 316.15  
CXO ATIS  
118.325  
DWH ATIS  
128.375  
IAH D-ATIS  
124.05

MAVERICK  
113.1 TTT   
Chan 78

COWBOY  
6.2 CVE  $\overline{\cdot} \cdot \cdot = \cdot$   
Chan 109

RADAR required

BILEE TRANSITION (BILEE.RIICE1): From over BILEE on TNV R-334 to HOMRN, then on IAH R-313 to RIICE. Thence. . . .

COLLEGE STATION TRANSITION (CLL.RIICE1):  
From over CLL VORTAC on CLL R-076 to BAZBL,  
then on IAH R-313 to RIICE. Thence. . .

COWBOY TRANSITION (CVE.RIICE1): From over CVE VOR/DME on CVE R-160 to TORNN, then on TNV R-334 to HOMRN, then on IAH R-313 to RIICE. Thence. . .

ILEXY TRANSITION (ILEXY.RIICE1): From over ILEXY on CLL R-238 to CLL VORTAC, then on CLL R-076 to BAZBL, then on IAH R-313 to RIICE. Thence...

LEONA TRANSITION (LOA.RIICE1): From over LOA VORTAC on LOA R-181 to BAZBL, then on IAH R-313 to RIICE. Thence. . .

MILLSAP TRANSITION (MQP.RIICE1): From over MQP VORTAC on MQP R-124 to TORNN, then on TNV R-334 to HOMRN, then on IAH R-313 to RIICE. Thence. . . .

TORNN TRANSITION (TORNN.RIICE1): From over TORNN on TNV R-334 to HOMRN, then on IAH R-313 to RIICE. Thence, . . .

NOTE: DME/DME/IRU or GPS equipped jet or turboprop aircraft landing IAH capable of 280K or greater must file the DRLR/GUSHR (RNAV) STARs.

LEONA  
8 LOA ䷊  
Chan 45

RIICE  
Jets:

Landing east at IAH:  
Expect 9000  
Landing west at IAH:  
Expect 16000 280K

NOTE: Chart not to scale.

See following  
page for  
arrival routes.

(CONTINUED ON FOLLOWING PAGE)

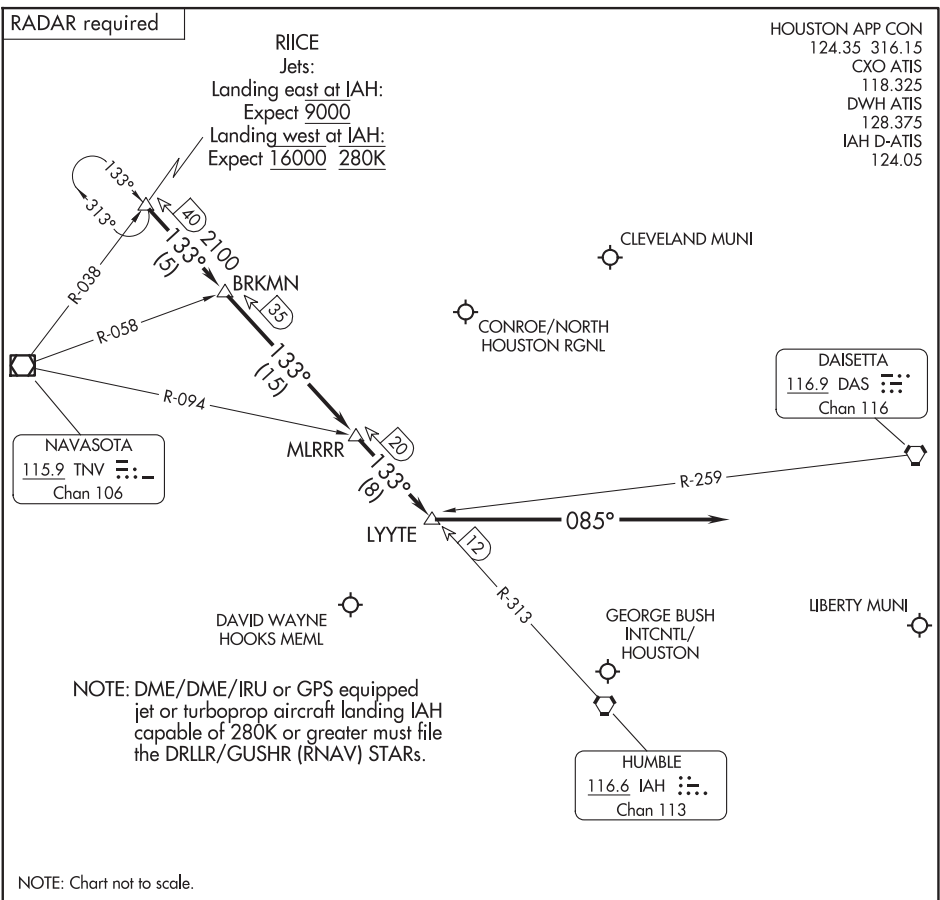
## RIICE ONE ARRIVAL

## Transition Routes

HOUSTON, TEXAS

(RIICE.RIICE1) 31 OCT 24





ARRIVAL ROUTE DESCRIPTION

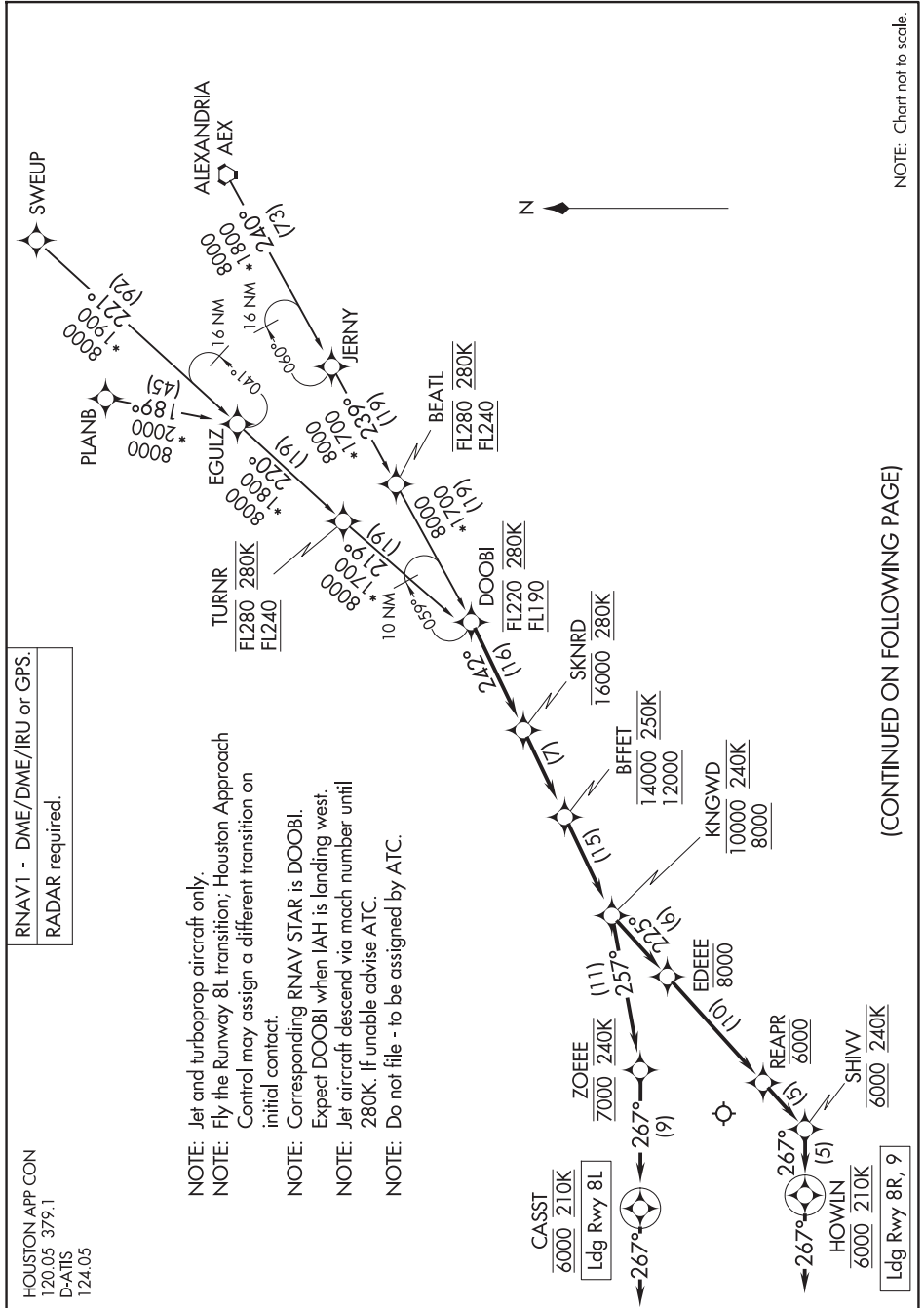
GEORGE BUSH INTCNL/HOUSTON (IAH):  
... From over RIICE on IAH R-313 to BRKMN, to MLRRR, to LYYTE.

LANDING RUNWAYS 26L/R or 27:  
... Fly heading 085° for vectors to final approach course.

LANDING ALL OTHER RUNWAYS:  
... Expect vectors to final approach course at or prior to LYYTE.

FOR ALL OTHER AIRPORTS:  
... From over RIICE on IAH R-313 to BRKMN, thence as depicted to LYYTE. Expect vectors to final approach course at or prior to LYYTE.

SC-5, 07 AUG 2025 to 02 OCT 2025



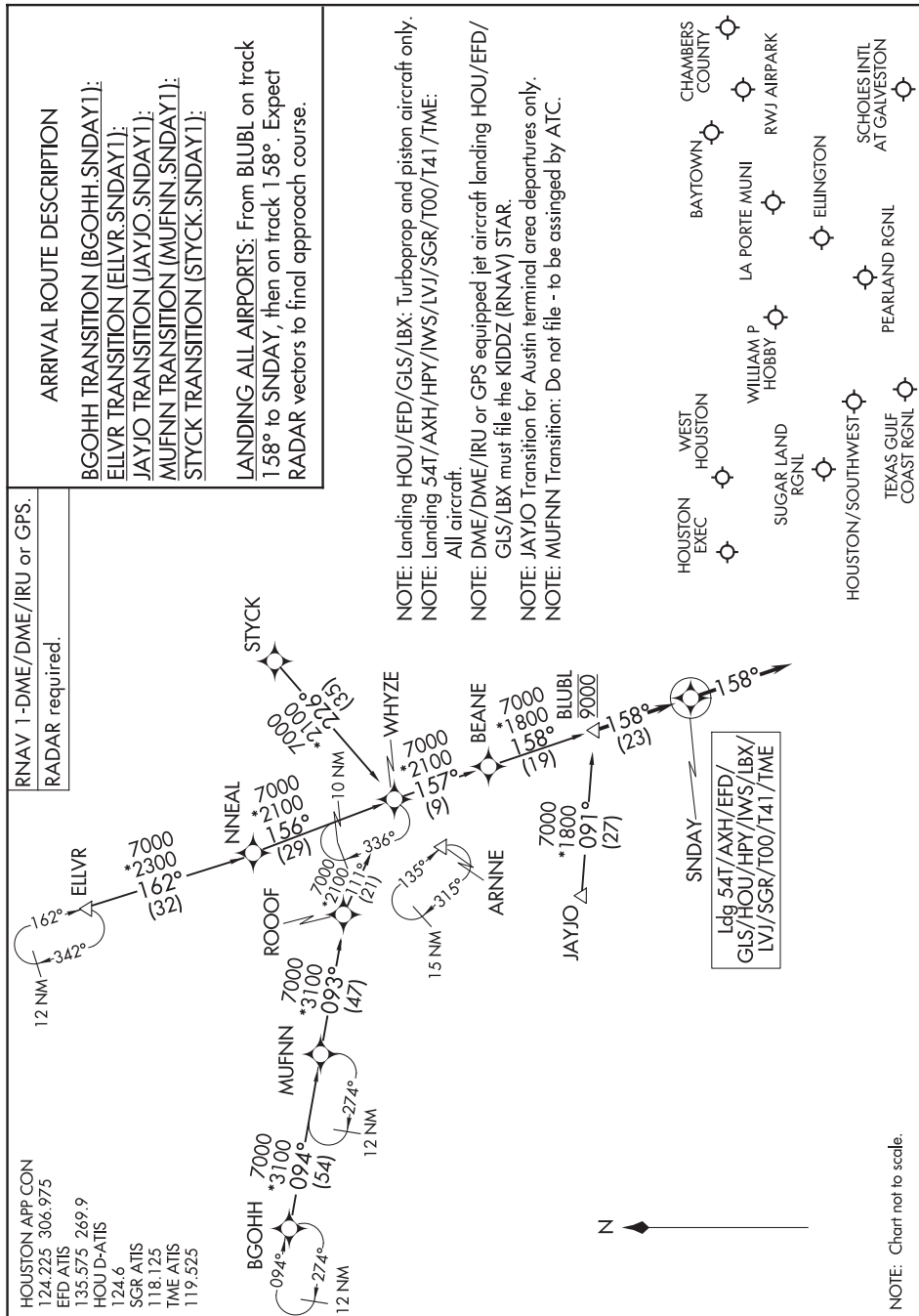
ARRIVAL ROUTE DESCRIPTION

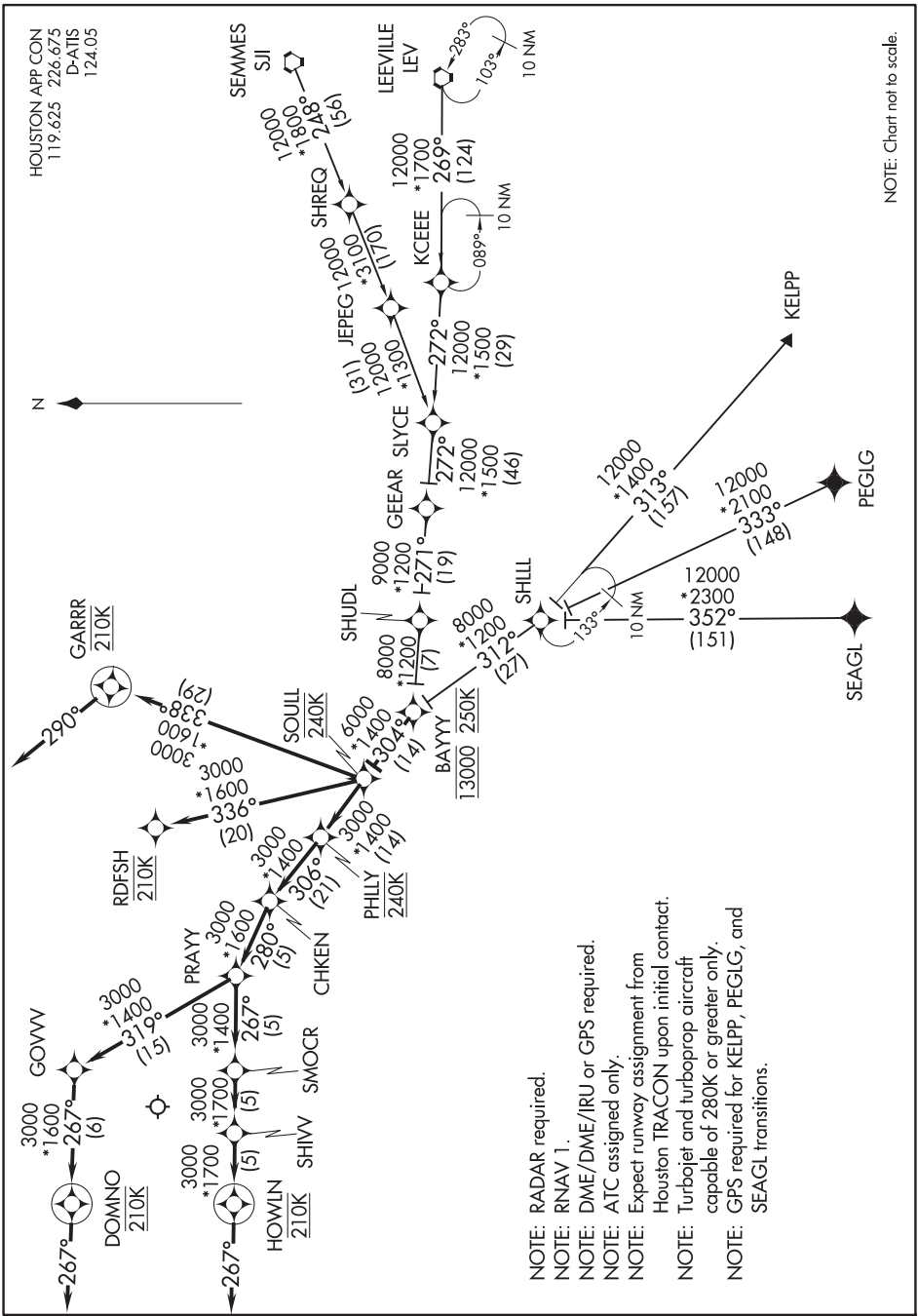
- ALEXANDRIA TRANSITION (AEX.SKNRD5)
- PLANB TRANSITION (PLANB.SKNRD5)
- SWEUP TRANSITION (SWEUP.SKNRD5)

From DOOBI on track 242° to cross SKNRD at or below 16000 and at 280K.

LANDING RUNWAY 8L: From SKNRD on track 242° to cross BFFET between 12000 and 14000 and at 250K, then on track 242° to cross KNGWD at between 8000 and 10000 and at 240K, then on track 257° to cross ZOEEE at 7000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R, 9: From SKNRD on track 242° to cross BFFET between 12000 and 14000 and at 250K, then on track 242° to cross KNGWD between 8000 and 10000 and at 240K, then on track 225° to cross EDEEE at or below 8000, then on track 225° to cross REAPR at 6000, then on track 225° to cross SHIVV at 6000 and at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.





KCEEE TRANSITION (KCEEE.SOULL1):

KELPP TRANSITION (KELPP.SOULL1):

LEEVILLE TRANSITION (LEV.SOULL1):

PEGLG TRANSITION (PEGLG.SOULL1):

SEAGL TRANSITION (SEAGL.SOULL1):

SHLL TRANSITION (SHLL.SOULL1):

SEMMES TRANSITION (SJI.SOULL1):

ARRIVAL ROUTE DESCRIPTION

From BAYYY on track 304° to SOULL at 240K.

LANDING RUNWAY 8L: From SOULL on track 304° to PHLLY at 240K, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 319° to GOVVV, then on track 267° to DOMNO at 210K, then on track 267° at 210K. Expect vectors to final approach course.

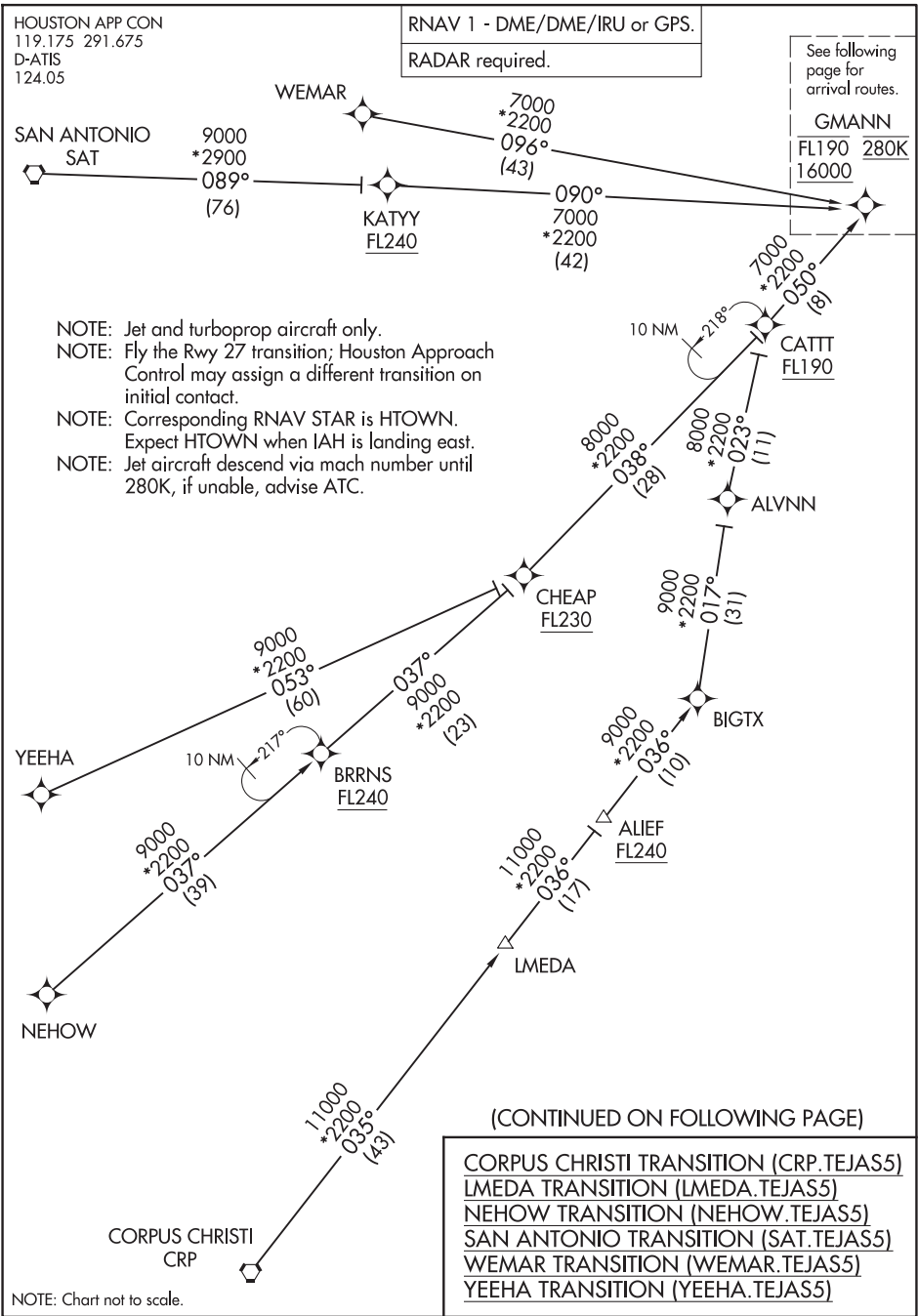
LANDING RUNWAY 8R: From SOULL on track 304° to PHLLY at 240K, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 267° to SMOCR, then on track 267° to SHIVV, then on track 267° to HOWLN at 210K, then on track 267°. Expect vectors to final approach course.

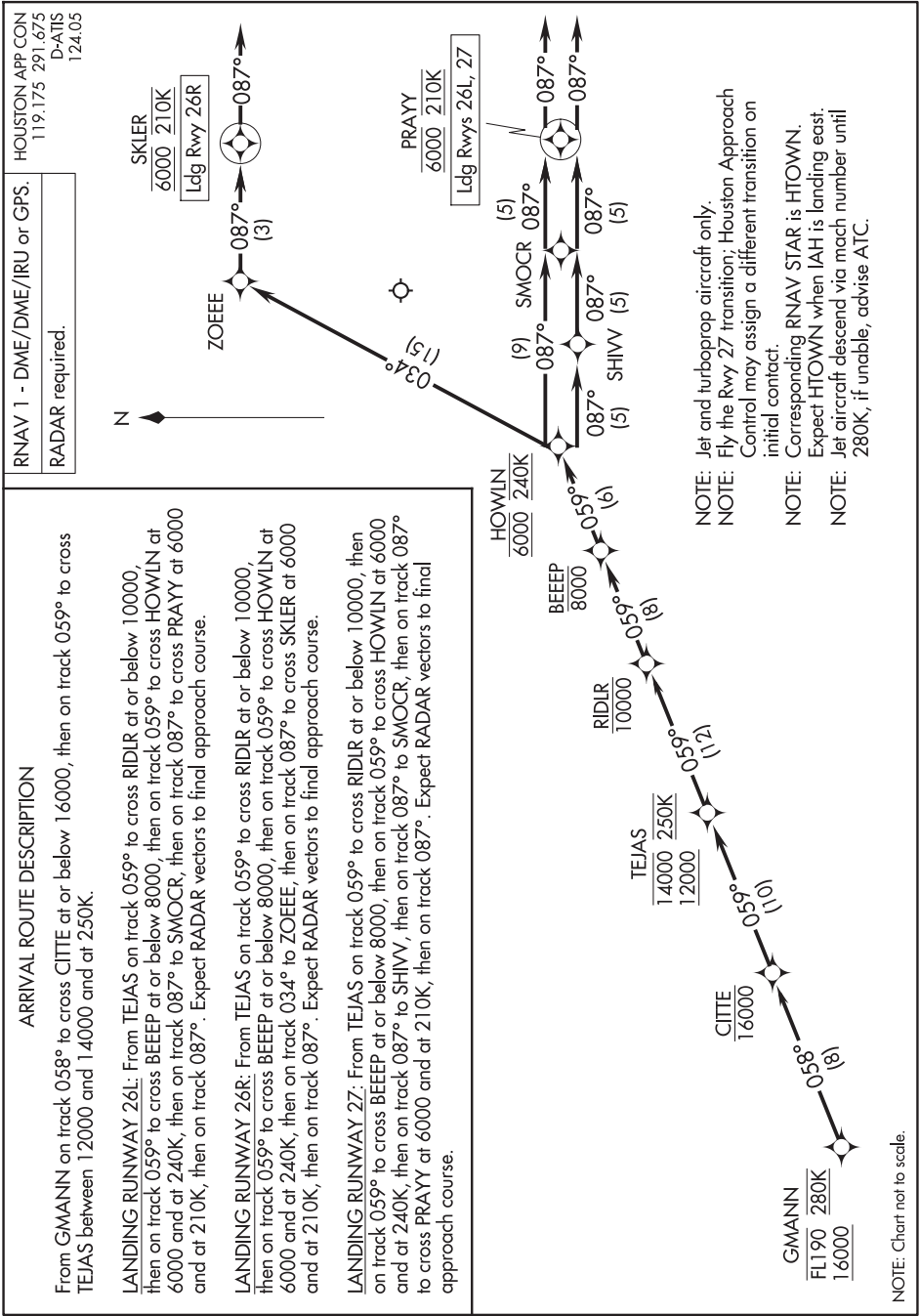
LANDING RUNWAY 9: From SOULL on track 304° to PHLLY at 240K, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 267° to SMOCR, then on track 267° to SHIVV, then on track 267° to HOWLN at 210K, then on track 267°. Expect vectors to final approach course.

LANDING RUNWAY 26L: From SOULL on track 338° to GARRR at 210K. Expect ILS or LOC Rwy 26L.

LANDING RUNWAY 26R: From SOULL on track 338° to GARRR at 210K, then on track 290° at 210K. Expect vectors to final approach course.

LANDING RUNWAY 27: From SOULL on track 336° to RDFSH at 210K. Expect ILS or LOC Rwy 27.







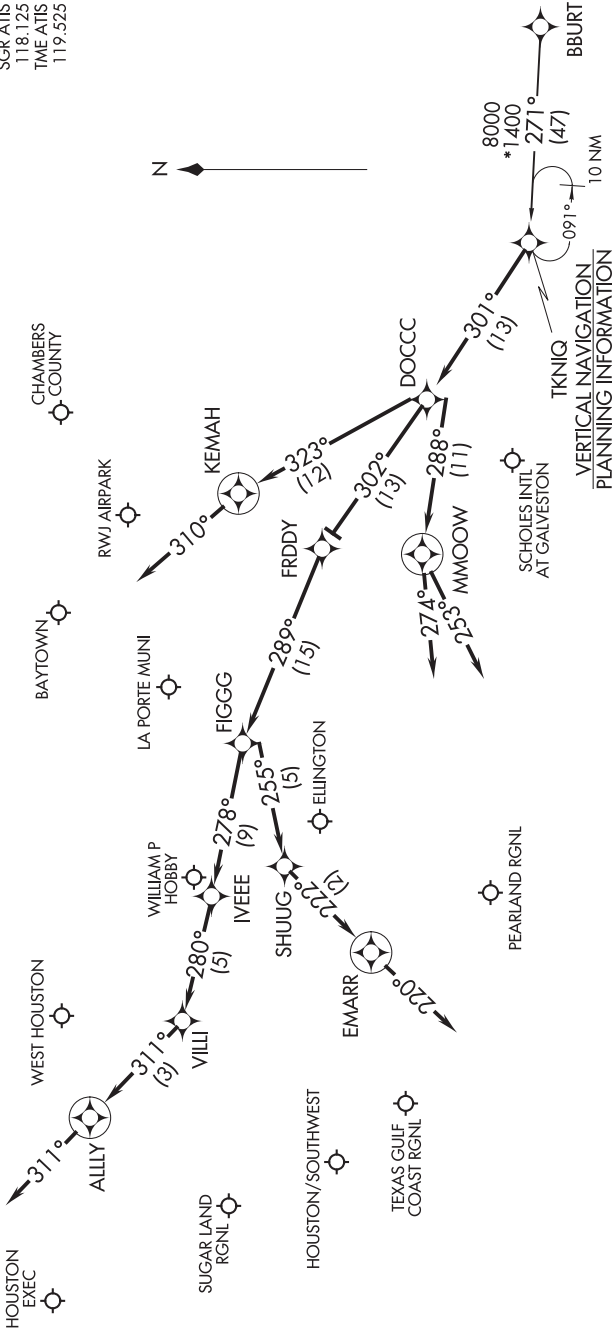
RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

HOUSTON APP CON  
119.625 226.675  
EFD ATIS  
135.575 269.9  
HOU D-ATIS  
124.6  
SGR ATIS  
118.125  
TME ATIS  
119.525

(TKNIQ.TKNIQ3) 25051  
TKNIQ THREE ARRIVAL (RNAV)

AL-198 (FAA)

HOUSTON, TEXAS



NOTE: Turbojet and turboprop aircraft only.  
NOTE: ATC assigned only for aircraft landing HOU.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

BBURT TRANSITION (BBURT.TKNIQ3)

From TKNIQ on track 301° to DOCCC.

LANDING HOU RUNWAY 4: From DOCCC on track 302° to FRDDY, then on track 289° to FIGGG, then on track 255° to SHUUG, then on track 222° to EMARR, then on track 220°. Expect RADAR vectors to final approach course.

LANDING HOU RUNWAYS 13L/R: From DOCCC on track 302° to FRDDY, then on track 289° to FIGGG, then on track 278° to IVEEE, then on track 280° to VILLI, then on track 311° to ALLY, then on track 311°. Expect RADAR vectors to final approach course.

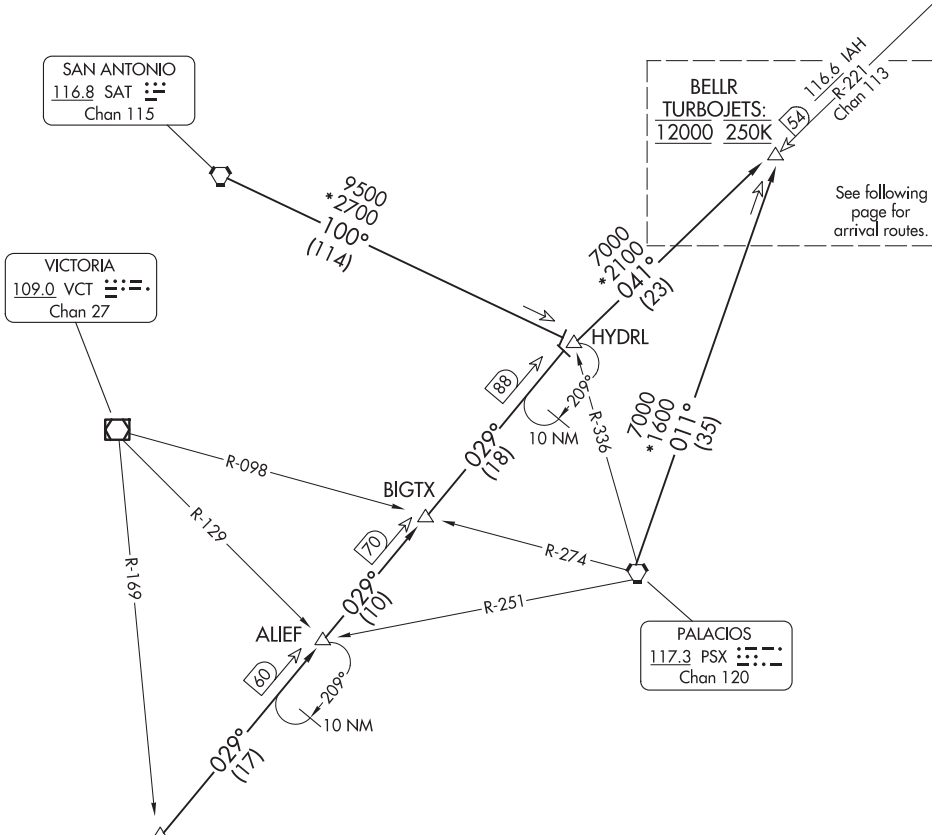
LANDING HOU RUNWAY 22: From DOCCC on track 323° to KEMAH, then on track 310°. Expect RADAR vectors to final approach course.

LANDING HOU RUNWAYS 31L/R: From DOCCC on track 288° to MMOOW, then on track 274°. Expect RADAR vectors to final approach course.

LANDING AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, TØØ, T41, 54T:  
From DOCCC on track 288° to MMOOW, then on track 253°. Expect RADAR vectors to final approach course.

HOUSTON APP CON  
119.175 291.675  
EFD ATIS  
135.575 269.9  
HOU D-ATIS  
124.6  
SGR ATIS  
118.125  
TME ATIS  
119.525

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS equipped turbojet and turboprop aircraft landing HOU must file the BELLR (RNAV) STAR.  
NOTE: DME required.  
NOTE: DME required for holding at HYDRL.



NOTE: Chart not to scale. (CONTINUED ON FOLLOWING PAGE)

CORPUS CHRISTI TRANSITION (CRP.TSHRT2): From over CRP VORTAC on CRP R-029 to HYDRL, then on IAH R-221 to BELLR. Thence . . . .  
PALACIOS TRANSITION (PSX.TSHRT2): From over PSX VORTAC on PSX R-011 to BELLR. Thence . . . .  
SAN ANTONIO TRANSITION (SAT.TSHRT2): From over SAT VORTAC on SAT R-100 to HYDRL, then on IAH R-221 to BELLR. Thence . . . .

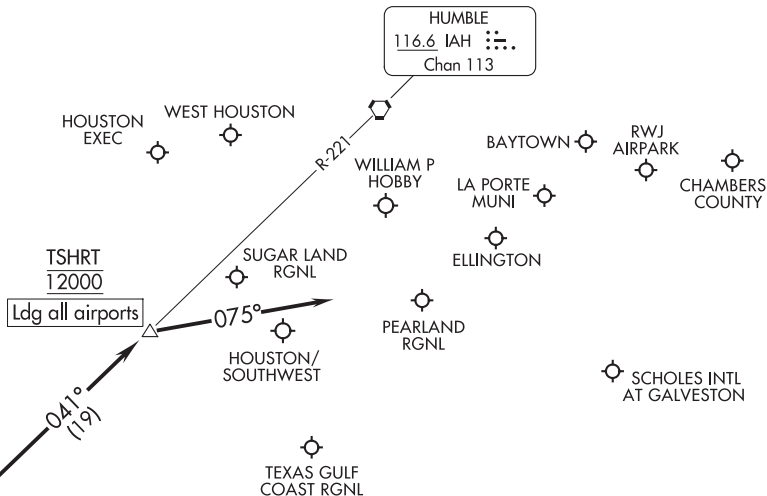
AL-198 (FAA)

## TSHRT TWO ARRIVAL

## Arrival Routes

HOUSTON, TEXAS

HOUSTON APP CON  
119.175 291.675  
EFD ATIS  
135.575 269.9  
HOU D-ATIS  
124.6  
SGR ATIS  
118.125  
TME ATIS  
119.525



NOTE: RADAR required.

NOTE: DME/DME/IRU or GPS equipped turbojet and turboprop aircraft landing HOU must file the BELLR (RNAV) STAR.

NOTE: DME required.

NOTE: Chart not to scale.

## ARRIVAL ROUTE DESCRIPTION

... from over BELLR on IAH R-221 to cross TSHRT at 12000. From TSHRT fly heading 075° for vectors to final approach course.

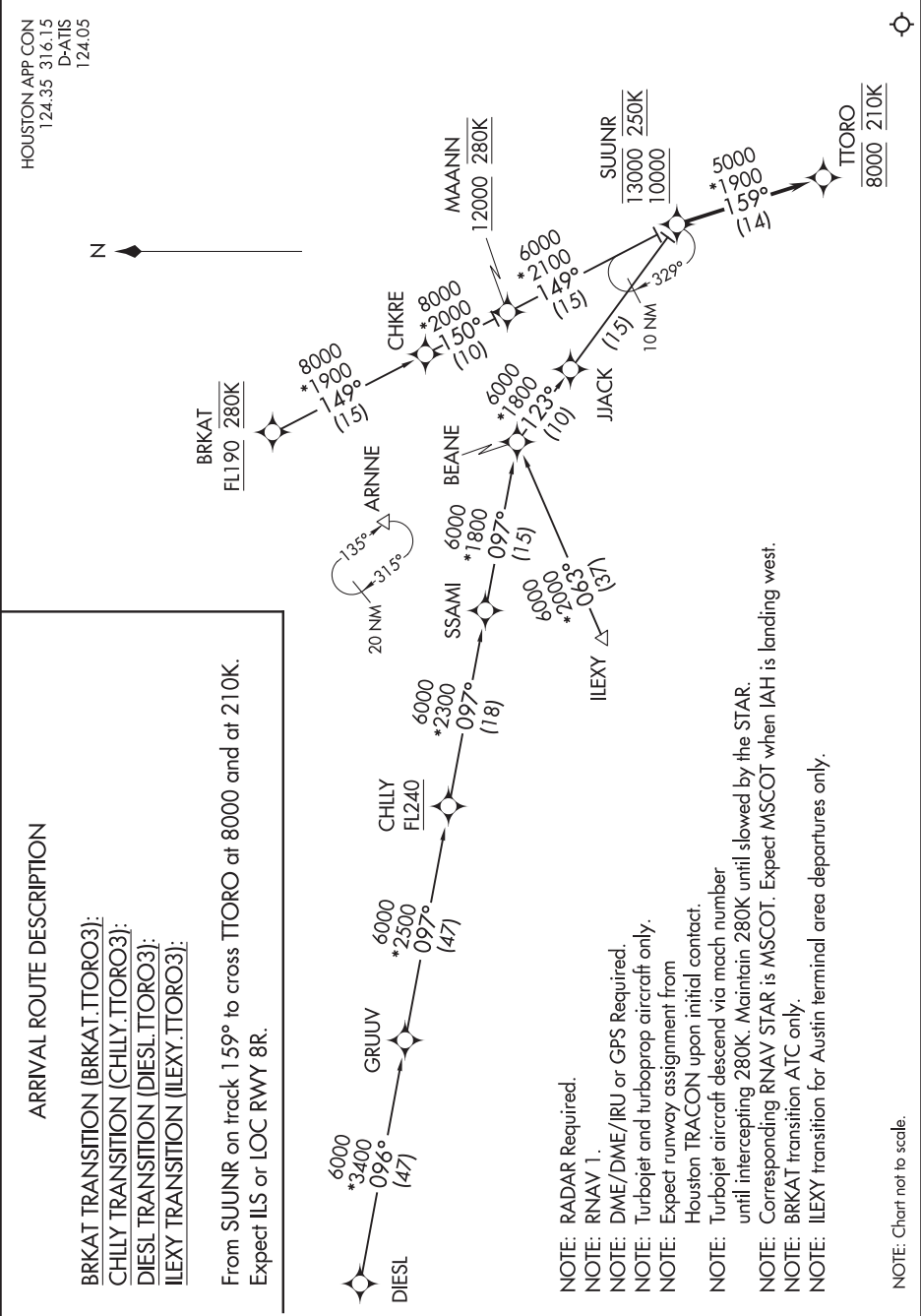
## TSHRT TWO ARRIVAL

(BELLR.TSHRT2) 03NOV22

## Arrival Routes

HOUSTON, TEXAS

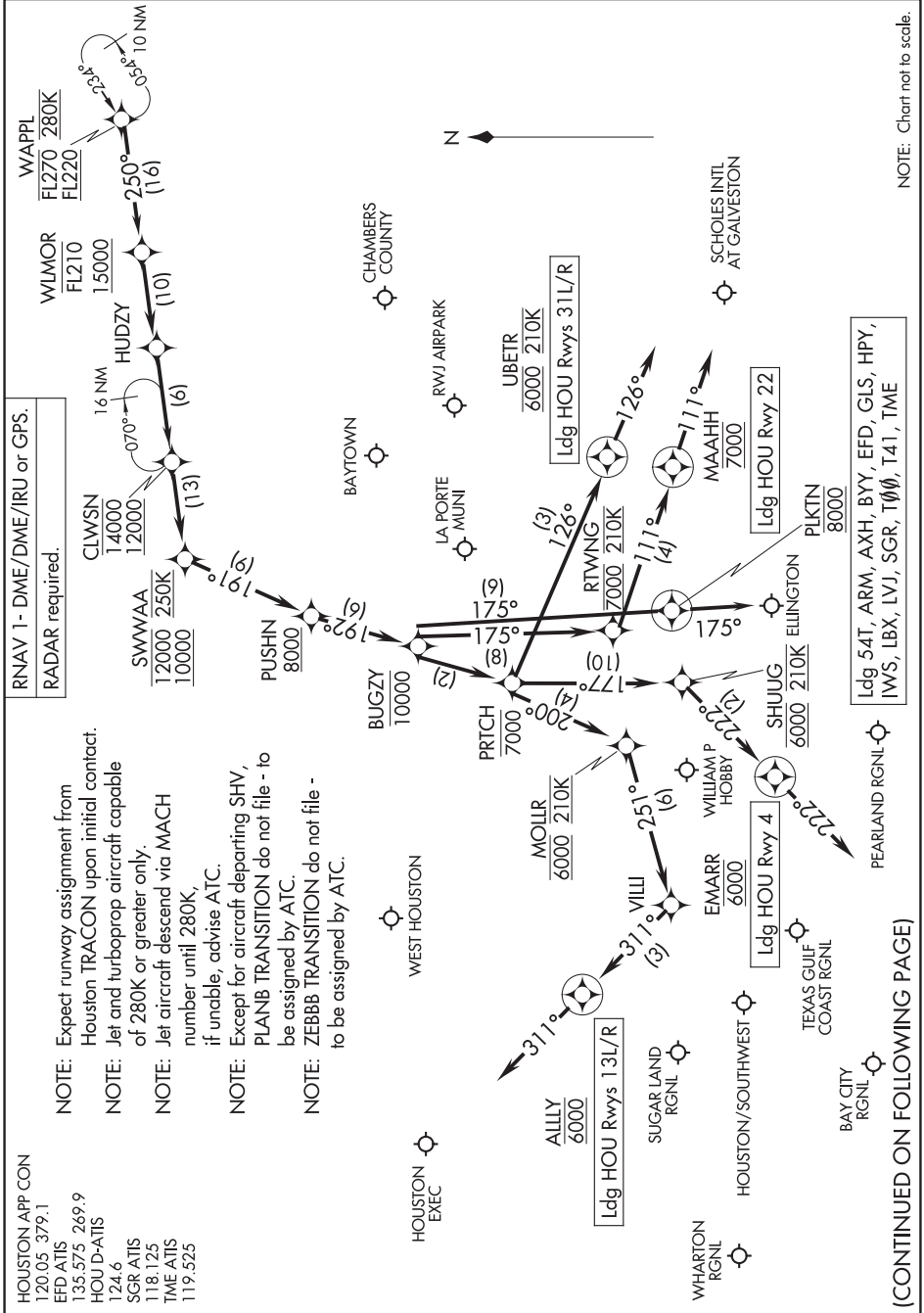
SC-5, 07 AUG 2025 to 02 OCT 2025



## HOUSTON, TEXAS



SC-5, 07 AUG 2025 to 02 OCT 2025



ARRIVAL ROUTE DESCRIPTION

From WAPPL on track 250° to cross WLMOR between 15000 and FL210, then on track 250° to HUDZY, then on track 250° to cross CLWSN between 12000 and 14000, then on track 250° to cross SWWAA between 10000 and 12000 and at 250K, then on track 191° to cross PUSHN at or above 8000.

LANDING HOU RUNWAY 4: From PUSHN on track 192° to cross BUGZY at or below 10000, then on track 192° to cross PRTH at or below 7000, then on track 177° to cross SHUUG at 6000 and at 210K, then on track 222° to cross EMARR at 6000, then on track 222°. Expect RADAR vectors to final approach course.

LANDING HOU RUNWAYS 13L/R: From PUSHN on track 192° to cross BUGZY at or below 10000, then on track 192° to cross PRTH at or below 7000, then on track 200° to cross MOLLR at 6000 and at 210K, then on track 251° to VILLI, then on track 311° to cross ALLY at 6000, then on track 311°. Expect RADAR vectors to final approach course.

LANDING HOU RUNWAY 22: From PUSHN on track 192° to cross BUGZY at or below 10000, then on track 175° to cross RTWNG at 7000 and at 210K, then on track 111° to cross MAAHH at 7000, then on track 111°. Expect RADAR vectors to final approach course.

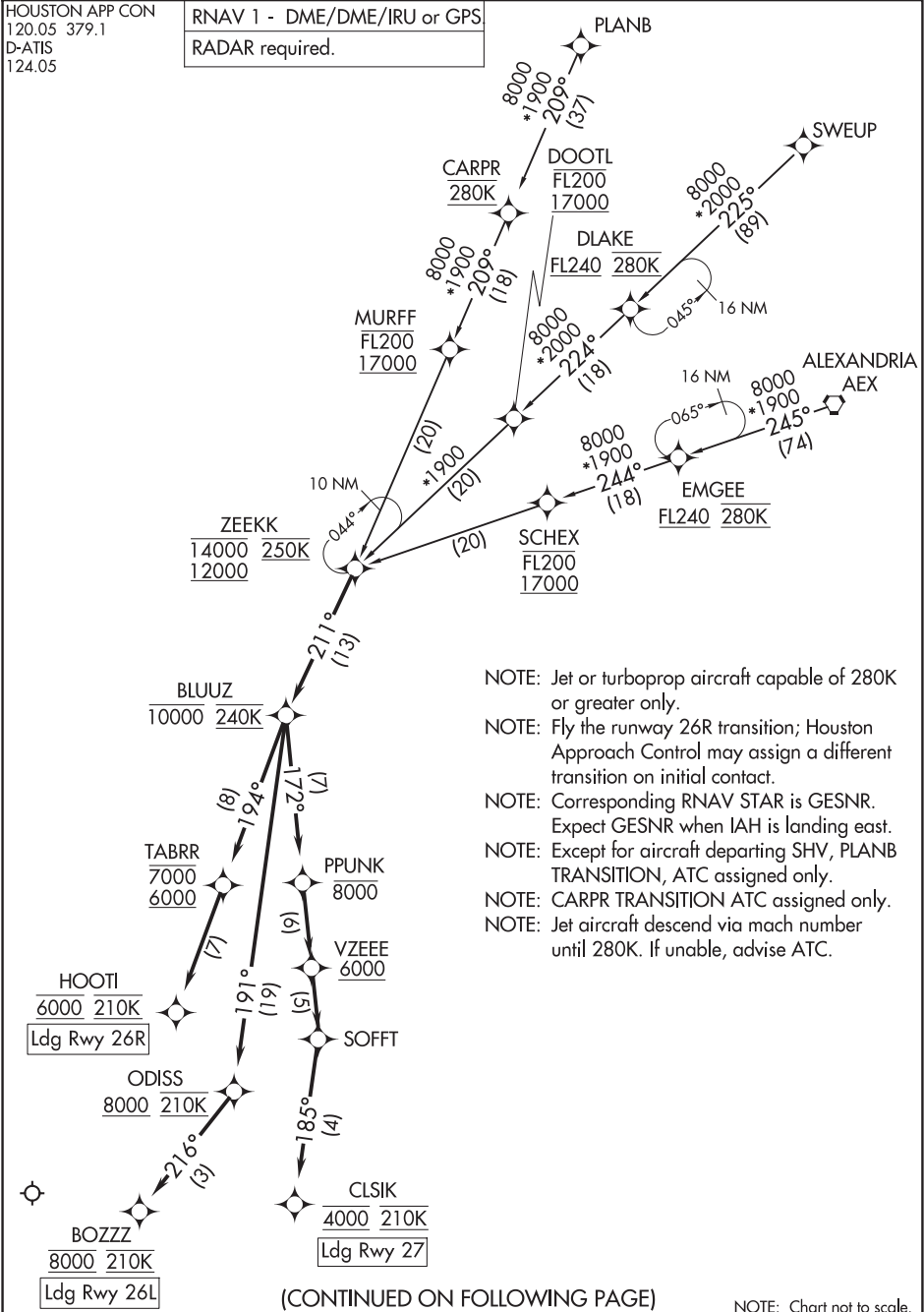
LANDING HOU RUNWAYS 31L/R: From PUSHN on track 192° to cross BUGZY at or below 10000, then on track 192° to cross PRTH at or below 7000, then on track 126° to cross UBETR at 6000 and at 210K, then on track 126°. Expect RADAR vectors to final approach course.

LANDING GLS/TME/AXH/HPY/T41/54T/T00/SGR/ARM/BYY/LBX/LVJ/IWS/EFD:  
From WAPPL on track 250° to cross WLMOR between 15000 and FL210, then on track 250° to HUDZY, then on track 250° to cross CLWSN between 12000 and 14000, then on track 250° to cross SWWAA between 10000 and 12000 and at 250K, then on track 191° to cross PUSHN at or above 8000, then on track 192° to cross BUGZY at or below 10000, then on track 175° to cross PLKTN at 8000, then on track 175°. Expect RADAR vectors to final approach course.



HOUSTON APP CON  
120.05 379.1  
D-ATIS  
124.05

RNAV 1 - DME/DME/IRU or GPS  
RADAR required.



ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.ZEEKK3)

CARPR TRANSITION (CARPR.ZEEKK3)

PLANB TRANSITION (PLANB.ZEEKK3)

SWEUP TRANSITION (SWEUP.ZEEKK3)

From ZEEKK on track 211° to cross BLUUZ at or below 10000 and at 240K.

LANDING RUNWAY 26L: From BLUUZ on track 191° to cross ODISS at or above 8000 and at 210K, then on track 216° to cross BOZZZ at 8000 and at 210K.  
Expect ILS or LOC RWY 26L approach.

LANDING RUNWAY 26R: From BLUUZ on track 194° to cross TABRR between 6000 and 7000, then on track 194° to cross HOOTI at 6000 and at 210K.  
Expect ILS or LOC RWY 26R approach.

LANDING RUNWAY 27: From BLUUZ on track 172° to cross PPUNK at or below 8000, then on track 172° to cross VZEEE at or above 6000, then on track 172° to SOFFT, then on track 185° to cross CLSIK at 4000 and at 210K.  
Expect ILS or LOC RWY 27 approach.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	3005
124°	TDZE	21
	Apt Elev	21

RNAV (GPS) RWY 12

CHAMBERS COUNTY (T00)

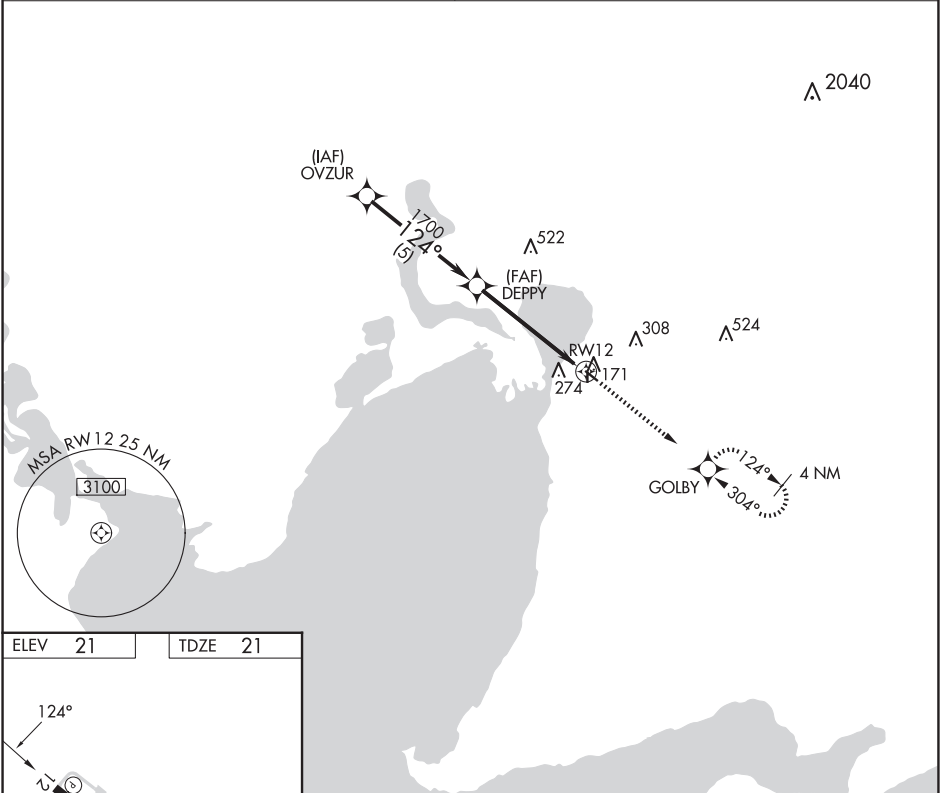
⚠

NA

RADAR required. Use William P Hobby altimeter setting. GPS or RNP-0.3 required. DME/DME RNP-0.3 NA. Procedure NA at night. Rwy 12 helicopter visibility reduction below 1 SM NA. Circling NA to Rwy 17 and 35.

MISSED APPROACH: Climb to 3000 direct GOLBY WP and hold.

HOUSTON APP CON 134.45 284.0	CTAF 122.9 0
---------------------------------	-----------------



ELEV 21

TDZE 21

MIRL Rwy 12-30 0

LIRL Rwy 12-30

OVZUR

DEPPY

RW12

2000

1700

3000

GOLBY

Procedure Turn NA

124°

304°

3.09°

TCH 40

5 NM

5 NM

CATEGORY	A	B	C	D
LNAV MDA	560-1	539 (600-1)	560-1½ 539 (600-1½)	NA
CIRCLING	660-1	639 (700-1)	700-2 679 (700-2)	NA

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(BLTWY7.BLTWY) 21280

## BLTWY SEVEN DEPARTURE (RNAV)

CTAF  
122.9  
HOUSTON DEP CON  
134.45 284.0

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

### TAKEOFF MINIMUMS

Rwys 17, 35: NA - Environmental  
Rwys 12, 30: Standard with minimum climb  
of 500' per NM to 540.

TAKEOFF RUNWAY 12: Climb on heading 124°  
to 540 for RADAR vectors to DREMR, thence . . .  
TAKEOFF RUNWAY 30: Climb on heading 304°  
to 540 for RADAR vectors to DREMR, thence . . .

...on track 345° to LITLD, then on track 346° to  
BLTWY, then on (transition). Maintain ATC assigned  
altitude. Expect filed altitude 10 minutes after  
departure.

CRIED TRANSITION (BLTWY7.CRIED)

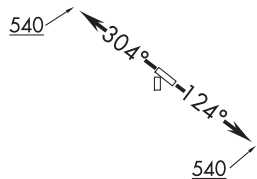
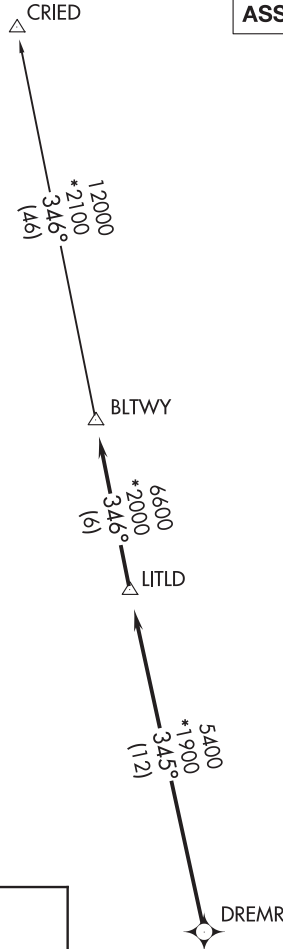
## BLTWY SEVEN DEPARTURE (RNAV)

(BLTWY7.BLTWY) 07OCT21

2  
AL-6395 (FAA)

CHAMBERS COUNTY (T00)  
ANAHUAC, TEXAS

**TOP ALTITUDE:  
ASSIGNED BY ATC**



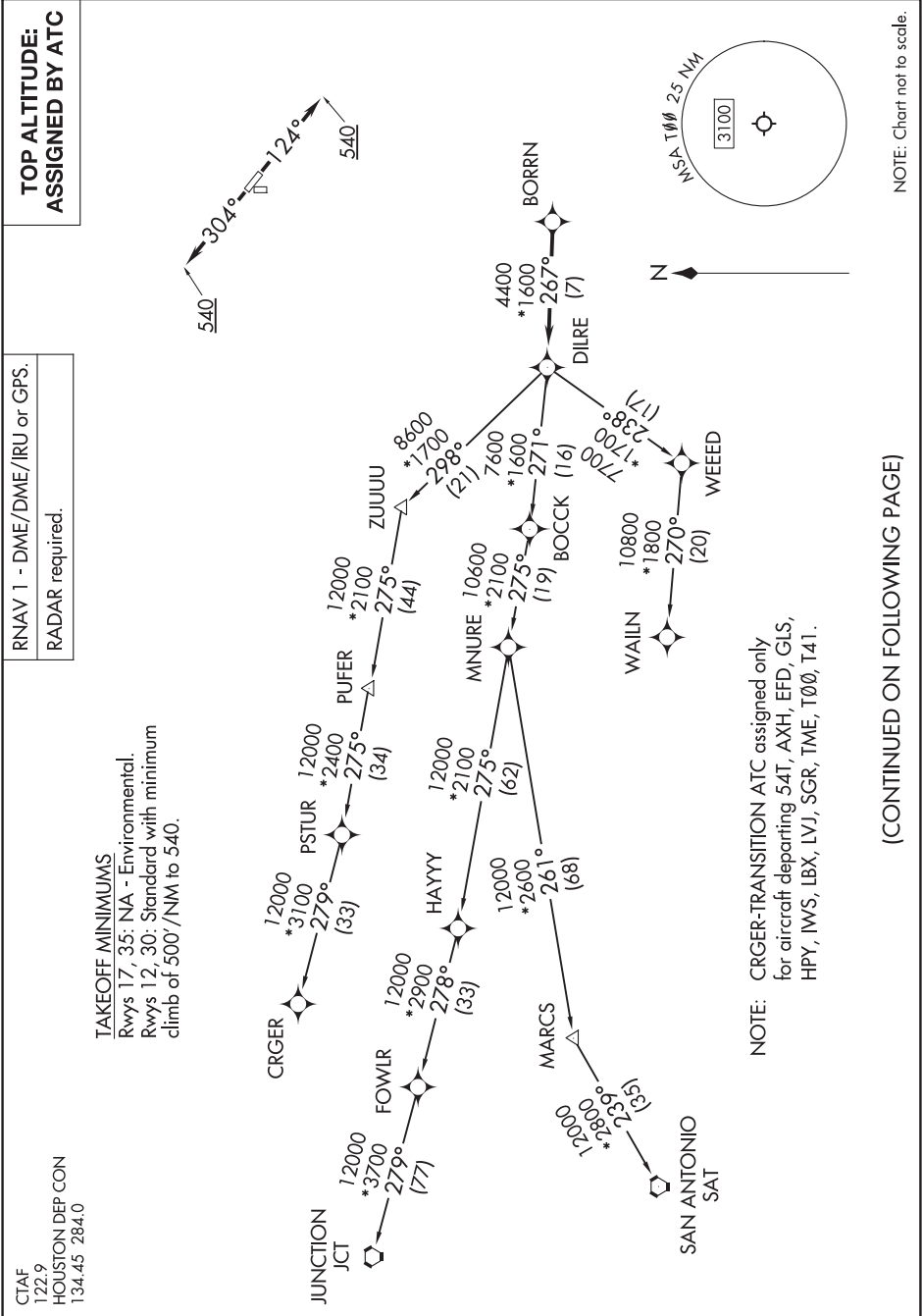
NOTE: Chart not to scale.

ANAHUAC, TEXAS  
CHAMBERS COUNTY (T00)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



BORRN SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 304° to 540, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

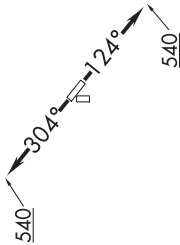
SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.9  
HOUSTON DEP CON  
134.45 284.0



SCHOLES  
VUH

\*9300  
\*1400  
\*118°  
(32)

11000  
\*1400  
087°  
(36)  
HOODO

TAKEOFF MINIMUMS

Rwys 17, 35: NA - Environmental.  
Rwys 12, 30: Standard with minimum  
climb of 500' per NM to 540.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

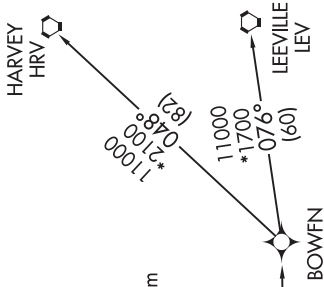
TAKEOFF RUNWAY 12: Climb on heading 124° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 30: Climb on heading 304° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .

. . . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- BOWFN TRANSITION (HOODO7.BOWFN)
- CFOOD TRANSITION (HOODO7.CFOOD)
- HARVEY TRANSITION (HOODO7.HRV)
- LEEVILLE TRANSITION (HOODO7.LEV)
- SBIRD TRANSITION (HOODO7.SBIRD)

TOP ALTITUDE:  
ASSIGNED BY ATC

- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: ATC assigned only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: For non-GPS equipped aircraft, LCH, ILA, TBD, and LEV DME's must be operational.



(HOODO7.HOODO) 21280

AL-6395 (FAA)

CHAMBERS COUNTY (T00)  
ANAHUAC, TEXAS

HOODO SEVEN DEPARTURE (RNAV)  
(HOODO7.HOODO) 07OCT21

ANAHUAC, TEXAS  
CHAMBERS COUNTY (T00)

(INDIE8.INDIE) 21280

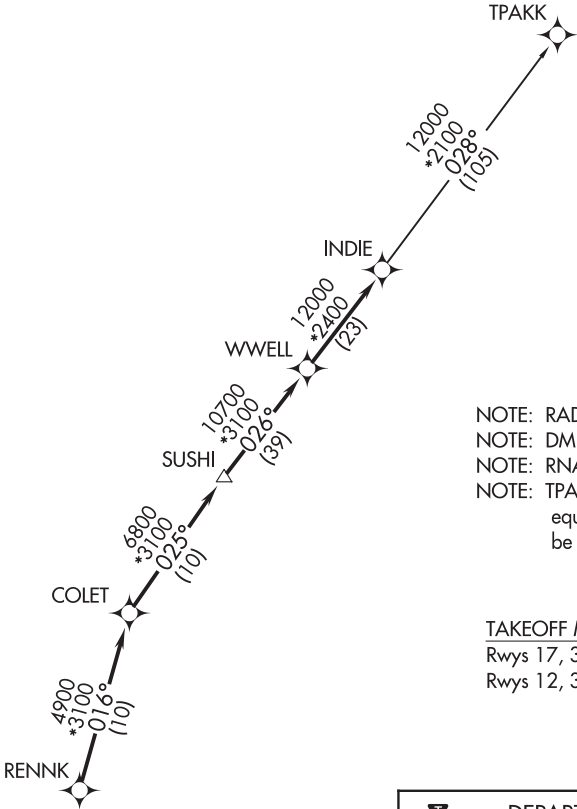
INDIE EIGHT DEPARTURE (RNAV)

6  
AL-6395 (FAA)

CHAMBERS COUNTY (T00)  
ANAHUAC, TEXAS

CTAF  
122.9  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS equipped aircraft TNV DME must be operational.

TAKEOFF MINIMUMS  
Rwys 17, 35: NA-Environmental  
Rwys 12, 30: Standard with minimum climb of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540 for RADAR vectors to RENNK, then . . .  
TAKEOFF RUNWAY 30: Climb on heading 304° to 540 for RADAR vectors to RENNK, then . . .  
. . . on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

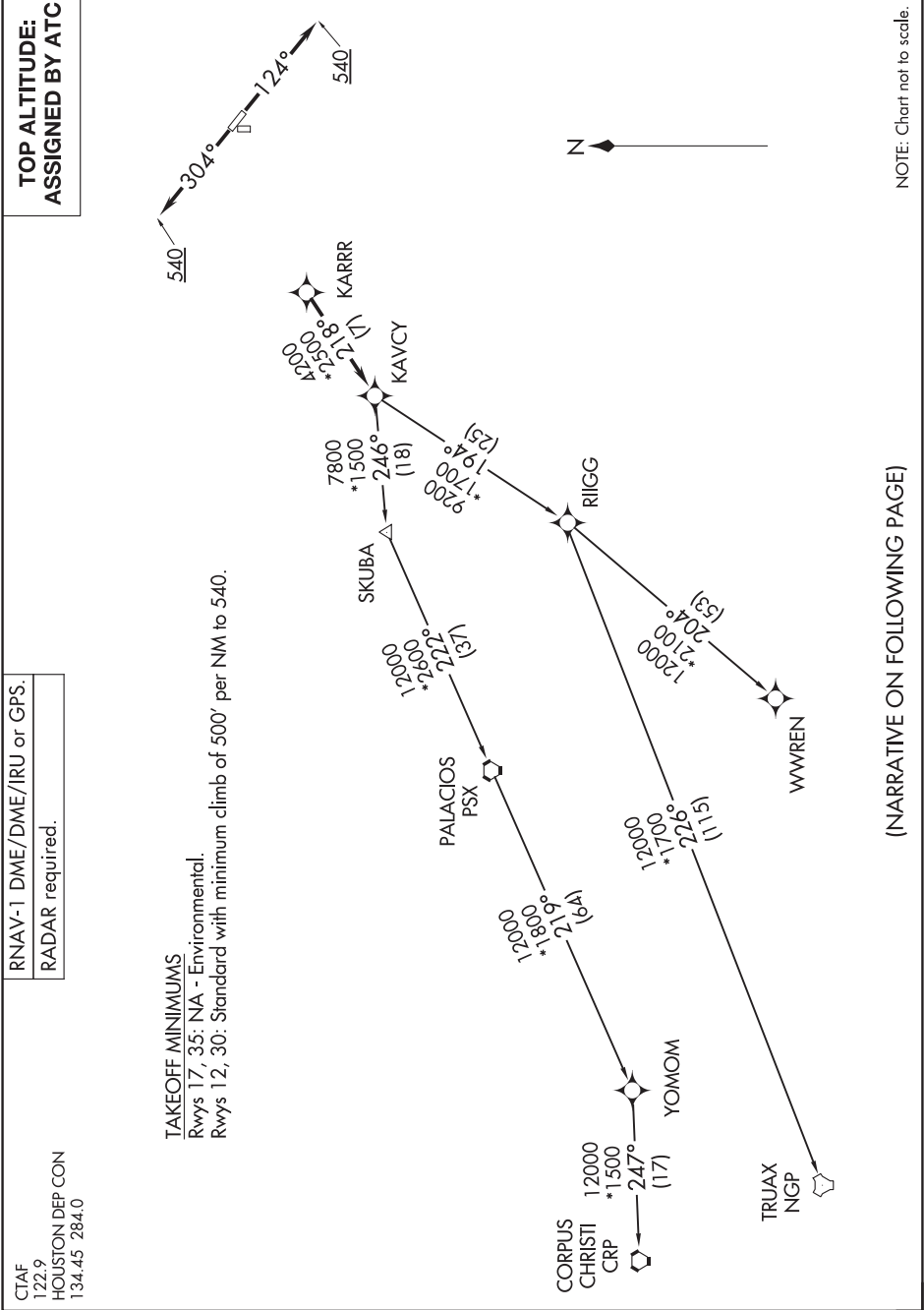
INDIE EIGHT DEPARTURE (RNAV)  
(INDIE8.INDIE) 07OCT21

ANAHUAC, TEXAS  
CHAMBERS COUNTY (T00)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025







DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540, for RADAR vectors to KARRR, thence. . . .  
TAKEOFF RUNWAY 30: Climb on heading 304° to 540, for RADAR vectors to KARRR, thence. . . .  
...on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (KARRR7.CRP)
- PALACIOS TRANSITION (KARRR7.PSX)
- TRUAX TRANSITION (KARRR7.NGP)
- WWREN TRANSITION (KARRR7.WWREN)
- YOMOM TRANSITION (KARRR7.YOMOM)

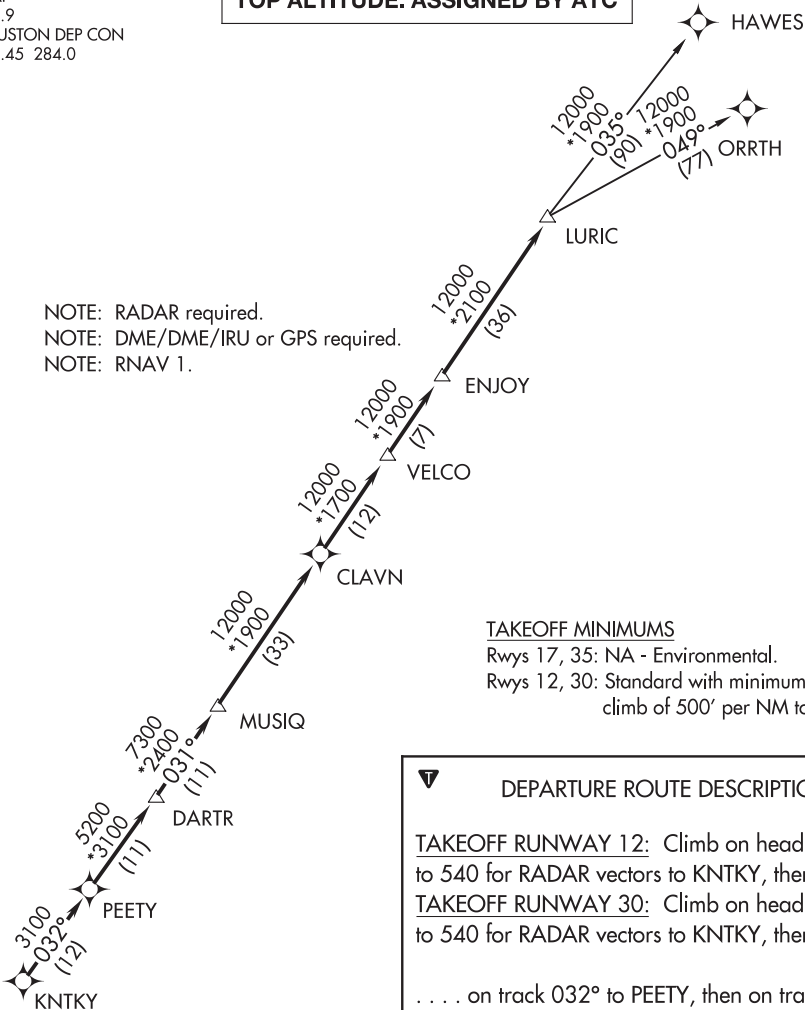
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.9  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS  
Rwys 17, 35: NA - Environmental.  
Rwys 12, 30: Standard with minimum  
climb of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540 for RADAR vectors to KNTKY, thence . . .  
TAKEOFF RUNWAY 30: Climb on heading 304° to 540 for RADAR vectors to KNTKY, thence . . .  
... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

HOUSTON DEP CON  
134.45 284.0  
CTAF  
122.9

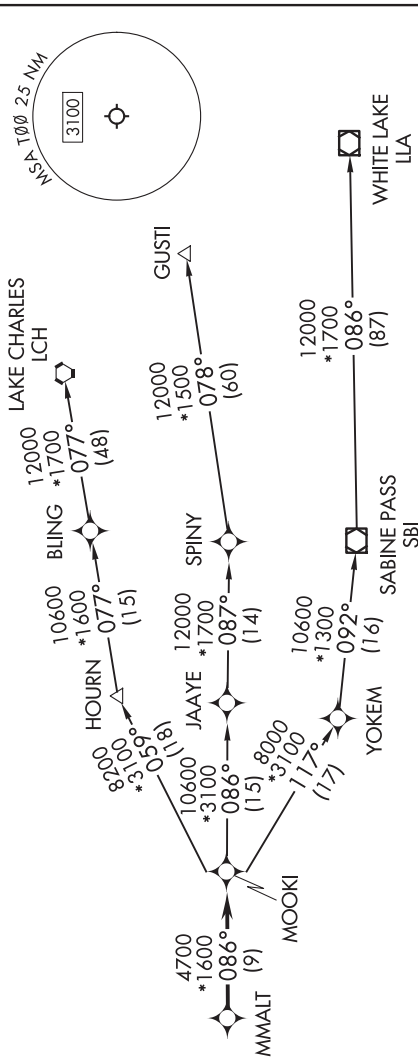
RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

(MMALT7.MMALT) 23334

AL-6395 (FAA)

CHAMBERS COUNTY (T000)  
ANAHUAC, TEXAS

MMALT SEVEN DEPARTURE (RNAV)



NOTE: GUSTI and LCH Transitions ATC assigned only for aircraft departing AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T000, T41 and 54T.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540, for RADAR vectors to MMALT, thence . . .  
TAKEOFF RUNWAY 30: Climb on heading 304° to 540, for RADAR vectors to MMALT, thence . . .  
. . . on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMALT7.GUSTI)  
LAKE CHARLES TRANSITION (MMALT7.LCH)  
WHITE LAKE TRANSITION (MMALT7.LLA)

TAKEOFF MINIMUMS  
Rwys 17, 35: NA-Environmental.  
Rwys 12, 30: Standard with minimum  
climb of 500' /NM to 540.

NOTE: Chart not to scale.

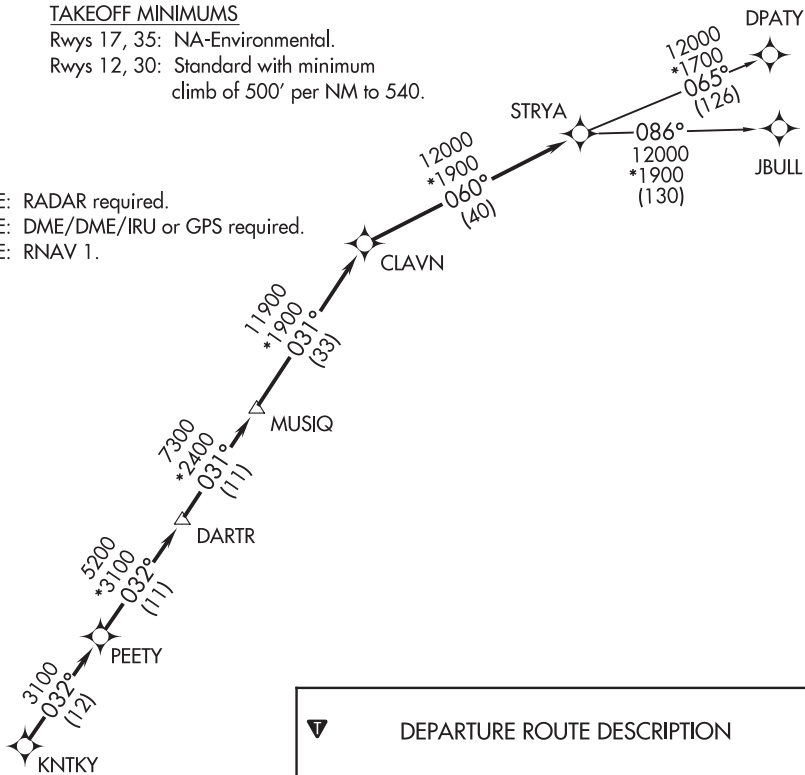
MMALT SEVEN DEPARTURE (RNAV)  
(MMALT7.MMALT) 30NOV23

ANAHUAC, TEXAS  
CHAMBERS COUNTY (T000)

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 17, 35: NA-Environmental.  
Rwys 12, 30: Standard with minimum  
climb of 500' per NM to 540.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540 for RADAR vectors to KNTKY, thence. . .

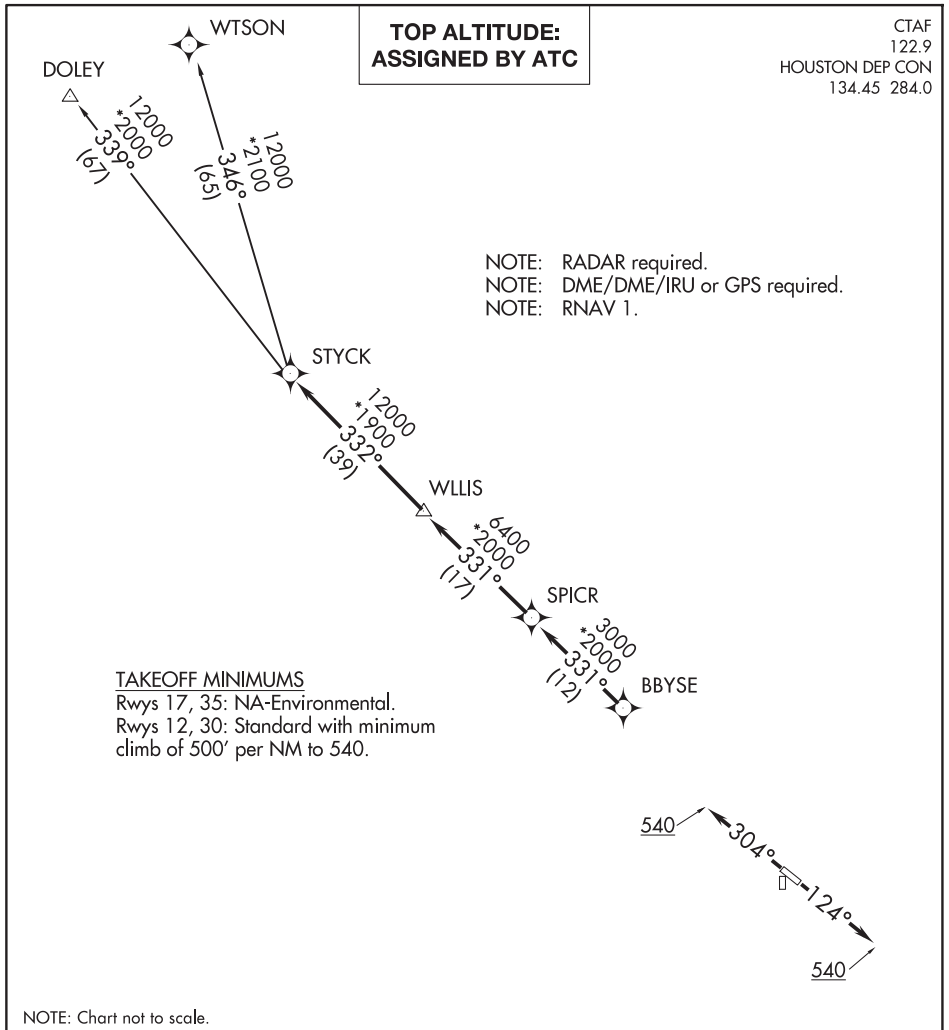
TAKEOFF RUNWAY 30: Climb on heading 304° to 540 for RADAR vectors to KNTKY, thence. . . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

## STYCK EIGHT DEPARTURE (RNAV)



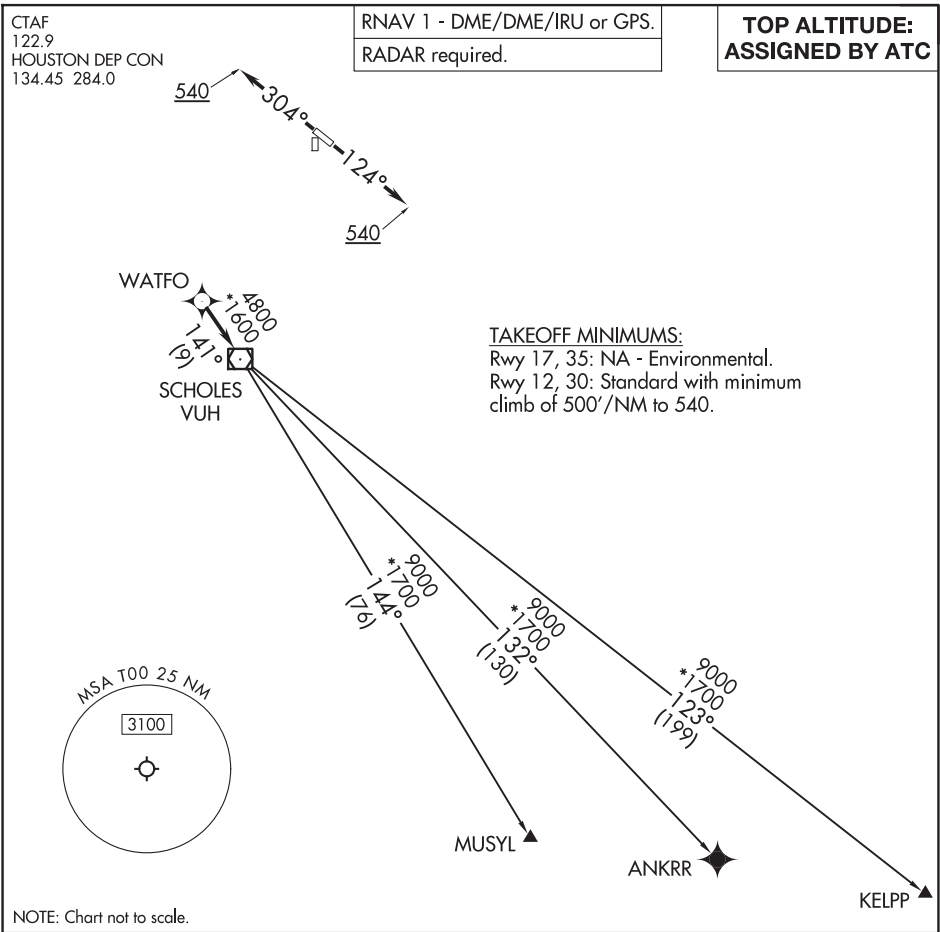
## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540 for RADAR vectors to BBYSE, thence...

TAKEOFF RUNWAY 30: Climb on heading 304° to 540 for RADAR vectors to BBYSE, thence...

...on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)



▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading 124° to 540, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 304° to 540, for RADAR vectors to WATFO, thence. . . .

. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)

KELPP TRANSITION (WATFO6.KELPP)

MUSYL TRANSITION (WATFO6.MUSYL)

WYLSN EIGHT DEPARTURE (RNAV)

CTAF  
122.9  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 17, 35: NA - Environmental.  
Rwy 12, 30: Standard with minimum  
climb of 500' per NM to 540.

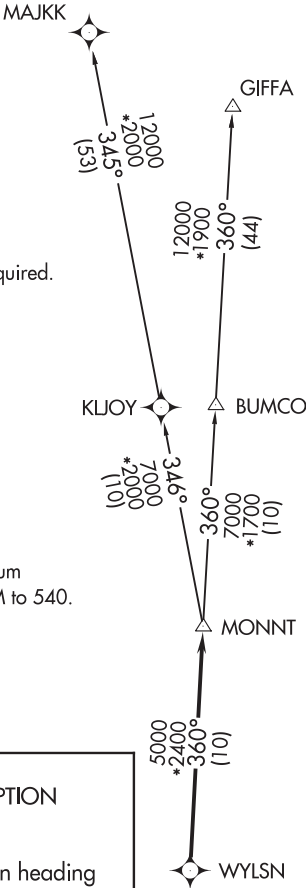
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb on heading  
124° to 540 for RADAR vectors to WYLSN,  
thence. . . .

TAKEOFF RUNWAY 30: Climb on heading  
304° to 540 for RADAR vectors to WYLSN,  
thence. . . .

. . . .on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



LOC/DME I-LBX

109.1

Chan 28

APP CRS

175°

Rwy Ldg TDZE

7000 25

Apt Elev

25

ILS or LOC RWY 17

TEXAS GULF COAST RGNL (LBX)

DME required.

NA

For inop ALS, increase S-LOC 17 Cat C/D visibility to ½ SM. Circling NA east of Rwy 17-35.

MALSR

45

MISSED APPROACH: Climb to 600 then climbing left turn to 3000 on heading 090° and VUH VOR/DME R-243 to DELVE/VUH 22.1 DME and hold, continue climb-in-hold to 3000.

ASOS

119.925

HOUSTON APP CON

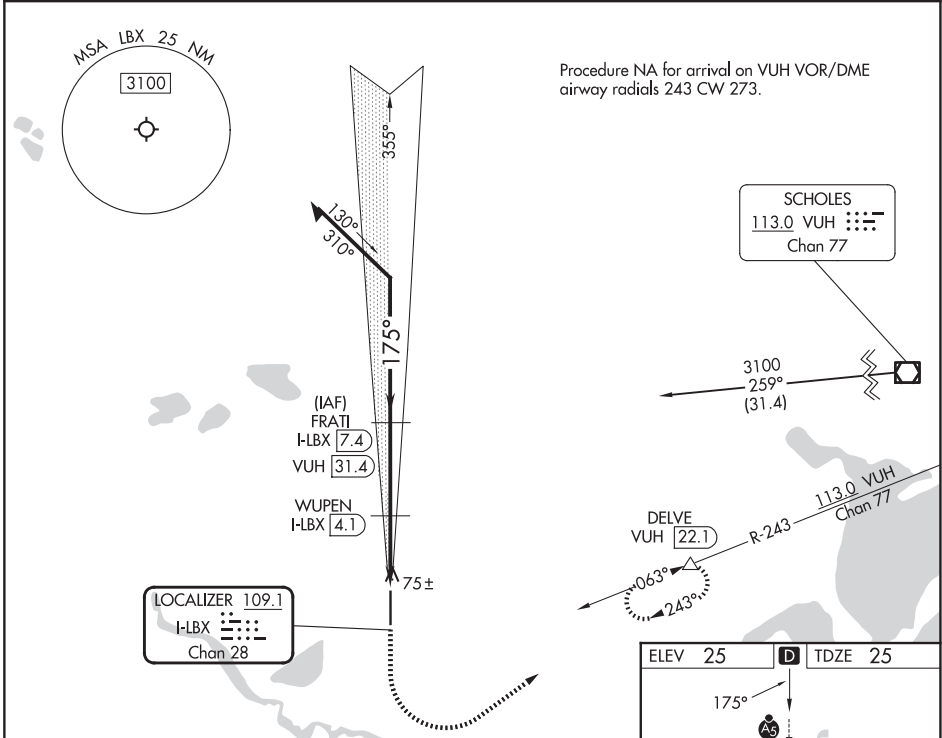
134.45 284.0

CLNC DEL

125.2

UNICOM

123.0 (CTAF) 0



Remain within 10 NM

2500

355°

175°

GS 3.00° TCH 52

2000

920

3.3 NM

1.9 NM

0.8

600

3000

hdg 090°

VUH R-243

DELVE

△

FRATI I-LBX 7.4

WUPEN I-LBX 4.1

I-LBX 2.2

I-LBX 1.4

CATEGORY	A	B	C	D
S-ILS 17		225-½	200 (200-½)	
S-LOC 17		340-½	315 (400-½)	
CIRCLING	500-1	475 (500-1)	500-1½ 475 (500-1½)	620-2 595 (600-2)

ELEV 25

TDZE 25

175°

45

41

100

7000 X 100

35

P

MIRL Rwy 17-35 0

ANGLETON/LAKE JACKSON, TEXAS

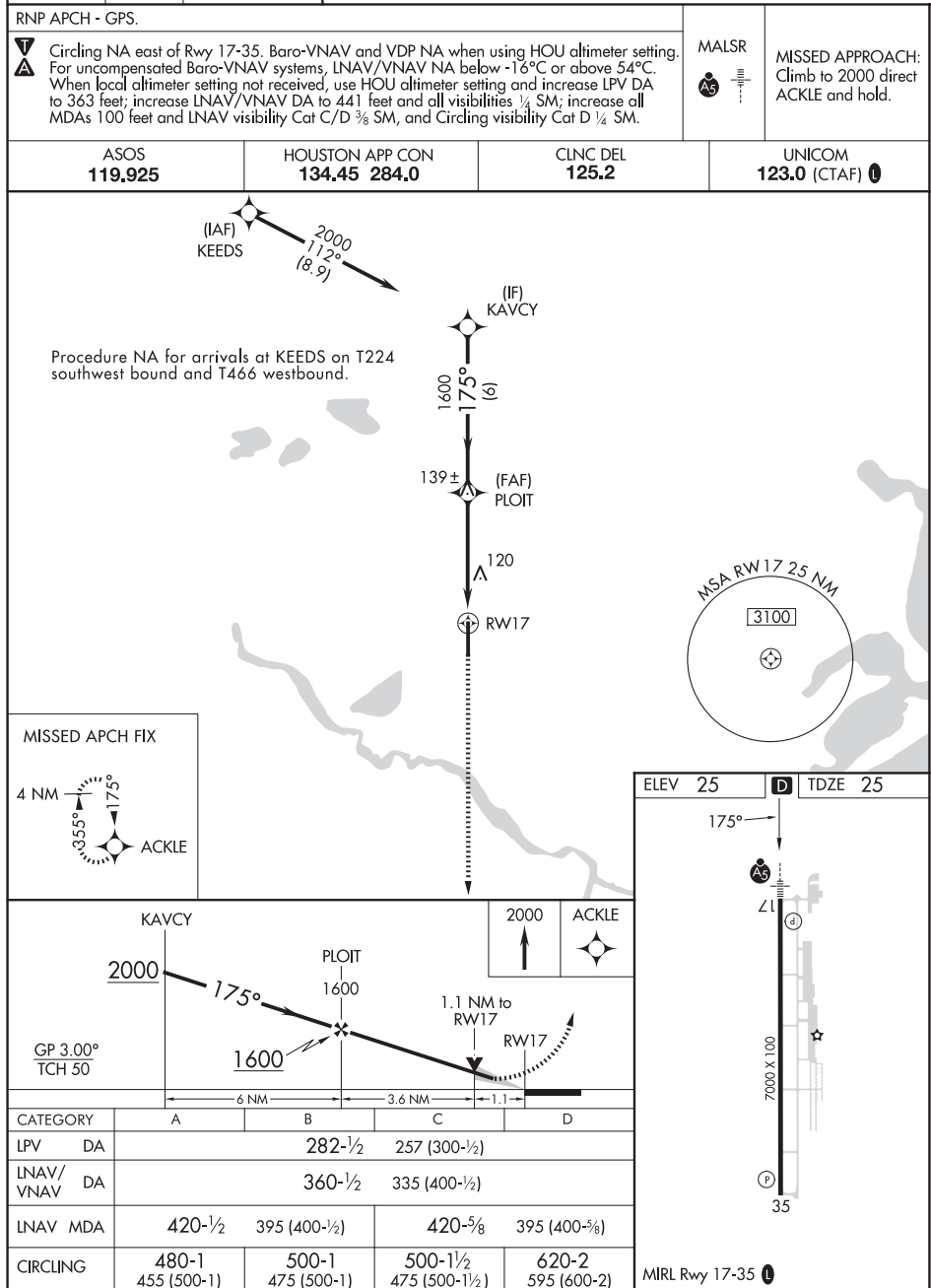
AL-6453 (FAA)

25219

WAAS CH <b>70316</b> <b>W17A</b>	APP CRS <b>175°</b>	Rwy Ldg TDZE <b>25</b> Apt Elev <b>25</b>	<b>7000</b>
--	------------------------	---	-------------

# RNAV (GPS) RWY 17

TEXAS GULF COAST RGNL (L.B.X)



ANGLETON/LAKE JACKSON, TEXAS

Amtd 2D 07AUG25

29°07'N-95°28'W

TEXAS GULF COAST RGNL (L.B.X)

# RNAV (GPS) RWY 17

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>77516</b> <b>W35A</b>	APP CRS <b>355°</b>	Rwy Ldg TDZE <b>25</b> Apt Elev <b>25</b>
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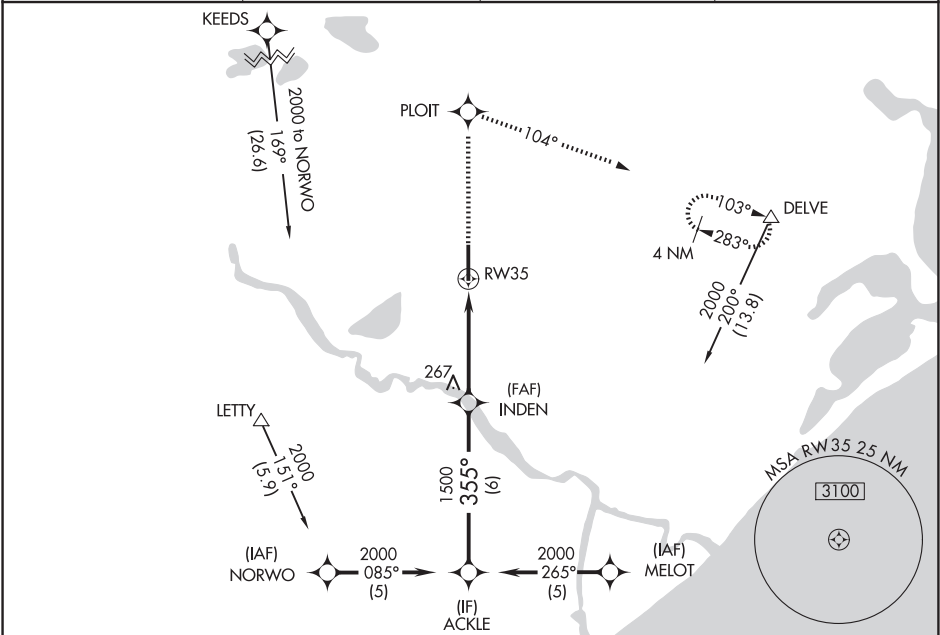
RNAV (GPS) RWY 35

TEXAS GULF COAST RGNL (LBX)

DME/DME RNP-0.3 NA. Baro-VNAV NA below -16°C (4°F). When local altimeter setting not received, use William P. Hobby altimeter setting and increase all DAs/MDAs 100 feet and Circling Cat D visibility ¼ SM. Baro-VNAV and VDP NA when using William P. Hobby altimeter setting. Circling NA east of Rwy 17-35.

MISSED APPROACH: Climb to 2000 direct PLOIT and right turn via 104° track to DELVE and hold.

ASOS <b>119.925</b>	HOUSTON APP CON <b>134.45 284.0</b>	CLNC DEL <b>125.2</b>	UNICOM <b>123.0 (CTAF) 0</b>
------------------------	--	--------------------------	---------------------------------

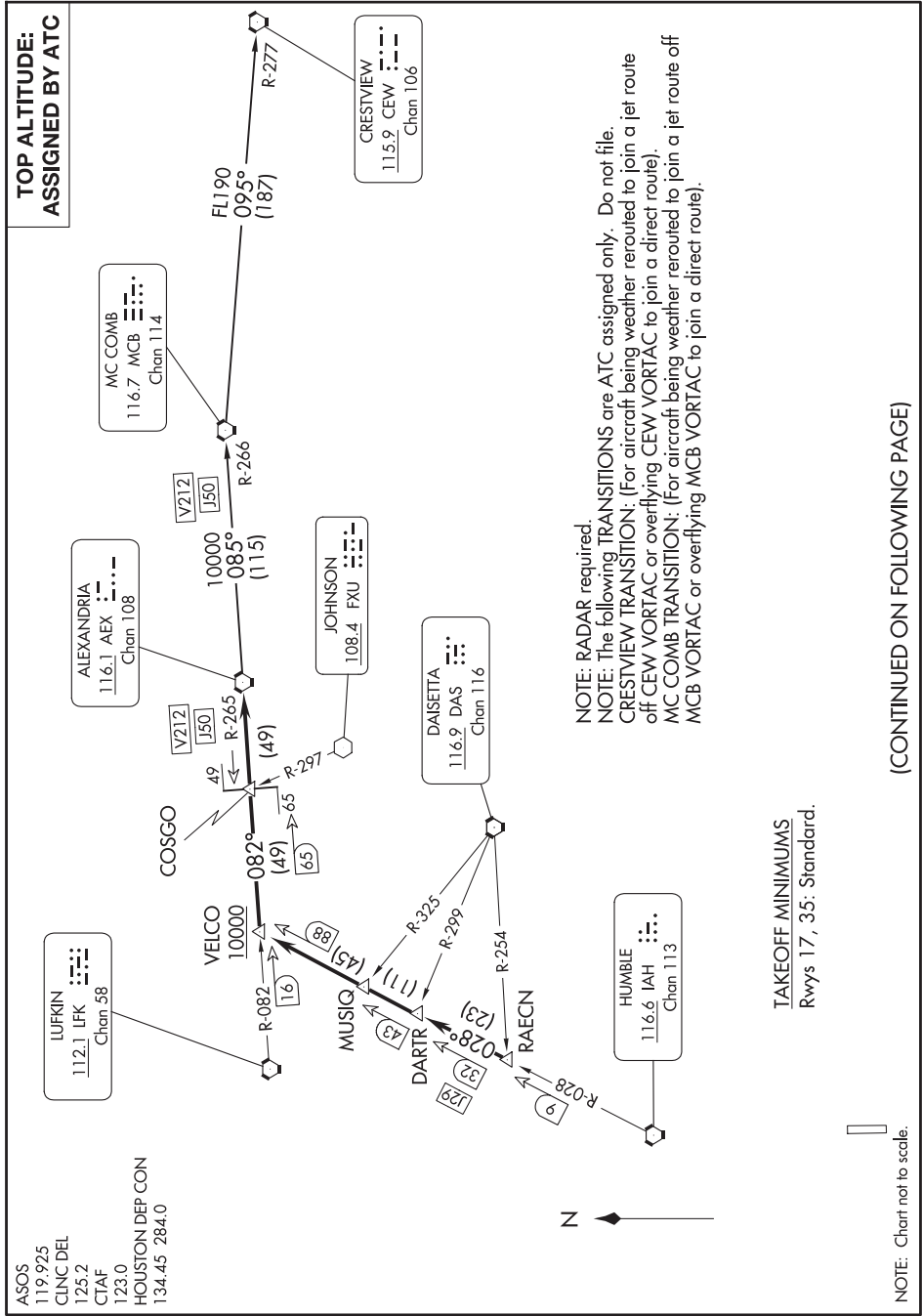


ELEV 25		D		TDZE 25	
VGSi and RNAV glidepath not coincident (VGSi Angle 3.00/TCH 40).		2000 ↑		PLOT ✱	
ACKLE		INDEN		DELVE △	
2000		355°		*RNAV only.	
Procedure Turn NA		1500		*1 NM to RW35	
GP 3.00°		6 NM		RW35	
TCH 50		3.4 NM		1 NM	
CATEGORY		A		B	
LPV DA		275-¾		250 (300-¾)	
LNAV/ VNAV DA		428-1½		403 (500-1½)	
LNAV MDA		420-1		395 (400-1)	
CIRCLING		480-1½		620-2	
455 (500-1½)		500-1½		595 (600-2)	
				MIRL Rwy 17-35	

ELEV 25		D		TDZE 25	
VGSi and RNAV glidepath not coincident (VGSi Angle 3.00/TCH 40).		2000 ↑		PLOT ✱	
ACKLE		INDEN		DELVE △	
2000		355°		*RNAV only.	
Procedure Turn NA		1500		*1 NM to RW35	
GP 3.00°		6 NM		RW35	
TCH 50		3.4 NM		1 NM	
CATEGORY		A		B	
LPV DA		275-¾		250 (300-¾)	
LNAV/ VNAV DA		428-1½		403 (500-1½)	
LNAV MDA		420-1		395 (400-1)	
CIRCLING		480-1½		620-2	
455 (500-1½)		500-1½		595 (600-2)	
				MIRL Rwy 17-35	

# ALEXANDRIA THREE DEPARTURE

SC-5, 07 AUG 2025 to 02 OCT 2025



# ALEXANDRIA THREE DEPARTURE

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

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(BLTWY7.BLTWY) 21280

BLTWY SEVEN DEPARTURE (RNAV) AL-6453 (FAA)

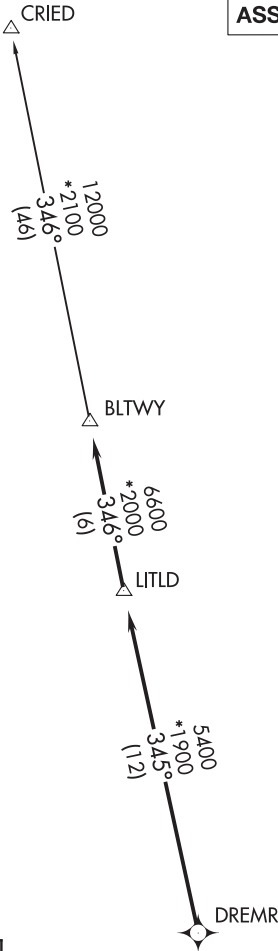
TEXAS GULF COAST RGNL (LBX)  
ANGLETON/LAKE JACKSON, TEXAS

ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum climb  
of 500' per NM to 540.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540 for RADAR vectors to DREMR, thence . . . .  
TAKEOFF RUNWAY 35: Climb on heading 355° to 540 for RADAR vectors to DREMR, thence . . . .  
. . . . on track 345° to LITLD, then on track 346° to BLTWY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)

NOTE: Chart not to scale.

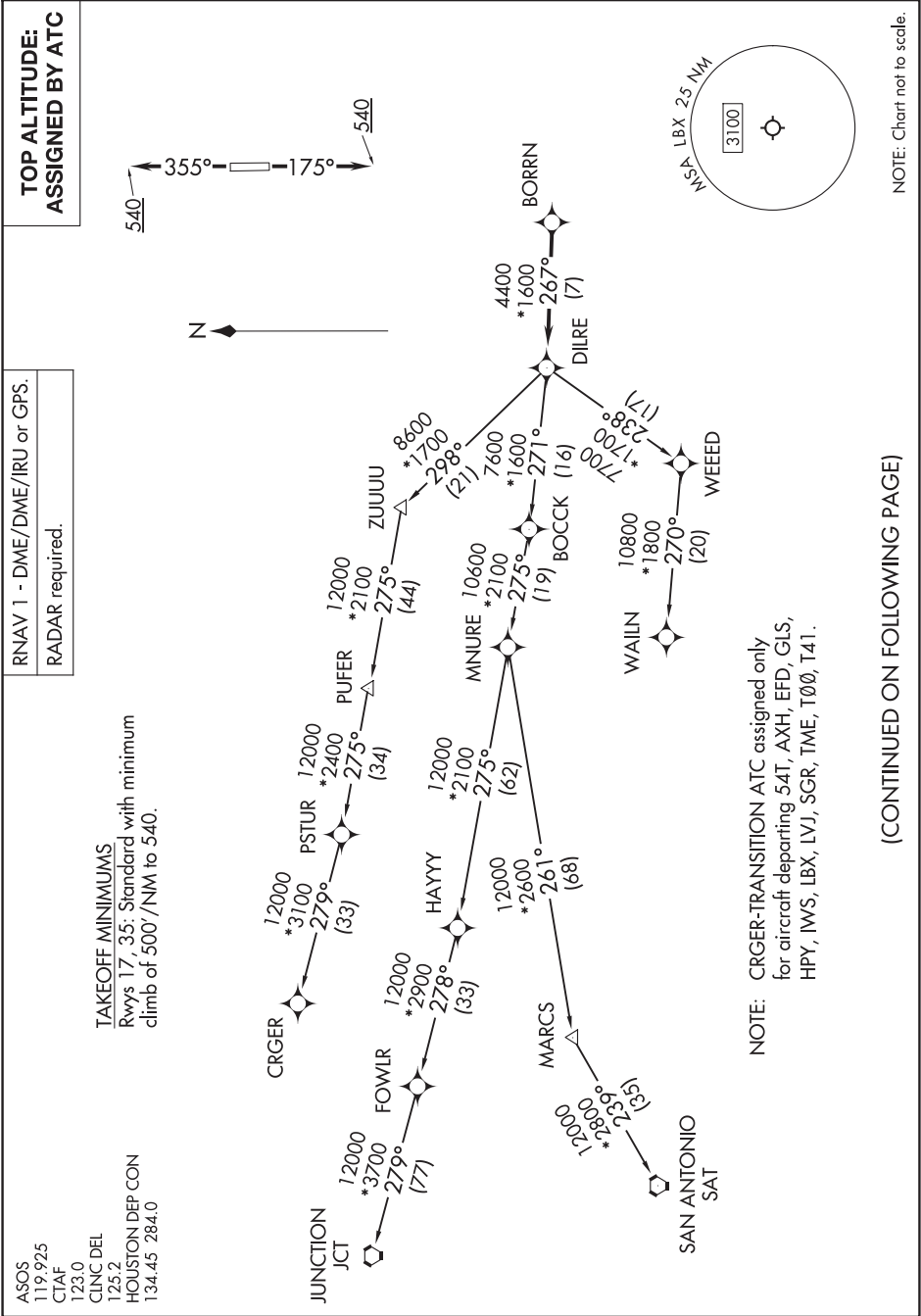
BLTWY SEVEN DEPARTURE (RNAV)  
(BLTWY7.BLTWY) 07OCT21

ANGLETON/LAKE JACKSON, TEXAS  
TEXAS GULF COAST RGNL (LBX)

SC-5, 07 AUG 2025 to 02 OCT 2025

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SC-5, 07 AUG 2025 to 02 OCT 2025



(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

BORRN SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 355° to 540, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

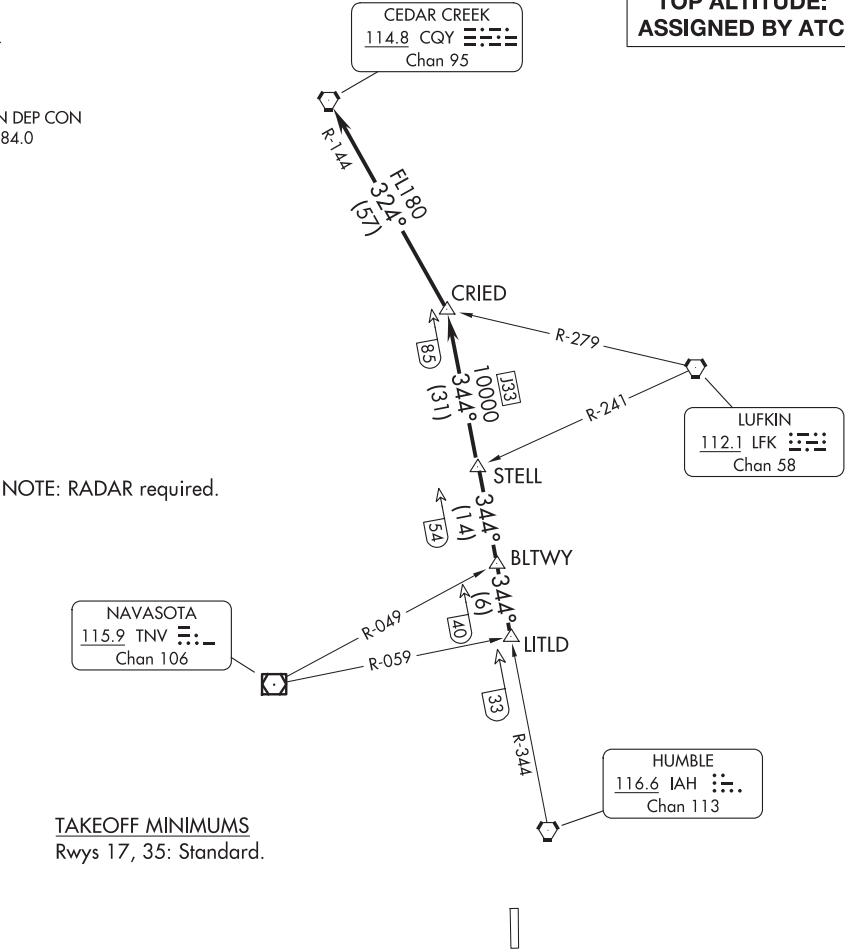
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC



TAKEOFF MINIMUMS  
Rwys 17, 35: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

(ELD1.ELD) 24193

AL-6453 (FAA)

TEXAS GULF COAST RGNL (LBX)  
ANGLETON/LAKE JACKSON, TEXAS

EL DORADO ONE DEPARTURE

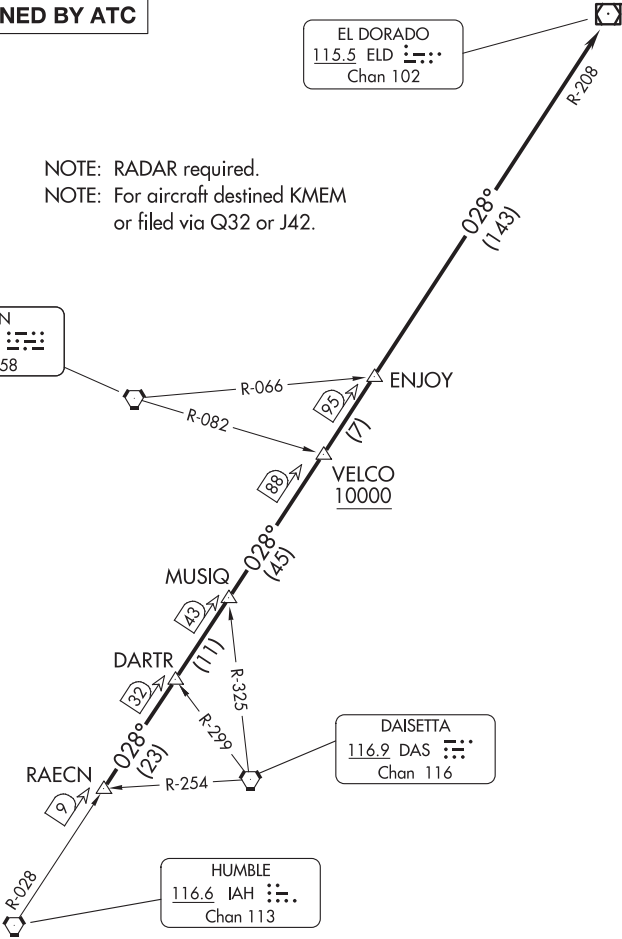
ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

EL DORADO  
115.5 ELD  
Chan 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK  
Chan 58



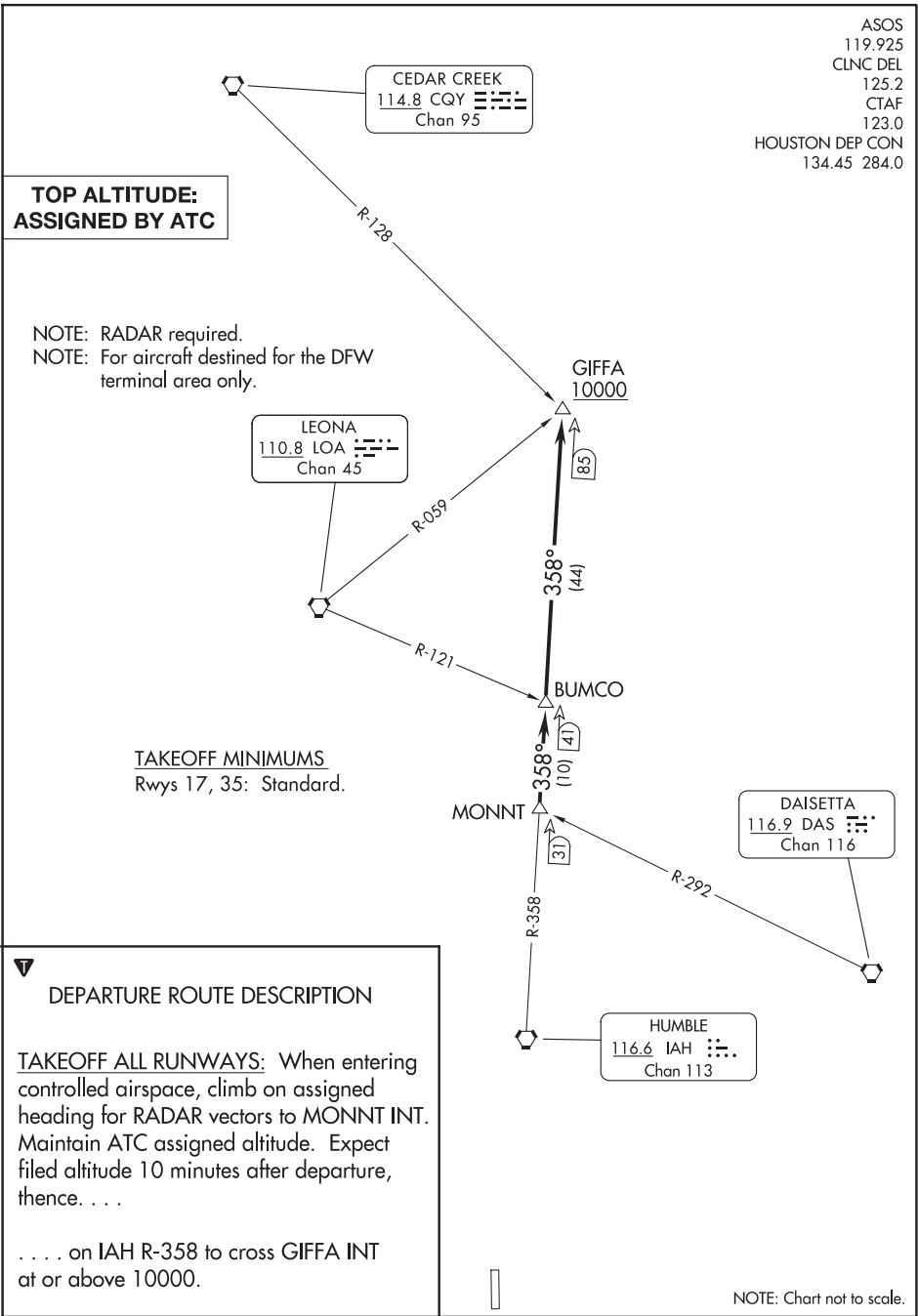
TAKEOFF MINIMUMS  
Rwys 17, 35: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .  
... on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.



TOP ALTITUDE:  
ASSIGNED BY ATC

ARVEY  
HRV

11000  
\*2100  
0480  
(2)

11000  
\*1700

(60)

NOTE: Chart not to scale.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540, for RADAR vectors to VUH VOR/DME, thence . . .

**TAKEOFF RUNWAY 35:** Climb on heading 355° to 540, for RADAR vectors to VUH VOR/DME, thence...

... on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOODO7.BOWFN)  
CFOOD TRANSITION (HOODO7.CFOOD)  
HARVEY TRANSITION (HOODO7.HRV)  
LEEVILLE TRANSITION (HOODO7.LEV)  
SBIRD TRANSITION (HOODO7.SBIRD)

ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON  
134.45 28

$z$  

HOODO SEVEN DEPARTURE (RNAV)

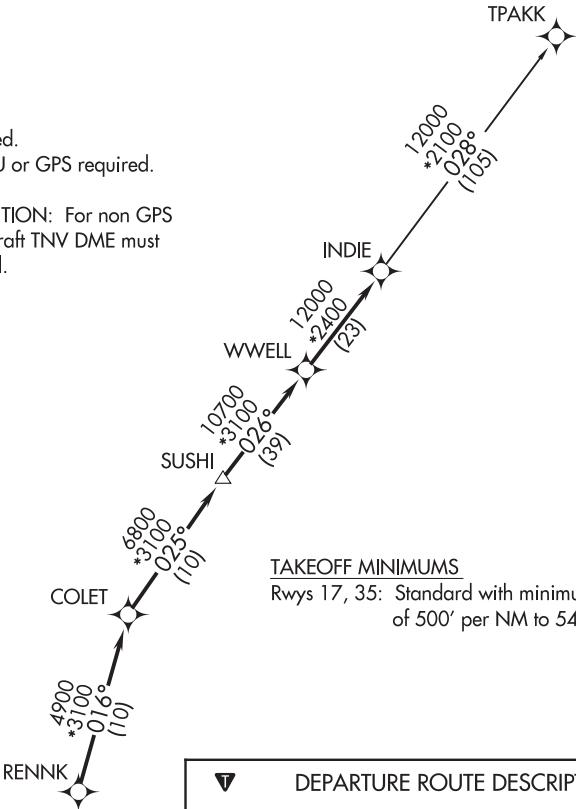
(HOODO7.HOODO) 07OCT21

ANGLETON/LAKE JACKSON, TEXAS  
TEXAS GULF COAST RGNL (LBX)

ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum climb  
of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175°  
to 540 for RADAR vectors to RENNK, thence . . .  
TAKEOFF RUNWAY 35: Climb on heading 355°  
to 540 for RADAR vectors to RENNK, thence . . .  
. . . on track 016° to COLET, then on track 025°  
to SUSHI, then on track 026° to WWELL, then on  
track 026° to INDIE, then on (transition).  
Maintain ATC assigned altitude. Expect filed  
altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

(KARRR7.KARRR) 22363

AL-6453 (FAA)

TEXAS GULF COAST RGNL (LBX)  
ANGLETON/LAKE JACKSON, TEXAS

KARRR SEVEN DEPARTURE (RNAV)

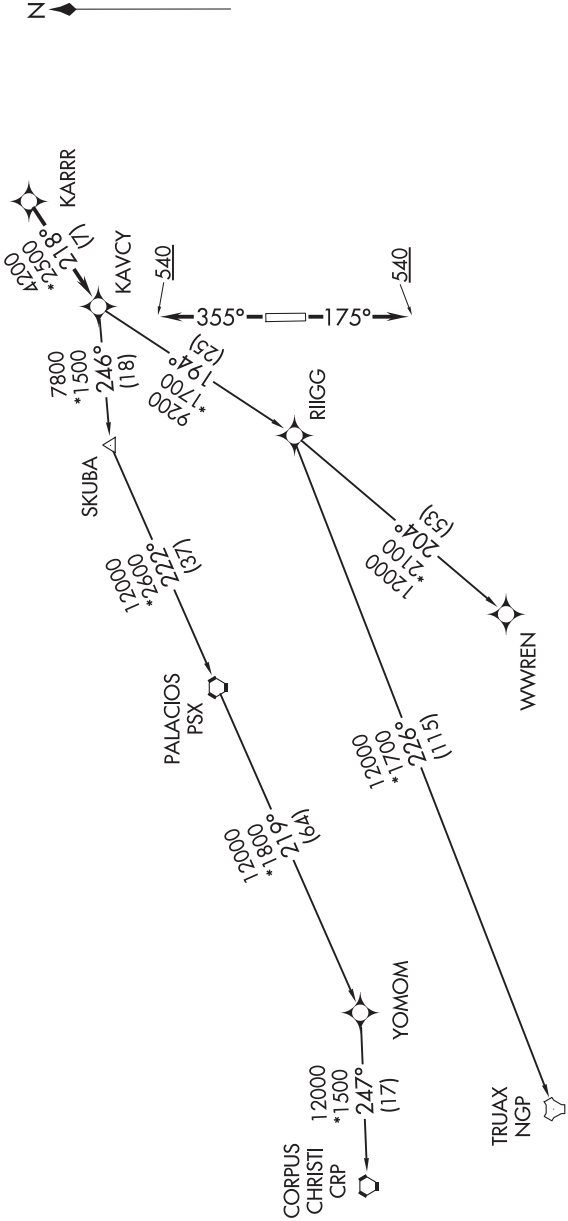
SC-5, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:  
ASSIGNED BY ATC

RNAV-1 DME/DME/IRU or GPS.
RADAR required.

ASOS  
119.925  
CTAF  
123.0  
CINC DEL  
125.2  
HOUSTON DEP CON  
134.45 284.0

TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum climb of 500' per NM to 540.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025

KARRR SEVEN DEPARTURE (RNAV)

(KARRR7.KARRR) 29DEC22

ANGLETON/LAKE JACKSON, TEXAS  
TEXAS GULF COAST RGNL (LBX)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 355° to 540, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

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SC-5, 07 AUG 2025 to 02 OCT 2025

(LOA4.LOA) 24137

## LEONA FOUR DEPARTURE

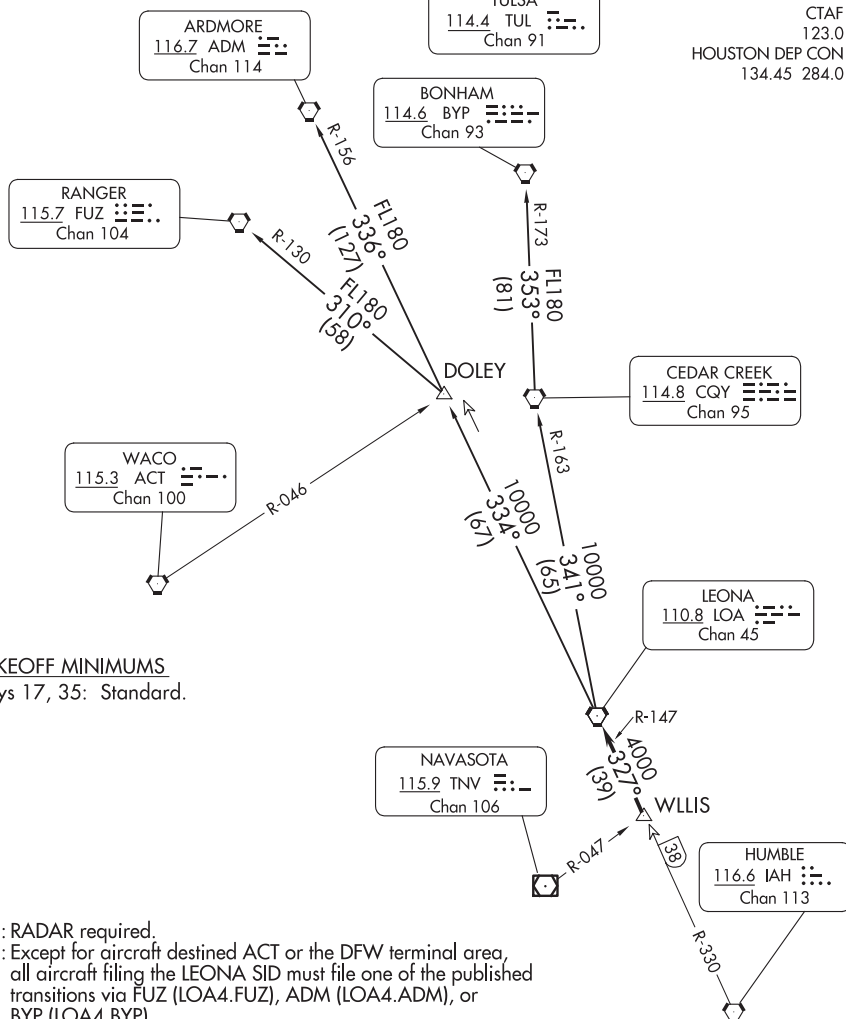
AL-6453 (FAA)

TEXAS GULF COAST RGNL (LBX)

ANGLETON/LAKE JACKSON, TEXAS

TOP ALTITUDE: ASSIGNED BY ATC

ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0



NOTE: RADAR required.

NOTE: Except for aircraft destined ACT or the DFW terminal area, all aircraft filing the LEONA SID must file one of the published transitions via FUZ (LOA4.FUZ), ADM (LOA4.ADM), or BYP (LOA4.BYP).

NOTE: RANGER TRANSITION: For aircraft overflying west/northwest of the DFW terminal area FL240 and above.

NOTE: ARDMORE TRANSITION: For aircraft overflying north/northwest of the DFW terminal area FL240 and above.

NOTE: BONHAM TRANSITION: For aircraft overflying/landing TUL VORTAC FL240 and above.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## LEONA FOUR DEPARTURE

(LOA4.LOA) 07OCT21

ANGLETON/LAKE JACKSON, TEXAS  
TEXAS GULF COAST RGNL (LBX)





DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(LFK3.LFK) 24137

AL-6453 (FAA)

TEXAS GULF COAST RGNL (LBX)  
ANGLETON/LAKE JACKSON, TEXAS

# LUFKIN THREE DEPARTURE

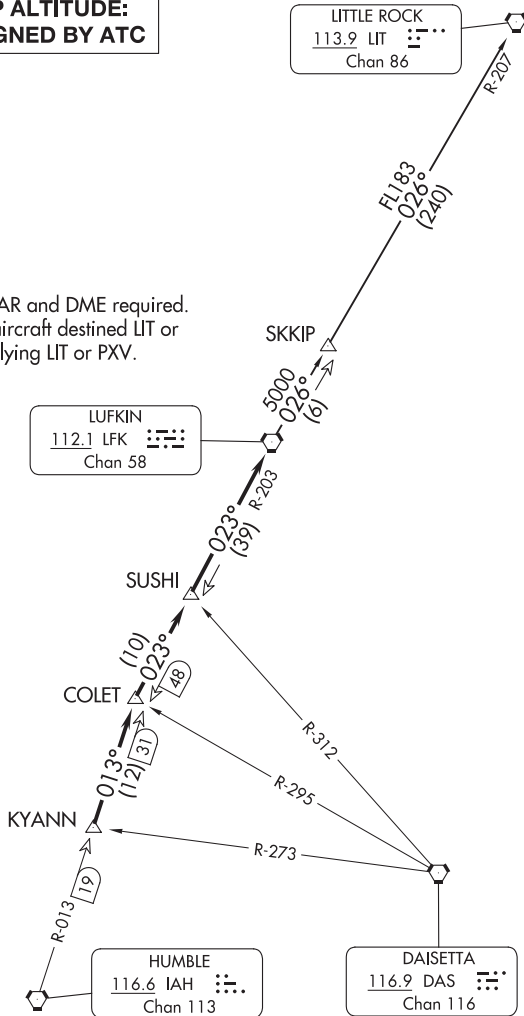
ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS  
Rwys 17, 35: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

# LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

ANGLETON/LAKE JACKSON, TEXAS  
TEXAS GULF COAST RGNL (LBX)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

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SC-5, 07 AUG 2025 to 02 OCT 2025

(LURIC8.LURIC) 21280

AL-6453 (FAA)

TEXAS GULF COAST RGNL (L.B.X)

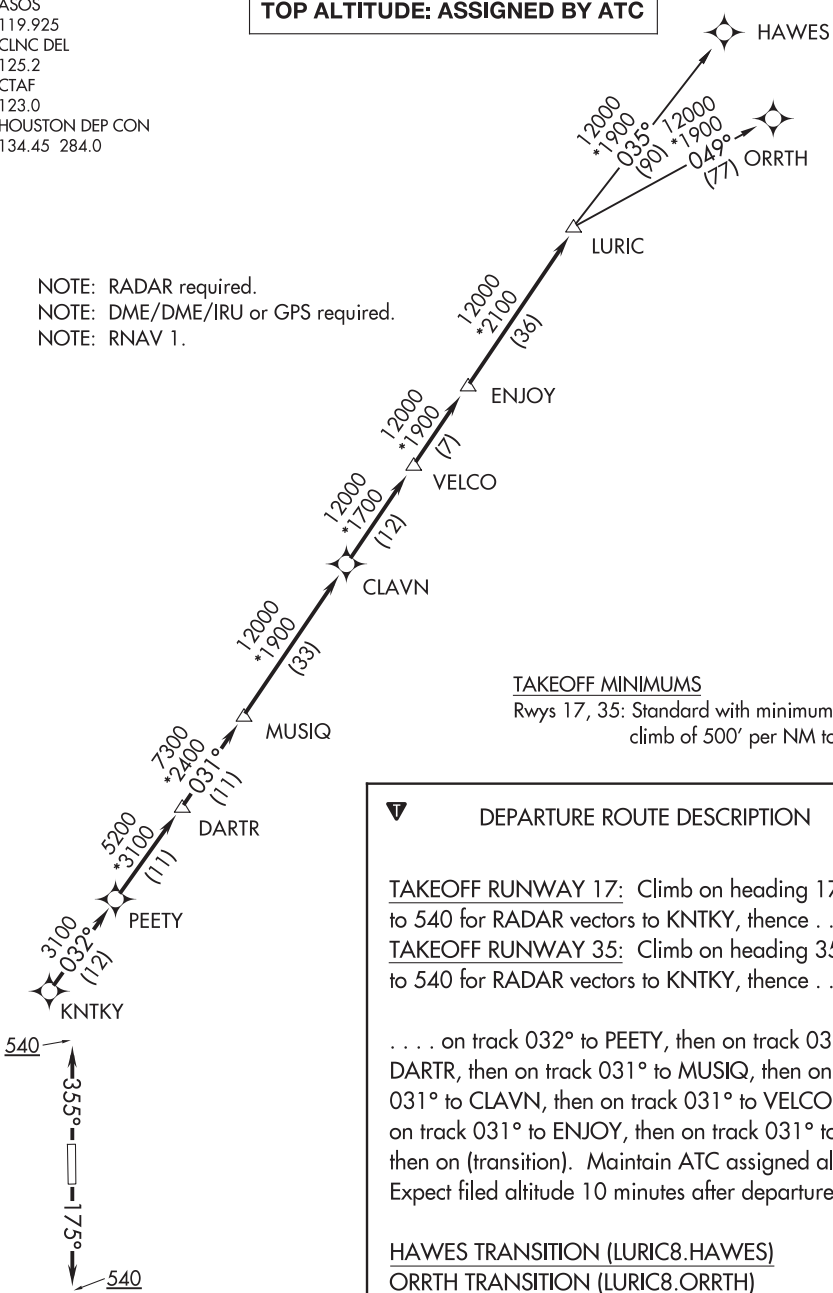
LURIC EIGHT DEPARTURE (RNAV)

ANGLETON/LAKE JACKSON, TEXAS

ASOS  
119.925  
CLNC DEL  
125.2  
CTAF  
123.0  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum  
climb of 500' per NM to 540.

**DEPARTURE ROUTE DESCRIPTION**

**TAKEOFF RUNWAY 17:** Climb on heading 175° to 540 for RADAR vectors to KNTKY, thence . . .

**TAKEOFF RUNWAY 35:** Climb on heading 355° to 540 for RADAR vectors to KNTKY, thence . . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

**HAWES TRANSITION (LURIC8.HAWES)**  
**ORRTH TRANSITION (LURIC8.ORRTH)**

NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)  
(LURIC8.LURIC) 07OCT21

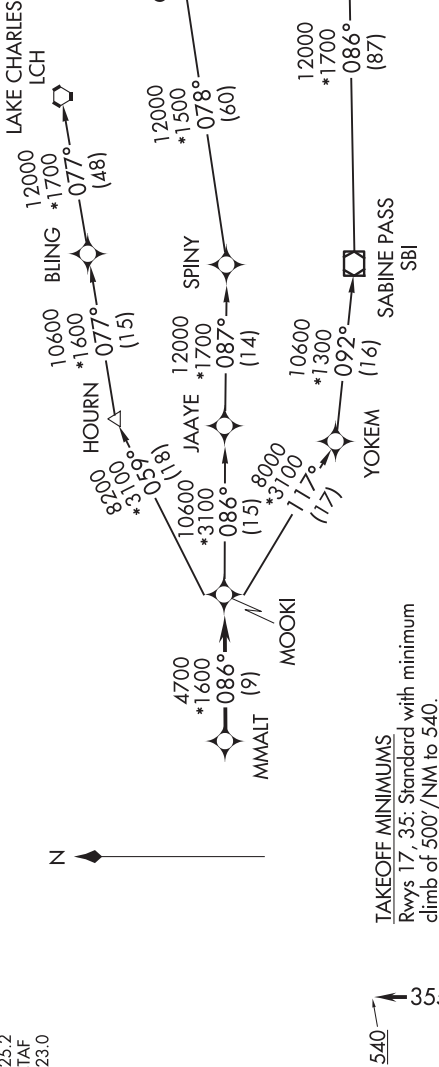
ANGLETON/LAKE JACKSON, TEXAS  
TEXAS GULF COAST RGNL (L.B.X)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON DEP CON  
134.45 284.0  
ASOS  
119.925  
CINC DEL  
125.2  
CTAF  
123.0

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.



NOTE: GUSTI and LCH Transitions ATC assigned only for aircraft departing AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41 and 54T.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540, for RADAR vectors to MMALT, thence. . .  
TAKEOFF RUNWAY 35: Climb on heading 355° to 540, for RADAR vectors to MMALT, thence. . .  
... on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMALT7.GUSTI)  
LAKE CHARLES TRANSITION (MMALT7.LCH)  
WHITE LAKE TRANSITION (MMALT7.LLA)

NOTE: Chart not to scale.

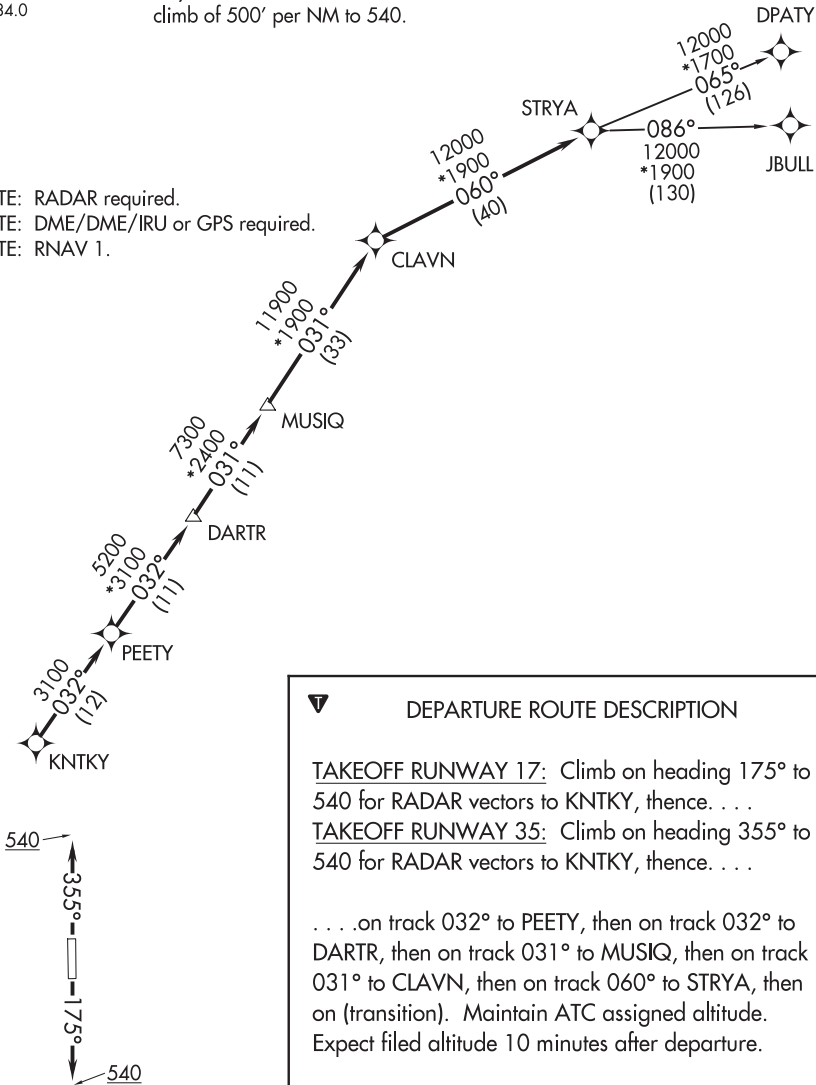
STRYA EIGHT DEPARTURE (RNAV)

TOP ALTITUDE: ASSIGNED BY ATC

ASOS  
119.925  
CTAF  
123.0  
CLNC DEL  
125.2  
HOUSTON DEP CON  
134.45 284.0

TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum  
climb of 500' per NM to 540.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



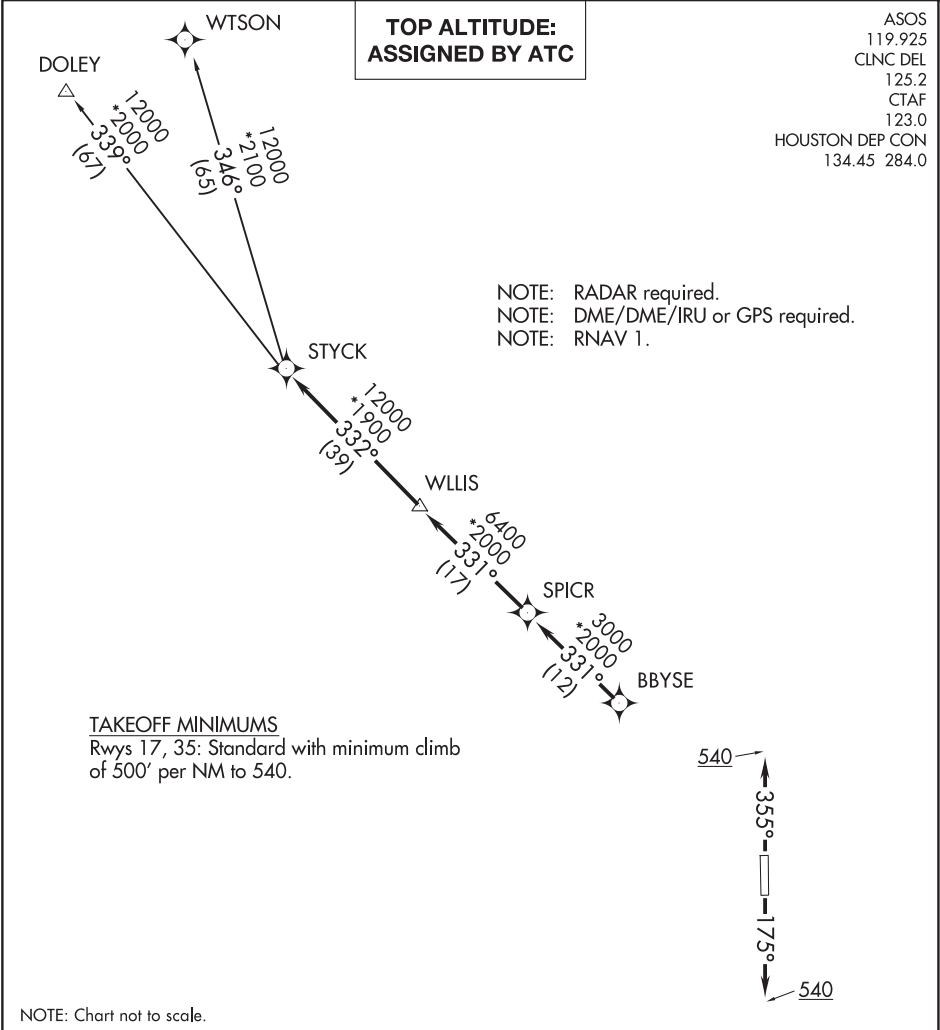
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540 for RADAR vectors to KNTKY, thence. . .  
TAKEOFF RUNWAY 35: Climb on heading 355° to 540 for RADAR vectors to KNTKY, thence. . .  
. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

STRYA EIGHT DEPARTURE (RNAV)



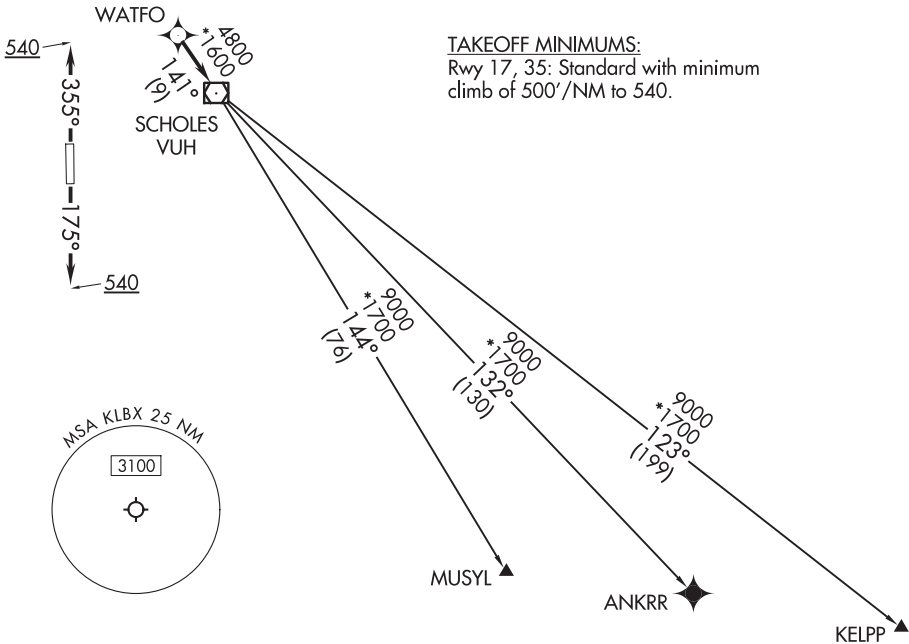
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAY 17: Climb on heading 175° to 540 for RADAR vectors to BBYSE, thence. . .
TAKEOFF RUNWAY 35: Climb on heading 355° to 540 for RADAR vectors to BBYSE, thence. . .
. . . on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.
DOLEY TRANSITION (STYCK8.DOLEY)
WTSON TRANSITION (STYCK8.WTSON)

WATFO SIX DEPARTURE (RNAV)

ASOS  
119.925  
CTAF  
123.0  
CLNC DEL  
125.2  
HOUSTON DEP CON  
134.45 284.0

RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 175° to 540, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 355° to 540, for RADAR vectors to WATFO, thence. . . .

. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

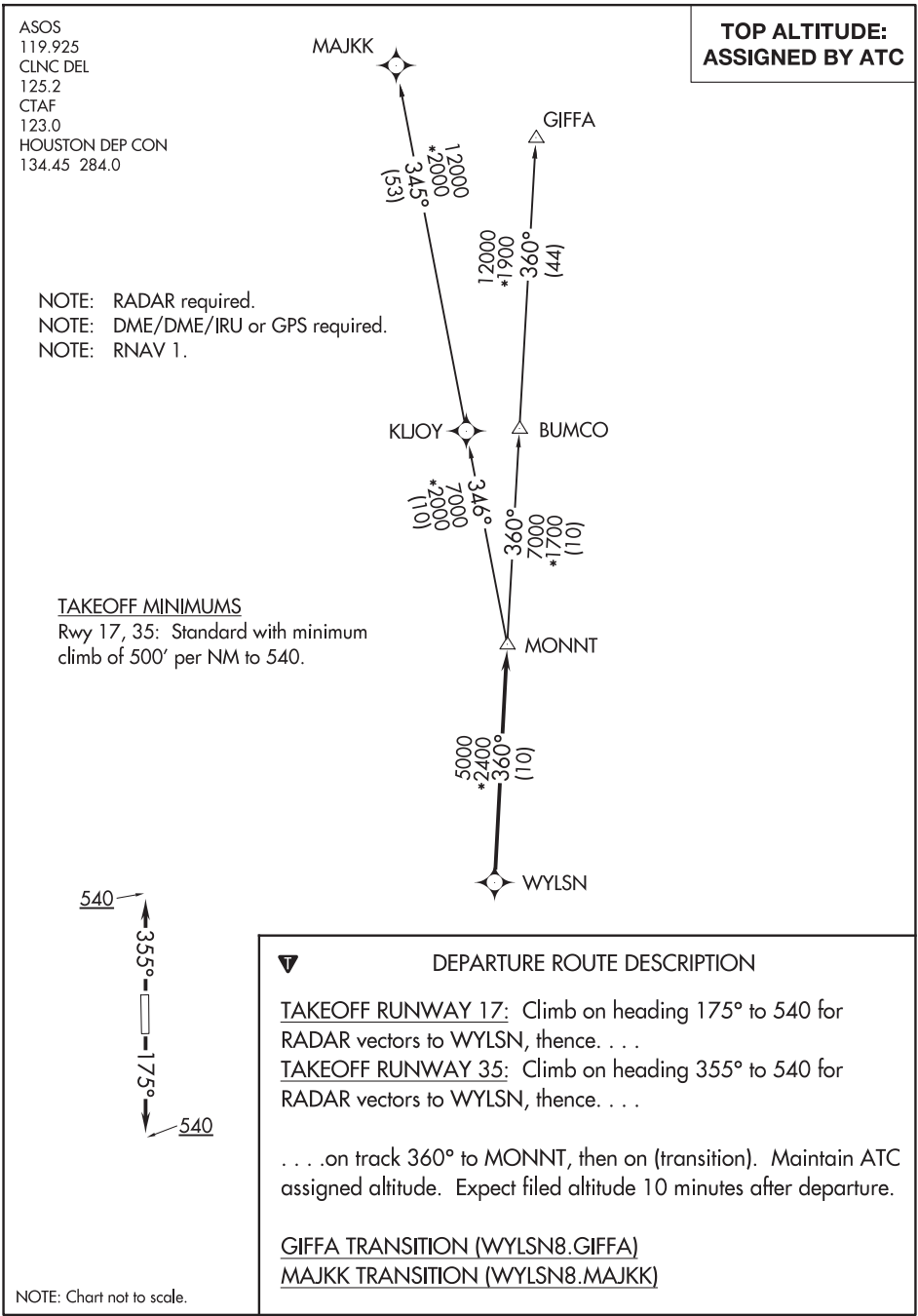
ANKRR TRANSITION (WATFO6.ANKRR)

KELPP TRANSITION (WATFO6.KELPP)

MUSYL TRANSITION (WATFO6.MUSYL)

WATFO SIX DEPARTURE (RNAV)





BAY CITY, TEXAS

AL-5824 (FAA)

25051

WAAS CH <b>40127</b> <b>W13A</b>	APP CRS <b>131°</b>	Rwy Idg <b>5107</b> TDZE <b>45</b> Apt Elev <b>45</b>
--	------------------------	---

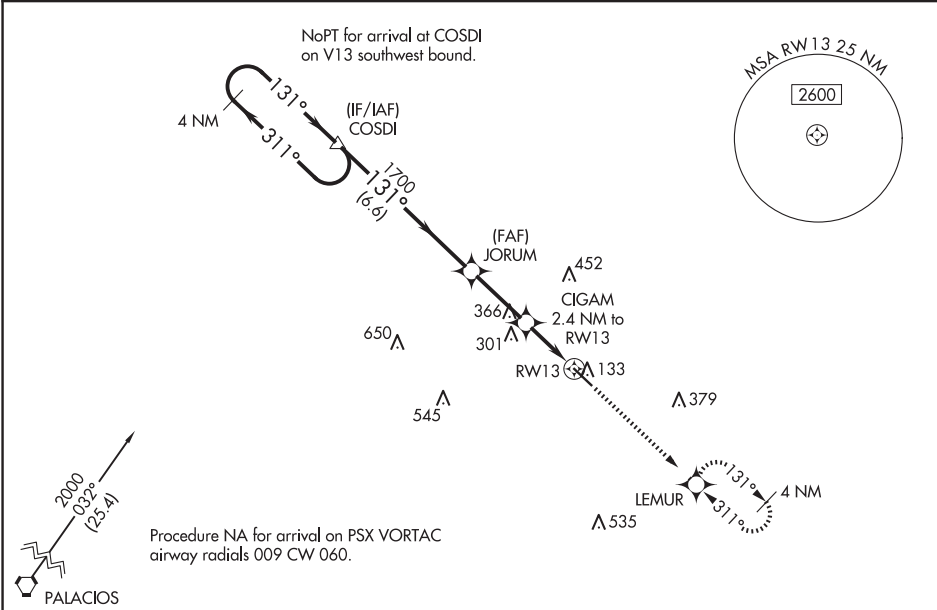
# RNAV (GPS) RWY 13

BAY CITY RGNL (BYY)

**⚠** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F).  
**⚠** Rwy 13, 31 helicopter visibility reduction below 1 SM NA. RADAR required. DME/DME RNP-0.3 NA.  
When local altimeter setting not received, use Palacios altimeter setting and increase all DA 63 feet and all MDA 80 feet; increase LNAV visibility Cat C ¼ mile. VDP and Baro-VNAV N/A when using Palacios altimeter setting.

**MISSED APPROACH:**  
Climb to 2000 direct LEMUR and hold.

AWOS-3PT <b>118.075</b>	HOUSTON CENTER <b>128.6 360.8</b>	UNICOM <b>122.8 (CTAF) 0</b>
----------------------------	--------------------------------------	---------------------------------



ELEV 45		TDZE 45	
4 NM Holding Pattern		2000 LEMUR	
GP 3.00° TCH 45		*LNAV only.	
6.6 NM		*0.8 NM to RW13	
CATEGORY	A	B	D
LPV DA	295-1	250 (300-1)	NA
LNAV/VNAV DA	295-1	250 (300-1)	NA
LNAV MDA	460-1	415 (500-1)	NA
CIRCLING	500-1	455 (500-1)	NA

BAY CITY, TEXAS  
Orig-B 22JUN17

28°58'N-95°52'W

# RNAV (GPS) RWY 13

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>78326</b> <b>W31A</b>	APP CRS <b>311°</b>	Rwy Idg <b>5107</b> TDZE <b>44</b> Apt Elev <b>45</b>
--	------------------------	---

RNAV (GPS) RWY 31

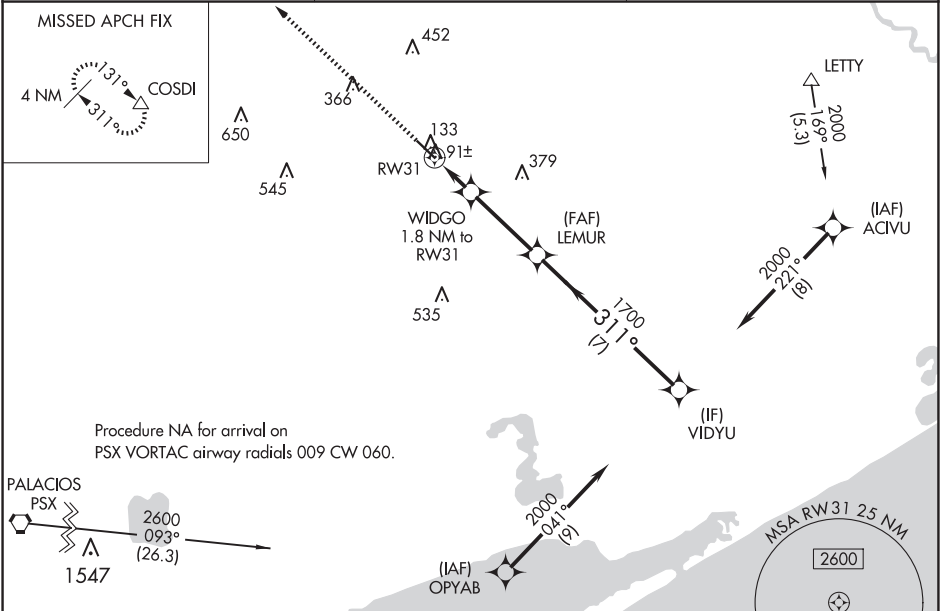
BAY CITY RGNL (BYY)

⚠

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Rwy 13, 31 helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Palacios altimeter setting and increase all DA 63 feet and all MDA 80 feet; increase LNAV visibility Cat C ¼ mile. VDP and Baro-VNAV N/A when using Palacios altimeter setting.

MISSED APPROACH: Climb to 2000 direct COSDI and hold.

AWOS-3PT <b>118.075</b>	HOUSTON CENTER <b>128.6 360.8</b>	UNICOM <b>122.8 (CTAF) 0</b>
----------------------------	--------------------------------------	---------------------------------



ELEV 45

TDZE 44

REIL Rwy 13 0  
REIL Rwy 31  
MIRL Rwy 13-31 0

2000 COSDI

\*LNAV only.

WIDGO 1.8 NM to RW31

LEMUR 1700

VIDYU 2000

GP 3.00°  
TCH 45

CATEGORY	A	B	C	D
LPV DA	294-1	250 (300-1)		NA
LNAV/VNAV DA	294-1	250 (300-1)		NA
LNAV MDA	360-1	316 (400-1)		NA
CIRCLING	500-1	455 (500-1)	620-1½ 575 (600-1½)	NA

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

BAY CITY, TEXAS

AL-5824 (FAA)

25051

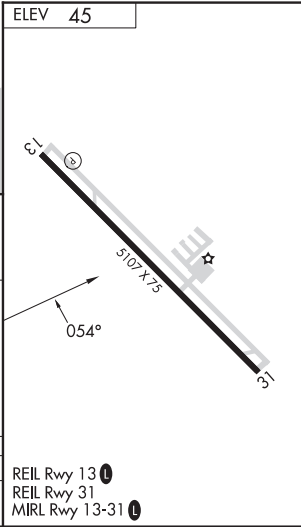
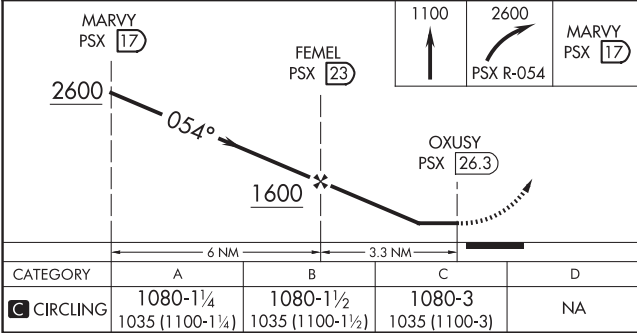
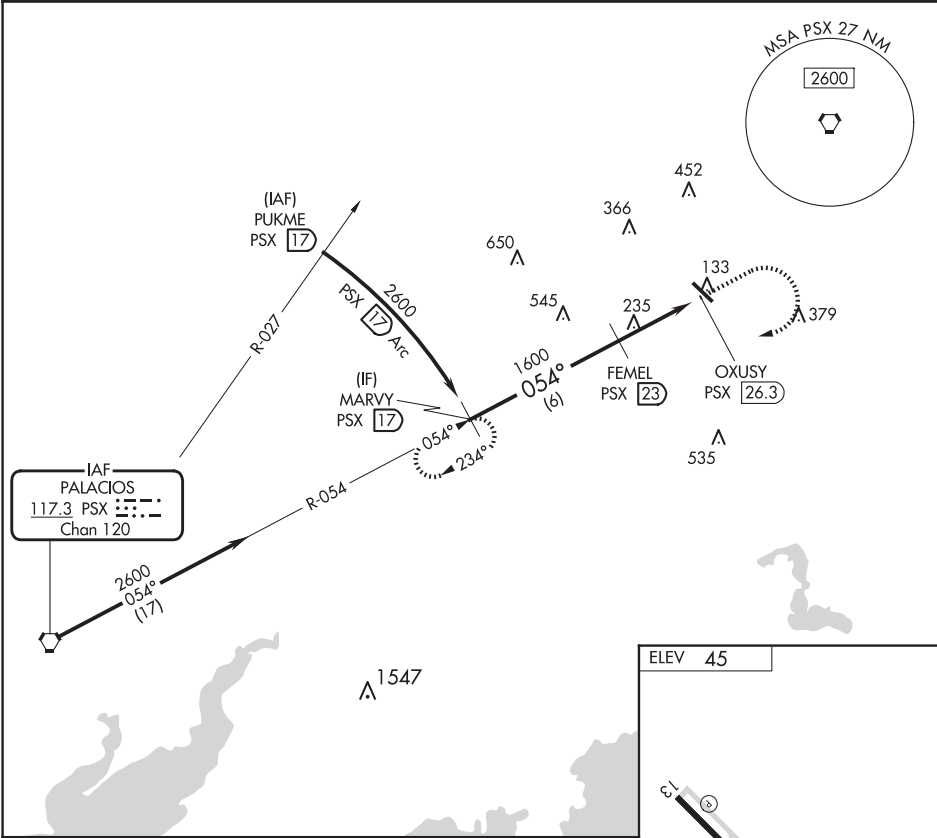
VORTAC PSX <b>117.3</b> Chan <b>120</b>	APP CRS <b>054°</b>	Rwy Idg TDZE Apt Elev <b>N/A</b> <b>N/A</b> <b>45</b>
---	------------------------	--

VOR-A  
BAY CITY RGNL (BYT)

- ▼ Rwy 13, 31 helicopter visibility reduction below 1 SM NA.  
DME required. When local altimeter setting not received,  
use Palacios altimeter setting and increase all MDA 80 feet.

▲ MISSED APPROACH: Climb to 1100 then climbing right turn  
to 2600 on PSX VORTAC R-054 to MARVY/17 DME and hold.

AWOS-3PT <b>118.075</b>	HOUSTON CENTER <b>128.6 360.8</b>	UNICOM <b>122.8</b> (CTAF) <b>1</b>
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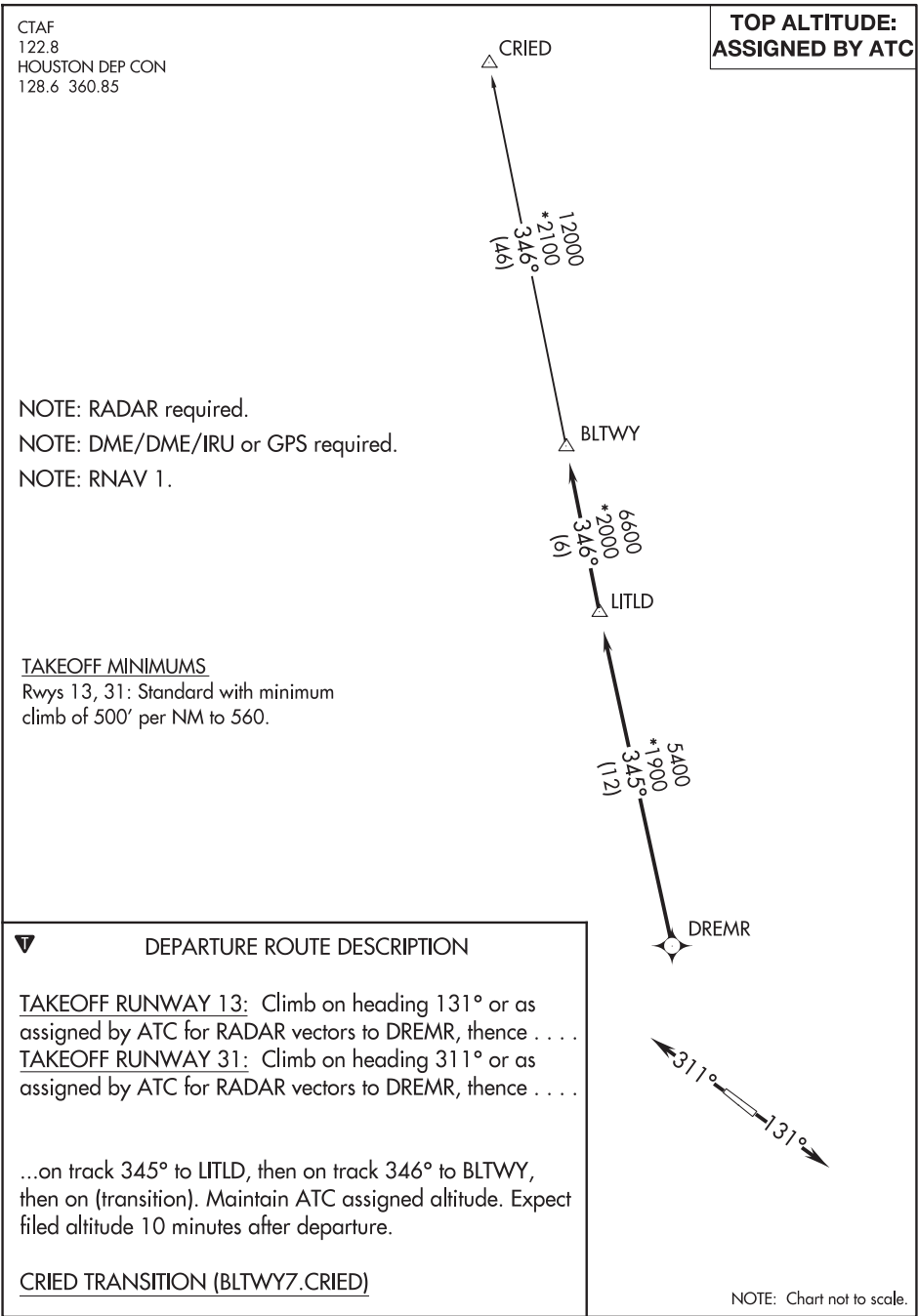
BAY CITY, TEXAS  
Amdt 4D 17AUG17

28°58'N-95°52'W

BAY CITY RGNL (BYT)  
VOR-A

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



(INDIE8.INDIE) 25051

AL-5824 (FAA)

BAY CITY RGNL (BYY)

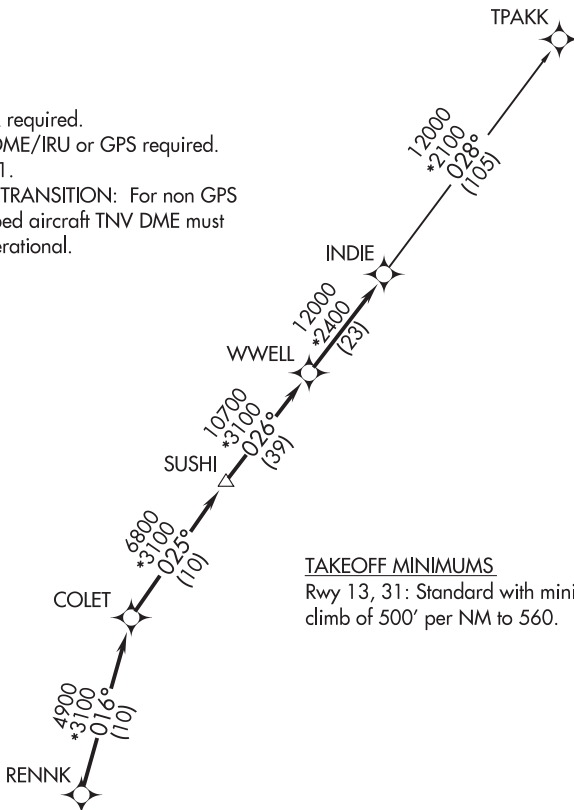
BAY CITY, TEXAS

# INDIE EIGHT DEPARTURE (RNAV)

AWOS-3PT  
118.075  
CTAF  
122.8  
HOUSTON CENTER  
128.6 360.8

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



## TAKEOFF MINIMUMS

Rwy 13, 31: Standard with minimum  
climb of 500' per NM to 560.



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 131° to  
560 for RADAR vectors to RENNK, thence . . . .

TAKEOFF RUNWAY 31: Climb on heading 311° to  
560 for RADAR vectors to RENNK, thence . . . .

. . . . on track 016° to COLET, then on track 025°  
to SUSHI, then on track 026° to WWELL, then on  
track 026° to INDIE , then on (transition).  
Maintain ATC assigned altitude. Expect filed  
altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

# INDIE EIGHT DEPARTURE (RNAV)

(INDIE8.INDIE) 07OCT21

BAY CITY, TEXAS

BAY CITY RGNL (BYY)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

## LURIC EIGHT DEPARTURE (RNAV)

AWOS-3PT  
118.075  
CTAF  
122.8  
HOUSTON DEP CON  
128.6 360.85

**TOP ALTITUDE: ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 13, 31: Standard with minimum climb of 500' per NM to 560.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 131°

to 560 for RADAR vectors to KNTKY, thence . . . .

TAKEOFF RUNWAY 31: Climb on heading 311° to 560 for RADAR vectors to KNTKY, thence . . .

... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

## ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)

(LURIC8.LURIC) 07OCT21

BAY CITY, TEXAS

BAY CITY RGNL (BYY)

SC-5, 07 AUG 2025 to 02 OCT 2025

BAY CITY RGNL (BYY)

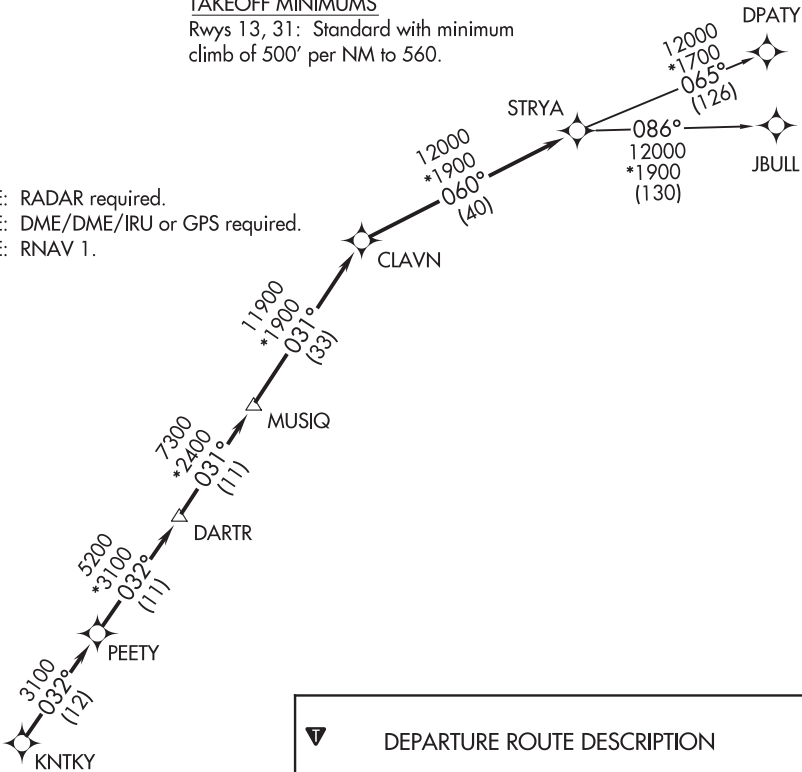


AWOS-3PT  
118.075  
CTAF  
122.8  
HOUSTON CENTER  
128.6 360.85

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 13, 31: Standard with minimum  
climb of 500' per NM to 560.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 131° to 560 for RADAR vectors to KNTKY, thence. . . .  
TAKEOFF RUNWAY 31: Climb on heading 311° to 560 for RADAR vectors to KNTKY, thence. . . .  
...on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

(STYCK8.STYCK) 25051

AL-5824 (FAA)

BAY CITY RGNL (BYY)

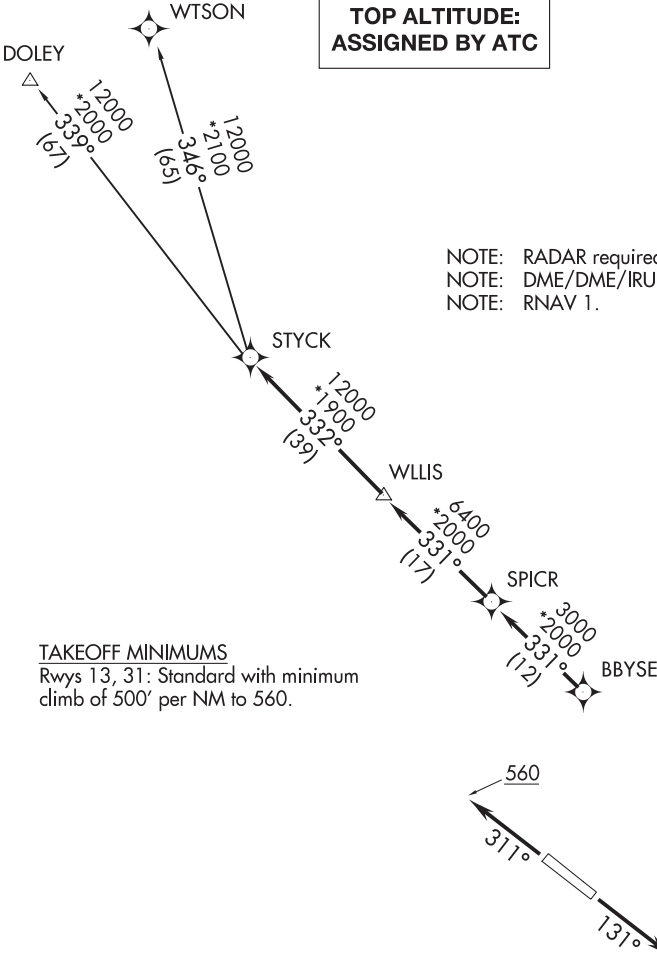
STYCK EIGHT DEPARTURE (RNAV)

BAY CITY, TEXAS

AWOS-3PT  
118.075  
CTAF  
122.8  
HOUSTON DEP CON  
128.6 360.85

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS  
Rwys 13, 31: Standard with minimum  
climb of 500' per NM to 560.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 131° to 560 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 31: Climb on heading 311° to 560 for RADAR vectors to BBYSE, thence. . .  
. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on  
(transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)

STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

BAY CITY, TEXAS

BAY CITY RGNL (BYY)

SC-5, 07 AUG 2025 to 02 OCT 2025

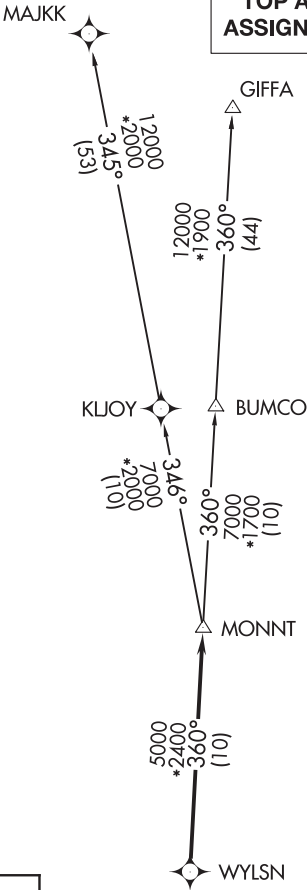
SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON DEP CON  
128.6 360.85

TOP ALTITUDE:  
ASSIGNED BY ATC

- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwy 13, 31: Standard with minimum  
climb of 500' per NM to 560.

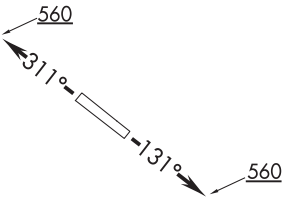


**DEPARTURE ROUTE DESCRIPTION**

TAKEOFF RUNWAY 13: Climb on heading 131° to 560 for RADAR vectors to WYLSN, thence. . .  
TAKEOFF RUNWAY 31: Climb on heading 311° to 560 for RADAR vectors to WYLSN, thence. . .

. . . on track 360° to MONNT, then on (transition).  
Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJJK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.

BAYTOWN, TEXAS

AL-5757 (FAA)

21168

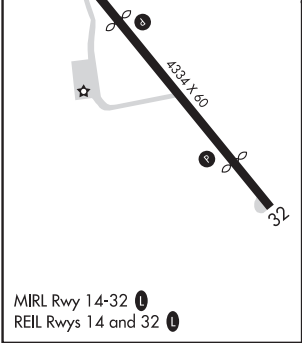
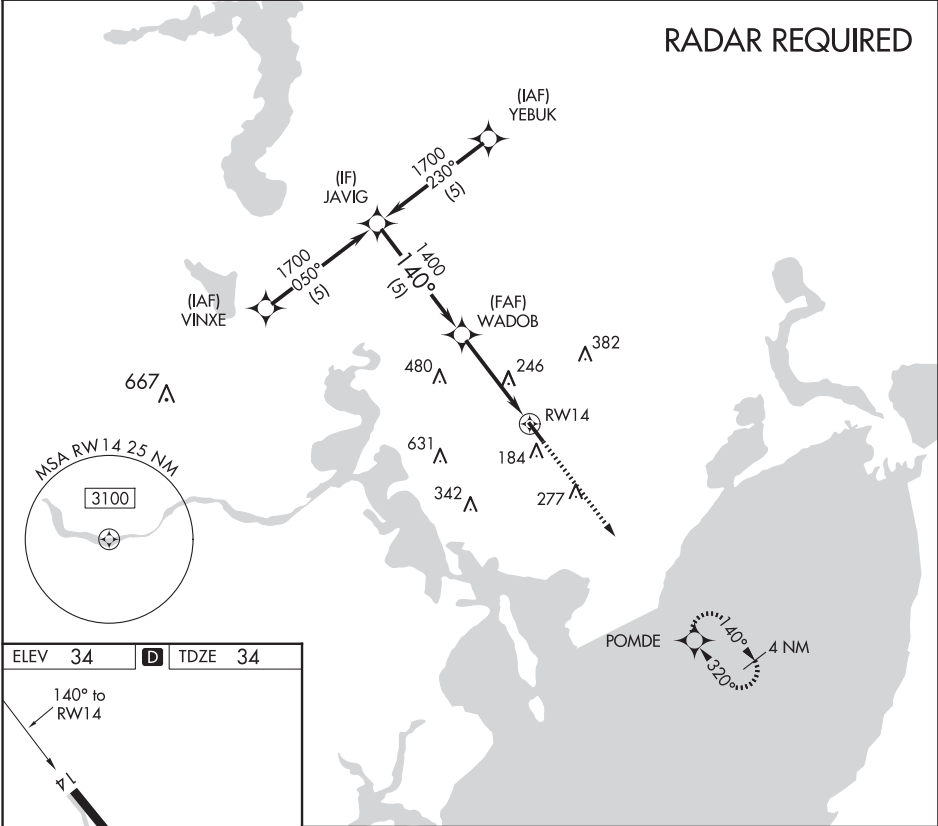
APP CRS	Rwy Idg	<b>3320</b>
<b>140°</b>	TDZE	<b>34</b>
	Apt Elev	<b>34</b>

RNAV (GPS) RWY 14

BAYTOWN (HPY)

RNP APCH.	MISSED APPROACH: Climb to 2000 direct to POMDE and hold.
<div><div>▼</div><div>▲ NA</div></div> <div>Circling NA at night. Rwy 14 helicopter visibility reduction below 1 SM NA. Obtain local altimeter setting on CTAF; when not received, use William P Hobby altimeter setting and increase all MDA 60 feet.</div>	

HOUSTON APP CON	UNICOM
<b>134.45 281.4</b>	<b>122.8 (CTAF) 0</b>



JAVIG	VGS1 and descent angles not coincident (VGS1 Angle 3.00/TCH 20).			2000	POMDE
1700	140°	WADOB	1400	3.04° TCH 40	RW14
5 NM		4.1 NM			
CATEGORY	A	B	C	D	
LNAV MDA	500-1	466 (500-1)	NA		
CIRCLING	500-1 466 (500-1)	560-1 526 (600-1)	NA		

BAYTOWN, TEXAS  
Orig-A 17JUN21

29°47'N-94°57'W

BAYTOWN (HPY)

RNAV (GPS) RWY 14

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

BAYTOWN, TEXAS

AL-5757 (FAA)

22223

APP CRS <b>320°</b>	Rwy Idg TDZE Apt Elev	<b>3283</b> <b>28</b> <b>34</b>
------------------------	-----------------------------	---------------------------------------

RNAV (GPS) RWY 32  
BAYTOWN (HPY)

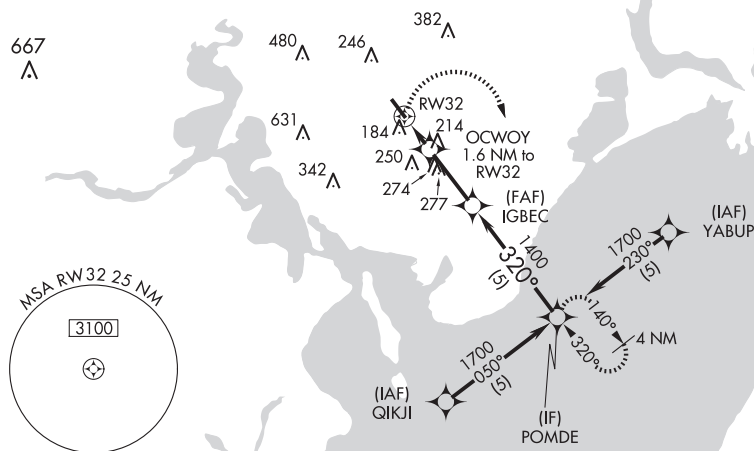
RNP APCH-GPS.

**T** Circling NA at night. Rwy14 helicopter visibility reduction below  
**A** NA 1 SM NA. Obtain local altimeter setting on CTAF; when not received,  
 use William P Hobby altimeter setting and increase all MDA 60 feet.

**MISSED APPROACH:**  
Climbing right turn to 2000  
direct to POMDE and hold.

HOUSTON APP CON  
134.45 281.4

UNICOM  
122.8 (CTAF) **L**



ELEV 34	<b>D</b>	TDZE 28
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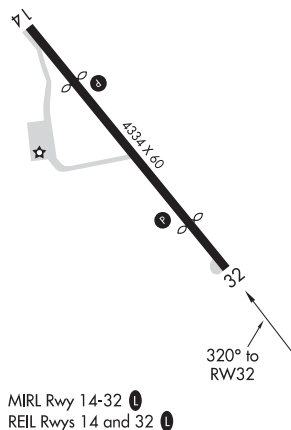


Figure 1: Schematic diagram of the proposed 2000-POMDE-VGSI-IGBEC-POMDE-1700 structure. The diagram shows a cross-section of the device with layers and dimensions. The top layer is 2000 nm thick. Below it is a POMDE layer. The central region is a VGSI with a width of 1.6 nm and a depth of 1.6 nm. The bottom layer is a POMDE layer. The right side is a 1700 nm thick layer. The total width is 5 nm. The angle of the VGSI is 3.37 degrees. The angle of the IGBEC is 320 degrees. The diagram also shows the OCWOY (1.6 nm to RW32) and the IGBEC (1.400 nm).

CATEGORY	A	B	C	D
LNAV MDA	520-1	492 (500-1)	NA	
CIRCLING	520-1 486 (500-1)	560-1 526 (600-1)	NA	

BAYTOWN, TEXAS  
Orig-B 11AUG22

29°47'N-94°57'W

BAYTOWN (HPY)  
RNAV (GPS) RWY 32

51

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(BLTWY7.BLTWY) 21280

BLTWY SEVEN DEPARTURE (RNAV)

CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 14, 32: Standard with minimum climb  
of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140°

to 540 for RADAR vectors to DREMR, thence . . .

TAKEOFF RUNWAY 32: Climb on heading 320°

to 540 for RADAR vectors to DREMR, thence . . .

...on track 345° to LITLD, then on track 346°  
to BLTWY, then on (transition). Maintain ATC  
assigned altitude. Expect filed altitude 10  
minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)

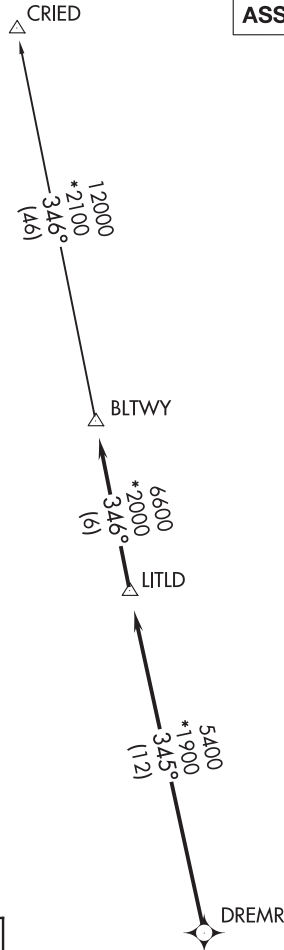
BLTWY SEVEN DEPARTURE (RNAV)

(BLTWY7.BLTWY) 07OCT21

52  
AL-5757 (FAA)

BAYTOWN (HPY)  
BAYTOWN, TEXAS

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.

BAYTOWN, TEXAS  
BAYTOWN (HPY)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

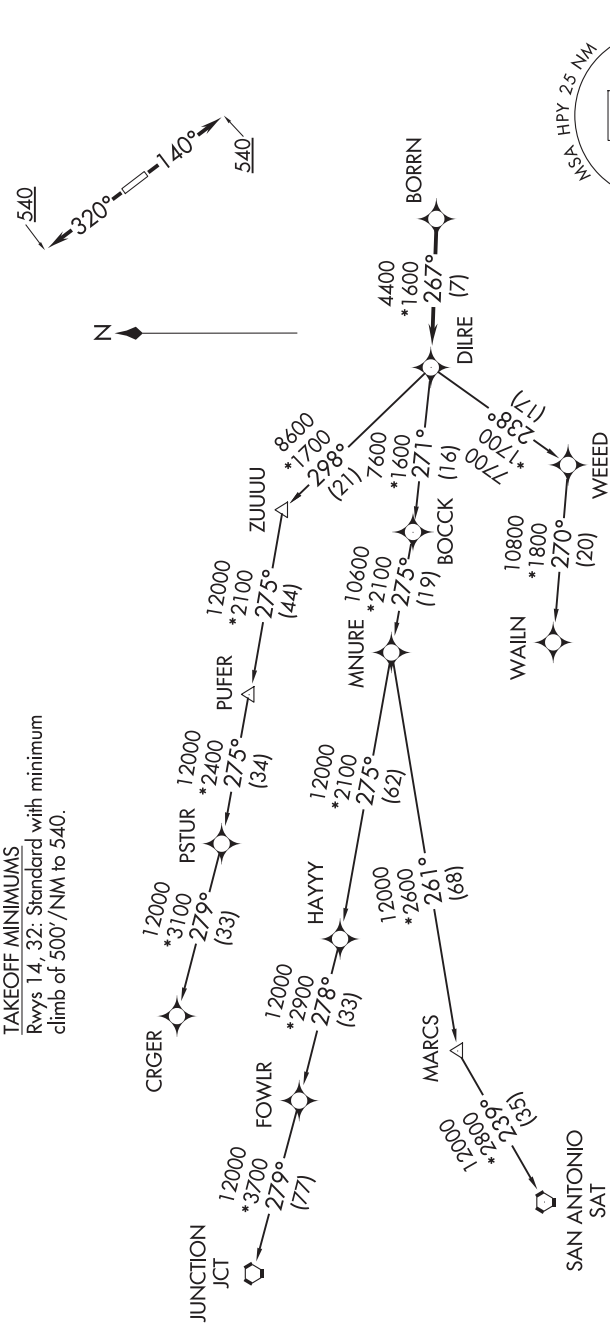
SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0

RNAV 1 - DME/DME/IRU or GPS.

RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: CRGR-TRANSITION ATC assigned only  
for aircraft departing 54T, AXH, EFD, GLS,  
HPY, IWS, LBX, LVJ, SGR, TME, TØØ, T41.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140° to 540, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 540, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

SAN ANTONIO TRANSITION (BORRN6.SAT)

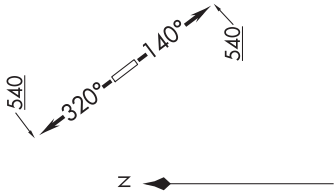
WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0



NOTE: RNAV 1.

NOTE: RADAR required.

NOTE: ATC assigned only.

NOTE: DME/DME/IRU or GPS required.

NOTE: For non-GPS equipped aircraft, LCH, ILLA, TBD, and LEV DME's must be operational.

TAKEOFF MINIMUMS

Rwys 14, 32: Standard with minimum climb of 500' per NM to 540.

SCHOLES  
VUH

2300  
\*1400  
118°  
(32)

HOODO  
SBIRD  
(36)  
11000  
\*1400  
087°

HOODO

SBIRD

(60)

CFOOD

(68)

BOWFN

LEEVILLE  
LEV

HARVEY  
HRV

11000  
\*1700  
046°  
(82)

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: Chart not to scale.



**DEPARTURE ROUTE DESCRIPTION**

TAKEOFF RUNWAY 14: Climb on heading 140° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .

. . . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

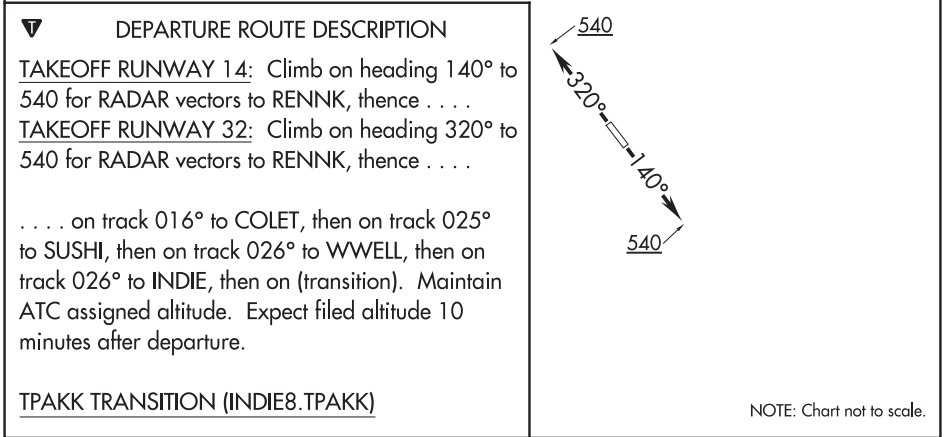
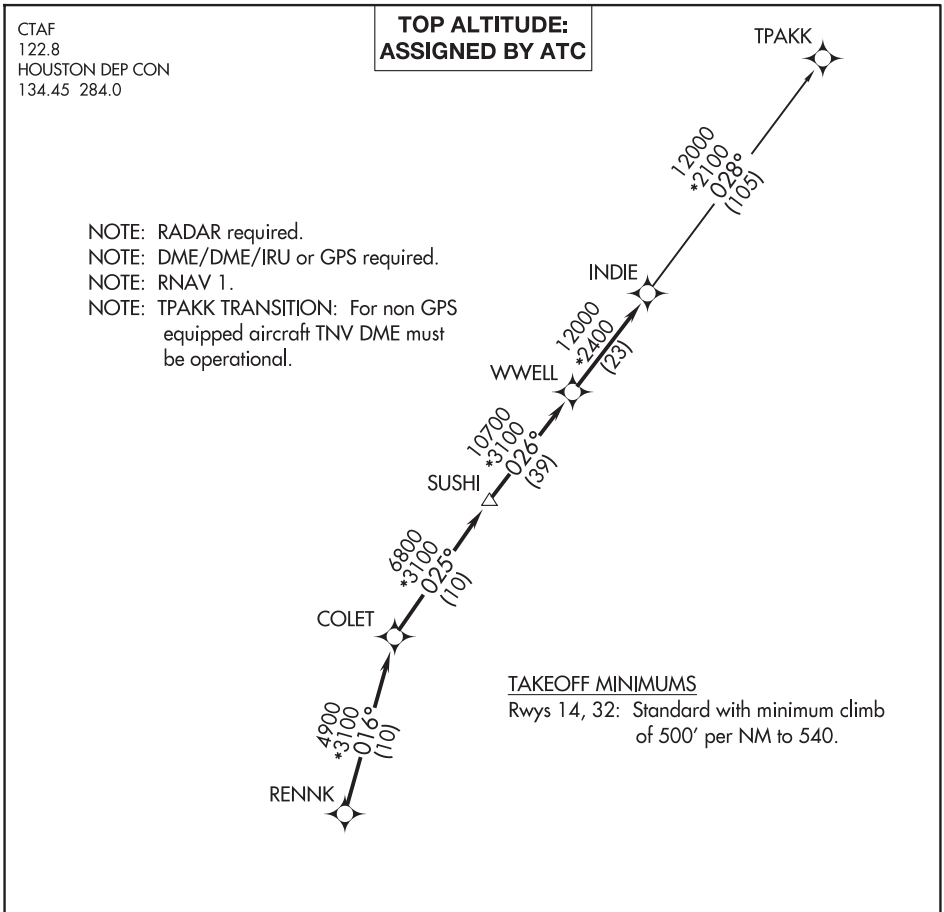
BOWFN TRANSITION (HOODO7.BOWFN)

CFOOD TRANSITION (HOODO7.CFOOD)

HARVEY TRANSITION (HOODO7.HRV)

LEEVILLE TRANSITION (HOODO7.LEV)

SBIRD TRANSITION (HOODO7.SBIRD)



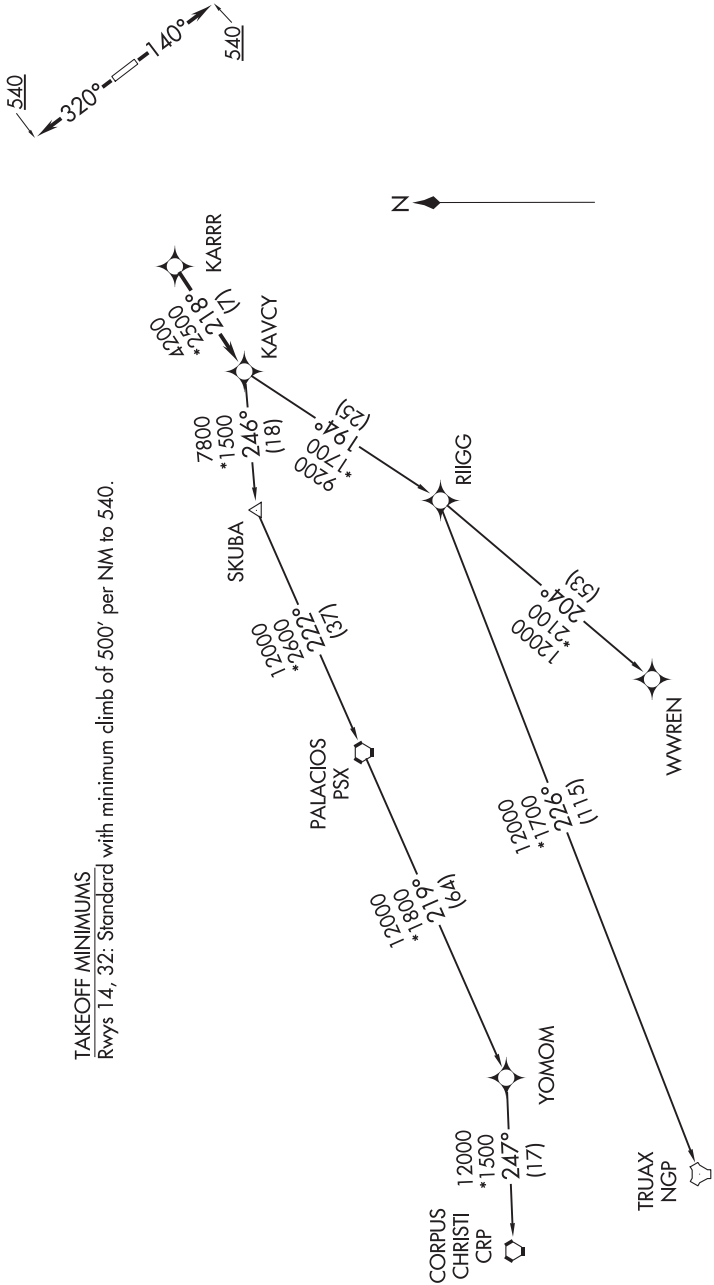
SC-5, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:  
ASSIGNED BY ATC

RNAV-1 DME/DME/IRU or GPS.
RADAR required.

CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0

TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum climb of 500' per NM to 540.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 540, for RADAR vectors to KARRR, thence . . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

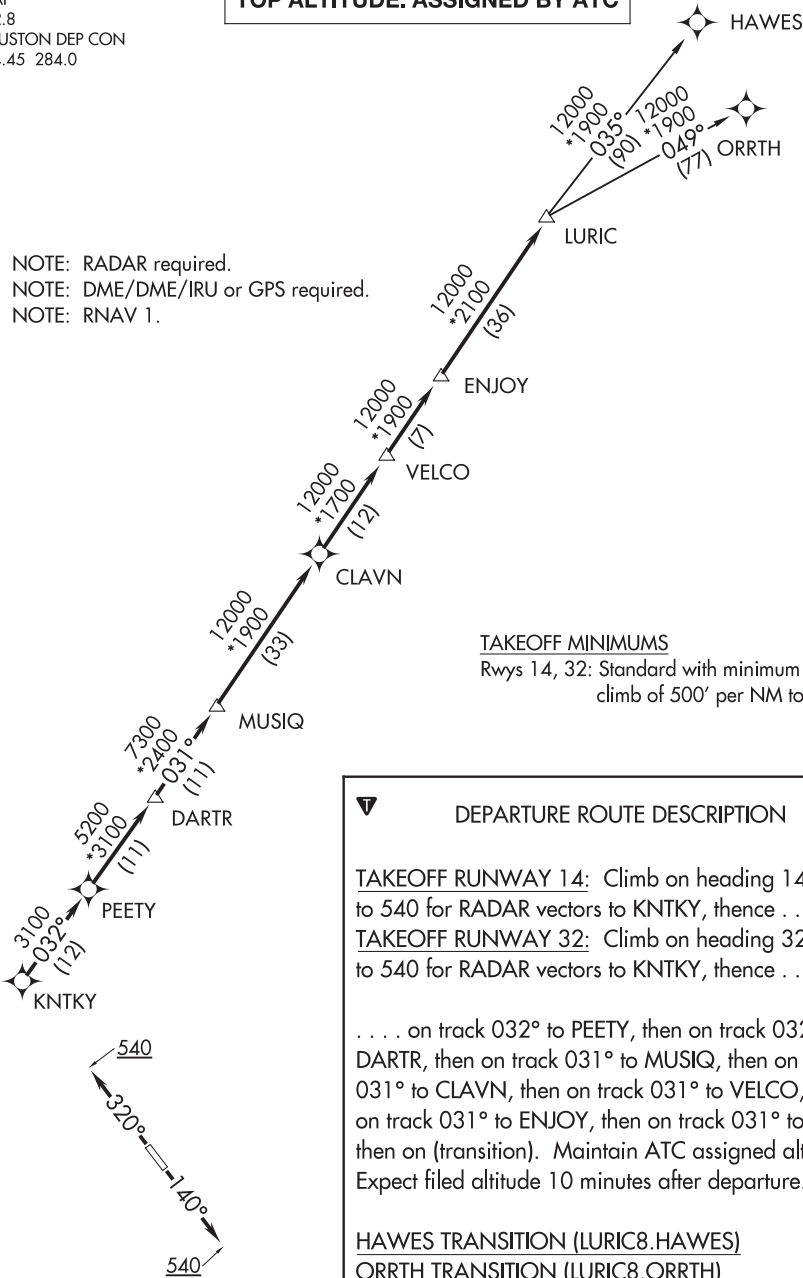
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum  
climb of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140° to 540 for RADAR vectors to KNTKY, then . . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 540 for RADAR vectors to KNTKY, then . . .  
. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

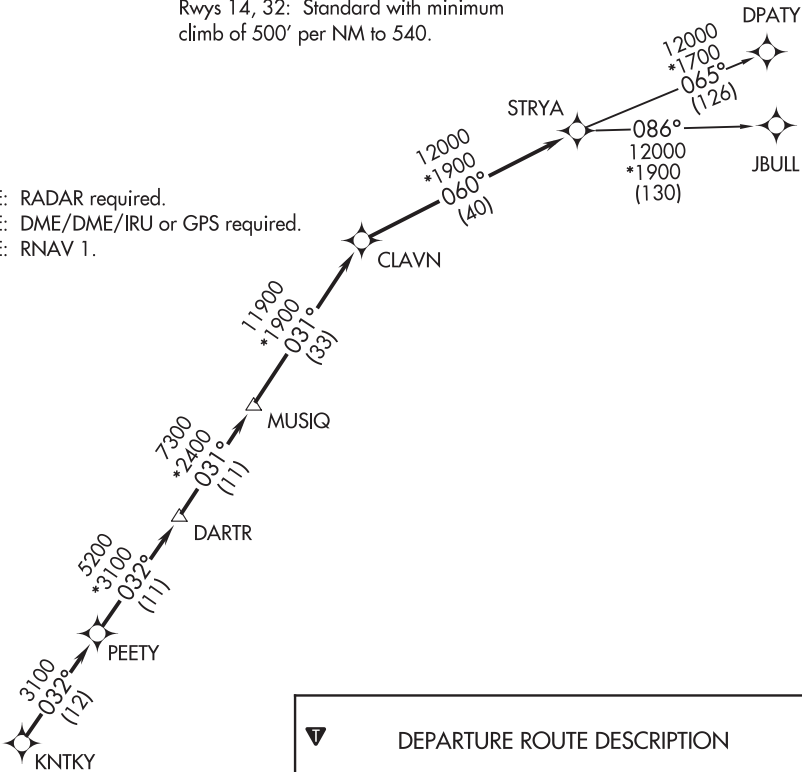
BAYTOWN (HPY)

CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum  
climb of 500' per NM to 540.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140° to 540 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 540 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

(STYCK8.STYCK) 21280

AL-5757 (FAA)

STYCK EIGHT DEPARTURE (RNAV)

BAYTOWN (HPY)

BAYTOWN, TEXAS

CTAF

122.8

HOUSTON DEP CON

134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 14, 32: Standard with minimum  
climb of 500' per NM to 540.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140° to 540 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 540 for RADAR vectors to BBYSE, thence. . .  
. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on  
(transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)

STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

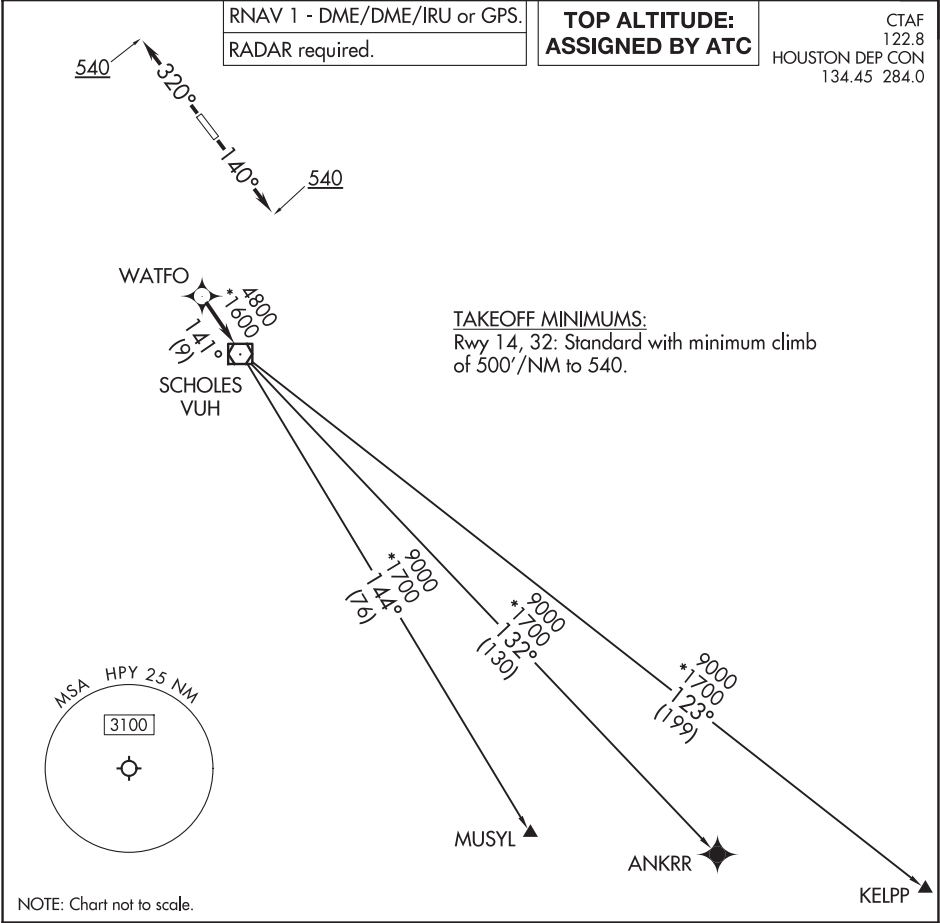
BAYTOWN, TEXAS

BAYTOWN (HPY)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 140° to 540, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 540, for RADAR vectors to WATFO, thence. . . .

. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)

KELPP TRANSITION (WATFO6.KELPP)

MUSYL TRANSITION (WATFO6.MUSYL)

(WYLSN8.WYLSN) 21280

AL-5757 (FAA)

BAYTOWN (HPY)

# WYLSN EIGHT DEPARTURE (RNAV)

BAYTOWN, TEXAS

CTAF  
122.8  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwy 14, 32: Standard with minimum  
climb of 500' per NM to 540.

## DEPARTURE ROUTE DESCRIPTION

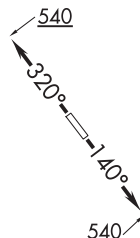
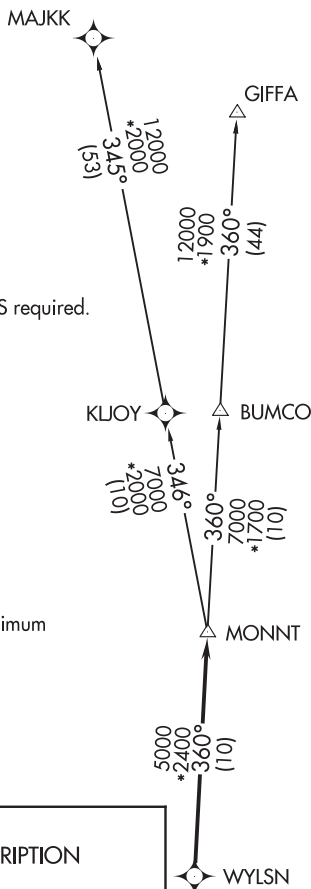
TAKEOFF RUNWAY 14: Climb on heading  
140° to 540 for RADAR vectors to WYLSN,  
thence. . . .

TAKEOFF RUNWAY 32: Climb on heading  
320° to 540 for RADAR vectors to WYLSN,  
thence. . . .

. . . .on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)

MAJJK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.

# WYLSN EIGHT DEPARTURE (RNAV)

(WYLSN8.WYLSN) 07OCT21

BAYTOWN, TEXAS

BAYTOWN (HPY)

APP CRS  
**264°**

Rwy Ldg  
TDZE  
Apt Elev  
**N/A**  
**N/A**  
**33**

**RNAV (GPS)-A**  
RWJ AIRPARK (54T)

RNP APCH - GPS.

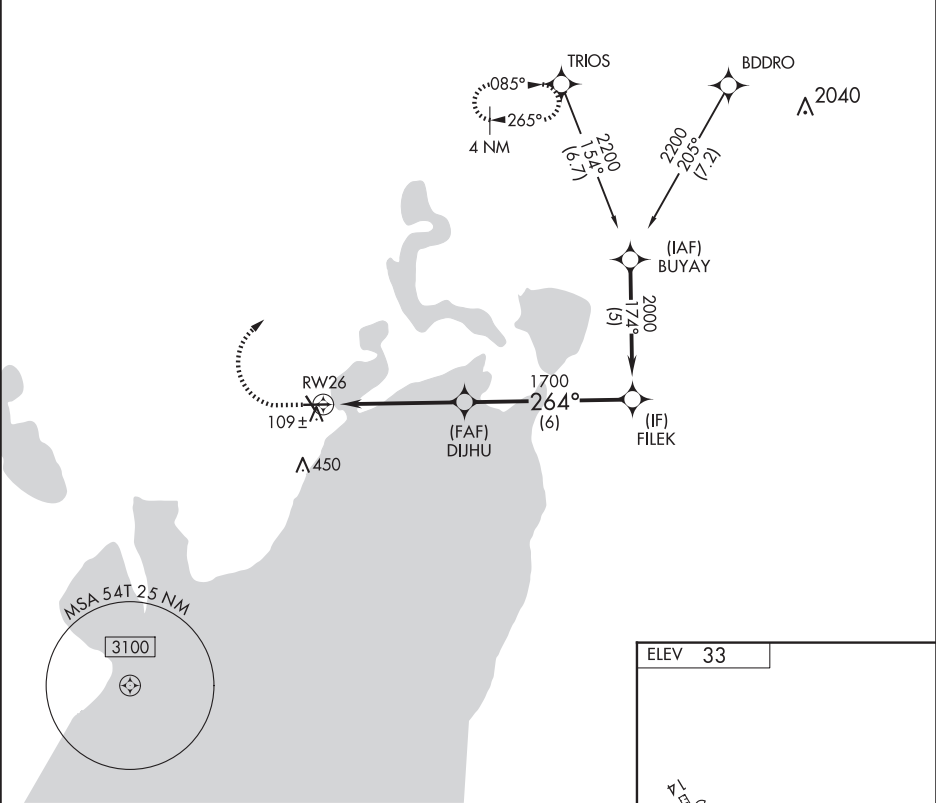
▼

NA

Circling NA to Rwy 14 and 32. Procedure NA at night.  
Use HOU altimeter setting.

MISSED APPROACH: Climb to 500 then climbing right turn to 2200 direct TRIOS and hold.

HOU ASOS <b>124.6</b>	HOUSTON APP CON <b>134.45 284.0</b>	UNICOM <b>122.7 (CTAF)</b>
--------------------------	--	-------------------------------



500

2200

TRIOS

Visual Segment - Obstacles.

CATEGORY	A	B	C	D
<b>C</b> CIRCLING	480-1 447 (500-1)	560-1 527 (600-1)	NA	

ELEV 33

LIRL Rwy 8-26

(BLTWY7.BLTWY) 21280

## BLTWY SEVEN DEPARTURE (RNAV)

66  
AL-6674 (FAA)

RWJ AIRPARK (54T)  
BAYTOWN, TEXAS

CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

### TAKEOFF MINIMUMS

Rwys 14, 32: NA - Environmental.  
Rwys 8, 26: Standard with minimum climb of 500' per NM to 540.

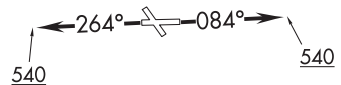
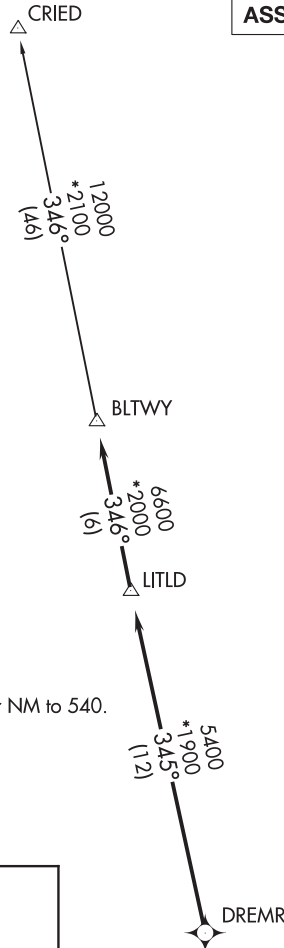


### DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540 for RADAR vectors to DREMR, thence . . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540 for RADAR vectors to DREMR, thence . . .

...on track 345° to LITLD, then on track 346° to BLTWY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.

BLTWY SEVEN DEPARTURE (RNAV)  
(BLTWY7.BLTWY) 07OCT21

BAYTOWN, TEXAS  
RWJ AIRPARK (54T)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

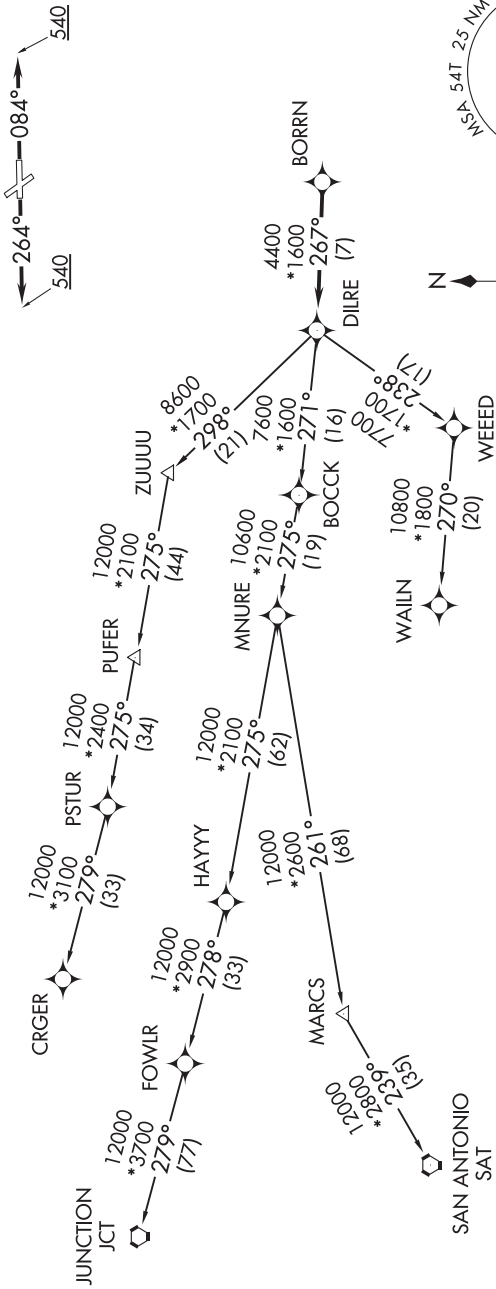
(BORRN6.BORRN) 25051  
BORRN SIX DEPARTURE (RNAV)

AL-6674 (FAA)

RWJ AIRPARK (54T)  
BAYTOWN, TEXAS

TAKEOFF MINIMUMS

Rwys 14, 32: NA - Environmental.  
Rwys 8, 26: Standard with minimum climb  
of 500'/NM to 540.



NOTE: CRGR-TRANSITION ATC assigned only  
for aircraft departing 54T, AXH, EFD, GLS,  
HPY, IWS, LBX, LVJ, SGR, TME, TØØ, T41.

(CONTINUED ON FOLLOWING PAGE)

BORRN SIX DEPARTURE (RNAV)  
(BORRN6.BORRN) 30NOV23

BAYTOWN, TEXAS  
RWJ AIRPARK (54T)

BORRN SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540, for RADAR vectors to BORRN, thence. . . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540, for RADAR vectors to BORRN, thence. . . .

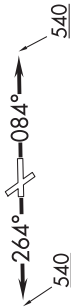
. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (BORRN6.CRGER)
- JUNCTION TRANSITION (BORRN6.JCT)
- MNURE TRANSITION (BORRN6.MNURE)
- SAN ANTONIO TRANSITION (BORRN6.SAT)
- WAILN TRANSITION (BORRN6.WAILN)

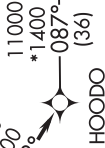
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

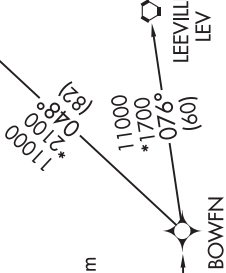


SCHOLES  
VUH



NOTE: RNAV 1.  
NOTE: RADAR required.  
NOTE: ATC assigned only.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: For non-GPS equipped aircraft, LCH, LLA, TBD, and LEV DME's must be operational.

TAKEOFF MINIMUMS  
Rwys 14, 32: NA - Environmental.  
Rwys 8, 26: Standard with minimum climb of 500' per NM to 540.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540, for RADAR vectors to VUH VOR/DME, thence . . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540, for RADAR vectors to VUH VOR/DME, thence . . .

. . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOODO7.BOWFN)  
CFOOD TRANSITION (HOODO7.CFOOD)  
HARVEY TRANSITION (HOODO7.HRV)  
LEEVILLE TRANSITION (HOODO7.LEV)  
SBIRD TRANSITION (HOODO7.SBIRD)

(HOODO7.HOODO) 21280  
HOODO SEVEN DEPARTURE (RNAV)

AL-6674 (FAA)

RWJ AIRPARK (54T)  
BAYTOWN, TEXAS

TOP ALTITUDE:  
ASSIGNED BY ATC

HOODO SEVEN DEPARTURE (RNAV)  
(HOODO7.HOODO) 07OCT21

BAYTOWN, TEXAS  
RWJ AIRPARK (54T)

(INDIE8.INDIE) 21280

## INDIE EIGHT DEPARTURE (RNAV)

70  
AL-6674 (FAA)

RWJ AIRPARK (54T)  
BAYTOWN, TEXAS

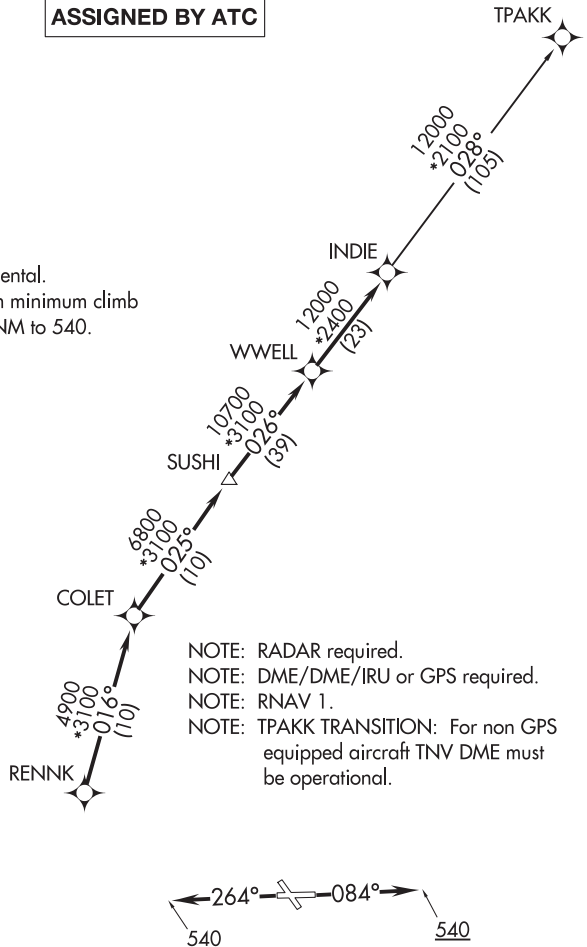
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

### TAKEOFF MINIMUMS

Rwys 14, 32: NA Environmental.

Rwys 8, 26: Standard with minimum climb  
of 500' per NM to 540.



### DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540 for RADAR vectors to RENNK,  
thence . . . .

TAKEOFF RUNWAY 26: Climb on heading 264° to 540 for RADAR vectors to RENNK,  
thence . . . .

. . . . on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to  
WWELL, then on track 026° to INDIE, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

## INDIE EIGHT DEPARTURE (RNAV)

(INDIE8.INDIE) 07OCT21

BAYTOWN, TEXAS  
RWJ AIRPARK (54T)

SC-5, 07 AUG 2025 to 02 OCT 2025



## KARRR SEVEN DEPARTURE (RNAV)

**TOP ALTITUDE:  
ASSIGNED BY ATC**

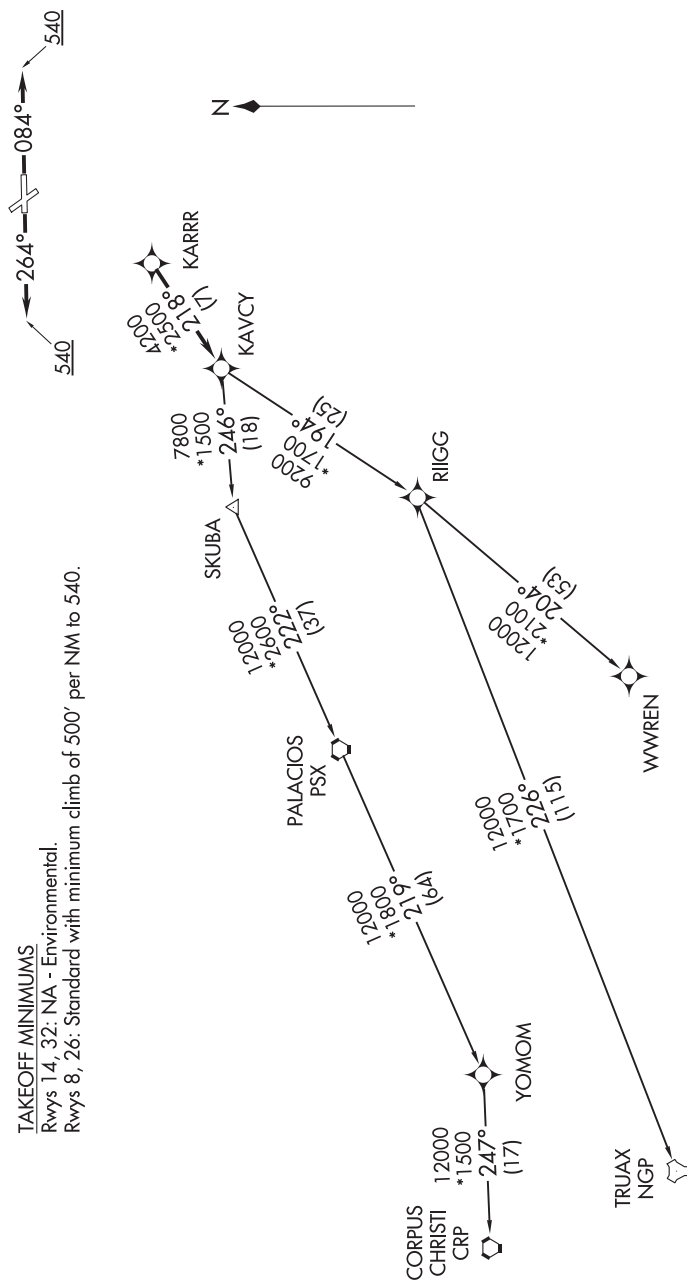
RNAV-1 DME/DME/IRU or GPS.
RADAR required.

CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

## TAKEOFF MINIMUMS

Rwys 14, 32: NA - Environmental.

Rwys 8, 26: Standard with minimum climb of 500' per NM to 540.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540, for RADAR vectors to KARRR, thence. . . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (KARRR7.CRP)
- PALACIOS TRANSITION (KARRR7.PSX)
- TRUAX TRANSITION (KARRR7.NGP)
- WWREN TRANSITION (KARRR7.WWREN)
- YOMOM TRANSITION (KARRR7.YOMOM)

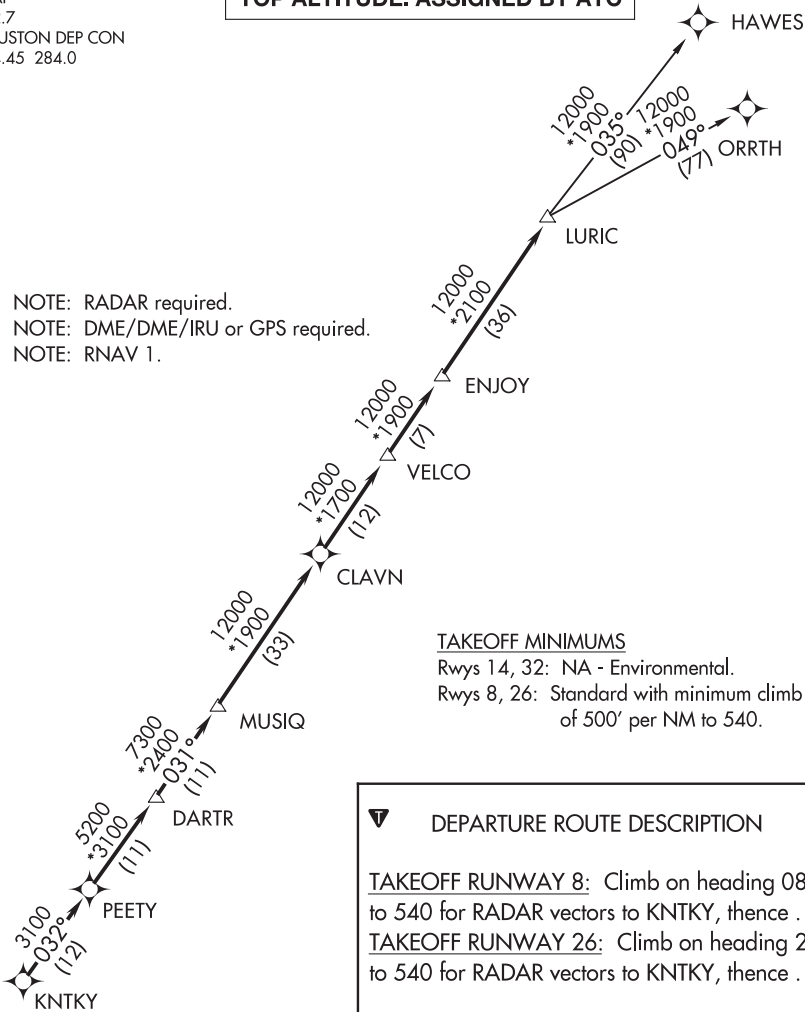
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS  
Rwys 14, 32: NA - Environmental.  
Rwys 8, 26: Standard with minimum climb  
of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 8:** Climb on heading 084° to 540 for RADAR vectors to KNTKY, then . . .  
**TAKEOFF RUNWAY 26:** Climb on heading 264° to 540 for RADAR vectors to KNTKY, then . . .  
. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

HOUSTON DEP CON  
134.45 284.0  
CTAF  
122.7

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

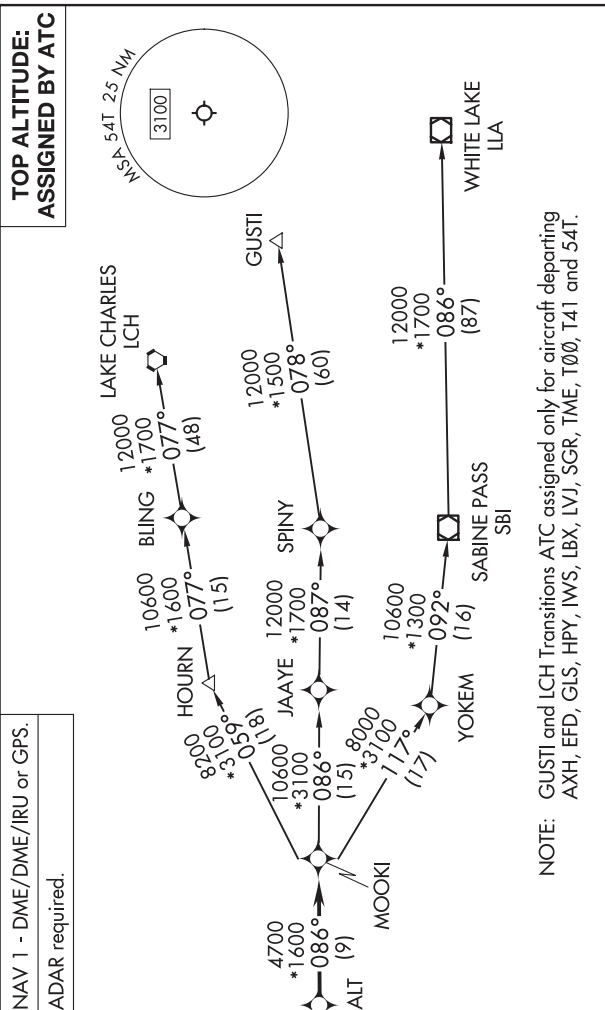
TOP ALTITUDE:  
ASSIGNED BY ATC

MMALT SEVEN DEPARTURE (RNAV)

(MMALT7.MMALT) 23334

AL-6674 (FAA)

RWJ AIRPARK (54T)  
BAYTOWN, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540, for RADAR vectors to MMALT, thence. . . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540, for RADAR vectors to MMALT, thence. . . .  
...on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMALT7.GUSTI)  
LAKE CHARLES TRANSITION (MMALT7.LCH)  
WHITE LAKE TRANSITION (MMALT7.LLA)

TAKEOFF MINIMUMS  
Rwys 14, 32: NA-Environmental.  
Rwys 8, 26: Standard with minimum  
climb of 500'/NM to 540.

NOTE: Chart not to scale.

MMALT SEVEN DEPARTURE (RNAV)

(MMALT7.MMALT) 30NOV23

BAYTOWN, TEXAS  
RWJ AIRPARK (54T)

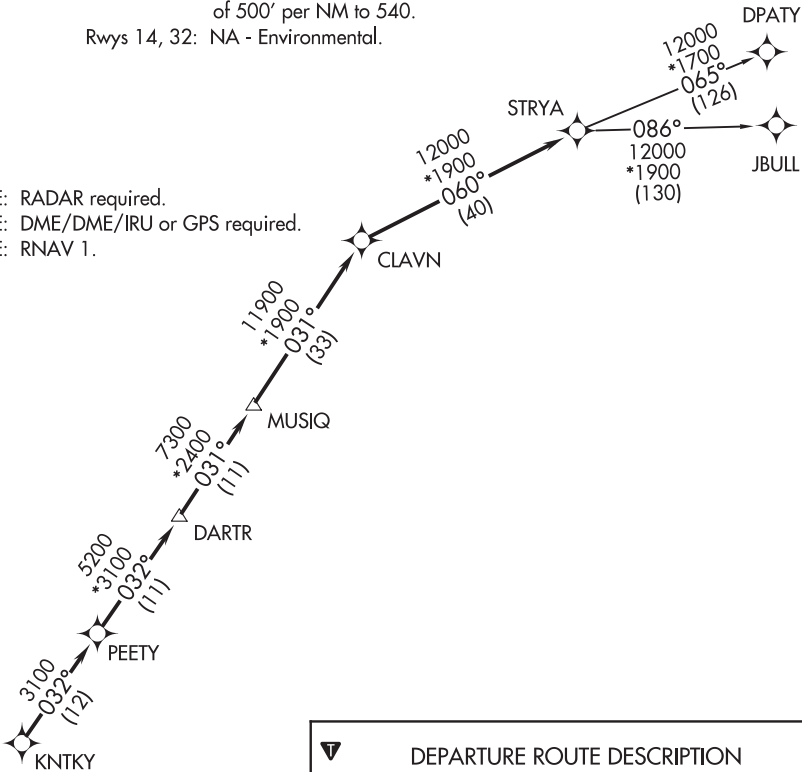
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS

Rwys 8, 26: Standard with minimum climb  
of 500' per NM to 540.  
Rwys 14, 32: NA - Environmental.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

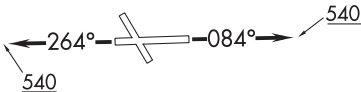


DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540 for RADAR vectors to KNTKY, thence. . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)



NOTE: Chart not to scale.

(STYCK8.STYCK) 21280

AL-6674 (FAA)

RWJ AIRPARK (54T)

## STYCK EIGHT DEPARTURE (RNAV)

BAYTOWN, TEXAS

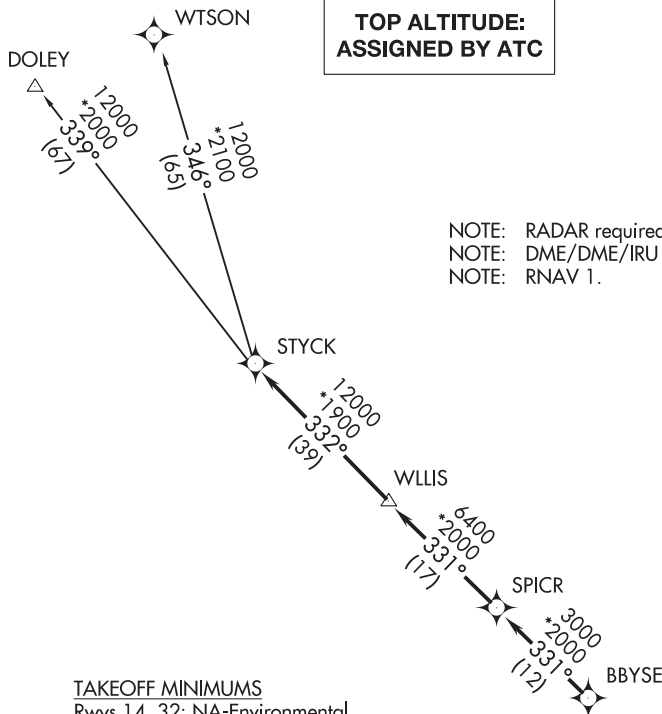
CTAF

122.7

HOUSTON DEP CON

134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**



NOTE: RADAR required.

NOTE: DME/DME/IRU or GPS required.

NOTE: RNAV 1.

TAKEOFF MINIMUMS

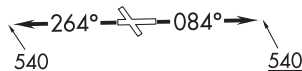
Rwys 14, 32: NA-Environmental.

Rwys 8, 26: Standard with minimum climb of 500' per NM to 540.

## ▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540 for RADAR vectors to BBYSE, thence. . .TAKEOFF RUNWAY 26: Climb on heading 264° to 540 for RADAR vectors to BBYSE, thence. . .

. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)WTSON TRANSITION (STYCK8.WTSON)

NOTE: Chart not to scale.

## STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

BAYTOWN, TEXAS

RWJ AIRPARK (54T)

RNAV 1 - DME/DME/IRU or GPS.

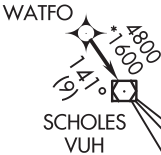
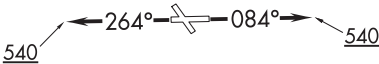
RADAR required.

TOP ALTITUDE:

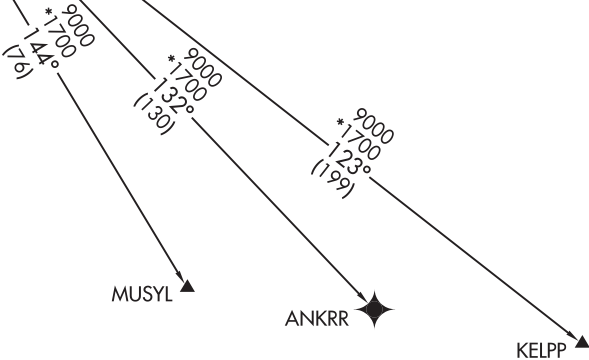
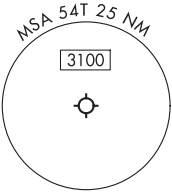
ASSIGNED BY ATC

CTAF  
122.7

HOUSTON DEP CON  
134.45 284.0



TAKEOFF MINIMUMS:  
Rwy 14, 32: NA - Environmental.  
Rwy 8, 26: Standard with minimum climb  
of 500' /NM to 540.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading 084° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAY 26: Climb on heading 264° to 540, for RADAR vectors to WATFO, thence. . . .  
. . . on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)  
KELPP TRANSITION (WATFO6.KELPP)  
MUSYL TRANSITION (WATFO6.MUSYL)

CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

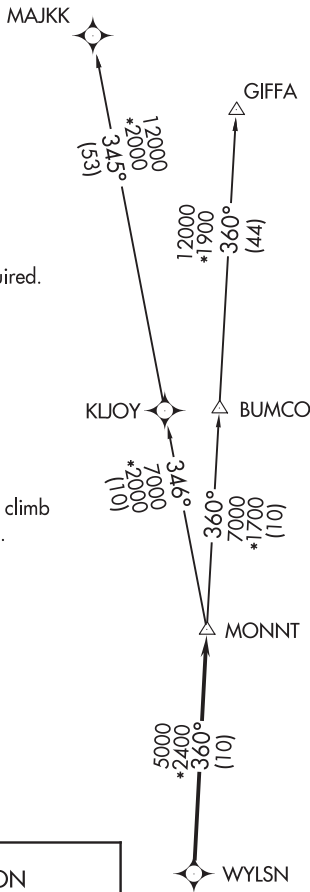
Rwy 8, 26: Standard with minimum climb  
of 500' per NM to 540.  
Rwy 14, 32: NA - Environmental.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb on heading  
084° to 540 for RADAR vectors to WYLSN,  
thence. . . .  
TAKEOFF RUNWAY 26: Climb on heading  
264° to 540 for RADAR vectors to WYLSN,  
thence. . . .  
. . . .on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.



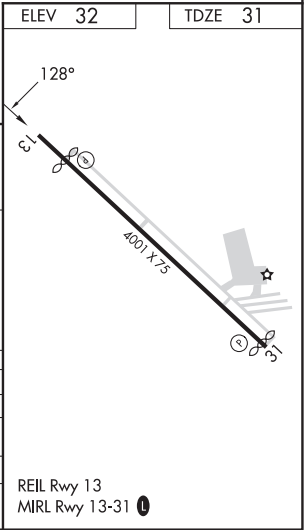
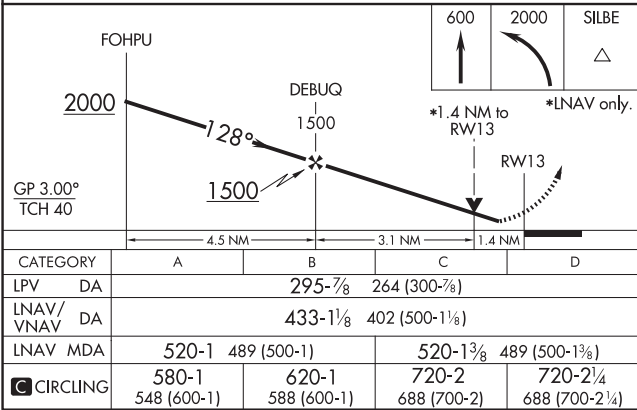
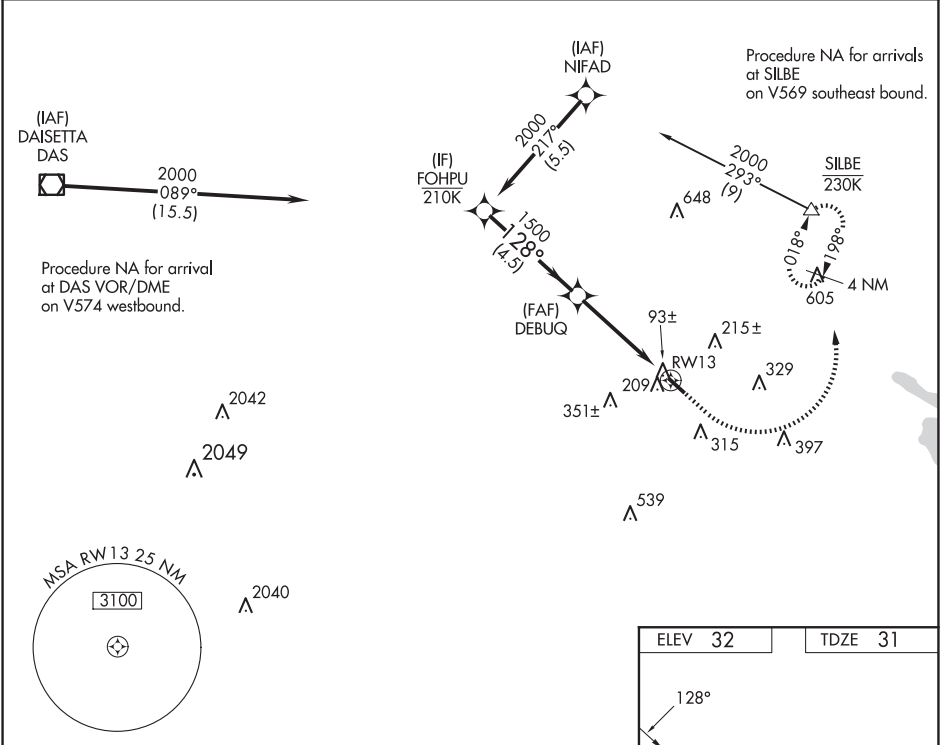
WAAS CH <b>49141</b> <b>W13A</b>	APP CRS <b>128°</b>	Rwy Idg <b>3668</b> TDZE <b>31</b> Apt Elev <b>32</b>
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RNAV (GPS) RWY 13

BEAUMONT MUNI (BMT)

RNP APCH GPS.	MISSED APPROACH: (Do not exceed 230K until SILBE) Climb to 600 then climbing left turn to 2000 direct SILBE and hold.
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. Circling Rwy 31 NA at night. Rwy 13 helicopter visibility reduction below ¾ SM NA.	

AWOS-3PT <b>118.425</b>	HOUSTON APP CON <b>121.3 377.1</b>	CLNC DEL <b>121.75</b>	UNICOM <b>123.0</b> (CTAF) <b>1</b>
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

BEAUMONT, TEXAS




AL-42 (FAA)

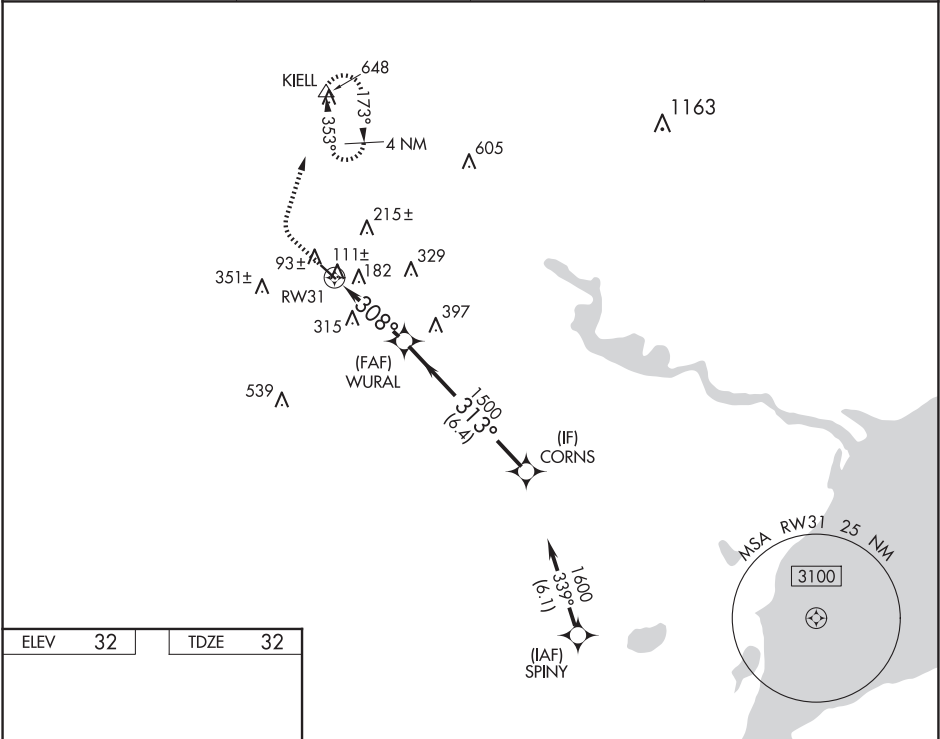
24081

WAAS CH <b>58241</b> <b>W31A</b>	APP CRS <b>308°</b>	Rwy Idg TDZE Apt Elev	<b>3934</b> <b>32</b> <b>32</b>
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RNAV (GPS) RWY 31

BEAUMONT MUNI (BMT)

RNP APCH - GPS.		MISSED APPROACH: Climb to 500 then climbing right turn to 2000 direct KIELL and hold, continue to climb-in-hold to 2000.	
	Rwy 31 helicopter visibility reduction below 1 SM NA.		
	Straight-in Rwy 31 NA at night, Circling Rwy 31 NA at night.		
AWOS-3PT <b>118.425</b>	HOUSTON APP CON <b>121.3 377.1</b>	CLNC DEL <b>121.75</b>	UNICOM <b>123.0</b> (CTAF) 



REIL Rwy 13  
MRL Rwy 13-31

				KIELL 	
				CORNS 1600	
RW31		WURAL			
		308°		313°	
		1500			
		4.00° TCH 40			
		3.4 NM		6.4 NM	
CATEGORY		A		B	
LP MDA		380-1		348 (400-1)	
LNAV MDA		500-1		468 (500-1)	
CIRCLING		580-1 548 (600-1)		620-1 588 (600-1)	

BEAUMONT, TEXAS  
Amdt 2 21MAR24

30°04'N-94°13'W

BEAUMONT MUNI (BMT)

RNAV (GPS) RWY 31

LOC/DME I-BPT	APP CRS	Rwy Idg	6508
110.15	120°	TDZE	15
Chan 38(Y)		Apt Elev	15

ILS or LOC RWY 12

JACK BROOKS RGNL (BPT)

DME or RADAR required.

▼

▲

Helicopter visibility reduction below RVR 4000 NA. Inop table does not apply to S-ILS 12.

When local altimeter setting not received use Orange County altimeter setting: increase S-ILS 12 DA to 297 feet; increase all MDAs 40 feet. COUGS fix minimums: increase S-LOC 12 visibility Cat C/D/E to RVR 5000. For inop ALS, increase S-LOC visibility Cat A to RVR 5500 and Cat C/D/E to 2½ SM. COUGS fix minimums: increase S-LOC visibility Cat A/B to RVR 5500 and Cat E to 1½ SM. For inop ALS when using Orange County altimeter setting, increase S-ILS 12 all Cats visibility to RVR 4500, S-LOC 12 visibility Cat A to RVR 5500 and Cat C/D/E to 2½ SM. COUGS fix minimums: increase S-LOC 12 visibility Cat A/B to RVR 5500 and Cat C/D/E to 1½ SM. VDP NA when using Orange County altimeter setting.

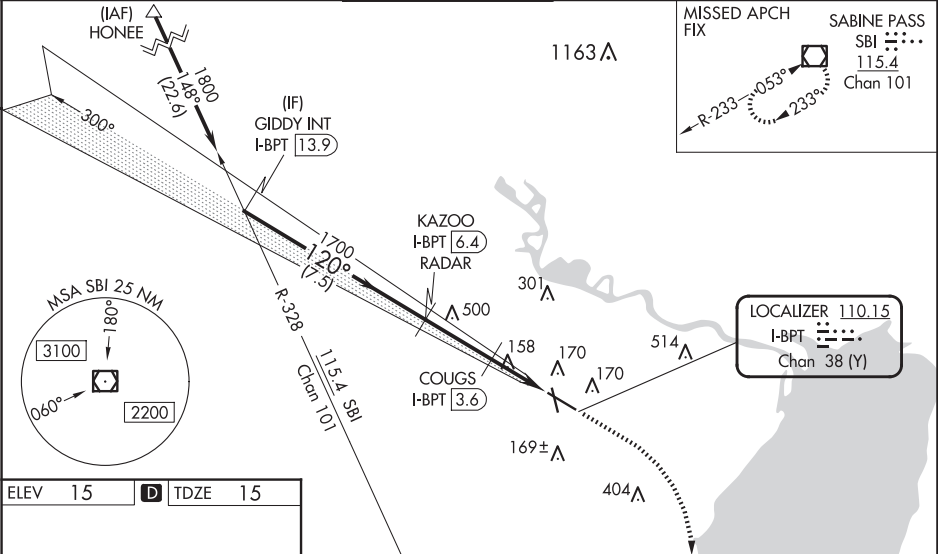
\*RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using Orange County altimeter setting.

MALS R

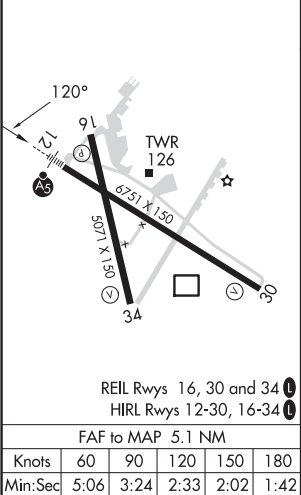
AS

MISSED APPROACH:  
Climb to 500 then climbing right turn to 3000 direct SBI VOR/DME and hold.

ATIS	HOUSTON APP CON	BEAUMONT TOWER*	GND CON	CLNC DEL	UNICOM
126.3	121.3 377.1	119.5 (CTAF) 0	124.85	118.3	122.95



ELEV	15	D	TDZE	15
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Use I-BPT DME when on the localizer course.					
500 3000 SBI					
GIDDY INT I-BPT 13.9 KAZOO I-BPT 6.4 COUGS I-BPT 3.6					
1800 1700 820 1700 120 1700 120 1700 120					
GS 3.00° TCH 52 7.5 NM 2.8 NM 1.1 NM 1.2 NM					
CATEGORY	A	B	C	D	E
S-ILS 12*	265/40 250 (300-¾)				
S-LOC 12	820/40	805 (900-¾)	820-1½	805 (900-1½)	
COUGS FIX MINIMUMS (DME REQUIRED)					
S-LOC 12	460/40	445 (500-¾)	460/45	445 (500-¾)	

BEAUMONT/PORT ARTHUR, TEXAS

AL-521 (FAA)

24081

WAAS CH <b>99715</b> <b>W12A</b>	APP CRS <b>120°</b>	Rwy Idg TDZE Apt Elev	<b>6508</b> <b>15</b> <b>15</b>
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# RNAV (GPS) RWY 12

JACK BROOKS RGNL (BPT')

RNP APCH - GPS.

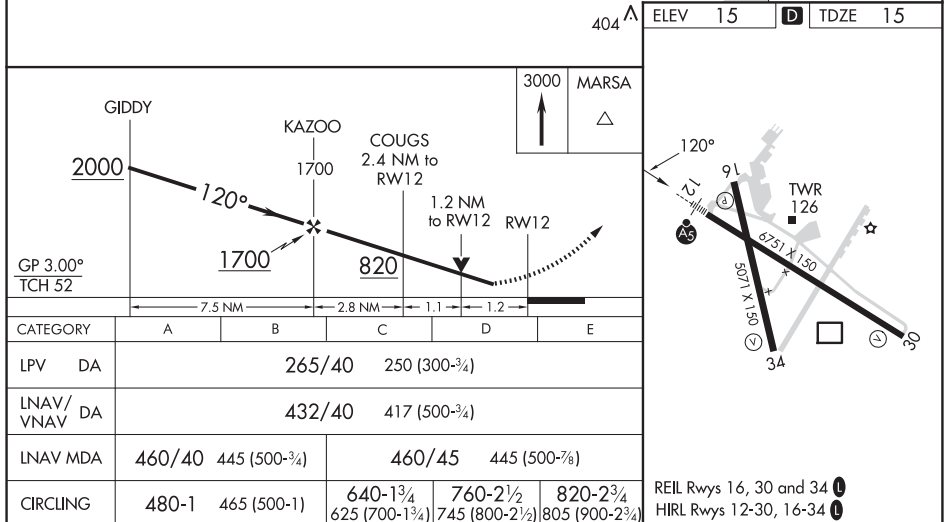
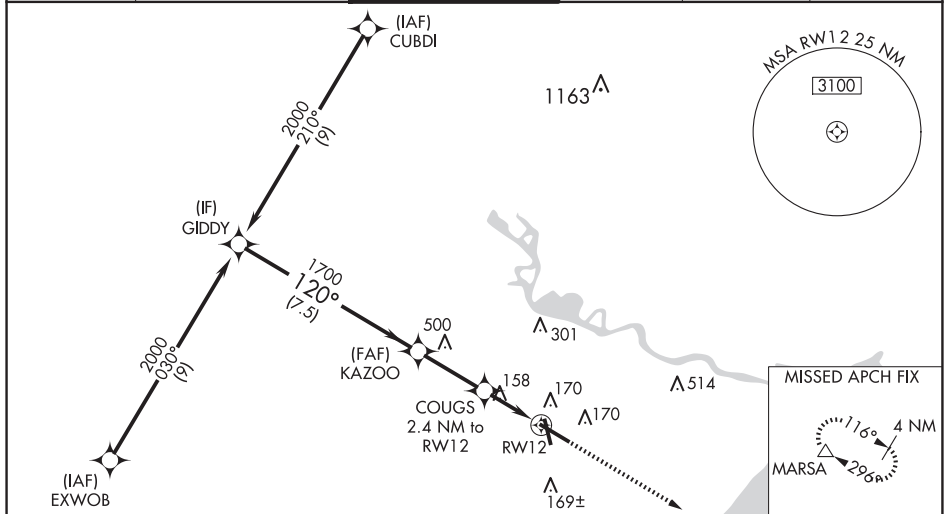
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C or above 54°C. Baro-VNAV and VDP NA when using Orange County altimeter setting. Rwy 12 helicopter visibility reduction below RVR 4000 NA. When local altimeter setting not received, use Orange altimeter setting: increase LPV DA to 297 feet; increase LNAV/VNAV DA to 464 feet and all visibilities to RVR 4500; increase all MDAs 40 feet and LNAV visibility Cat C/D/E to RVR 5000 and Circling visibility Cat E ¼ SM. Inop table does not apply to LPV. For inop ALS, increase LNAV/VNAV visibility all Cats to RVR 6000; LNAV Cats A/B to RVR 5500, Cat E to 1½ SM. For inop ALS when using Orange County altimeter setting, increase LPV all Cats visibility to RVR 4500, LNAV/VNAV visibility Cat E to 1½ SM; and increase LNAV visibility Cats A/B to RVR 5500, Cats C/D/E 1½ SM.

MALSR



MISSED APPROACH:  
Climb to 3000 direct  
MARSA and hold.

ATIS <b>126.3</b>	HOUSTON APP CON <b>121.3 377.1</b>	BEAUMONT TOWER★ <b>119.5</b> (CTAF) <b>1</b>	GND CON <b>124.85</b>	CLNC DEL <b>118.3</b>	UNICOM <b>122.95</b>
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BEAUMONT/PORT ARTHUR, TEXAS

Amdt 1 25JAN24

29°57'N-94°01'W

JACK BROOKS RGNL (BPT')

# RNAV (GPS) RWY 12

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>82316</b> <b>W16A</b>	APP CRS <b>165°</b>	Rwy Idg <b>5070</b> TDZE <b>15</b> Apt Elev <b>15</b>
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RNAV (GPS) RWY 16

JACK BROOKS RGNL (BPT)

RNP APCH - GPS.

▼

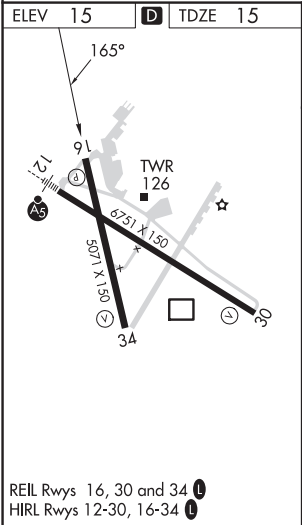
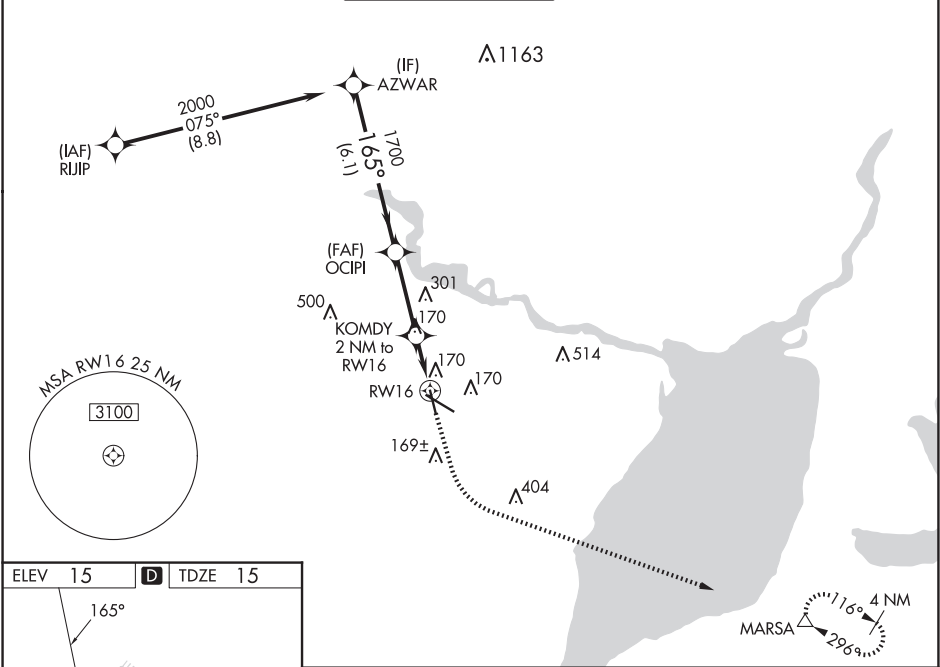
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C or above 54°C.

▲

Baro-VNAV and VDP NA when using Orange County altimeter setting. Rwy 16 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Orange County altimeter setting: increase LPV DA to 307 feet and all visibilities ¼ SM; increase LNAV/VNAV DA to 363 feet and all visibilities ½ SM; increase all MDAs 40 feet and LNAV visibility Cat C/D/E ¼ SM.

MISSED APPROACH: Climb to 500 then climbing left turn to 3000 direct MARSA and hold.

ATIS <b>126.3</b>	HOUSTON APP CON <b>121.3 377.1</b>	BEAUMONT TOWER ★ <b>119.5 (CTAF) 0</b>	GND CON <b>124.85</b>	CLNC DEL <b>118.3</b>	UNICOM <b>122.95</b>
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<div><div>500</div><div>3000</div><div>MARSA</div></div>					
<div><div>AZWAR</div><div>2000</div><div>OCIPI</div><div>1700</div><div>KOMDY</div><div>2 NM to RW16</div><div>1.1 NM to RW16</div><div>1.1 NM</div><div>GP 3.00°</div><div>TCH 53</div><div>6.1 NM</div><div>3.1 NM</div><div>0.9 NM</div><div>1.1 NM</div></div>					
CATEGORY	A	B	C	D	E
LPV DA	275-¾		260 (300-¾)		
LNAV/VNAV DA	331-⅞		316 (400-⅞)		
LNAV MDA	420-1 405 (500-1)		420-1⅛ 405 (500-1⅛)		

WAAS CH <b>69216</b> <b>W30A</b>	APP CRS <b>300°</b>	Rwy Idg TDZE <b>12</b> Apt Elev <b>15</b>	<b>6751</b>
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RNAV (GPS) RWY 30

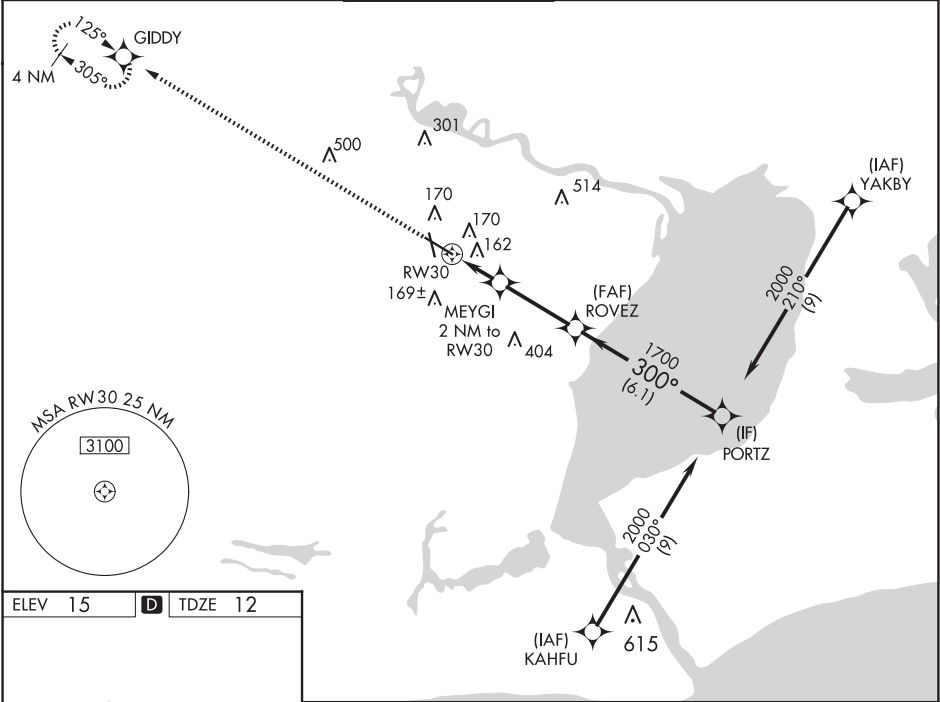
JACK BROOKS RGNL (BPT')

RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C or above 54°C. Rwy 30 helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Orange County altimeter setting. When local altimeter setting not received, use Orange County altimeter setting: increase LPV DA to 294 feet and all visibilities ½ SM. Increase LNAV/VNAV DA to 355 feet and all visibilities ½ SM. Increase all MDAs 40 feet and LNAV visibility Cat C/D/E ¼ SM.

MISSED APPROACH:  
Climb to 3100 direct  
GIDDY and hold,  
continue climb-in-hold  
to 3100.

ATIS <b>126.3</b>	HOUSTON APP CON <b>121.3 377.1</b>	BEAUMONT TOWER * <b>119.5 (CTAF)</b>	GND CON <b>124.85</b>	CLNC DEL <b>118.3</b>	UNICOM <b>122.95</b>
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ELEV 15

D

TDZE 12

91

121

6751 X 150

5071 X 150

34

30



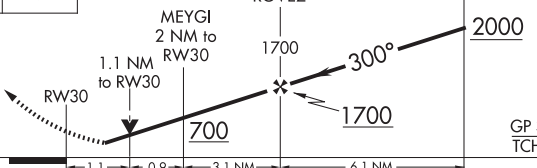
300°

TWR 126

AS

REIL Rws 16, 30 and 34

HIRL Rws 12-30, 16-34

3100	GIDDY					
						
						
CATEGORY		A	B	C	D	E
LPV	DA	262-¾		250 (300-¾)		
LNAV/ VNAV	DA	323-7/8		311 (400-7/8)		
LNAV	MDA	420-1	408 (500-1)	420-1½		408 (500-1½)

WAAS CH <b>72616</b> <b>W34A</b>	APP CRS <b>345°</b>	Rwy Idg TDZE Apt Elev	<b>5070</b> <b>14</b> <b>15</b>
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RNAV (GPS) RWY 34

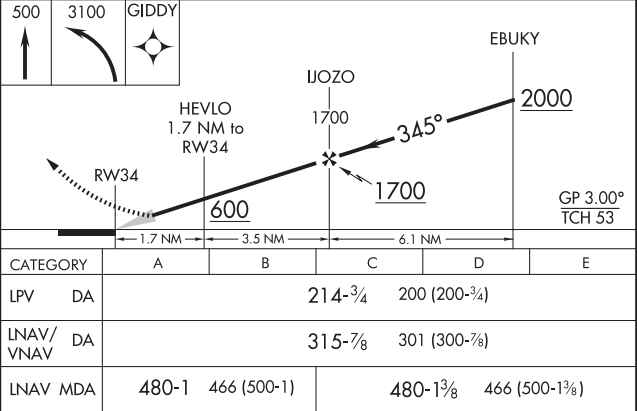
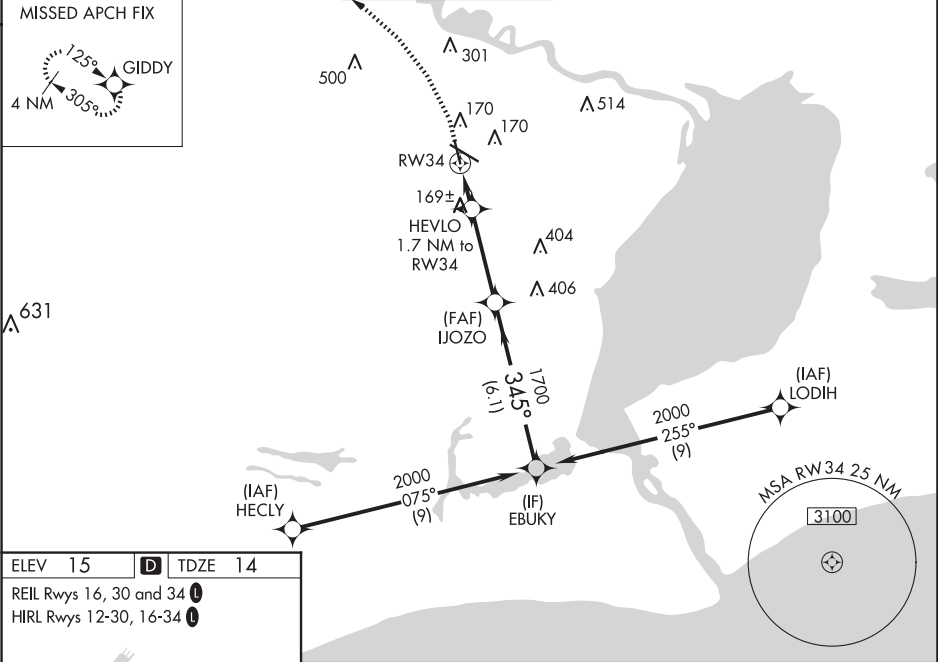
JACK BROOKS RGNL (BPT)

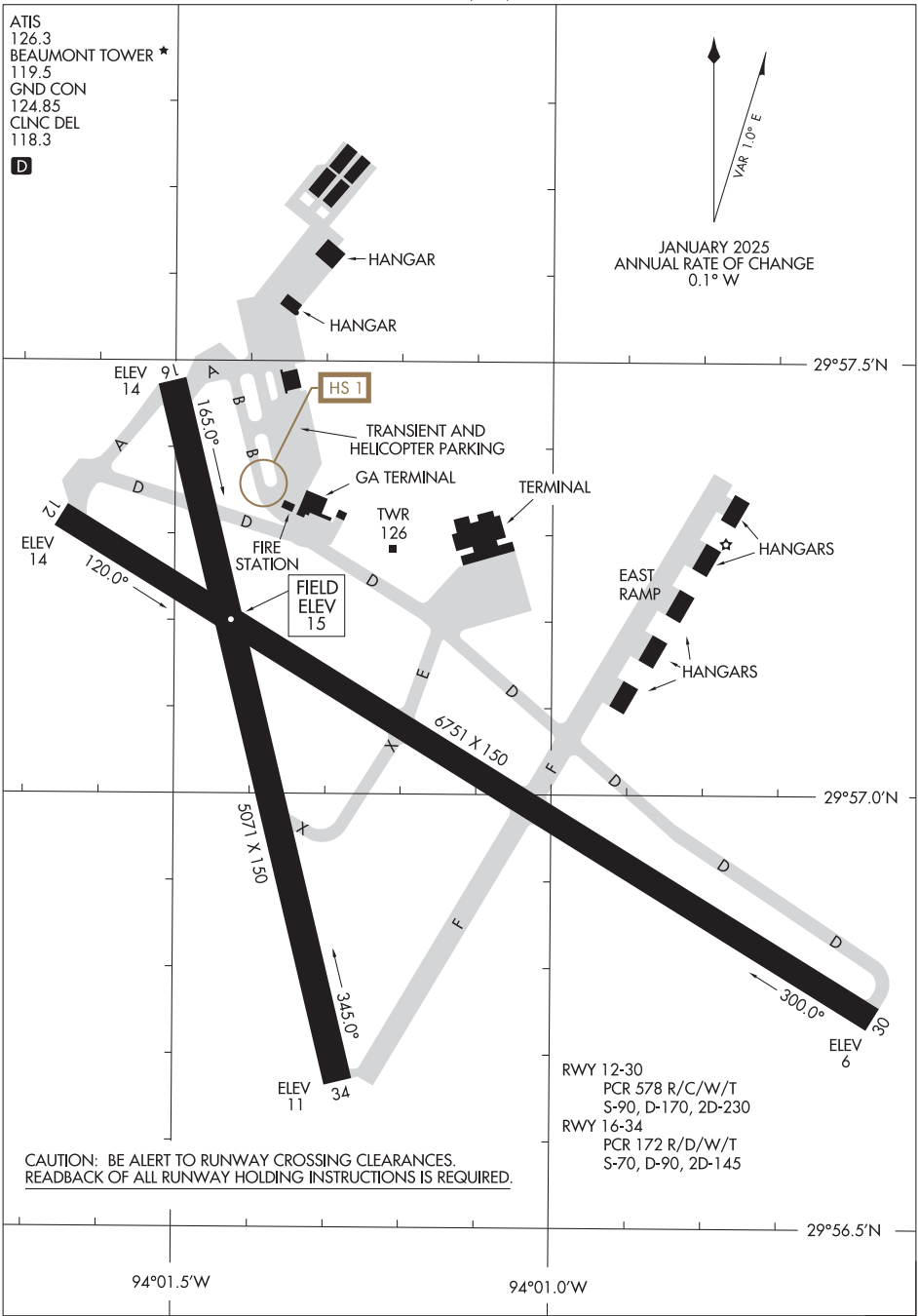
RNP APCH - GPS.

Baro-VNAV NA when using Orange County altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C or above 54°C. When local altimeter setting not received, use Orange County altimeter setting: increase LPV DA to 346 feet; increase LNAV/VNAV DA to 347 feet and all visibilities ½ SM; increase all MDAs 40 feet.

MISSED APPROACH: Climb to 500 then climbing left turn to 3100 direct GIDDY and hold, continue climb-in-hold to 3100.

ATIS <b>126.3</b>	HOUSTON APP CON <b>121.3 377.1</b>	BEAUMONT TOWER★ <b>119.5 (CTAF)</b> <b>0</b>	GND CON <b>124.85</b>	CLNC DEL <b>118.3</b>	UNICOM <b>122.95</b>
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



WAAS CH <b>86316</b> <b>W16A</b>	APP CRS <b>165°</b>	Rwy Idg TDZE <b>318</b> Apt Elev <b>318</b>
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RNAV (GPS) RWY 16

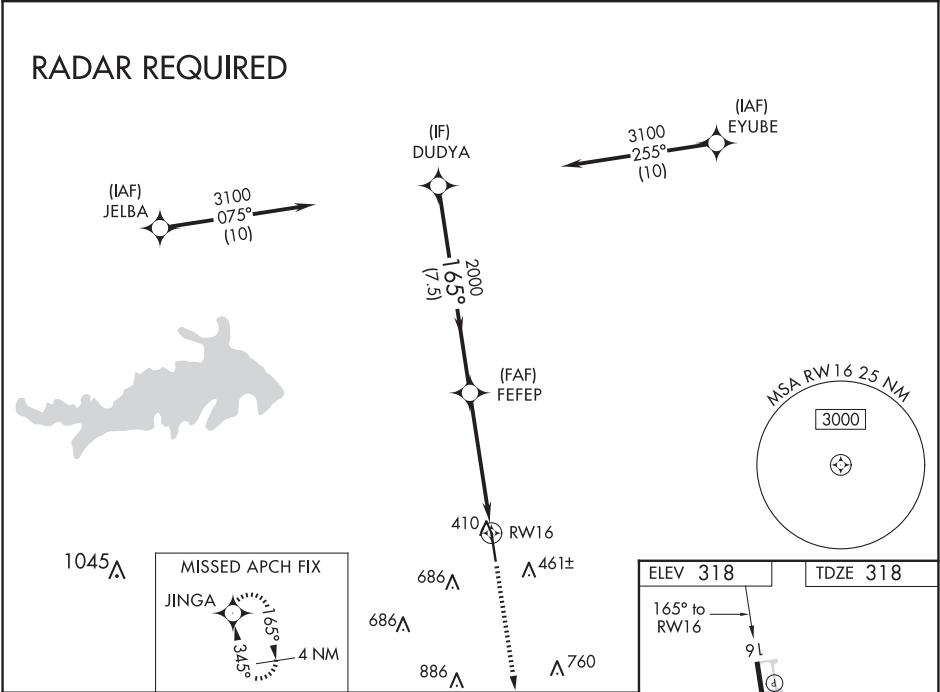
BRENHAM MUNI (11R)

RNP APCH.

Rwly 16 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 37°C. When local altimeter setting not received, use College Station altimeter setting and increase all DA 52 feet, and all MDA 60 feet, increase LPV and LNAV/VNAV all Cats and LNAV Cats C/D visibility ¼ SM. VDP and Baro-VNAV NA with College Station altimeter setting.

MISSED APPROACH: Climb to 2200 direct JINGA and hold.

AWOS-3 <b>121.125</b>	HOUSTON APP CON <b>134.3 360.85</b>	UNICOM <b>123.075 (CTAF) 1</b>
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DUDYA 3100

FEFEP 2000

RW16 2200

JINGA

GP 3.00° TCH 45

165°

1.7 NM to RW16

\*LNAV Only.

7.5 NM 3.4 NM 1.7 NM

CATEGORY	A	B	C	D
LPV DA	594-7/8		276 (300-7/8)	
LNAV/VNAV DA	680-1 1/4		362 (400-1 1/4)	
LNAV MDA	880-1	562 (600-1)	880-1 5/8	562 (600-1 5/8)

MIRL Rwy 16-34 1  
REIL Rwy 16 and 34

BRENNHAM, TEXAS

AL-6271 (FAA)

19311

WAAS CH <b>77616</b> <b>W34A</b>	APP CRS <b>345°</b>	Rwy Idg TDZE <b>269</b> Apt Elev <b>318</b>	<b>6003</b>
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RNAV (GPS) RWY 34

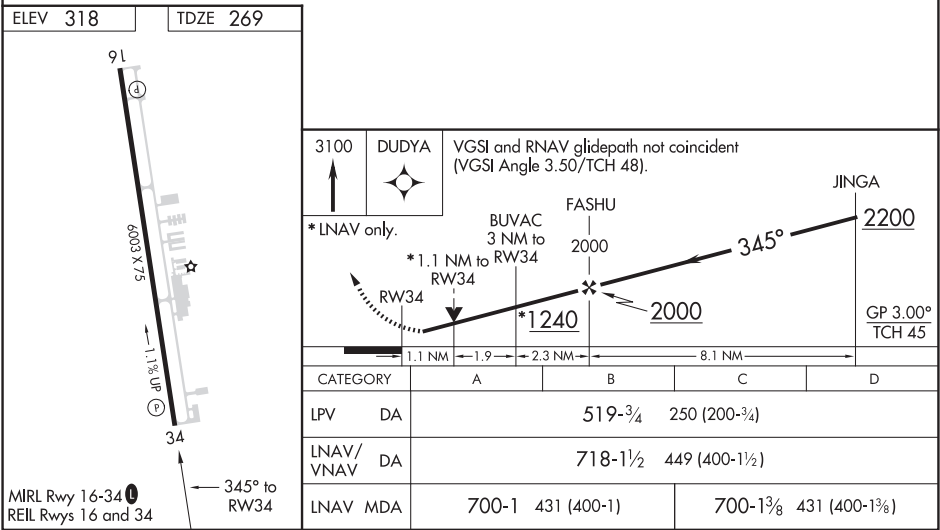
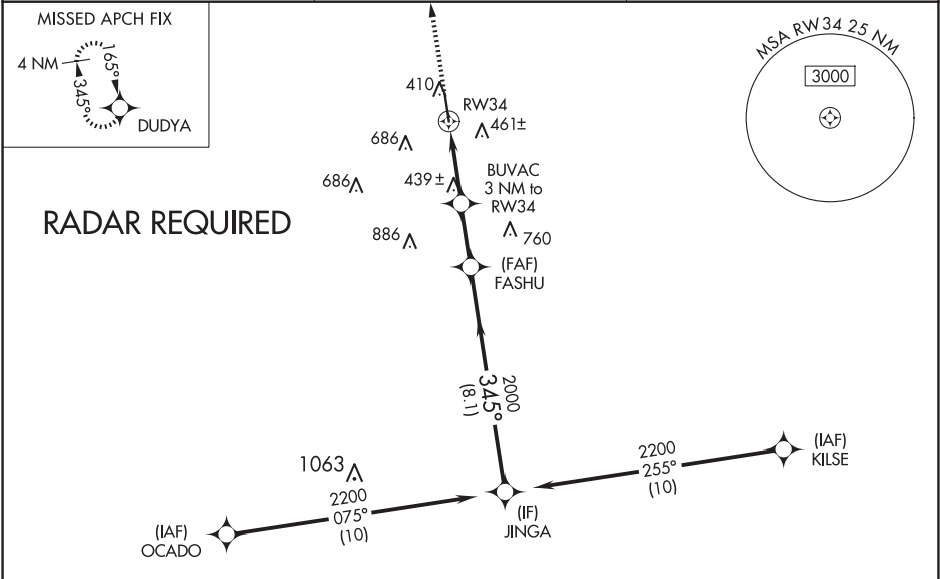
BRENNHAM MUNI (11R)

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 37°C. Rwy 34 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use College Station altimeter setting and increase all DA 52 feet, and all MDA 60 feet; increase LPV and LNAV/VNAV all Cats visibility ¼ SM. VDP and Baro-VNAV NA with College Station altimeter setting.

MISSED APPROACH: Climb to 3100 direct DUDYA and hold.

AWOS-3 <b>121.125</b>	HOUSTON APP CON <b>134.3 360.85</b>	UNICOM <b>123.075 (CTAF) 0</b>
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BRENNHAM, TEXAS  
Amdt 2B 07NOV19

30°13'N-96°22'W

BRENNHAM MUNI (11R)

RNAV (GPS) RWY 34

SC-5, 07 AUG 2025 to 02 OCT 2025

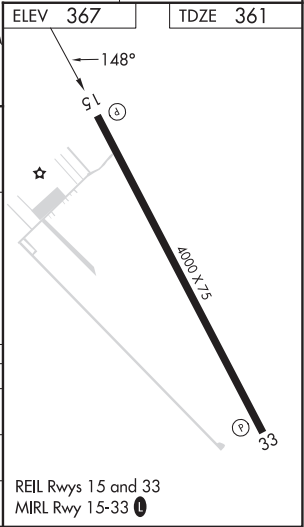
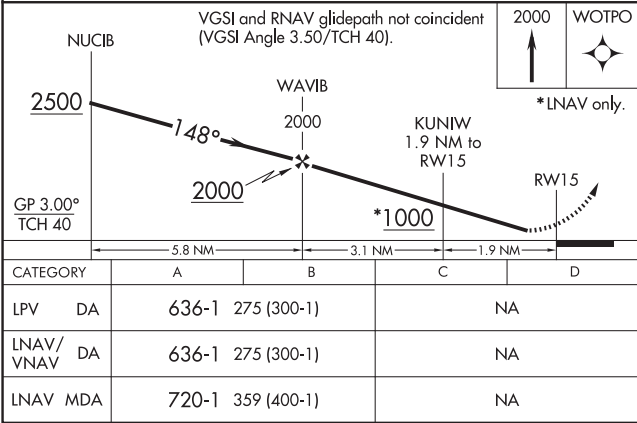
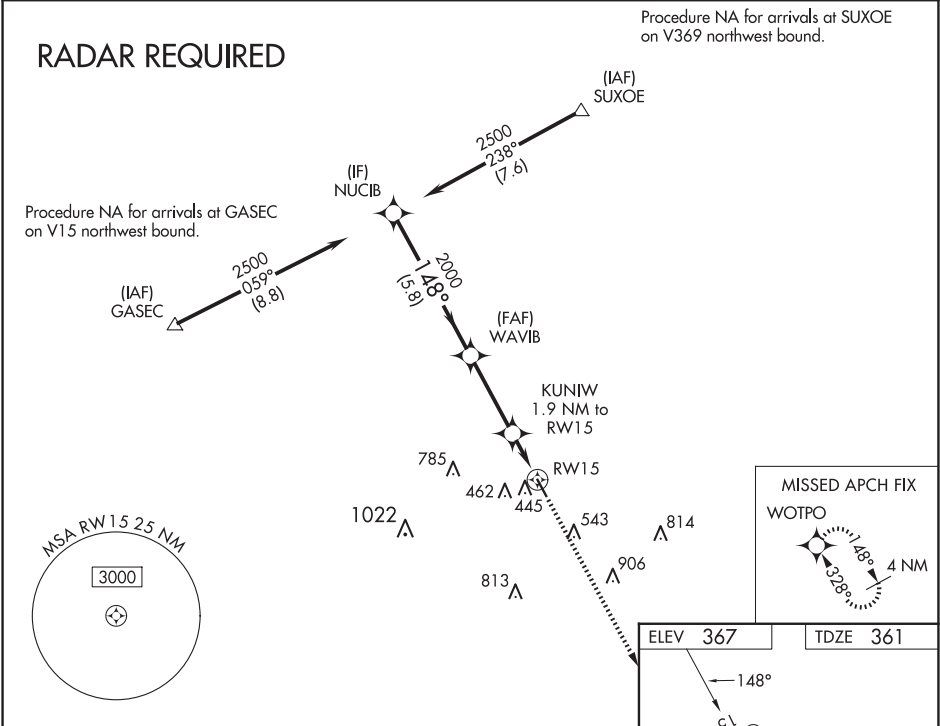
SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>69403</b> <b>W15A</b>	APP CRS <b>148°</b>	Rwy Idg TDZE <b>361</b> Apt Elev <b>367</b>
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RNAV (GPS) RWY 15

COULTER FLD (CFD)

RNP APCH. Baro-VNAV NA. Rwy 15 helicopter visibility reduction below ¾ SM NA. Use College Station altimeter setting; when not received, use Caldwell altimeter setting and increase all DA 31 feet and all MDA 40 feet.		MISSED APPROACH: Climb to 2000 direct WOTPO and hold.	
AWOS-3PT <b>125.975</b>	CLL ASOS <b>126.85</b>	HOUSTON APP CON <b>134.3 360.85</b>	UNICOM <b>123.0 (CTAF)</b>



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

BRYAN, TEXAS

AL-6276 (FAA)

25107

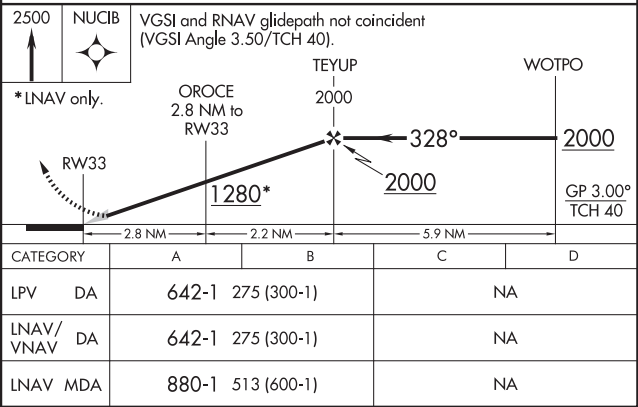
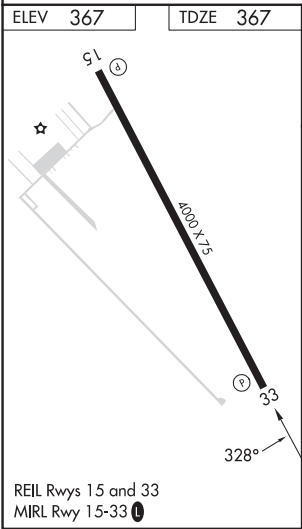
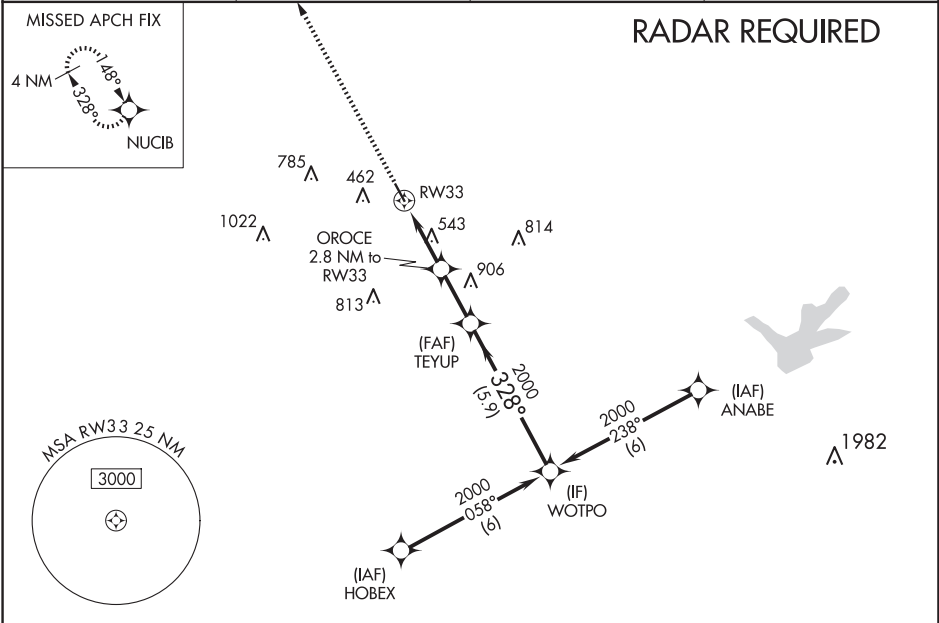
WAAS CH <b>70603</b> <b>W33A</b>	APP CRS <b>328°</b>	Rwy Idg TDZE Apt Elev	<b>4000</b> <b>367</b> <b>367</b>
--	------------------------	-----------------------------	---

RNAV (GPS) RWY 33

COULTER FLD (CFD)

RNP APCH.	MISSED APPROACH: Climb to 2500 direct NUCIB and hold.
Baro-VNAV NA. Use College Station altimeter setting; when not received, use Caldwell altimeter setting and increase all DA 31 feet and all MDA 40 feet.	

AWOS-3PT <b>125.975</b>	CLL ASOS <b>126.85</b>	HOUSTON APP CON <b>134.3 360.85</b>	UNICOM <b>123.0 (CTAF) 0</b>
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BRYAN, TEXAS  
Amdt 1B 07NOV19

30°43'N-96°20'W

COULTER FLD (CFD)

RNAV (GPS) RWY 33

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

APP CRS  
**146°**

Rwy Idg  
**3252**

TDZE  
**391**

Apt Elev  
**391**

**RNAV (GPS) RWY 15**

CALDWELL MUNI (RWV)

RNP APCH - GPS.

RADAR required.

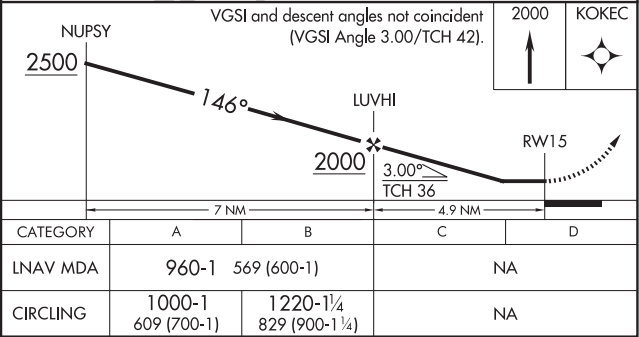
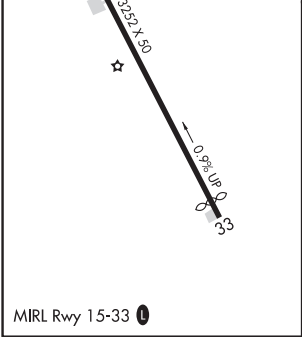
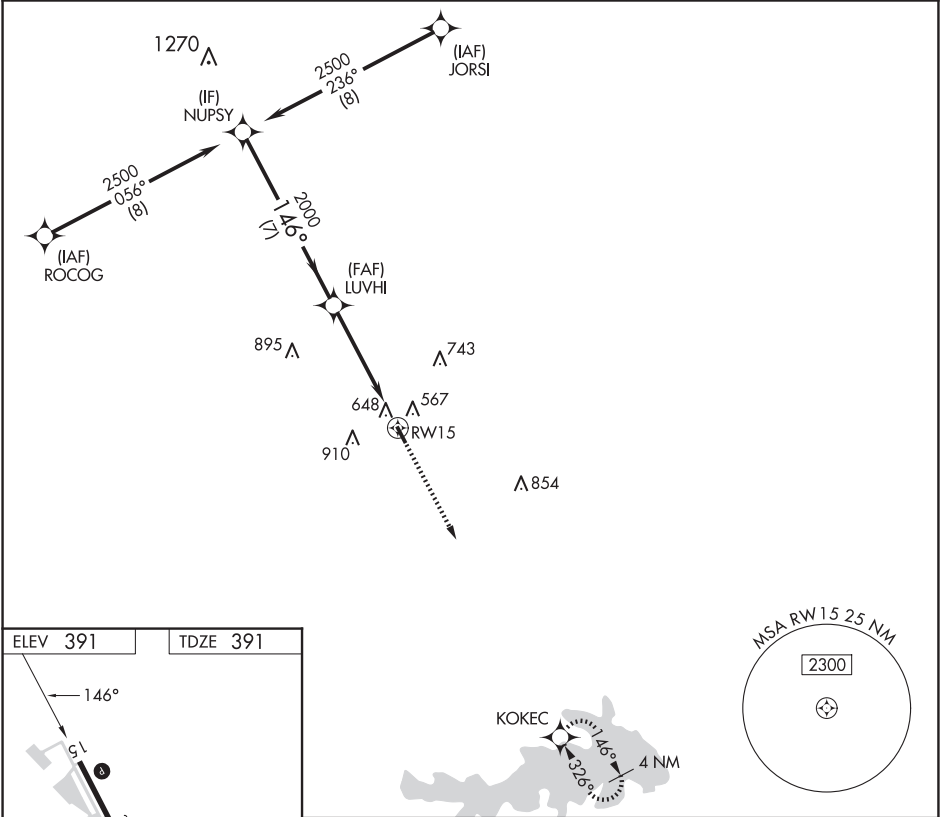
▼

▲

When local altimeter setting not received, use College Station altimeter setting and increase all MDA 60 feet. Circling NA east of Rwy 15-33. Procedure NA at night. Rwy 15 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2000 direct KOKEC and hold.

AWOS-3PT <b>118.35</b>	HOUSTON APP CON <b>134.3 360.85</b>	CTAF <b>122.9</b>
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CALDWELL, TEXAS

AL-6743 (FAA)

23278

APP CRS	Rwy Idg	3010
326°	TDZE	390
	Apt Elev	391

RNAV (GPS) RWY 33

CALDWELL MUNI (RWV)

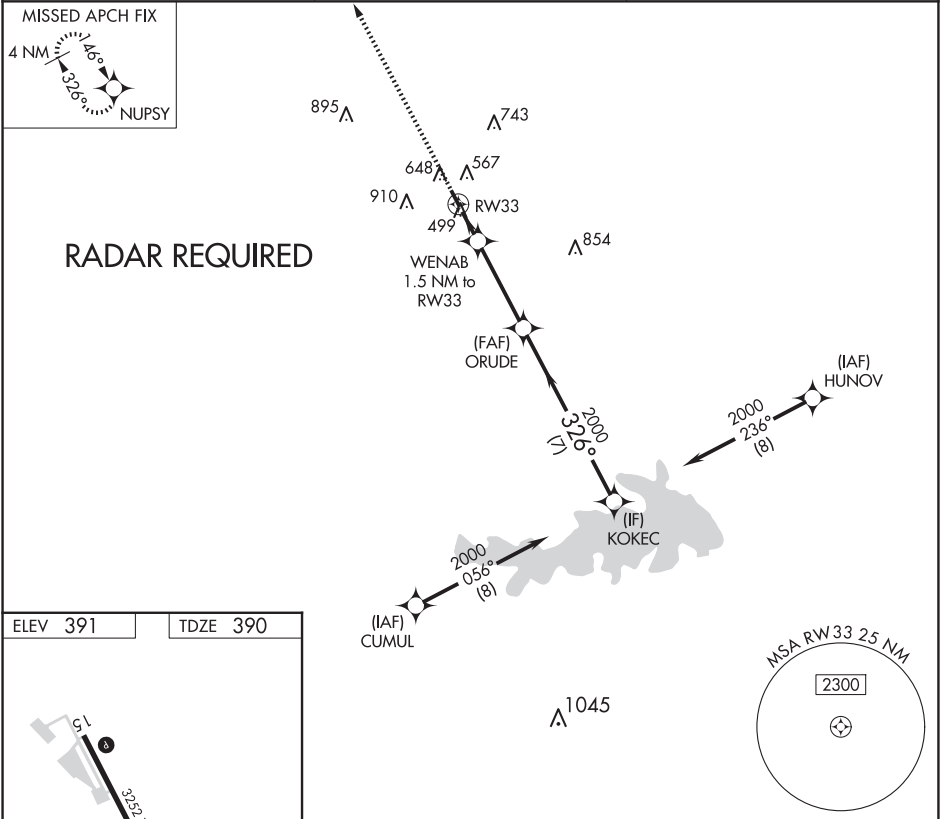
⚠

When local altimeter setting not received, use College Station altimeter setting and increase all MDA 60 feet. Circling NA east of Rwy 15-33. DME/DME RNP-0.3 NA. Procedure NA at night. Rwy 33 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH:

Climb to 2500 direct NUPSY and hold.

AWOS-3PT 118.35	HOUSTON APP CON 134.3 360.85	CTAF 122.9
--------------------	---------------------------------	---------------



ELEV 391

TDZE 390

51

3232-X-50

0.9% UP 0.3

326°

MIRL Rwy 15-33

2500

NUPSY

WENAB

1.5 NM to RW33

ORUDE

KOKEC

RW33

920

3.24°

TCH 40

1.5 NM

3.5 NM

7 NM

2000

326°

2000

CATEGORY	A	B	C	D
LNAV MDA	760-1	370 (400-1)	NA	
CIRCLING	1000-1 609 (700-1)	1220-1¼ 829 (900-1¼)	NA	

CALDWELL, TEXAS  
Orig-C 30DEC21

30°31'N-96°42'W

CALDWELL MUNI (RWV)

RNAV (GPS) RWY 33

SC-5, 07 AUG 2025 to 02 OCT 2025

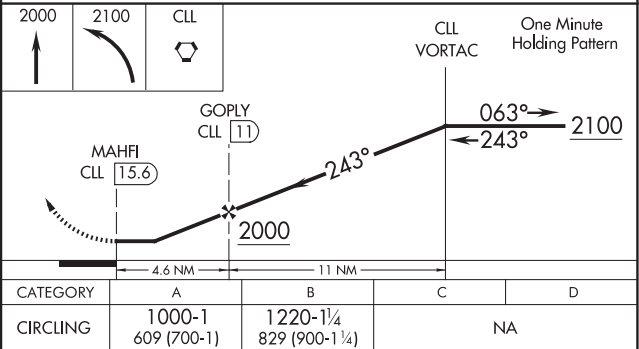
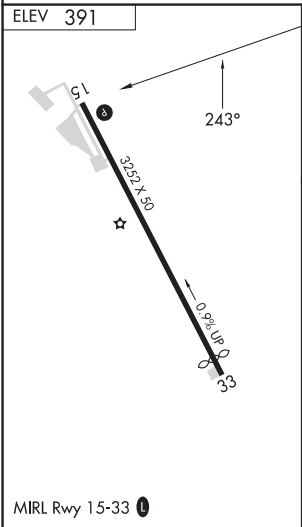
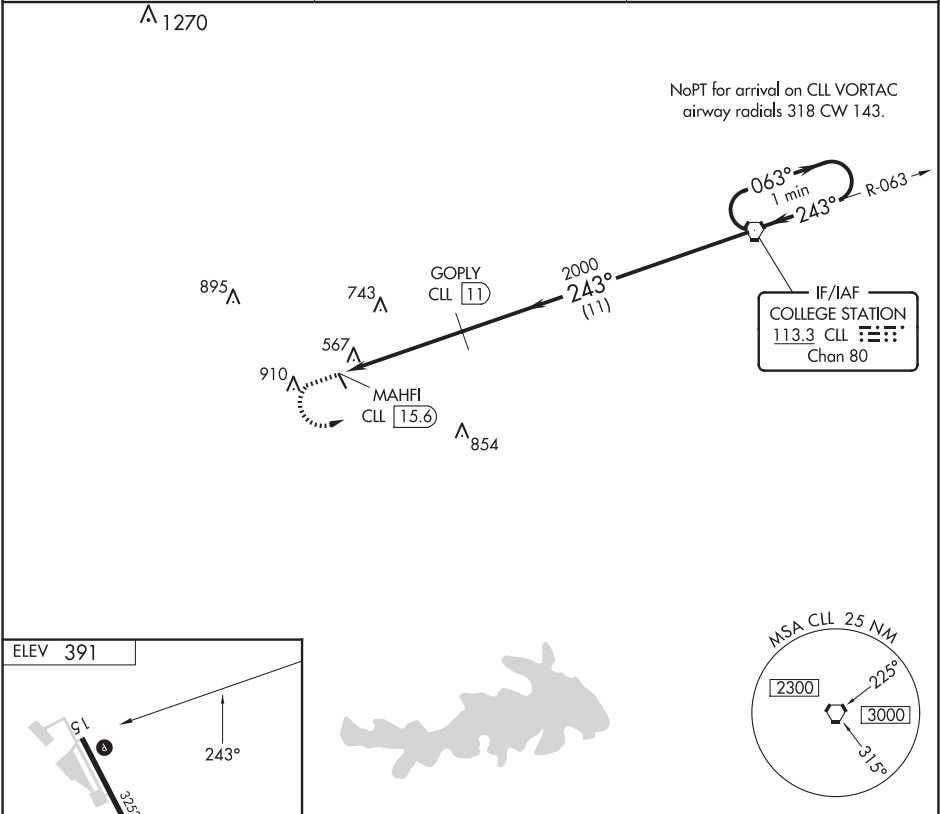
SC-5, 07 AUG 2025 to 02 OCT 2025

VORTAC CLL	APP CRS	Rwy Idg	N/A
113.3	243°	TDZE	N/A
Chan 80		Apt Elev	391

VOR/DME-A  
CALDWELL MUNI (RWV)

<p><b>⚠</b> When local altimeter setting not received, use College Station altimeter setting and increase MDA 60 feet. Circling NA east of Rwy 15-33. Procedure NA at night.</p>	<p>MISSED APPROACH: Climb to 2000 then climbing left turn to 2100 direct CLL VORTAC and hold.</p>
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AWOS-3PT 118.35	HOUSTON APP CON 134.3 360.85	CTAF 122.9 <b>0</b>
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CENTER, TEXAS

AL-6632 (FAA)

21224

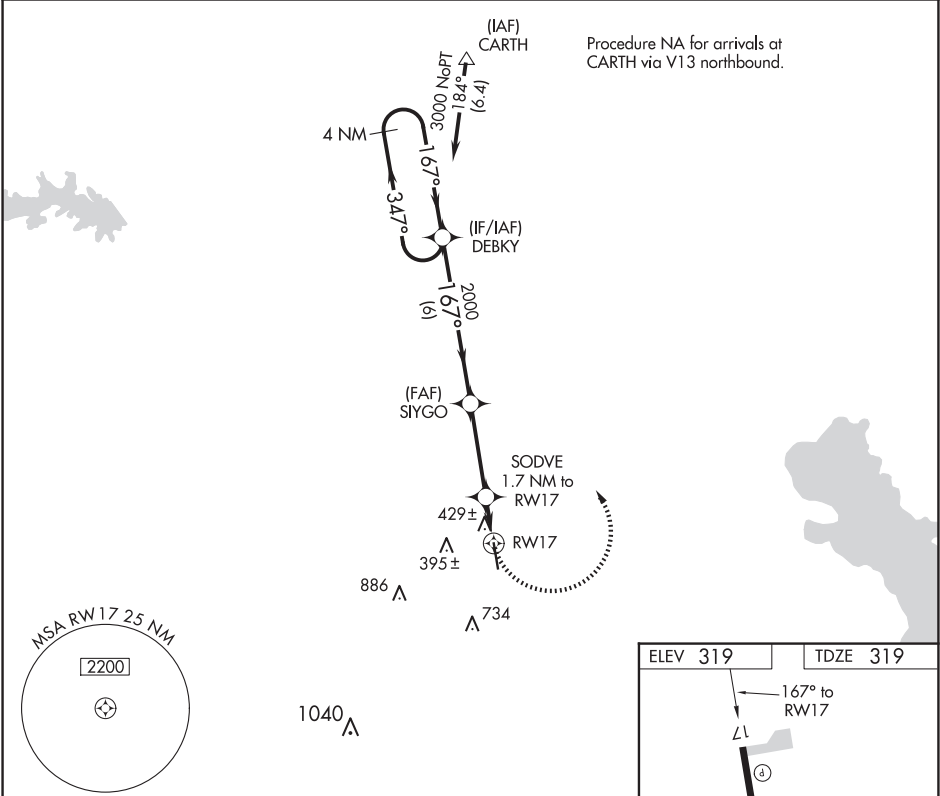
APP CRS	Rwy Idg	5501
167°	TDZE	319
	Apt Elev	319

# RNAV (GPS) RWY 17

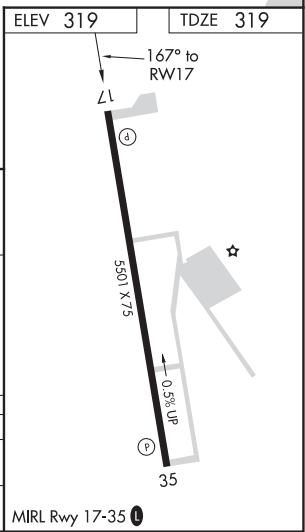
CENTER MUNI (F17)

RNP APCH.	MISSED APPROACH: Climbing left turn to 3000 direct DEBKY and hold, continue climb-in-hold to 3000.
▼ Rwy 17 helicopter visibility reduction below 1 SM NA. ▲ NA Straight-In Rwy 17 NA at night, Circling Rwy 17 NA at night.	

AWOS-3PT 128.775	OCH AWOS-3 135.625	FORTH WORTH CENTER 126.325 346.25	UNICOM 122.8 (CTAF) ①
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4 NM Holding Pattern		DEBKY	Visual Segment - Obstacles.		3000	DEBKY
3000		←347°	167°→	SIYGO	2000	SODVE 1.7 NM to RW17
		6 NM		3.4 NM	900	RW17
CATEGORY	A	B	C	D		
RNAV MDA	800-1	481 (500-1)	800-1¼ 481 (500-1¼)	NA		
CIRCLING	860-1	541 (600-1)	1160-2½ 841 (900-2½)	NA		



CENTER, TEXAS  
Orig-E 12AUG21

31°50'N-94°09'W

## CENTER MUNI (F17) RNAV (GPS) RWY 17

SC-5, 07 AUG 2025 to 02 OCT 2025

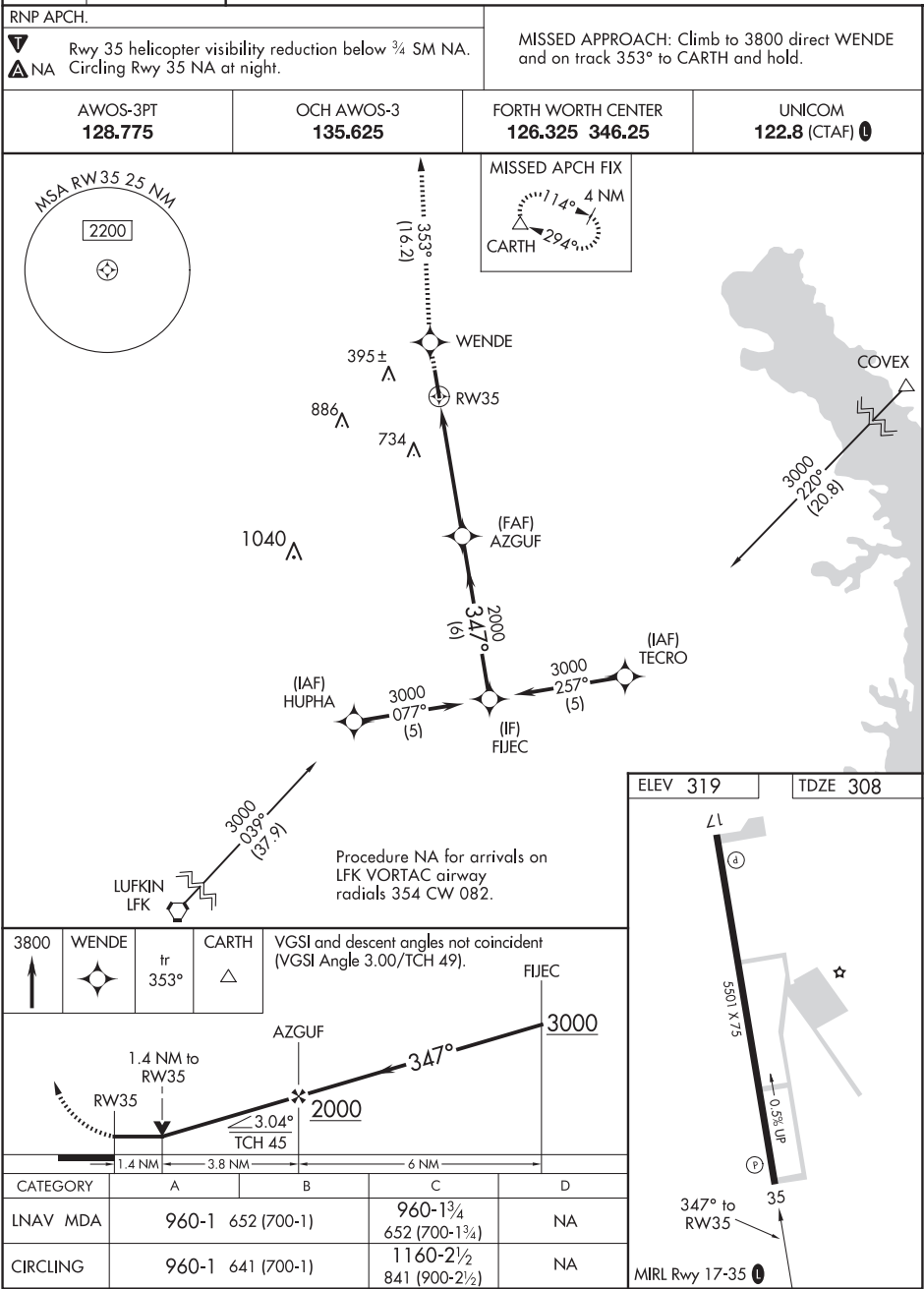
SC-5, 07 AUG 2025 to 02 OCT 2025



APP CRS	Rwy Idg	5501
347°	TDZE	308
	Apt Elev	319

RNAV (GPS) RWY 35

CENTER MUNI (F17)



CENTER, TEXAS

AL-6632 (FAA)

21224

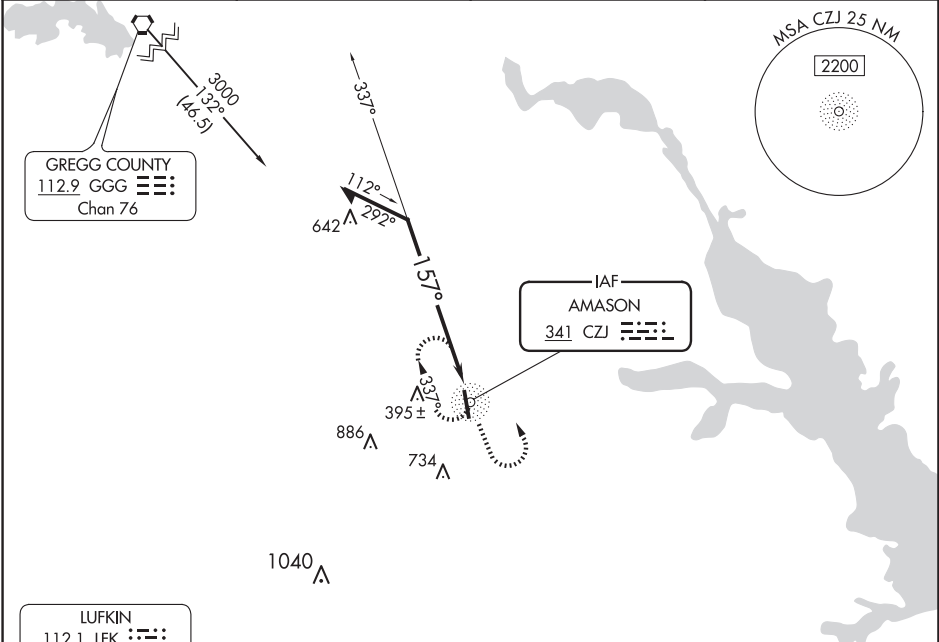
NDB CZJ	APP CRS	Rwy Idg	5501
341	157°	TDZE	319
		Apt Elev	319

NDB RWY 17  
CENTER MUNI (F17)

**⚠** Rwy 17 helicopter visibility reduction below 1 SM NA.  
**⚠** NA Straight-In Rwy 17 NA at night, Circling Rwy 17 NA at night.

MISSED APPROACH: Climb to 1500 then climbing left turn to 3000 direct CZJ NDB and hold.

AWOS-3PT 128.775	OCH AWOS-3 135.625	FORTH WORTH CENTER 126.325 346.25	UNICOM 122.8 (CTAF) <b>Ⓛ</b>
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ELEV 319 TDZE 319

Diagram showing the runway (3501 x 75) and approach path. It includes a 157° turn to CZJ NDB and a 0.5% up slope. The runway is labeled 35.

Remain within 10 NM

Diagram showing the 2000' altitude hold and the 337° and 157° turns.

1500 3000 CZJ

Diagram showing the 1500' and 3000' altitudes and the CZJ NDB.

CATEGORY	A	B	C	D
S-17	1200-1¼	881 (900-1¼)	1200-2¾ 881 (900-2¾)	NA
CIRCLING	1200-1¼	881 (900-1¼)	1200-2¾ 881 (900-2¾)	NA

MIRL Rwy 17-35 **Ⓛ**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

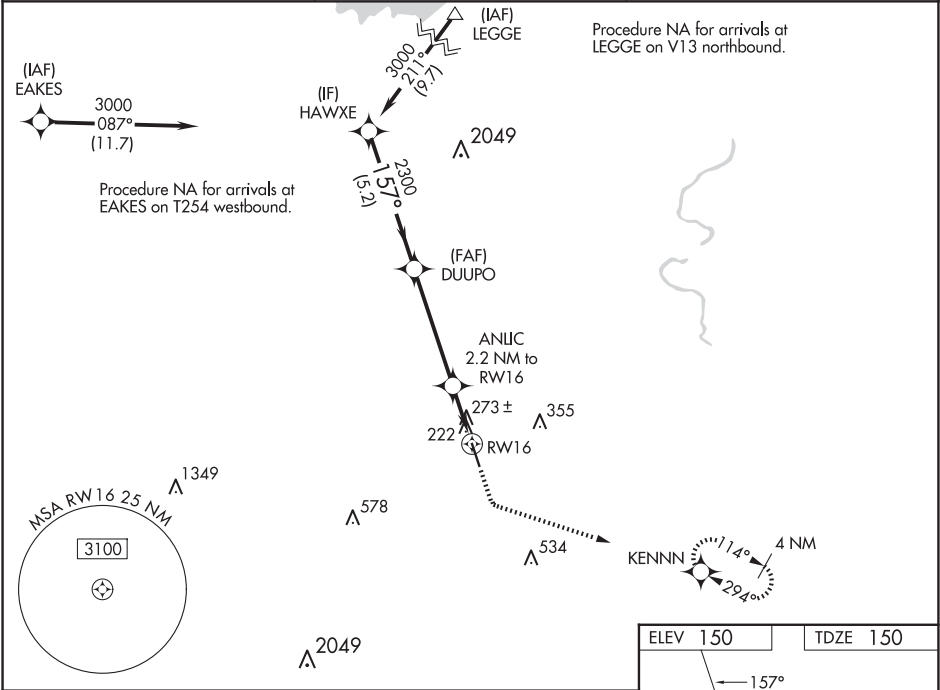
WAAS CH <b>65724</b> <b>W16A</b>	APP CRS <b>157°</b>	Rwy Idg TDZE <b>150</b> Apt Elev <b>150</b>	<b>5001</b>
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RNAV (GPS) RWY 16

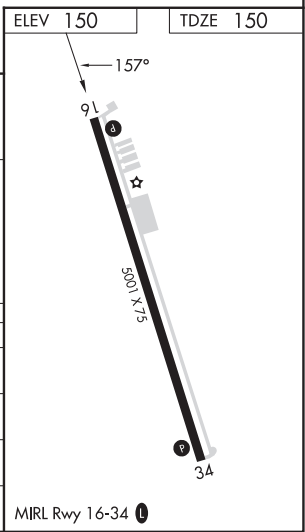
CLEVELAND MUNI (6R:3)

RNP APCH-GPS. ▼ Rwy 16 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. ▲ Circling Rwy 34 NA at night.	MISSED APPROACH: Climb to 620 then climbing left turn to 2000 direct KENNN and hold.
---	--

AWOS-3 <b>119.325</b>	HOUSTON APP CON <b>119.7 281.4</b>	UNICOM <b>123.0 (CTAF) 0</b>
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GP 3.00° TCH 52		5.2 NM		4.4 NM		1.1 NM		1.1 NM		
CATEGORY	A	B		C		D				
LPV DA	400-¾ 250 (300-¾)						NA			
LNAV/ VNAV DA	538-1⅞ 388 (400-1⅞)						NA			
LNAV MDA	540-1 390 (400-1)		540-1⅞ 390 (400-1⅞)		540-1⅞ 390 (400-1⅞)		NA			
CIRCLING	600-1 450 (500-1)		660-1½ 510 (600-1½)		660-1½ 510 (600-1½)		NA			



(BLTWY7.BLTWY) 21280

BLTWY SEVEN DEPARTURE (RNAV)

AWOS-3  
119.325  
CTAF  
123.0  
HOUSTON DEP CON  
119.7 281.4

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 16, 34: Standard with minimum climb  
of 500' per NM to 660.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400  
for RADAR vectors to DREMR, thence . . .

TAKEOFF RUNWAY 34: Climb on heading 312° to 2000  
for RADAR vectors to DREMR, thence . . .

...on track 345° to LITLD, then on track 346° to BLTWY,  
then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)

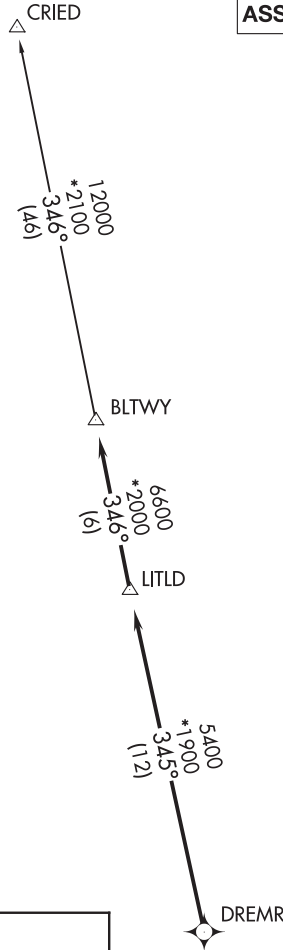
BLTWY SEVEN DEPARTURE (RNAV)

(BLTWY7.BLTWY) 07OCT21

98  
AL-6073 (FAA)

CLEVELAND MUNI (6R3)  
CLEVELAND, TEXAS

**TOP ALTITUDE:  
ASSIGNED BY ATC**



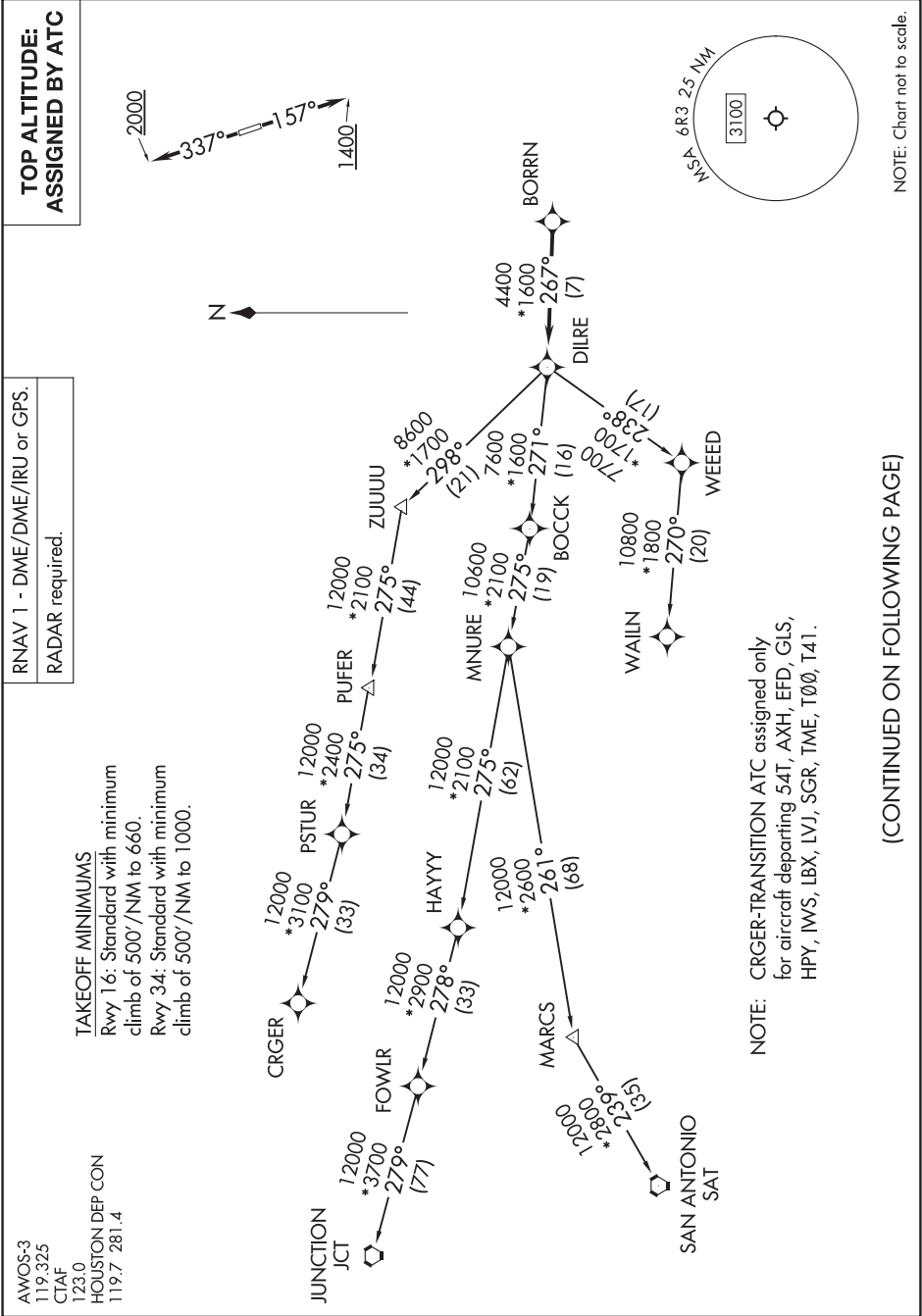
NOTE: Chart not to scale.

CLEVELAND, TEXAS  
CLEVELAND MUNI (6R3)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



BORRN SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 34: Climb on heading 337° to 2000, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

AWOS-3  
119.325  
CTAF  
123.0  
HOUSTON DEP CON  
119.7 281.4

(HOODO7.HOODO) 21280  
HOODO SEVEN DEPARTURE (RNAV)

AL-6073 (FAA)

CLEVELAND MUNI (6R3)  
CLEVELAND, TEXAS

TOP ALTITUDE:  
ASSIGNED BY ATC

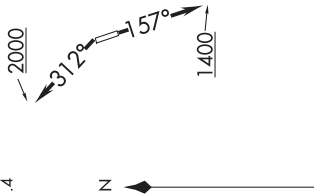
NOTE: RNAV 1.

NOTE: RADAR required.

NOTE: ATC assigned only.

NOTE: DME/DME/IRU or GPS required.

NOTE: For non-GPS equipped aircraft, LCH, LLA, TBD, and LEV DME's must be operational.



TAKEOFF MINIMUMS  
Rwys 16, 34: Standard with minimum  
climb of 500' per NM to 660.

SCHOLES  
VUH

9300  
\*1400  
118°  
(32)

11000  
\*1400  
087°  
(36)  
HOODO

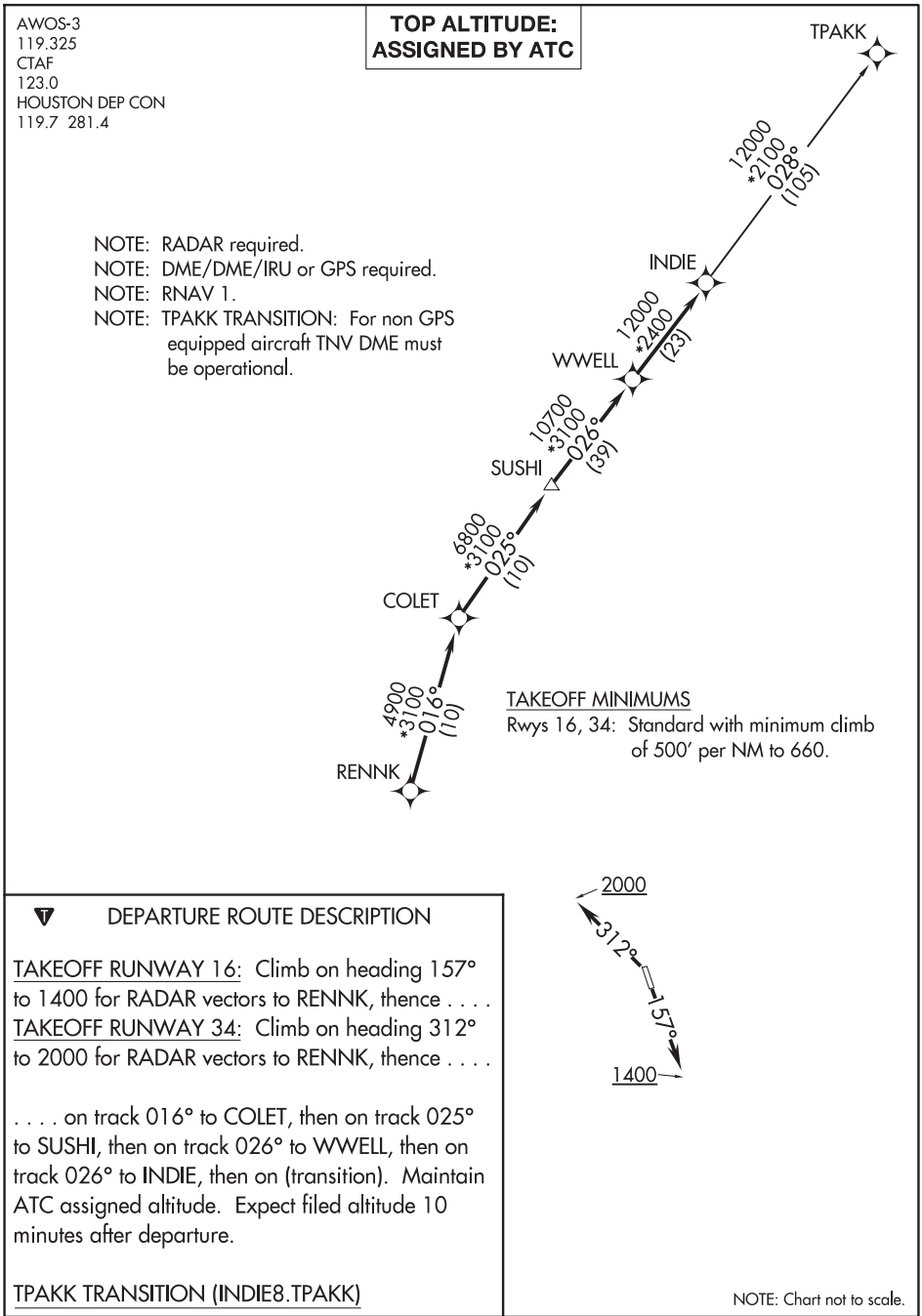
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

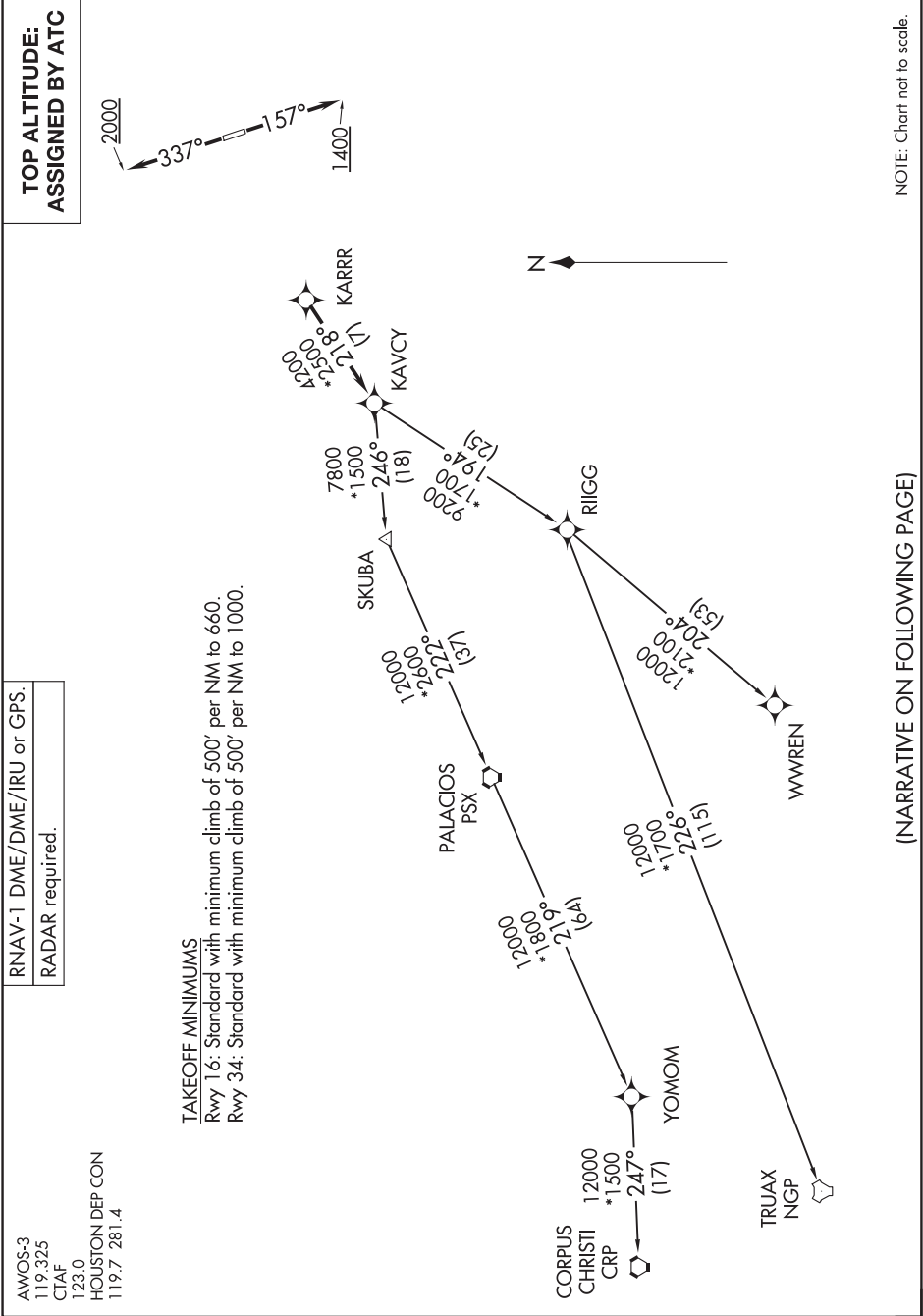
TAKEOFF RUNWAY 16: Climb on heading 157° to 1400, for RADAR vectors to VUH VOR/DME, thence . . .  
TAKEOFF RUNWAY 34: Climb on heading 312° to 2000, for RADAR vectors to VUH VOR/DME, thence . . .

. . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- BOWFN TRANSITION (HOODO7.BOWFN)
- CFOOD TRANSITION (HOODO7.CFOOD)
- HARVEY TRANSITION (HOODO7.HRV)
- LEEVILLE TRANSITION (HOODO7.LEV)
- SBIRD TRANSITION (HOODO7.SBIRD)







KARRR SEVEN DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 34: Climb on heading 337° to 2000, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

## LURIC EIGHT DEPARTURE (RNAV)

CLEVELAND, TEXAS

AWOS-3  
119.325  
CTAF  
123.0  
HOUSTON DEP CON  
119.7 281.4

**TOP ALTITUDE: ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 16, 34: Standard with minimum climb of 500' per NM to 660.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 34: Climb on heading 312° to 2000 for RADAR vectors to KNTKY, thence . . . .

... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

## LURIC EIGHT DEPARTURE (RNAV)

(LURIC8.LURIC) 07OCT21

CLEVELAND, TEXAS

CLEVELAND MUNI (6R3)

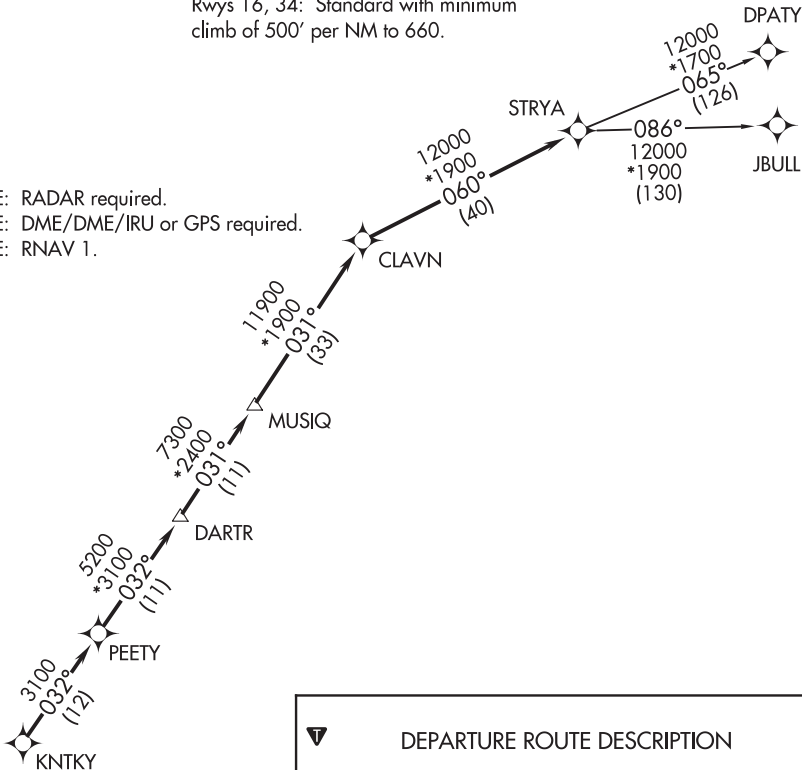


AWOS-3  
119.325  
CTAF  
123.0  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 16, 34: Standard with minimum  
climb of 500' per NM to 660.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400 for RADAR vectors to KNTKY, thence. . . .  
TAKEOFF RUNWAY 34: Climb on heading 312° to 2000 for RADAR vectors to KNTKY, thence. . . .  
. . . .on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

(STYCK8.STYCK) 21280

AL-6073 (FAA)

CLEVELAND MUNI (6R3)

CLEVELAND, TEXAS

# STYCK EIGHT DEPARTURE (RNAV)

TOP ALTITUDE:  
ASSIGNED BY ATC

AWOS-3

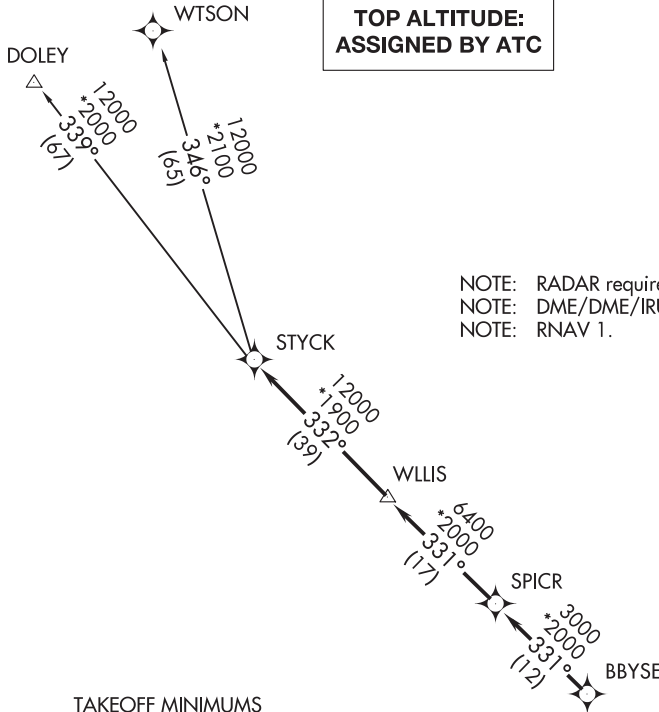
119.325

CTAF

123.0

HOUSTON DEP CON

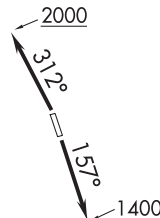
119.7 281.4



NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 16, 34: Standard with minimum climb of 500' per NM to 660.



NOTE: Chart not to scale.



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400 for RADAR vectors to BBYSE, thence. . .

TAKEOFF RUNWAY 34: Climb on heading 312° to 2000 for RADAR vectors to BBYSE, thence. . .

. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)

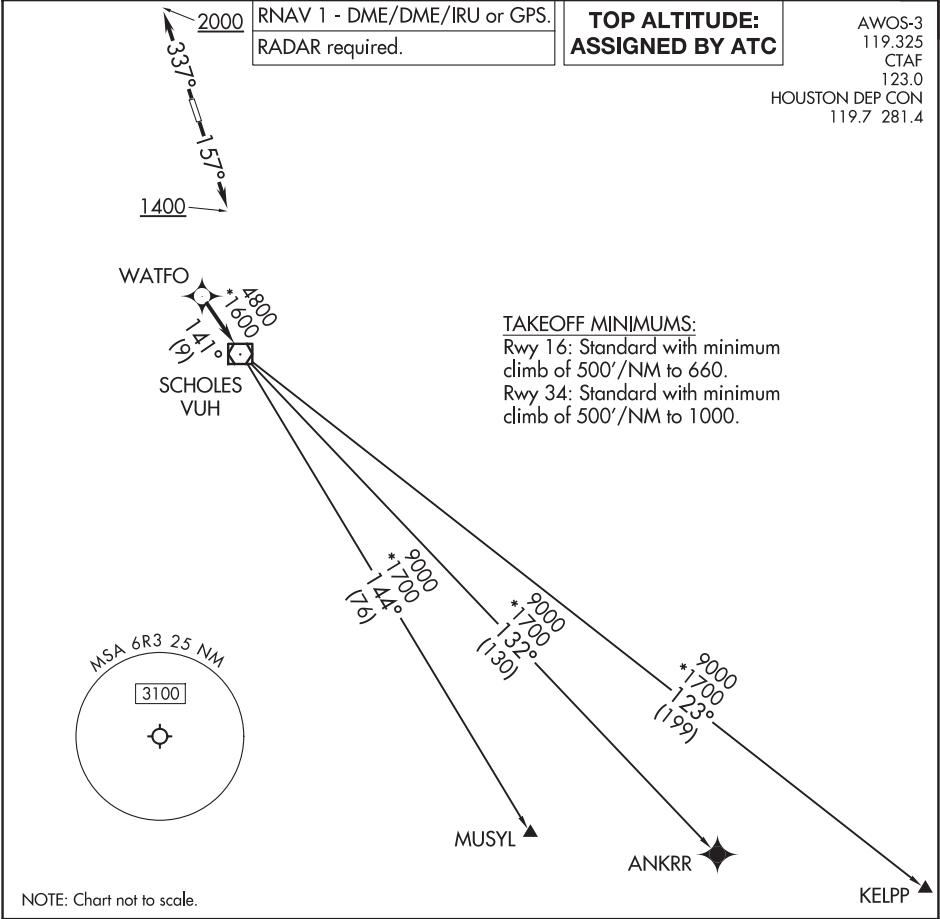
WTSON TRANSITION (STYCK8.WTSON)

# STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

CLEVELAND, TEXAS

CLEVELAND MUNI (6R3)



T

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 157° to 1400, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 34: Climb on heading 337° to 2000, for RADAR vectors to WATFO, thence. . . .

. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)

KELPP TRANSITION (WATFO6.KELPP)

MUSYL TRANSITION (WATFO6.MUSYL)

WYLSN EIGHT DEPARTURE (RNAV)

AWOS-3  
119.325  
CTAF  
123.0  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwy 16, 34: Standard with minimum climb  
of 500' per NM to 660.

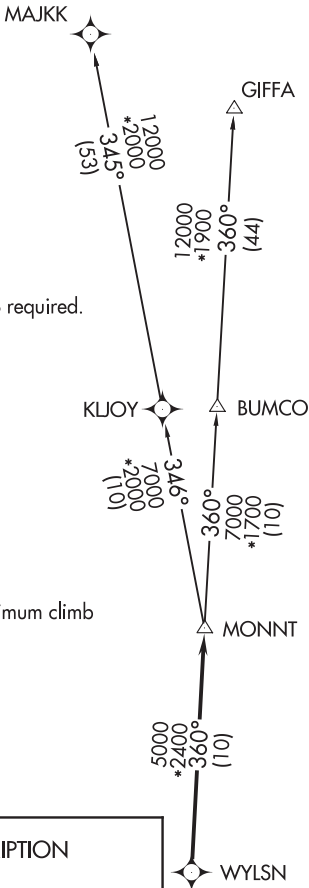
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading  
157° to 1400 for RADAR vectors to WYLSN,  
thence. . . .

TAKEOFF RUNWAY 34: Climb on heading  
312° to 2000 for RADAR vectors to WYLSN,  
thence. . . .

. . . .on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.



LOC/DME I-CLL <b>110.55</b> Chan <b>42(Y)</b>	APP CRS <b>346°</b>	Rwy Idg TDZE <b>311</b> Apt Elev <b>321</b>
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ILS or LOC RWY 35  
EASTERWOOD FLD (CLL)

ADF or DME required for procedure entry. ADF or DME required for LOC only.

▼

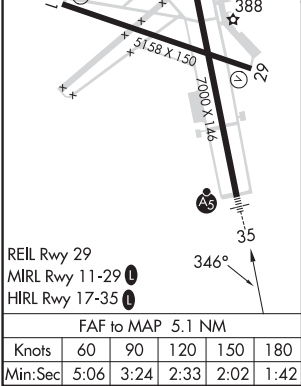
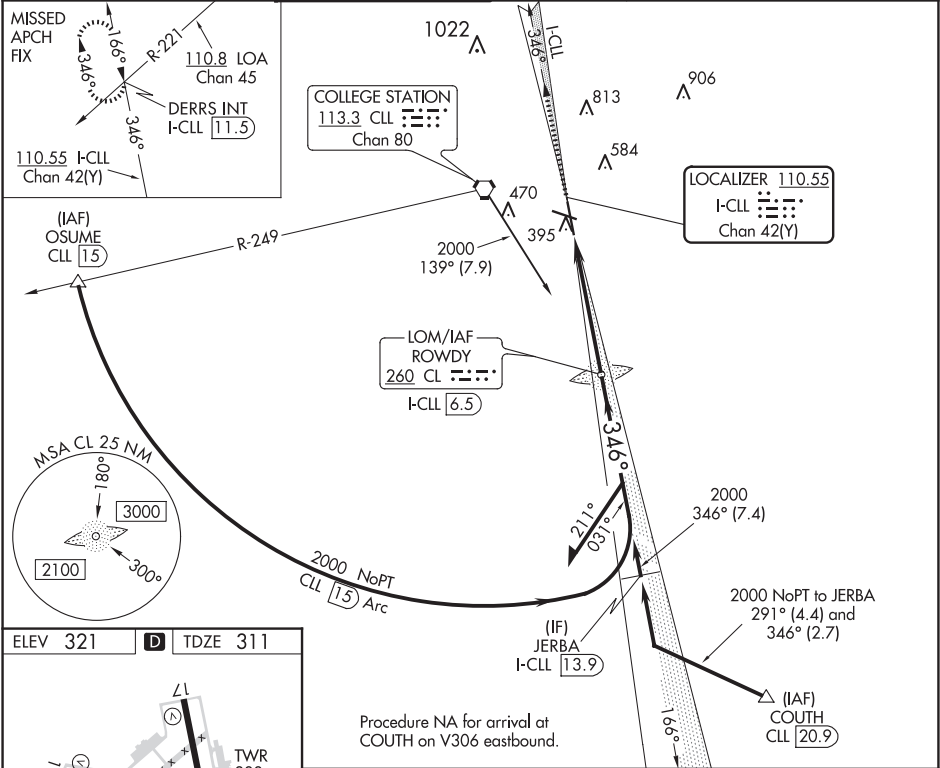
▲

For inop ALS, increase S-ILS 35 Cat E visibility to ¾ SM and S-LOC 35 Cat E visibility to 1¾ SM. ILS glideslope unusable for coupled approaches below 1050 feet MSL.

MALSR  
A5

MISSED APPROACH: Climb to 2500 on I-CLL north course to DERRS INT/I-CLL 11.5 DME and hold.

ATIS <b>126.85</b>	HOUSTON APP CON <b>134.3 360.85</b>	EASTERWOOD TOWER ★ <b>118.5 (CTAF) 284.7</b>	GND CON <b>128.7 284.7</b>	CLNC DEL <b>128.7</b>	CLNC DEL <b>120.4</b> (when twr closed)	UNICOM <b>122.95</b>
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2500	I-CLL N crs	DERRS INT	CL LOM ROWDY I-CLL 6.5	1968	176°	2000	GS 2.90° TCH 57
Remain within 15 NM							
Use I-CLL DME when on the localizer course.							
CATEGORY A B C D E							
S-ILS 35 511-1/2 200 (200-1/2)							
S-LOC 35 760-1/2 449 (500-1/2) 760-7/8 449 (500-7/8)							
CIRCLING 860-1 539 (600-1) 880-1 559 (600-1) 1000-2 679 (700-2) 1180-2 3/4 859 (900-2 3/4) 1180-3 859 (900-3)							

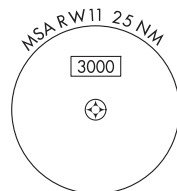
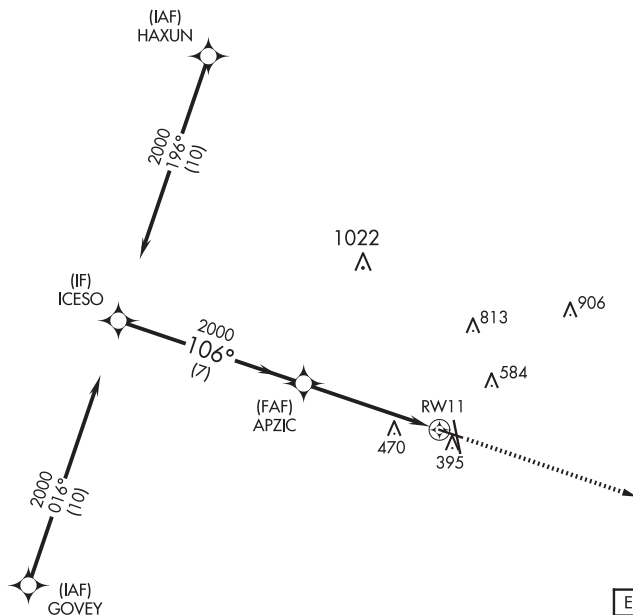
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

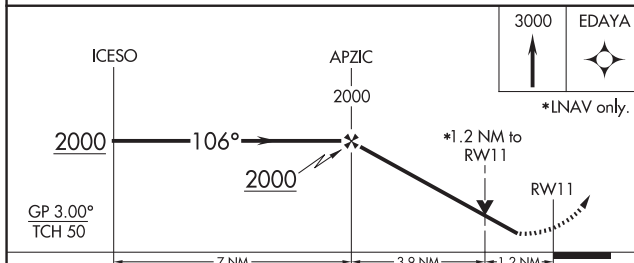
RNAV (GPS) RWY 11  
EASTERWOOD FLD (CLL)


**T**  
**A** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C or above 54°C. Rwy 11 helicopter visibility reduction below  $\frac{3}{4}$  SM NA.

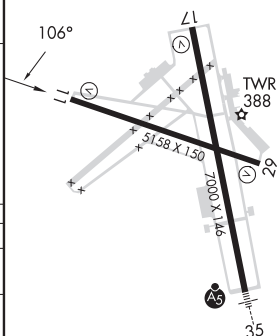
**MISSED APPROACH:** Climb to 3000 direct EDAYA and hold.

UNICOM  
122.95

ELEV 321	<b>D</b>	TDZE 319
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CATEGORY		A	B	C	D	E
LPV	DA	569-3/4 250 (300-3/4)				
LNAV/ VNAV	DA	641-1 322 (400-1)				
LNAV	MDA	740-1 421 (500-1)		740-1 1/4 421 (500-1 1/4)		
 CIRCLING		860-1 539 (600-1)	880-1 559 (600-1)	1000-2 679 (700-2)	1180-2 3/4 859 (900-2 3/4)	1180-3 859 (900-3)



REIL Rwy 29  
MIRL Rwy 11-29 **L**  
HIRL Rwy 17-35 **L**

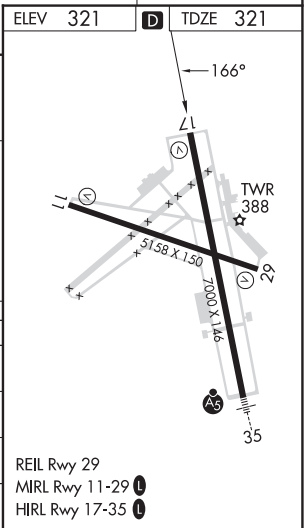
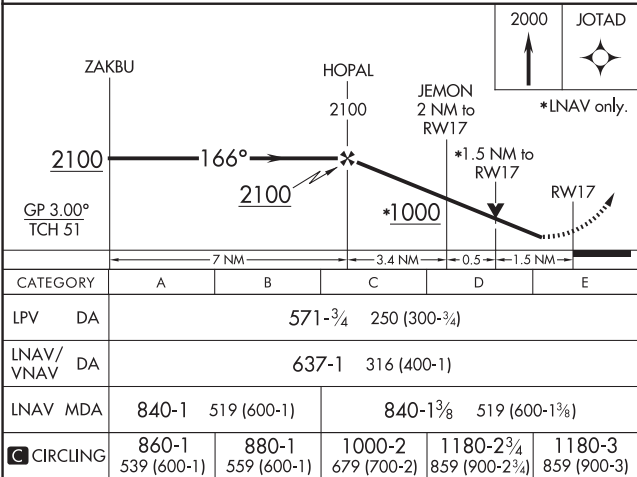
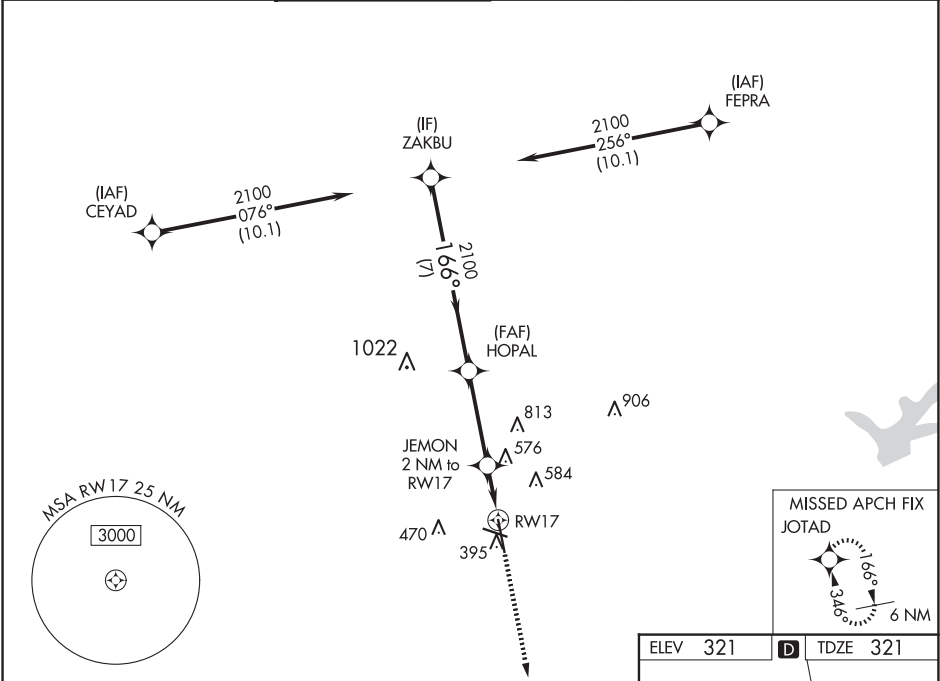
EASTERWOOD FLD (CLL)  
RNAV (GPS) RWY 11

WAAS CH <b>78322</b> <b>W17A</b>	APP CRS <b>166°</b>	Rwy Idg TDZE Apt Elev	<b>7000</b> <b>321</b> <b>321</b>
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RNAV (GPS) RWY 17

EASTERWOOD FLD (CLL)

RNP APCH.				MISSED APPROACH: Climb to 2000 direct JOTAD and hold.		
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C or above 54°C. Rwy 17 helicopter visibility reduction below ¾ SM NA.						
ATIS <b>126.85</b>	HOUSTON APP CON <b>134.3 360.85</b>	EASTERWOOD TOWER ★ <b>118.5 (CTAF) 0 284.7</b>	GND CON <b>128.7 284.7</b>	CLNC DEL <b>128.7</b>	CLNC DEL <b>120.4</b> (when twr closed)	UNICOM <b>122.95</b>



COLLEGE STATION, TEXAS

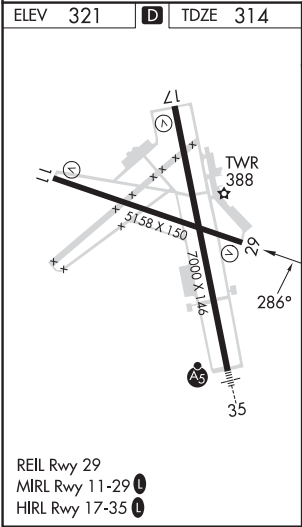
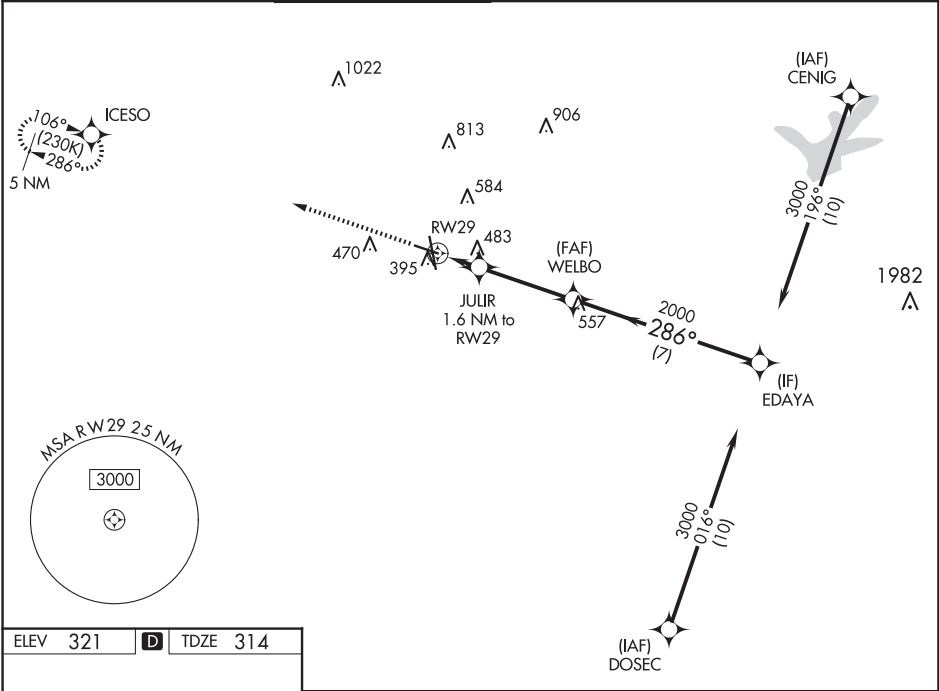
AL-928 (FAA)

23166

WAAS CH <b>87022</b> <b>W29A</b>	APP CRS <b>286°</b>	Rwy Idg TDZE Apt Elev	<b>5158</b> <b>314</b> <b>321</b>
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RNAV (GPS) RWY 29  
EASTERWOOD FLD (CLL)

RNP APCH.				MISSED APPROACH: Climb to 2000 direct ICESO and hold.		
<div><div>V</div><div>A</div></div>	Baro-VNAV NA when using Caldwell altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C or above 54°C. Rwy 29 helicopter visibility reduction below ¾ SM NA.					
ATIS 126.85	HOUSTON APP CON 134.3 360.85	EASTERWOOD TOWER★ 118.5 (CTAF) 0 284.7	GND CON 128.7 284.7	CLNC DEL 128.7	CLNC DEL 120.4 (when twr closed)	UNICOM 122.95



2000 ICESO		WELBO 2000		EDAYA 3000	
*LNAV only.		JULIR 1.6 NM to RW29		GP 3.00° TCH 54	
RW29		860*		2000	
1.6 NM		3.5 NM		7 NM	
CATEGORY	A	B	C	D	E
LPV DA	564-¾		250 (300-¾)		
LNAV/VNAV DA	762-1⅜		448 (500-1⅜)		
LNAV MDA	740-1	426 (500-1)	740-1¼	426 (500-1¼)	
CIRCLING	860-1 539 (600-1)	880-1 559 (600-1)	1000-2 679 (700-2)	1180-2¾ 859 (900-2¾)	1180-3 859 (900-3)

COLLEGE STATION, TEXAS  
Amdt 1B 20JUN19

30°35'N-96°22'W

EASTERWOOD FLD (CLL)  
RNAV (GPS) RWY 29

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



COLLEGE STATION, TEXAS

AL-928 (FAA)

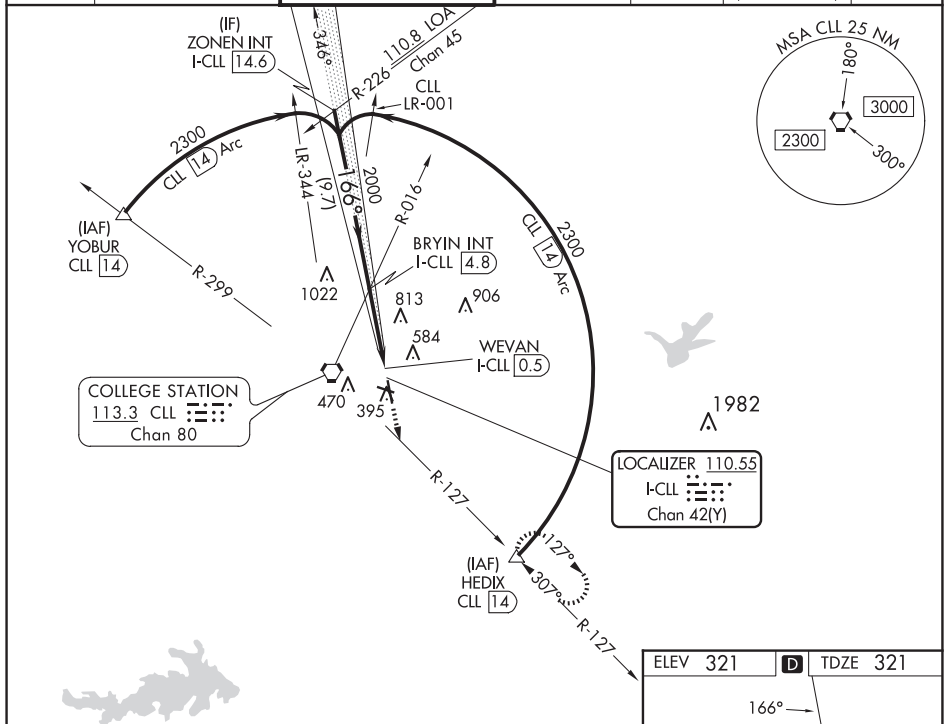
23166

LOC/DME I-CLL <b>110.55</b> Chan <b>42</b> (Y)	APP CRS <b>166°</b>	Rwy Idg TDZE Apt Elev <b>7000</b> <b>321</b> <b>321</b>
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# LOC BC RWY 17

EASTERWOOD FLD (CLL)

DME required.		MISSED APPROACH: Climb to 2000 on heading 166° and CLL R-127 to HEDIX/CLL 14 DME and hold.				
▼ ▲ Rwy 17 helicopter visibility reduction below ¾ SM NA.						
ATIS <b>126.85</b>	HOUSTON APP CON <b>134.3 360.85</b>	EASTERWOOD TOWER ★ <b>118.5</b> (CTAF) <b>284.7</b>	GND CON <b>128.7 284.7</b>	CLNC DEL <b>128.7</b>	CLNC DEL <b>120.4</b> (when twr closed)	UNICOM <b>122.95</b>



# BACK COURSE

Use I-CLL DME when on the localizer course.

2000

hdg 166°  
and  
CLL R-127

HEDIX

△

ZONEN INT  
I-CLL 14.6

2300

BRYIN INT  
I-CLL 4.8

3.04°

TCH 51

I-CLL 1.5

WEVAN  
I-CLL 0.5

Disregard glideslope indications.

2000

9.7 NM

3.3 NM

1 NM

0.7

CATEGORY	A	B	C	D	E
S-LOC 17	940-1	619 (700-1)	940-1¾ 619 (700-1¾)		
CIRCLING	940-1	619 (700-1)	1000-2 679 (700-2)	1180-2¾ 859 (900-2¾)	1180-3 859 (900-3)

REIL Rwy 29  
MIRL Rwy 11-29  
HIRL Rwy 17-35

FAF to MAP 4.3 NM

Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

SC-5, 07 AUG 2025 to 02 OCT 2025

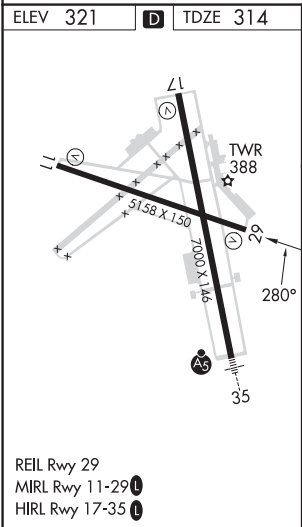
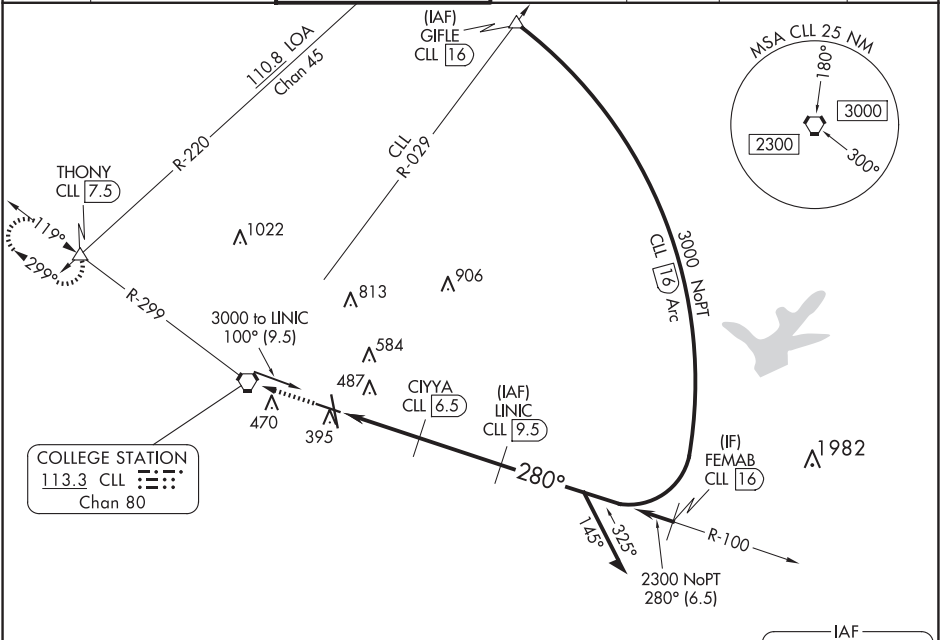
SC-5, 07 AUG 2025 to 02 OCT 2025

VORTAC CLL	APP CRS	Rwy Idg	5158
113.3	280°	TDZE	314
Chan 80		Apt Elev	321

VOR RWY 29

EASTERWOOD FLD (CLL)

DME required for procedure entry. DME required.		MISSED APPROACH: Climb to 2500 direct CLL VORTAC then on CLL VORTAC R-299 to THONY INT/CLL 7.5 DME and hold.			
Rwy 29 helicopter visibility reduction below ¾ SM NA.		ATIS	HOUSTON APP CON	EASTERWOOD TOWER ★	GND CON
		126.85	134.3 360.85	118.5 (CTAF) 284.7	128.7 284.7
					CLNC DEL
					128.7
					CLNC DEL
					120.4
					(when twr closed)
					UNICOM
					122.95



2500	CLL	THONY	LINIC	Remain within 10 NM	
↑	CLL R-299	△	CLL 9.5	100°	3000
				280°	2300
				3.00° TCH 54	
				1.4 NM	1.7 NM
				3 NM	
CATEGORY	A	B	C	D	
S-29	800-1	486 (500-1)	800-1⅓	486 (500-1⅓)	
CIRCLING	860-1	880-1	1000-2	1180-2¾	
	539 (600-1)	559 (600-1)	679 (700-2)	859 (900-2¾)	

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

COLLEGE STATION, TEXAS

AL-928 (FAA)

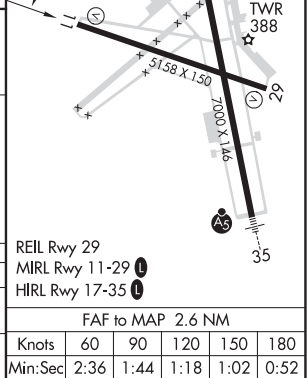
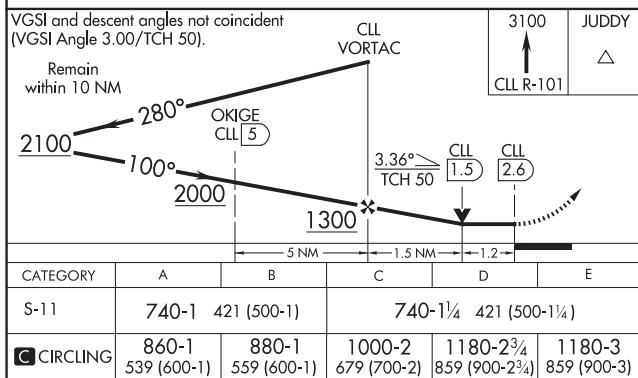
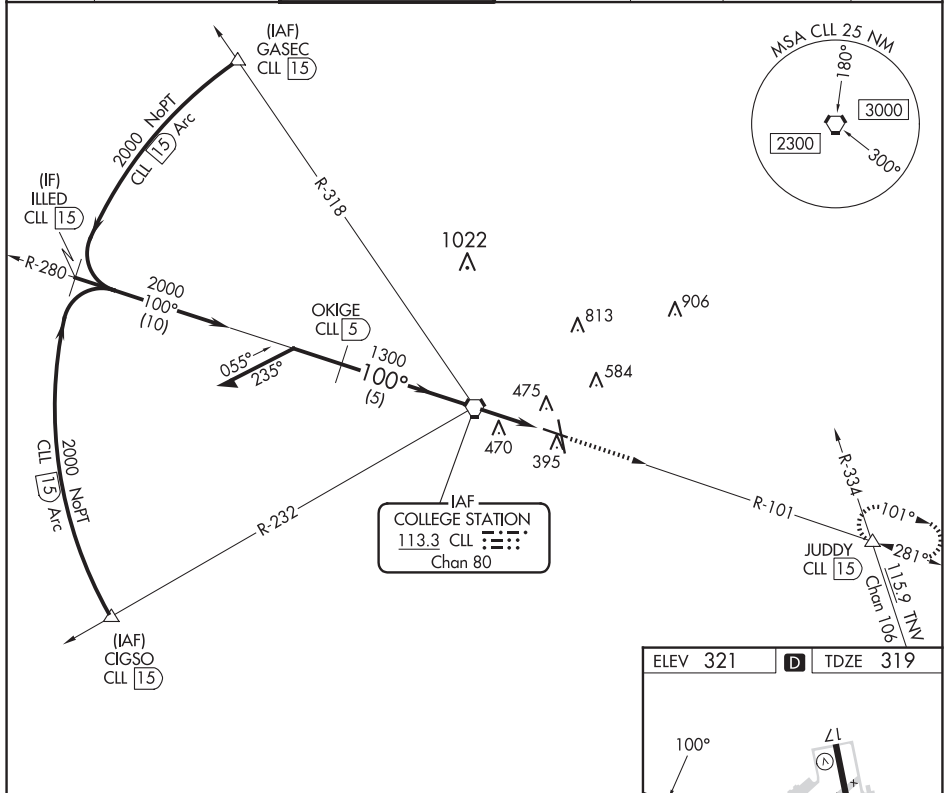
25135

VORTAC CLL	APP CRS	Rwy Idg	5158
113.3	100°	TDZE	319
Chan 80		Apt Elev	321

# VOR or TACAN RWY 11

EASTERWOOD FLD (CLL)

DME required for procedure entry.		MISSED APPROACH: Climb to 3100 on CLL VORTAC R-101 to JUDDY INT/CLL 15 DME and hold.				
▼ Procedure turn NA for Cat E. ▲ Rwy 11 helicopter visibility reduction below ¾ SM NA.						
ATIS	HOUSTON APP CON	EASTERWOOD TOWER ★	GND CON	CLNC DEL	CLNC DEL	UNICOM
126.85	134.3 360.85	118.5 (CTAF) 284.7	128.7 284.7	128.7	120.4 (when twr closed)	122.95



COLLEGE STATION, TEXAS  
Amdt 19F 15JUN23

30°35'N-96°22'W

# EASTERWOOD FLD (CLL)

# VOR or TACAN RWY 11

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



# AIRPORT DIAGRAM

AL-928 (FAA)



COLLEGE STATION, TEXAS  
EASTERWOOD FLD (CLL)

119

SC-5, 07 AUG 2025 to 02 OCT 2025

CROCKETT, TEXAS

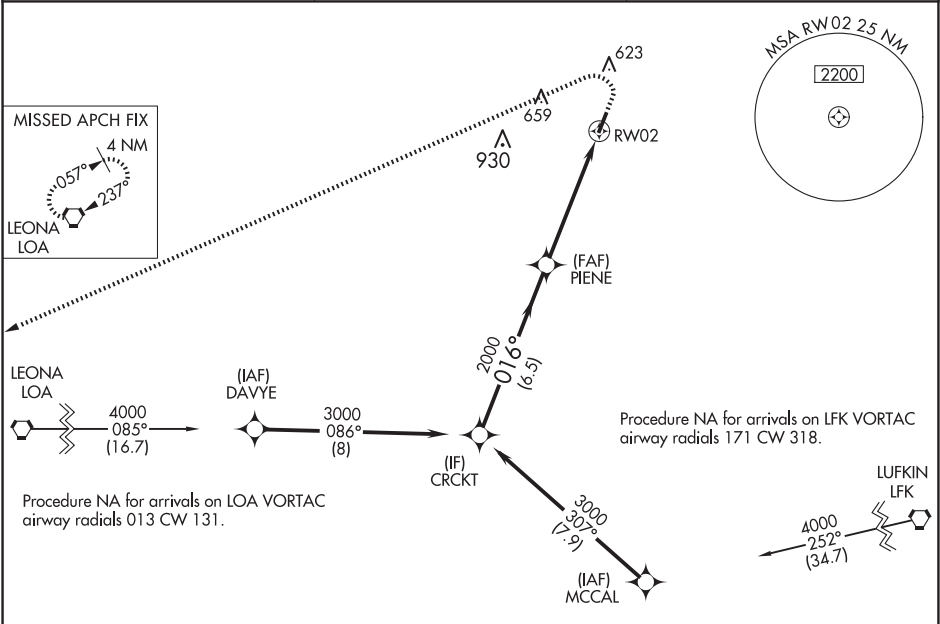
AL-9412 (FAA)

22055

WAAS CH <b>53526</b> <b>W02A</b>	APP CRS <b>016°</b>	Rwy Idg TDZE Apt Elev	<b>4000</b> <b>341</b> <b>348</b>
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**RNAV (GPS) RWY 2**  
HOUSTON COUNTY (DKR)

<div>V</div> <div>A</div>	DME/DME RNP-0.3 NA. When local altimeter setting not received, use Palestine altimeter setting and increase all MDA 100 feet. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.		MISSED APPROACH: Climb to 1000 then climbing left turn to 4000 direct LOA VORTAC and hold.
	AWOS-3PT 118.775	HOUSTON CENTER 134.8 269.6	CTAF 122.9 0



					ELEV 348		TDZE 341										
					MIRL Rwy 2-20												
					<table><tr><td>CRCKT</td><td>PIENE</td><td>RW02</td></tr><tr><td>3000</td><td>2000</td><td>3.00° TCH 35</td></tr><tr><td colspan="2">6.5 NM</td><td>5.2 NM</td></tr></table>				CRCKT	PIENE	RW02	3000	2000	3.00° TCH 35	6.5 NM		5.2 NM
CRCKT	PIENE	RW02															
3000	2000	3.00° TCH 35															
6.5 NM		5.2 NM															
CATEGORY					A		B		C		D						
LP MDA					820-1		479 (500-1)				NA						
LNAV MDA					840-1		499 (500-1)				NA						
CIRCLING					880-1 532 (600-1)		980-1 632 (700-1)				NA						

CROCKETT, TEXAS

Orig-C 24FEB22

31°18'N-95°24' W

HOUSTON COUNTY (DKR)  
**RNAV (GPS) RWY 2**

SC-5, 07 AUG 2025 to 02 OCT 2025

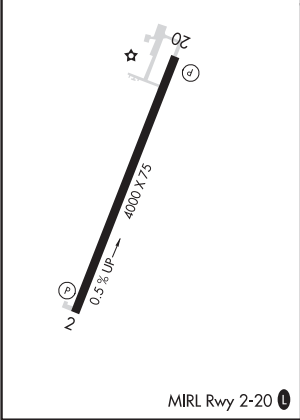
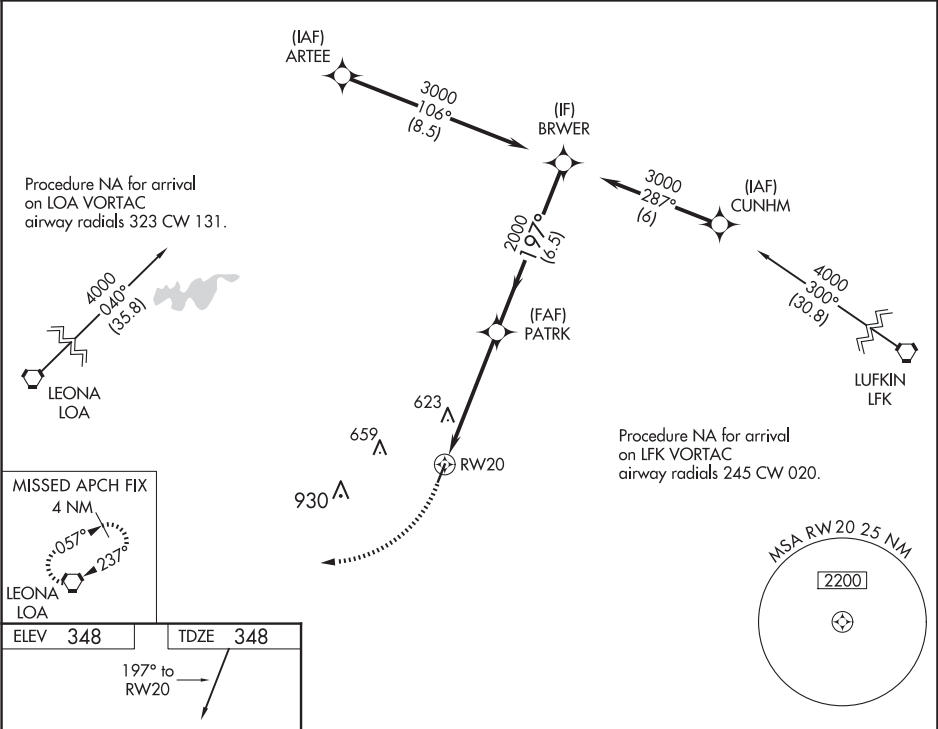
SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>65826</b> <b>W20A</b>	APP CRS <b>197°</b>	Rwy Idg TDZE Apt Elev	<b>4000</b> <b>348</b> <b>348</b>
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RNAV (GPS) RWY 20  
HOUSTON COUNTY (DKR)

RNP APCH.	MISSED APPROACH: Climbing right turn to 4000 direct LOA VORTAC and hold.
Procedure NA at night. Rwy 20 helicopter visibility reduction below 1 SM NA.	

AWOS-3PT <b>118.775</b>	HOUSTON CENTER <b>134.8 269.6</b>	CTAF <b>122.9</b>
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 17  
EAGLE LAKE (ELA)

**MISSED APPROACH:**  
Climb to 2000 direct  
ZOMVA and hold.

(IAF) AROLT

2000  
256°  
(10)

(IF) HIDIM

2000  
076°  
(10)

(IAF) YIGUK

1660  
166°

(FAF) IVUYU

229±

241±

677

475

RW17

MSA RW17 25 NM

2100

MISSED APCH FIX

ZOMVA

4 NM

166°

346°

ELEV	184	TDZE	184
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166° to RW17

41

ELEV 184

166° to RW17

4280 X 60

TDZE 184

35

MRL Rwy 17-35

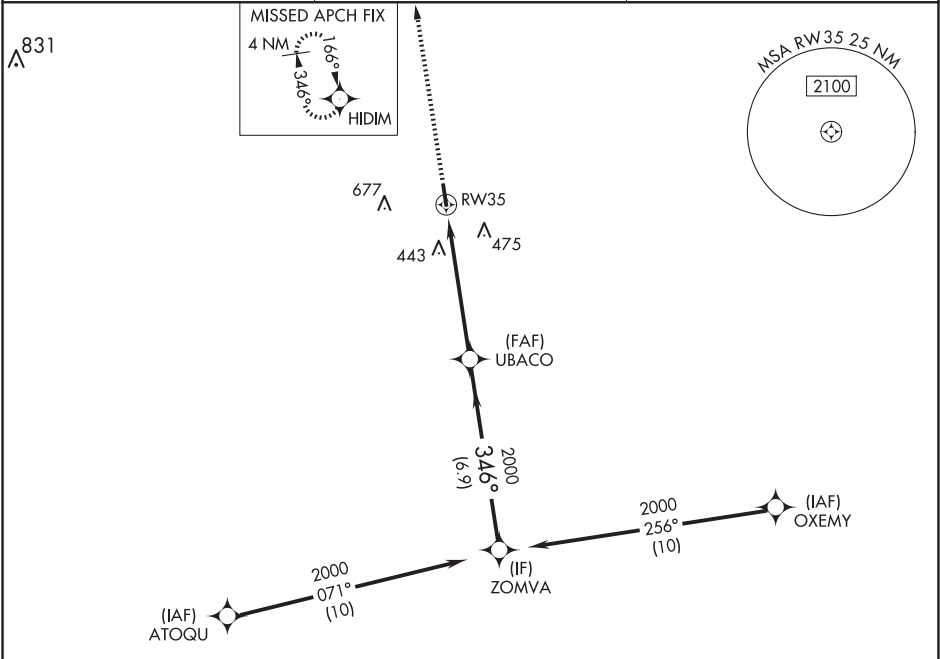
SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>45729</b> <b>W35A</b>	APP CRS <b>346°</b>	Rwy Idg TDZE Apt Elev	<b>4280</b> <b>184</b> <b>184</b>
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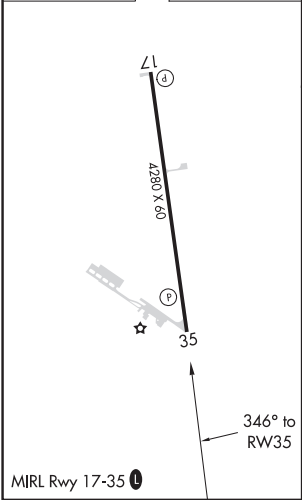
RNAV (GPS) RWY 35  
EAGLE LAKE (ELA)



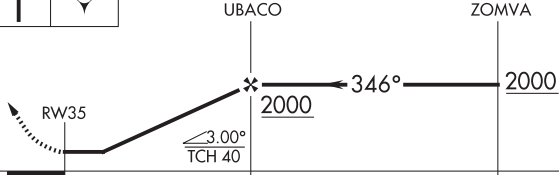

RNP APCH.	MISSED APPROACH: Climb to 2000 direct HIDIM and hold.
▼ Rwy 35 helicopter visibility reduction below 1 SM NA. ▲ Straight-in and Circling Rwy 35 NA at night.	

AWOS-3PT <b>128.475</b>	HOUSTON APP CON <b>124.225 306.975</b>	CTAF <b>122.9</b>
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ELEV <b>184</b>	TDZE <b>184</b>
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2000	HIDIM					
						
						
CATEGORY		A		B	C	D
LP	MDA	620-1 436 (500-1)		620-1¼ 436 (500-1¼)		NA
LNAV	MDA	700-1 516 (600-1)		700-1⅜ 516 (600-1⅜)		NA
 CIRCLING		760-1 576 (600-1)	840-1 656 (700-1)	1040-2½ 856 (900-2½)		NA


EDNA, TEXAS

AL-6468 (FAA)

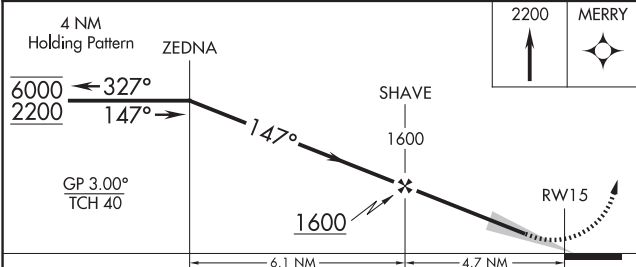
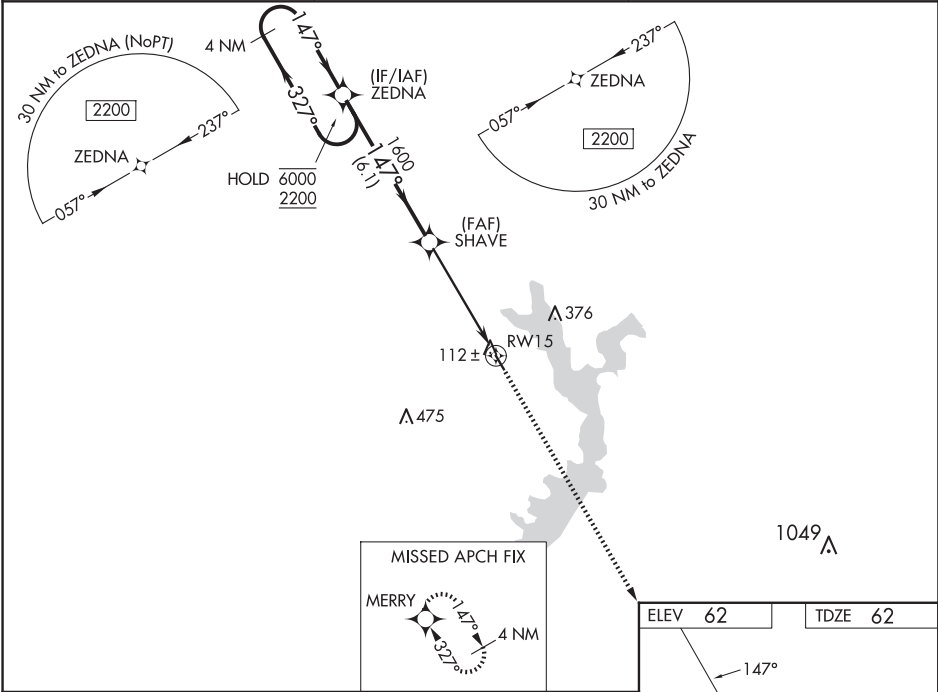
24305

WAAS CH <b>50148</b> <b>W15A</b>	APP CRS <b>147°</b>	Rwy Idg <b>3393</b> TDZE <b>62</b> Apt Elev <b>62</b>
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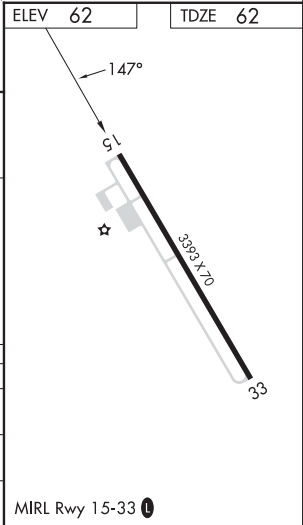
**RNAV (GPS) RWY 15**  
JACKSON COUNTY (26R)

RNP APCH - GPS.		MISSED APPROACH: Climb to 2200 direct MERRY and hold.
 NA	Baro-VNAV NA. Use VCT altimeter setting, when not received, use PKV altimeter setting.	

VCT ASOS <b>119.025</b>	HOUSTON CENTER <b>135.05 353.6</b>	UNICOM <b>122.8 (CTAF) 0</b>
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CATEGORY	A	B	C	D
LPV DA	366-7/8	304 (400-7/8)	NA	NA
LNNAV/VNAV DA	366-7/8	304 (400-7/8)	NA	NA
LNNAV MDA	600-1	538 (600-1)	NA	NA



EDNA, TEXAS  
Orig 31OCT24

29°00'N-96°35'W

JACKSON COUNTY (26R)  
**RNAV (GPS) RWY 15**



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SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>97348</b> <b>W33A</b>	APP CRS <b>327°</b>	Rwy Idg <b>3393</b> TDZE <b>61</b> Apt Elev <b>62</b>
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RNAV (GPS) RWY 33  
JACKSON COUNTY (26R)

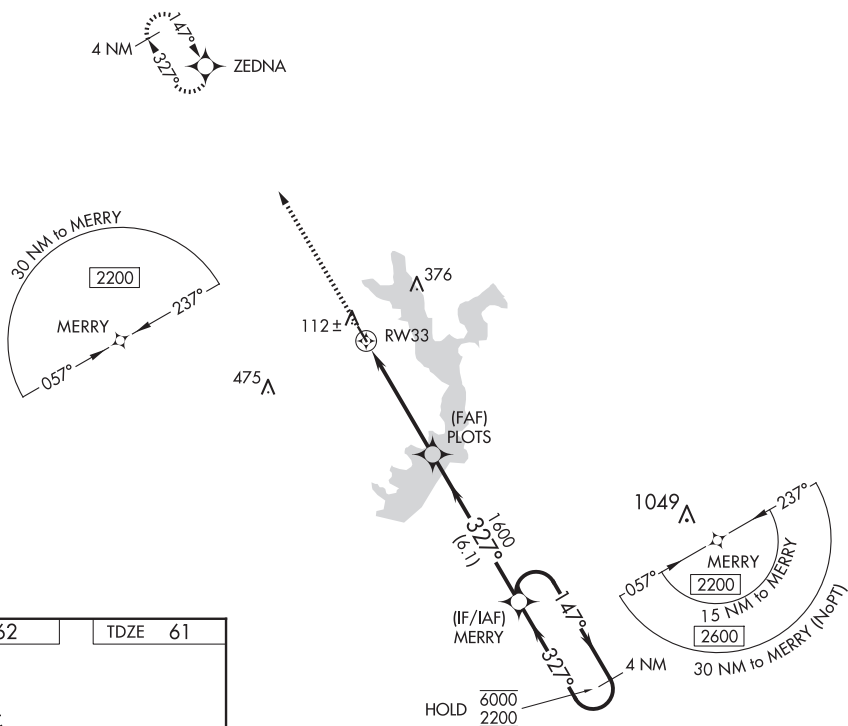
RNP APCH - GPS.	
-----------------	--

	Baro-VNAV NA.
 NA	Use VCT altimeter setting, when not received, use PKV altimeter setting.

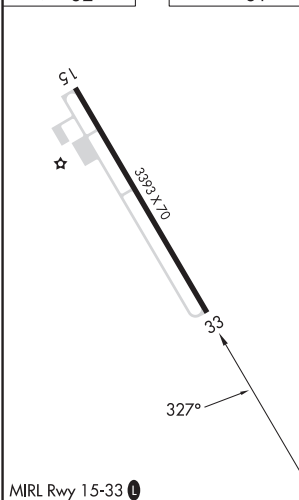
**MISSED APPROACH:** Climb to 2200 direct ZEDNA and hold.

VCT ASOS  
**119,025**

HOUSTON CENTER  
135.05 353.6

UNICOM  
122.8 (CTAF) **L**

ELEV 62		TDZE 61
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[illegible]



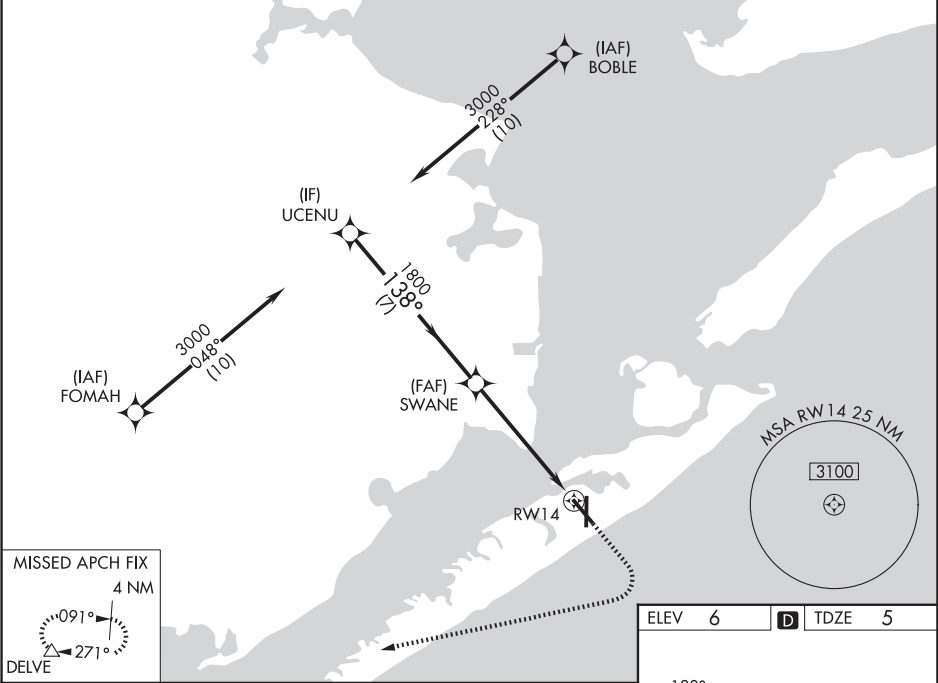


WAAS CH <b>65606</b> <b>W14A</b>	APP CRS <b>138°</b>	Rwy Ldg <b>6000</b> TDZE <b>5</b> Apt Elev <b>6</b>
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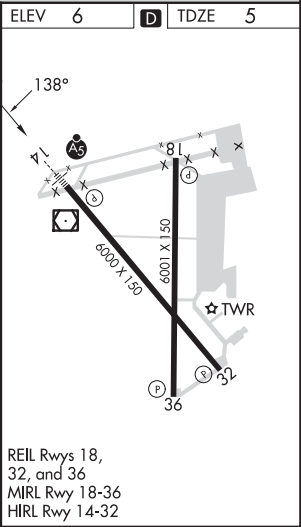
RNAV (GPS) RWY 14

SCHOLES INTL AT GALVESTON (GLS)

RNP APCH - GPS. <div><div><div></div><div></div></div><div>Circling NA east of Rwy 18 and northeast of Rwy 32. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 0°C or above 54°C.</div></div>			MALSR <div><div><div></div><div></div></div></div>	MISSED APPROACH: Climb to 1200 then climbing right turn to 3000 direct DELVE and hold.	
ASOS <b>123.95</b>	HOUSTON APP CON <b>134.45 284.0</b>	GALVESTON TOWER ★ <b>120.575 (CTAF)</b>	GND CON <b>118.625</b>	CLNC DEL <b>135.35</b> (When twr closed)	UNICOM <b>123.05</b>



UCENU		SWANE		1200	3000	DELVE
3000		1800				
GP 3.00°		1800		1.3 NM to RWY14		
TCH 53				RWY14		
7 NM		4.2 NM		1.3 NM		
CATEGORY	A	B	C	D		
LPV DA	205-½		200 (200-½)			
LNAV/VNAV DA	342-½		337 (400-½)			
LNAV MDA	460-½	455 (500-½)	460-¾	455 (500-¾)		
CIRCLING	500-1 494 (500-1)	520-1 514 (600-1)	620-1¾ 614 (700-¾)	620-2 614 (700-2)		



SCHOLES INTL AT GALVESTON (GLS)  
RNAV (GPS) RWY 18

SC-5, 07 AUG 2025 to 02 OCT 2025



GALVESTON, TEXAS

AL-164 (FAA)

25219

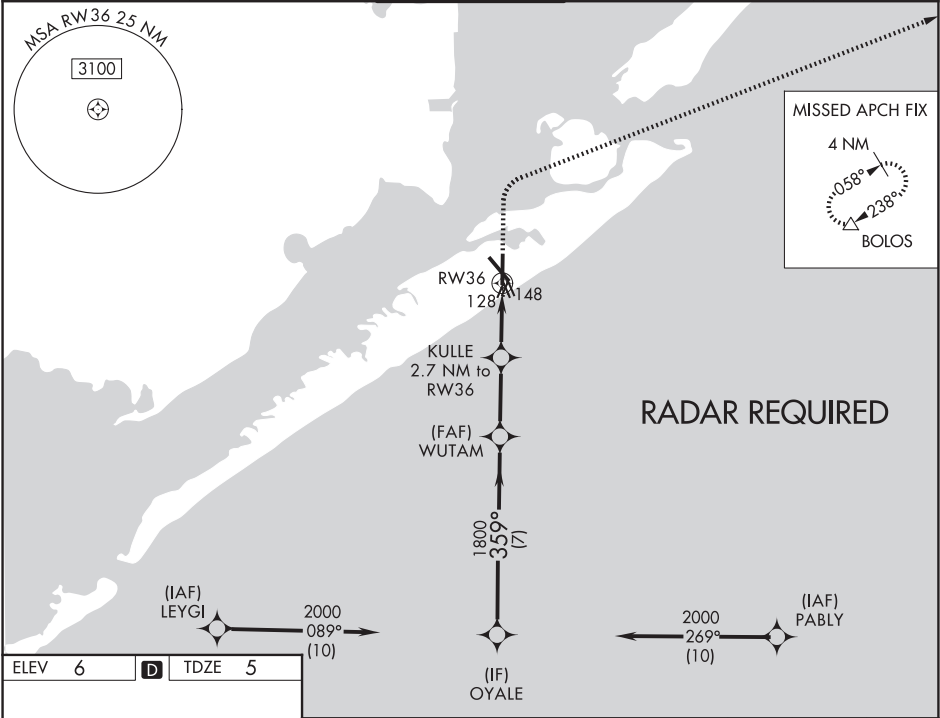
WAAS CH <b>48831</b> <b>W36A</b>	APP CRS <b>359°</b>	Rwy Ldg TDZE <b>5</b> Apt Elev <b>6</b>
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RNAV (GPS) RWY 36  
SCHOLES INTL AT GALVESTON (GLS)

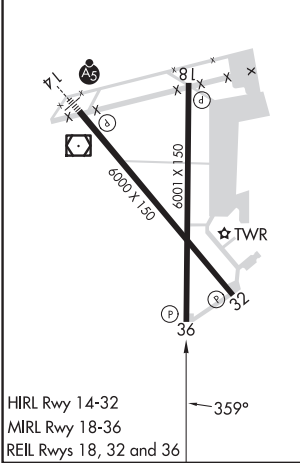
**⚠** When VGSi inop, Straight-in/Circling Rwy 36 procedure NA at night. Circling NA east of Rwy 18 and northeast of Rwy 32. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use William P Hobby altimeter setting; increase all MDA 80 feet. Increase LP Cat C/D/E visibility 1/8 SM, LNAV Cat C/D/E visibility 1/8 SM and Circling Cat C/D/E visibility 1/4 SM.

**MISSED APPROACH:**  
Climb to 800 then climbing right turn to 2000 direct BOLOS and hold.

ASOS <b>123.95</b>	HOUSTON APP CON <b>134.45 284.0</b>	GALVESTON TOWER ★ <b>120.575</b> (CTAF) <b>0</b>	GND CON <b>118.625</b>	CLNC DEL <b>135.35</b> (When twr closed)	UNICOM <b>123.05</b>
-----------------------	--	---	---------------------------	--	-------------------------



ELEV 6	<b>D</b>	TDZE 5
--------	----------	--------



HIRL Rwy 14-32  
MIRL Rwy 18-36  
REIL Rwy 18, 32 and 36

800

↑

2000

↗

BOLOS

△

OYALE

2000

359°

WUTAM

1800

3.00°

TCH 45

KULLE

2.7 NM to RW36

900

RW36

7 NM

2.8 NM

2.7 NM

CATEGORY		A		B		C		D		E	
LP	MDA	440-1	435 (500-1)			440-1¼	435 (500-1¼)				
LNAV	MDA	460-1	455 (500-1)			460-1⅜	455 (500-1⅜)				
CIRCLING		500-1	520-1			620-1¾	620-2			620-2¼	
		494 (500-1)	514 (600-1)			614 (700-1¾)	614 (700-2)			614 (700-2¼)	

GALVESTON, TEXAS  
Amdt 1B 02DEC21

29°16'N-94°52'W

SCHOLES INTL AT GALVESTON (GLS)  
RNAV (GPS) RWY 36

SC-5, 07 AUG 2025 to 02 OCT 2025

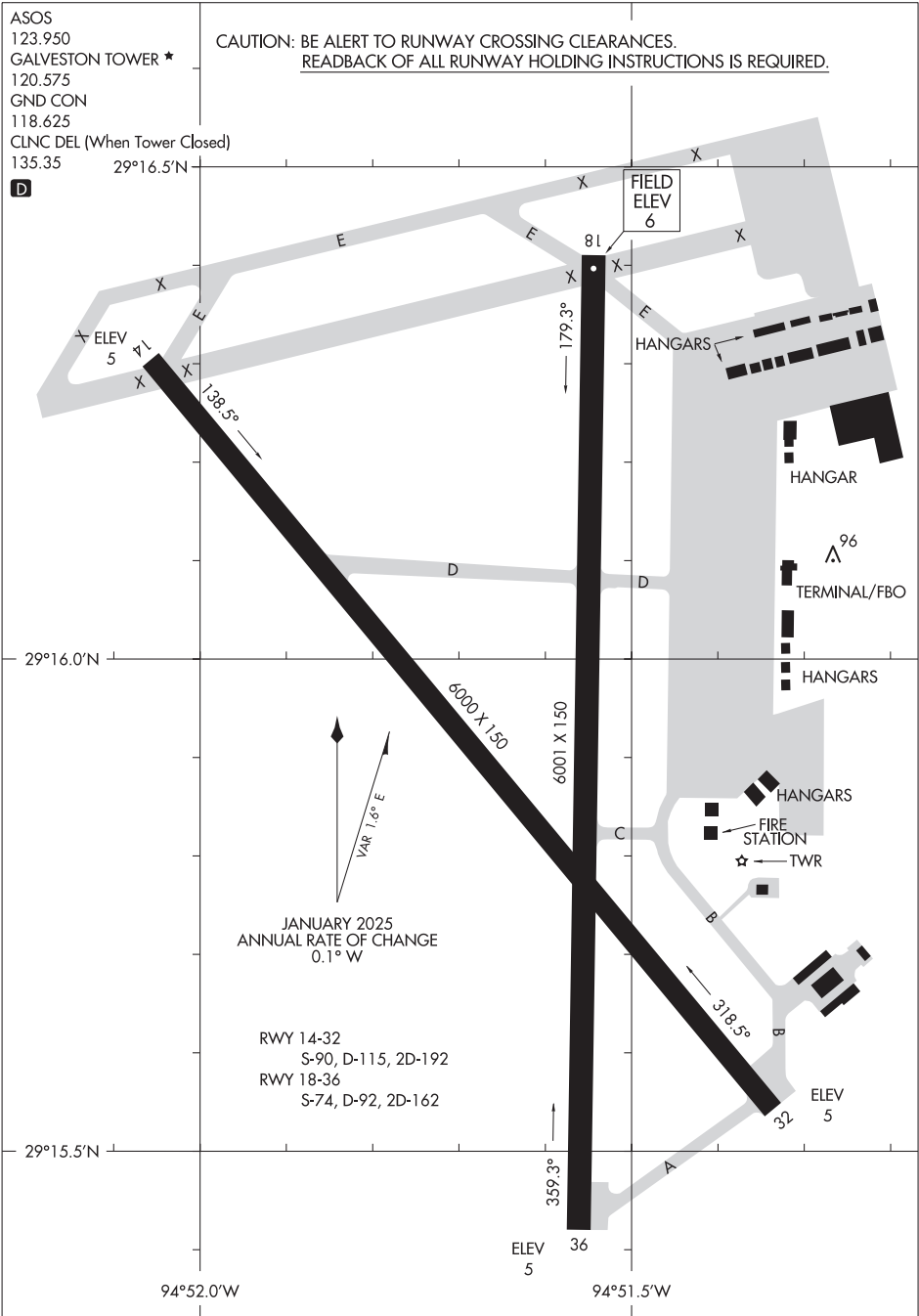
SC-5, 07 AUG 2025 to 02 OCT 2025

VOR RWY 14  
SCHOLES INTL AT GALVESTON (GLS)

**MISSED APPROACH:** Climb to 1200 then climbing right turn to 3000 on heading 284° and VUH VOR/DME R-243 to DELVE/22.1 DME and hold.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

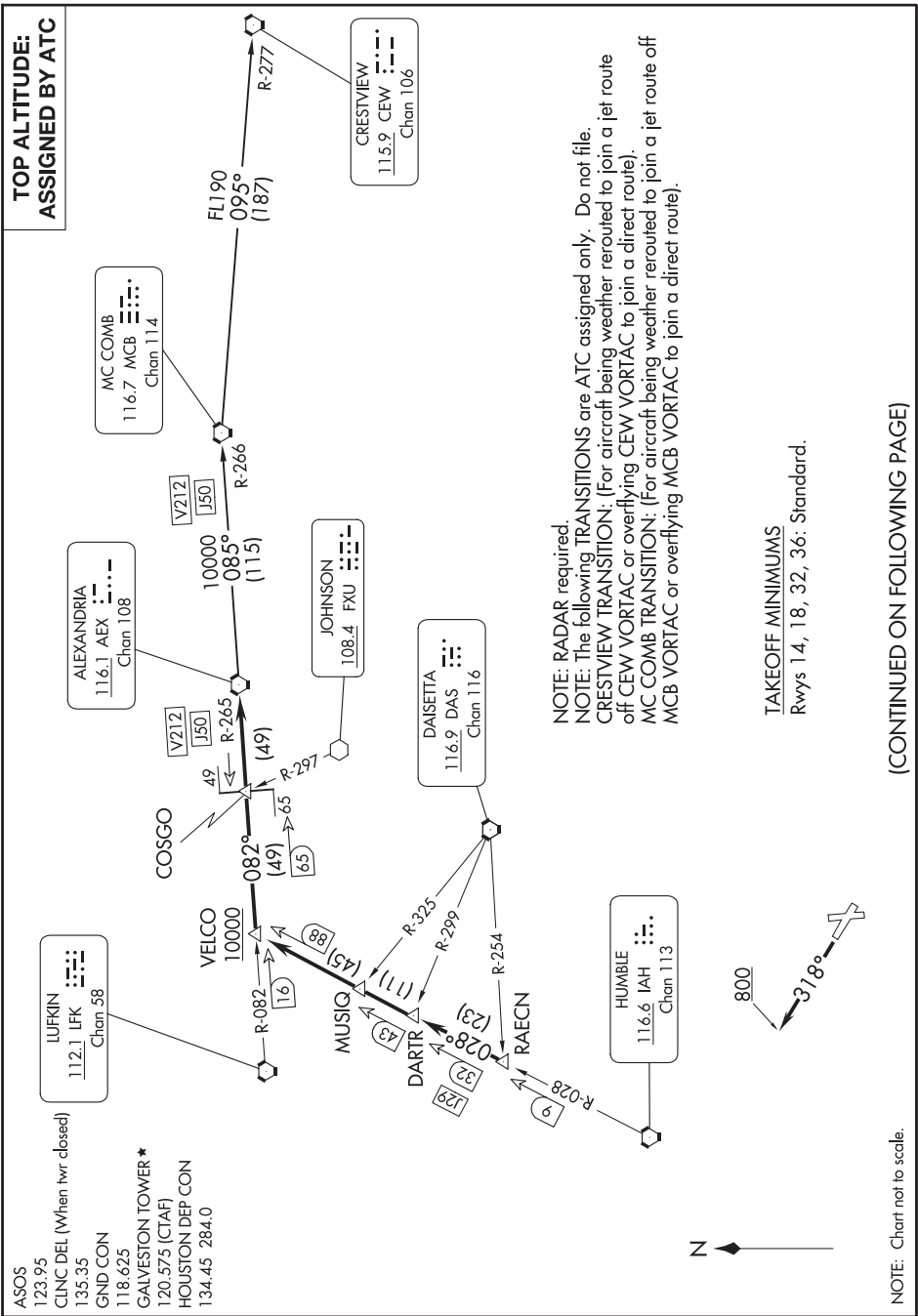


SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

ALEXANDRIA THREE DEPARTURE

SC-5, 07 AUG 2025 to 02 OCT 2025



ALEXANDRIA THREE DEPARTURE

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . . on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

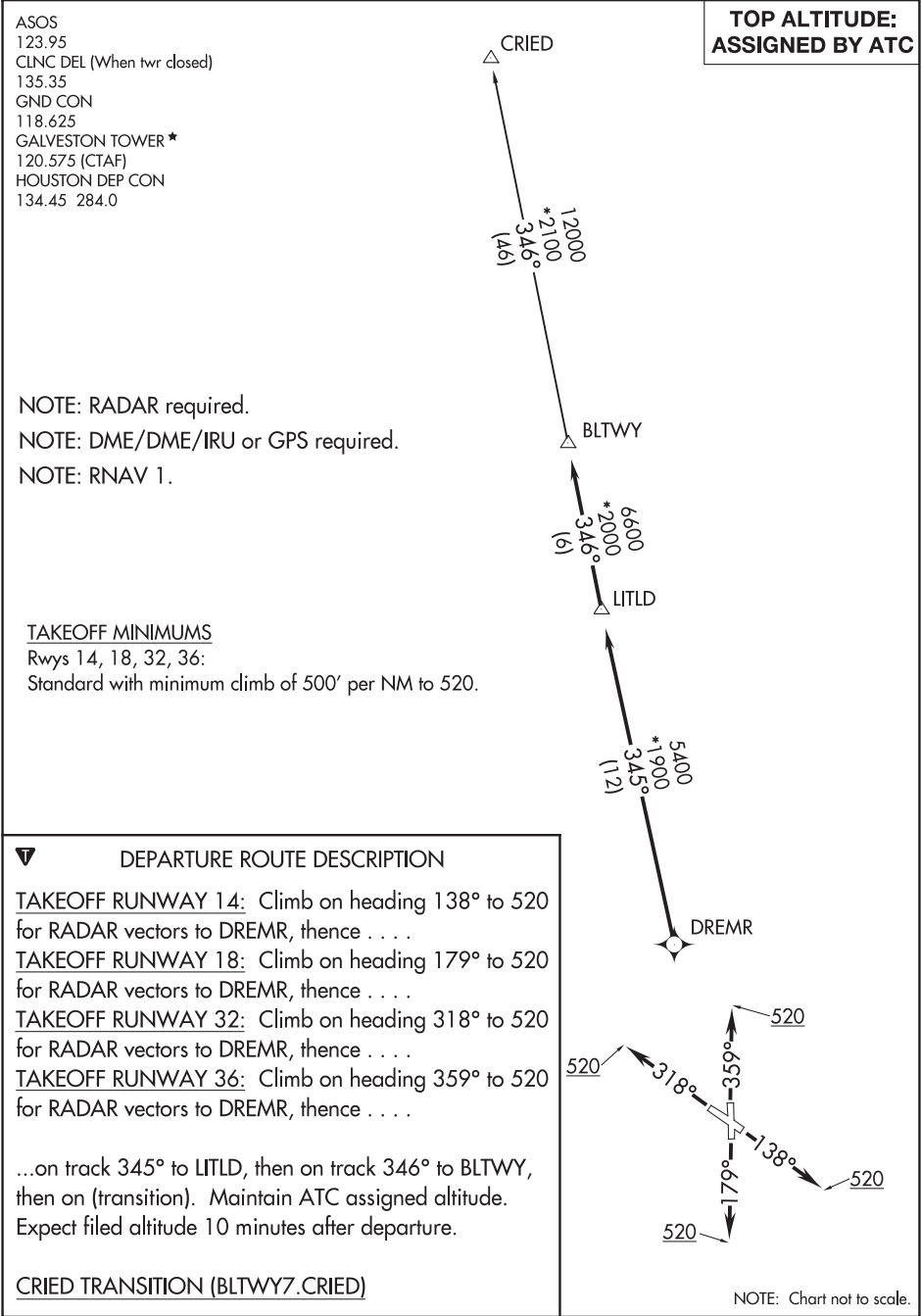
CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

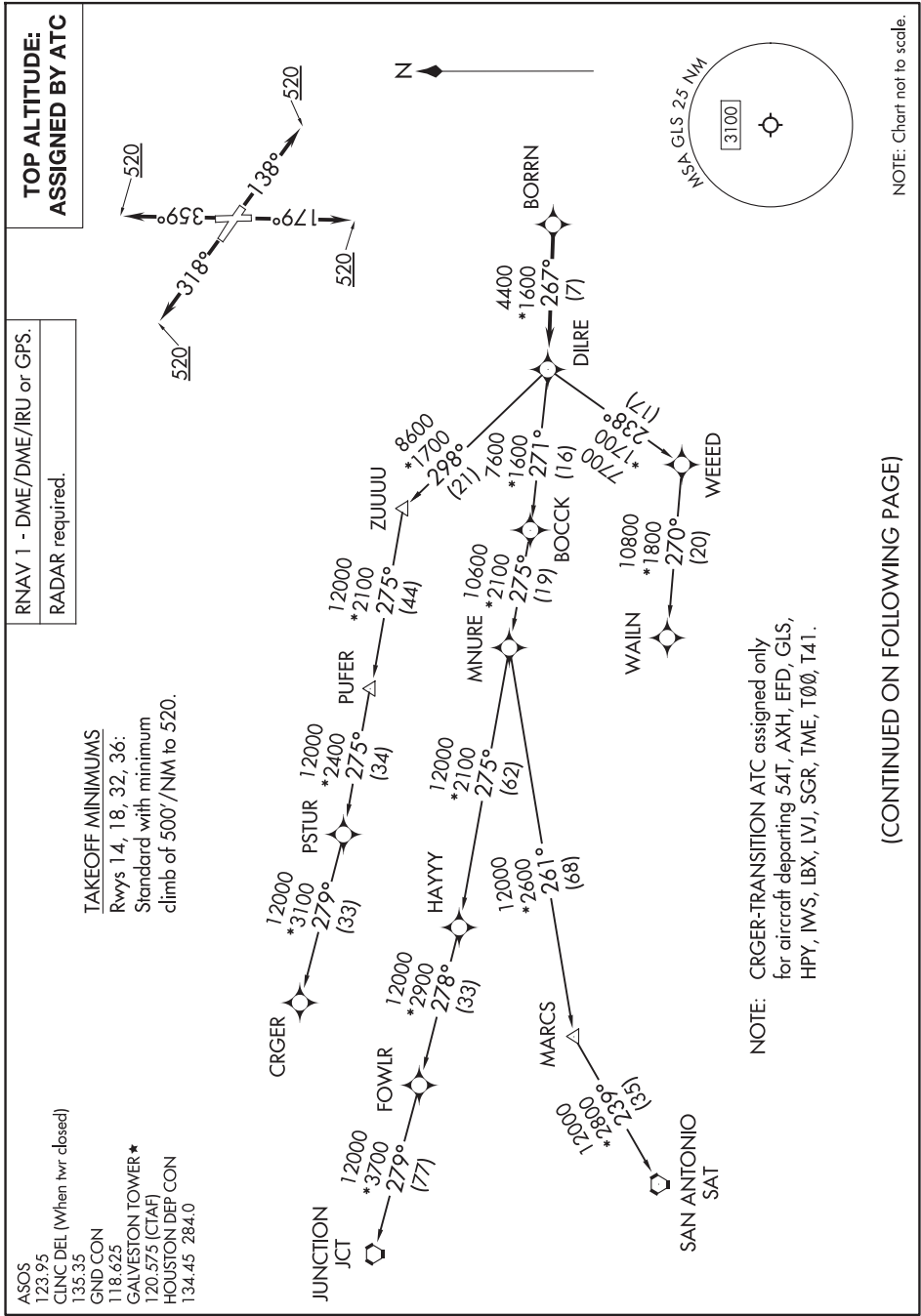
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





BORRN SIX DEPARTURE (RNAV)



BORRN SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 138° to 520, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 18: Climb on heading 179° to 520, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 520, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 359° to 520, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(Cried1.Cried) 24193

SCHOLES INTL AT GALVESTON (GLS)

Cried One Departure

AL-164 (FAA)

GALVESTON, TEXAS

ASOS  
123.95  
CLNC DEL (When twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

CEDAR CREEK  
114.8 CQY  
Chan 95

LUFKIN  
112.1 LFK  
Chan 58

NAVASOTA  
115.9 TNV  
Chan 106

HUMBLE  
116.6 IAH  
Chan 113

NOTE: RADAR required.

TAKEOFF MINIMUMS  
Rwys 14, 18, 32, 36: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, then . . . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, then . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

Cried One Departure

(Cried1.Cried) 07OCT21

GALVESTON, TEXAS

SCHOLES INTL AT GALVESTON (GLS)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025


## EL DORADO ONE DEPARTURE

ASOS  
123.95  
CLNC DEL (When twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER ★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

EL DORADO  
115.5 ELD :-:.  
Chn 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK   
Chan 58

A diagram of a road with two exits. Exit 95 is labeled 'R-066' and 'ENJOY'. Exit 88 is labeled 'VELCO 10000'. A question mark points to the road between the exits.

MUSIQ / S

DARTF

RAECN

DAISETTA  
0.9 DAS   
Chan 116

HUMBLE  
116.6 IAH :--.  
Chan 113

## TAKEOFF MINIMUMS

Rwys 14, 18, 32, 36: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## EL DORADO ONE DEPARTURE

GALVESTON, TEXAS

SCHOLLS INTL AT GALVESTON (GLS)

(ELD1.ELD) 07OCT21

EL DORADO ONE DEPARTURE

GALVESTON, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.


SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

ASOS	123.95
CLNC DEL (when twr closed)	135.35
GND CON	118.625
GALVESTON TOWER ★	120.575 (CTAF)
HOUSTON DEP CON	134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: For aircraft destined for the DFW terminal area only.

LEONA  
110.8 LOA   
Chgn 45

GIFFA  
10000

## TAKEOFF MINIMUMS


Rwys 14, 18, 32, 36: Standard.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT, maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure. Thence . . . .

**TAKEOFF RUNWAY 32:** Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure. Thence . . . .

... on IAH R-358 to cross GIFFA INT at or above 10000.

DAISETTA  
116.9 DAS   
Chap. 116

HUMBLE  
116.6 IAH  $\div$   
Chan 113

800  $\swarrow$   $\nwarrow$  318°

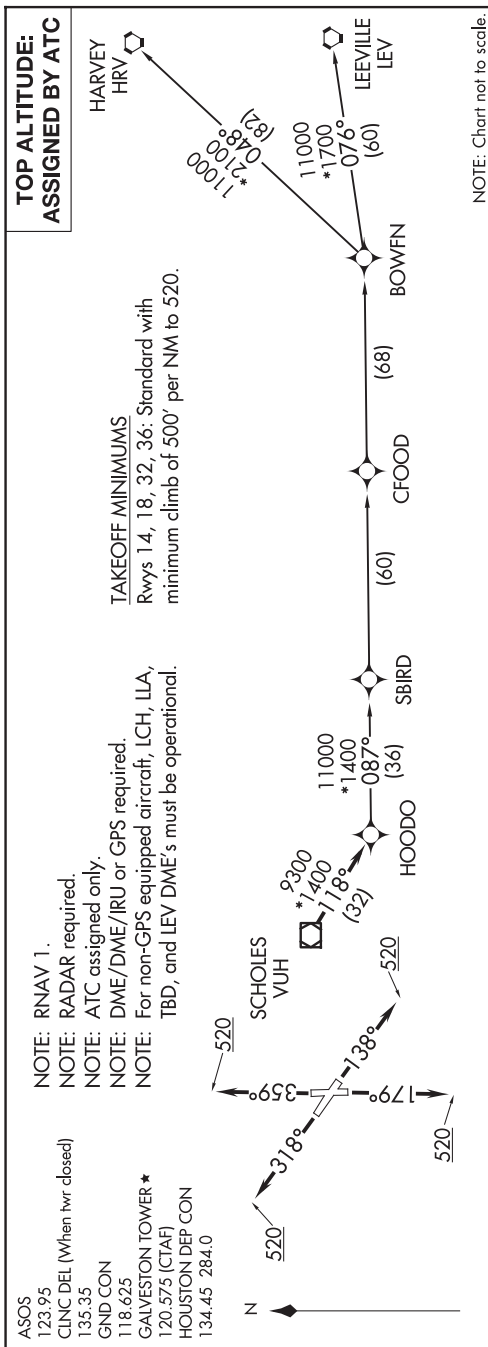
## GIFFA ONE DEPARTURE

(GIFFA1.GIFFA) 07OCT21

GALVESTON, TEXAS

SCHOLLS INTL AT GALVESTON (GLS)

## HOODO SEVEN DEPARTURE (RNAV)



HOODO SEVEN DEPARTURE (RNAV)  
(HOODO7.HOODO) 07OCT21

GALVESTON, TEXAS

SCHOLES INTL AT GALVESTON (GLS)

## DEPARTURE ROUTE DESCRIPTION

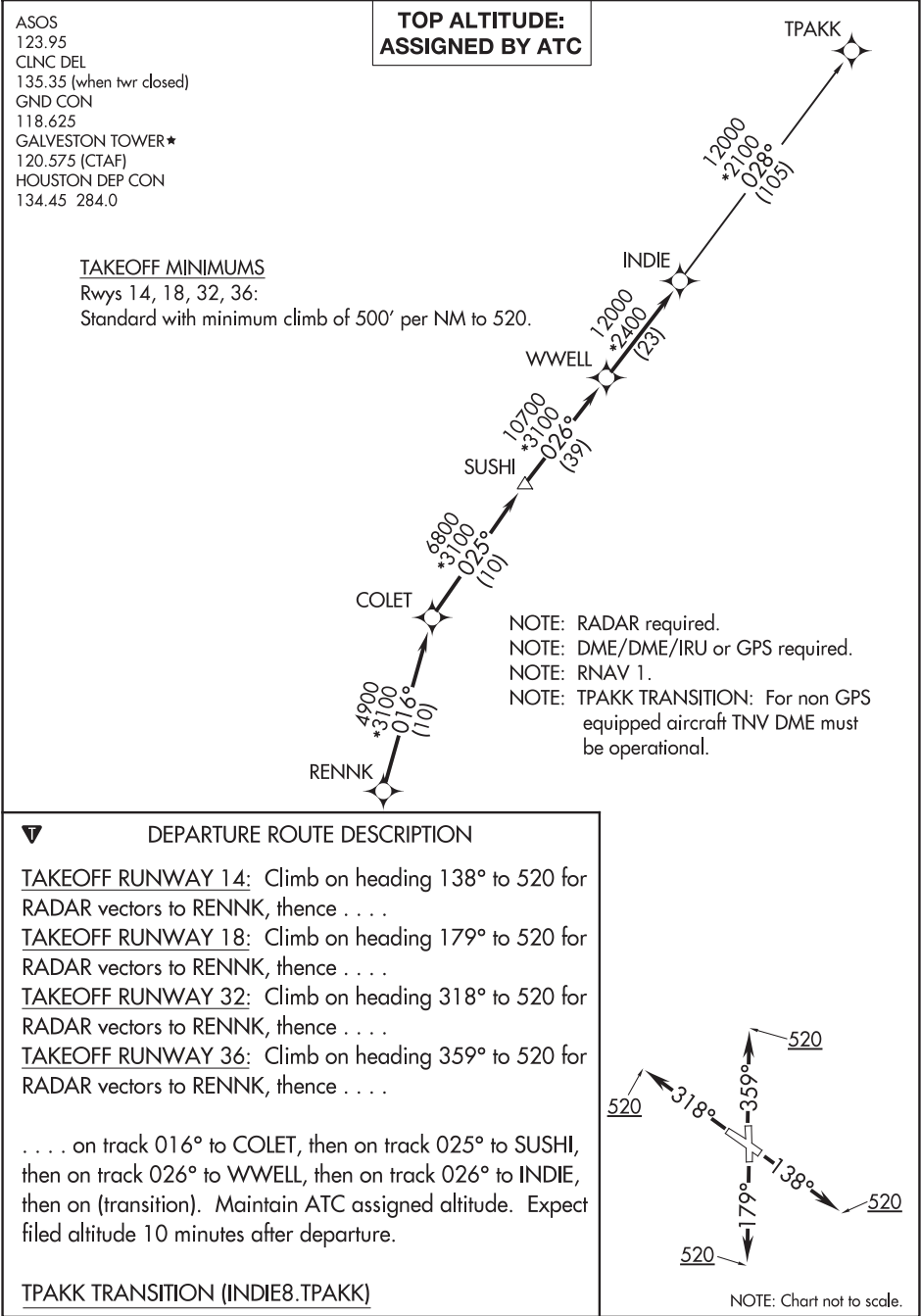
TAKEOFF RUNWAY 14: Climb on heading 138° to 520, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 18: Climb on heading 179° to 520, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 32: Climb on heading 318° to 520, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 36: Climb on heading 359° to 520, for RADAR vectors to VUH VOR/DME, thence . . . .

... on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOOD07.BOWFN)  
CFOOD TRANSITION (HOOD07.CFOOD)  
HARVEY TRANSITION (HOOD07.HRV)  
LEEVILLE TRANSITION (HOOD07.LEV)  
SBIRD TRANSITION (HOOD07.SBIRD)

NOTE: Chart not to scale.





SC-5, 07 AUG 2025 to 02 OCT 2025

RNAV-1 DME/DME/IRU or GPS.

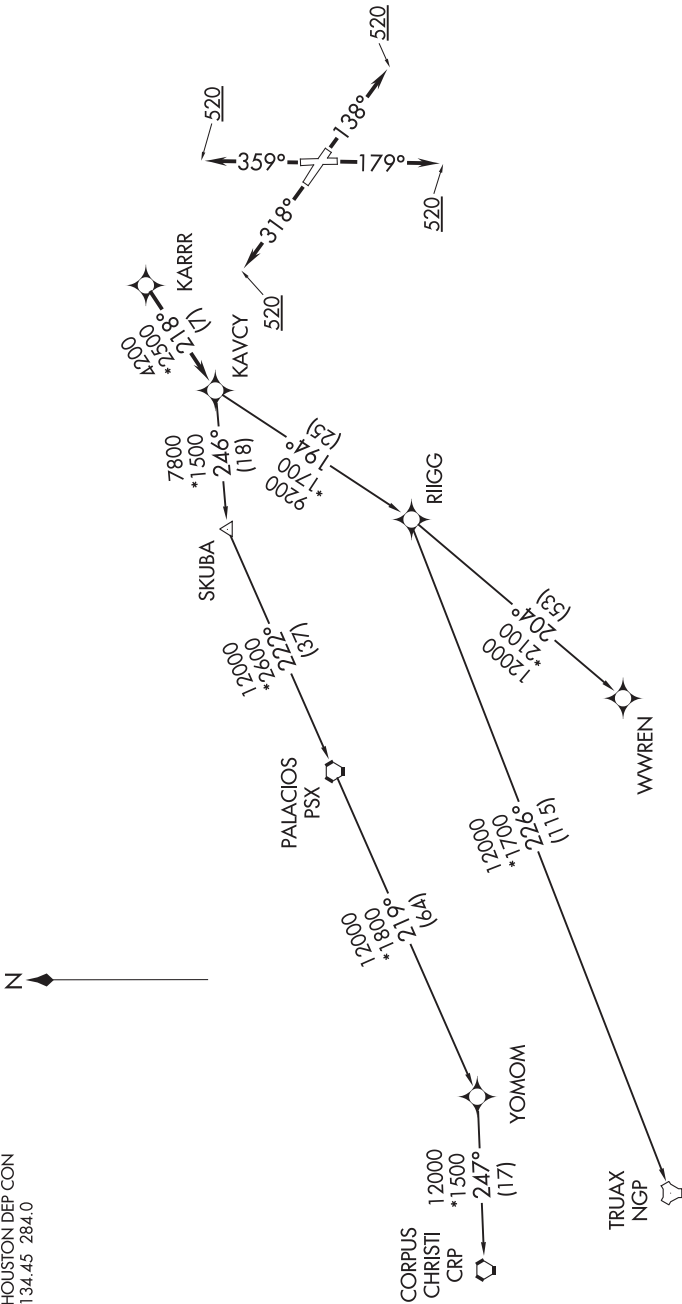
RADAR required.

ASOS  
123.95  
CLNC DEL (When twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER ★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

## TAKEOFF MINIMUMS

Rwys 14, 18, 32, 36: Standard with minimum climb of 500' per NM to 520.

**TOP ALTITUDE:  
ASSIGNED BY ATC**



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

KARRR SEVEN DEPARTURE (RNAV)  
(KARRR7.KARRR) 29DEC22

GALVESTON, TEXAS  
SCHOLES INTL AT GALVESTON (GLS)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 138° to 520, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 18: Climb on heading 179° to 520, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 520, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 359° to 520, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

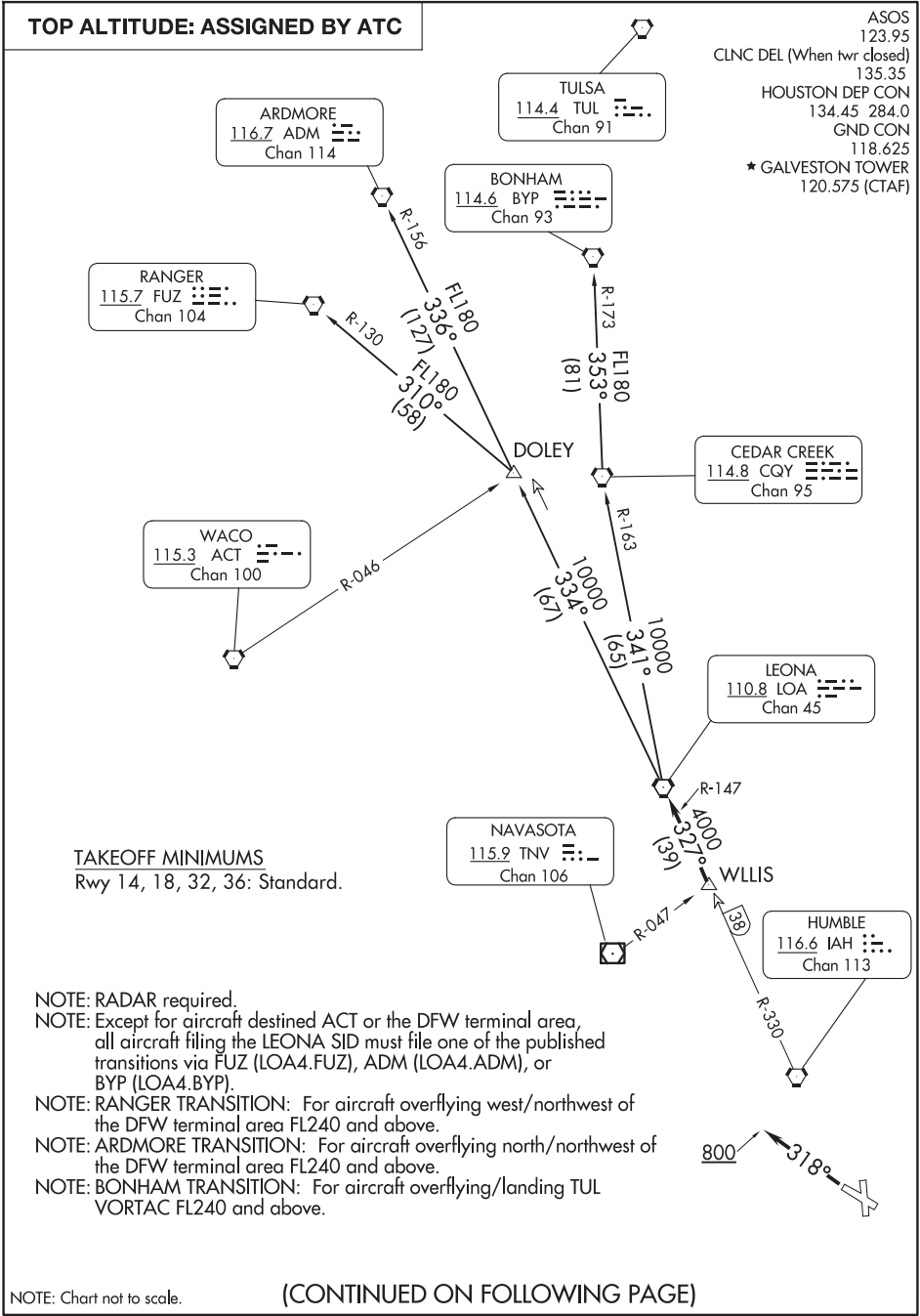
(LOA4.LOA) 24137

LEONA FOUR DEPARTURE

AL-164 (FAA)

SCHOLES INTL AT GALVESTON (GLS)

GALVESTON, TEXAS





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

(LFK3.LFK) 24137

LUFKIN THREE DEPARTURE

AL-164 (FAA)

SCHOLES INTL AT GALVESTON (GLS)  
GALVESTON, TEXAS

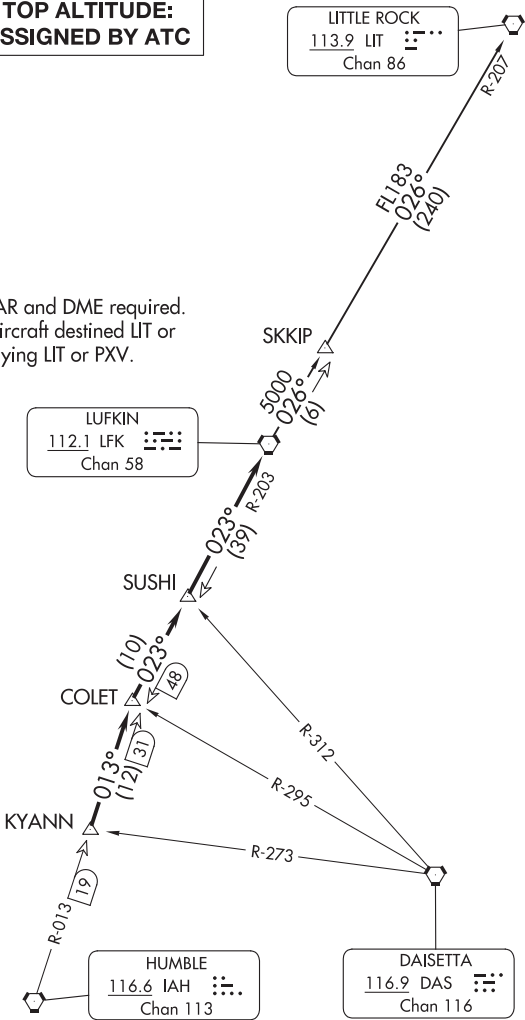
ASOS  
123.95  
CLNC DEL (When twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER ★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

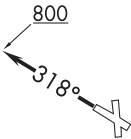
LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS  
Rwys 14, 18, 32, 36: Standard.



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

GALVESTON, TEXAS

SCHOLES INTL AT GALVESTON (GLS)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 18, 36:

When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 32:

Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT):

From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

(LURIC8.LURIC) 22307

LURIC EIGHT DEPARTURE (RNAV)

150

AL-164 (FAA)

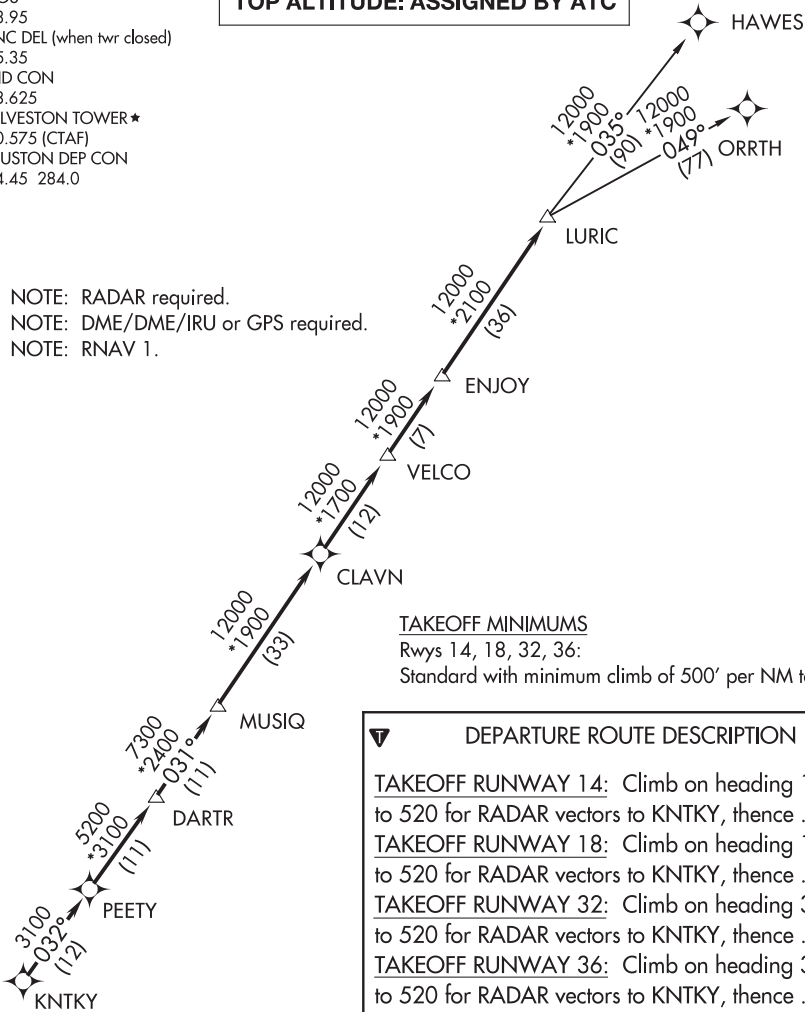
SCHOLES INTL AT GALVESTON (GLS)

GALVESTON, TEXAS

ASOS  
123.95  
CLNC DEL (when twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER ★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS

Rwys 14, 18, 32, 36:

Standard with minimum climb of 500' per NM to 520.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 138°

to 520 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 18: Climb on heading 179°

to 520 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 32: Climb on heading 318°

to 520 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 36: Climb on heading 359°

to 520 for RADAR vectors to KNTKY, thence . . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)

(LURIC8.LURIC) 07OCT21

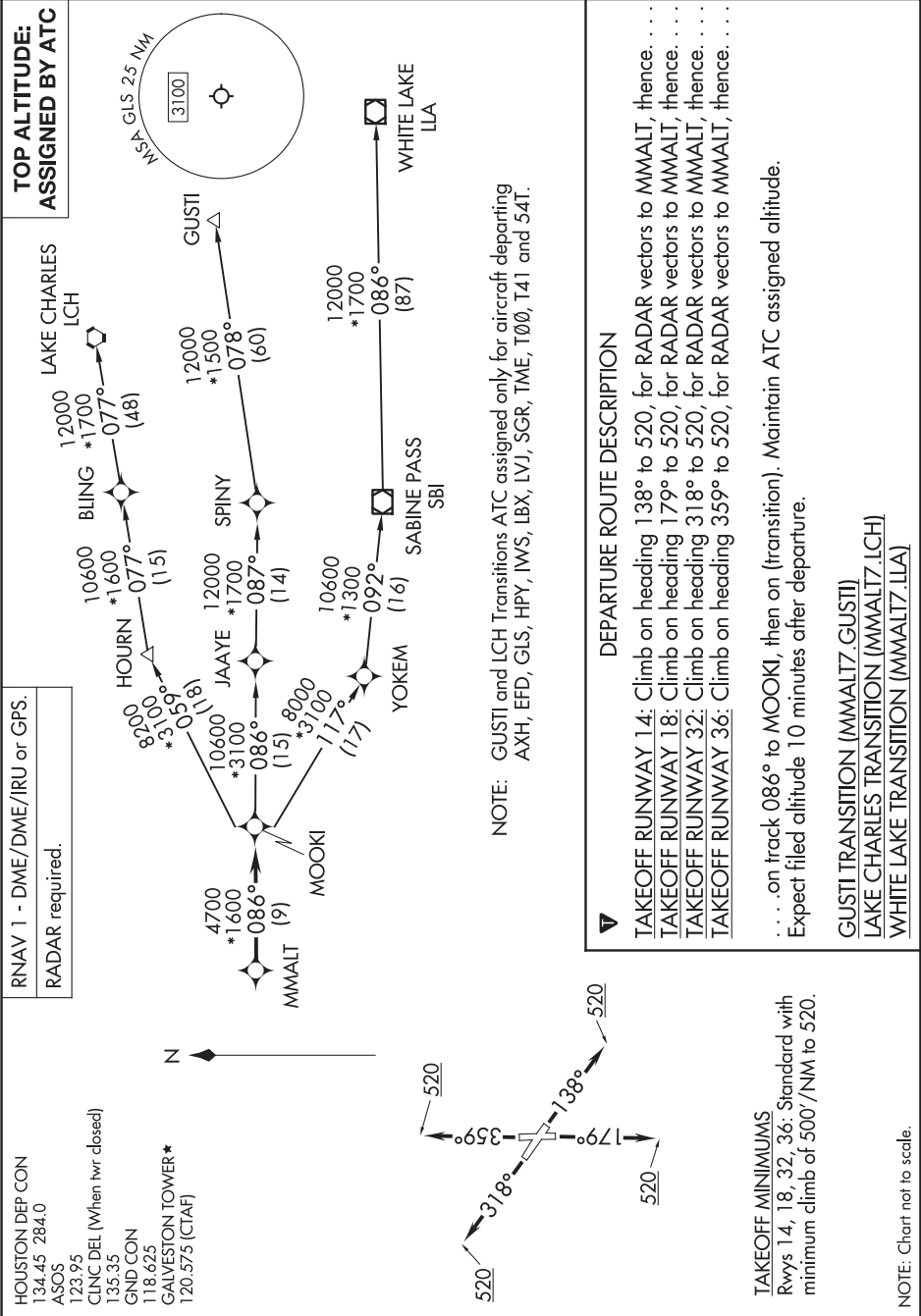
GALVESTON, TEXAS

SCHOLES INTL AT GALVESTON (GLS)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





STRYA EIGHT DEPARTURE (RNAV)

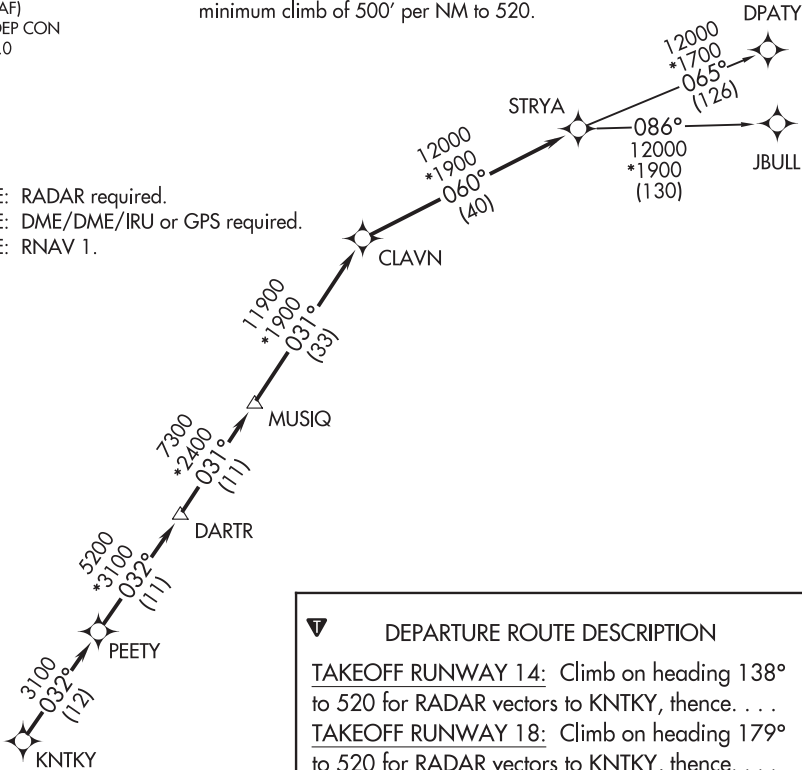
TOP ALTITUDE: ASSIGNED BY ATC

ASOS  
123.95  
CLNC DEL (when twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER ★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

TAKEOFF MINIMUMS

Rwys 14, 18, 32, 36: Standard with  
minimum climb of 500' per NM to 520.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 138° to 520 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 18: Climb on heading 179° to 520 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 32: Climb on heading 318° to 520 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 36: Climb on heading 359° to 520 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)

JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

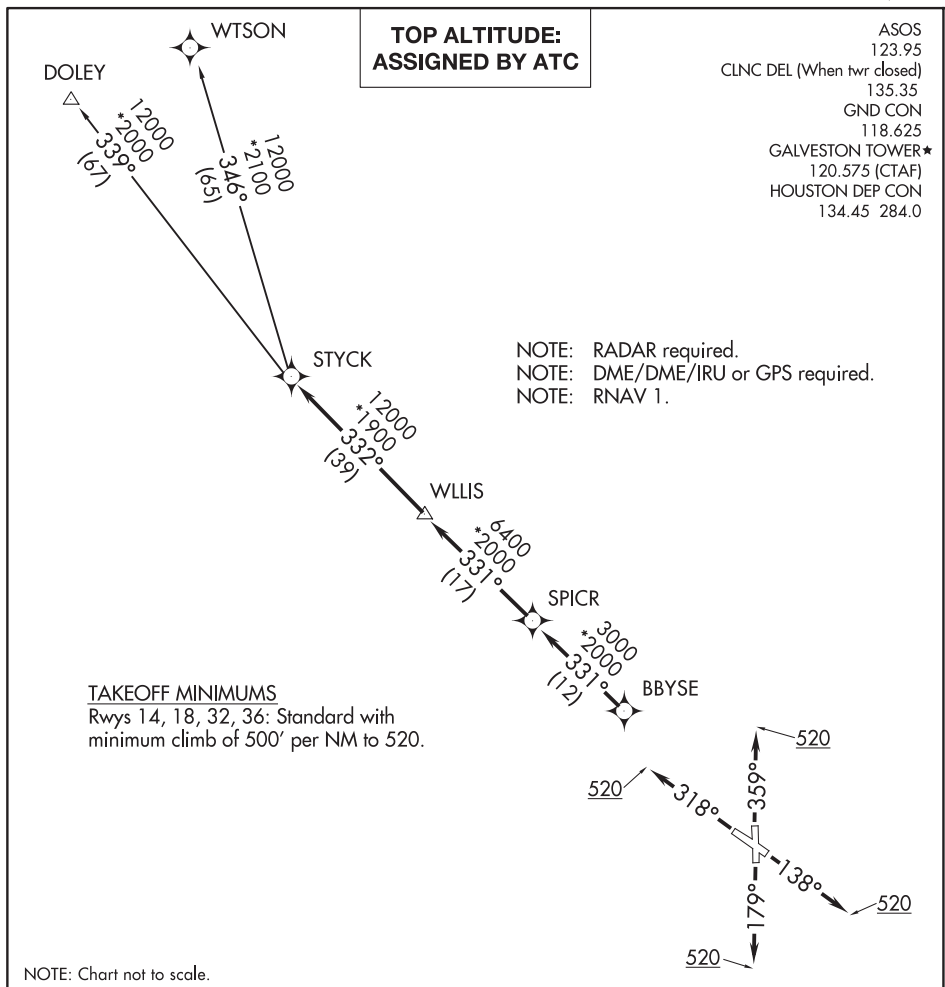
STRYA EIGHT DEPARTURE (RNAV)

(STRYA8.STRYA) 07OCT21

GALVESTON, TEXAS  
SCHOLES INTL AT GALVESTON (GLS)

SCHOLES INTL AT GALVESTON (GLS)  
GALVESTON, TEXAS

GALVESTON, TEXAS



TAKEOFF RUNWAY 14: Climb on heading 138° to 520 for RADAR vectors to BBYSE, thence. . .  
 TAKEOFF RUNWAY 18: Climb on heading 179° to 520 for RADAR vectors to BBYSE, thence. . .  
 TAKEOFF RUNWAY 32: Climb on heading 318° to 520 for RADAR vectors to BBYSE, thence. . .  
 TAKEOFF RUNWAY 36: Climb on heading 359° to 520 for RADAR vectors to BBYSE, thence. . .  
 . . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then  
 on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after  
 departure.

SCHOLLS INTL AT GALVESTON (GLS)

(WATFO6.WATFO) 23222

WATFO SIX DEPARTURE (RNAV)

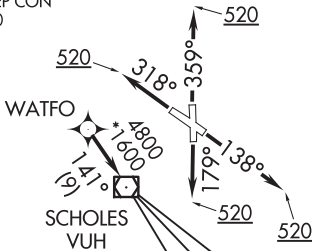
AL-164 (FAA)

SCHOLES INTL AT GALVESTON (GLS)  
GALVESTON, TEXAS

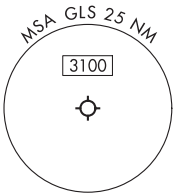
ASOS  
123.95  
CLNC DEL (When twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC



TAKEOFF MINIMUMS  
Rwy 14, 18, 32, 36: Standard with minimum  
climb of 500'/NM to 520.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 138° to 520, for RADAR vectors to WATFO, thence. . .  
TAKEOFF RUNWAY 18: Climb on heading 179° to 520, for RADAR vectors to WATFO, thence. . .  
TAKEOFF RUNWAY 32: Climb on heading 318° to 520, for RADAR vectors to WATFO, thence. . .  
TAKEOFF RUNWAY 36: Climb on heading 359° to 520, for RADAR vectors to WATFO, thence. . .  
...on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)  
KELPP TRANSITION (WATFO6.KELPP)  
MUSYL TRANSITION (WATFO6.MUSYL)

WATFO SIX DEPARTURE (RNAV)

(WATFO6.WATFO) 10AUG23

GALVESTON, TEXAS  
SCHOLES INTL AT GALVESTON (GLS)

ASOS  
123.95  
CLNC DEL (When twr closed)  
135.35  
GND CON  
118.625  
GALVESTON TOWER ★  
120.575 (CTAF)  
HOUSTON DEP CON  
134.45 284.0

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwys 14, 18, 32, 36: Standard with  
minimum climb of 500' per NM to 520.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 138° to 520 for RADAR vectors to WYLSN, thence. . . .

TAKEOFF RUNWAY 18: Climb on heading 179° to 520 for RADAR vectors to WYLSN, thence. . . .

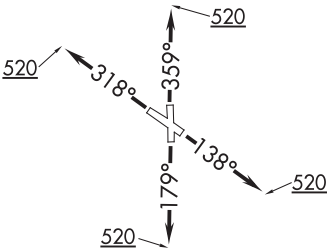
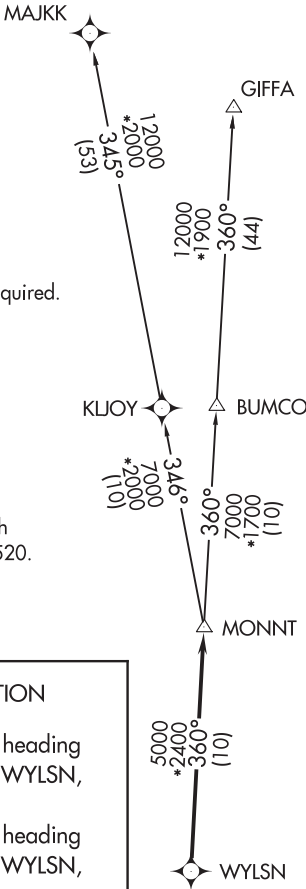
TAKEOFF RUNWAY 32: Climb on heading 318° to 520 for RADAR vectors to WYLSN, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 359° to 520 for RADAR vectors to WYLSN, thence. . . .

. . . .on track 360° to MONNT, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.

GIDDINGS, TEXAS

AL-6499 (FAA)

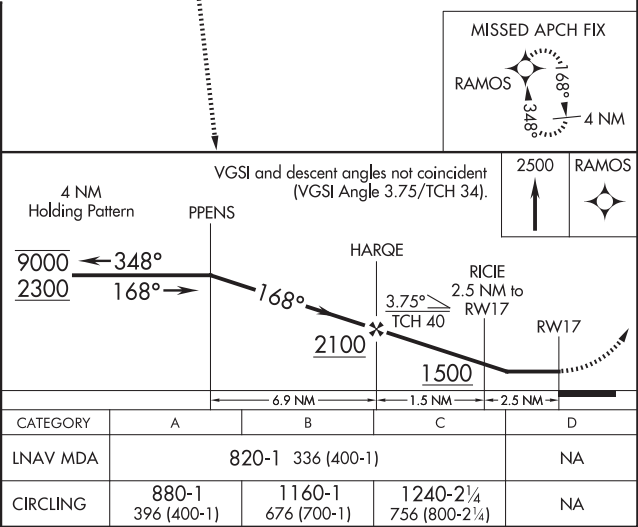
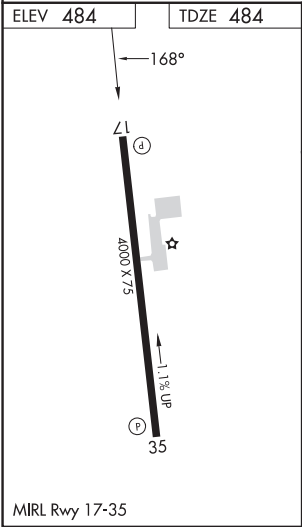
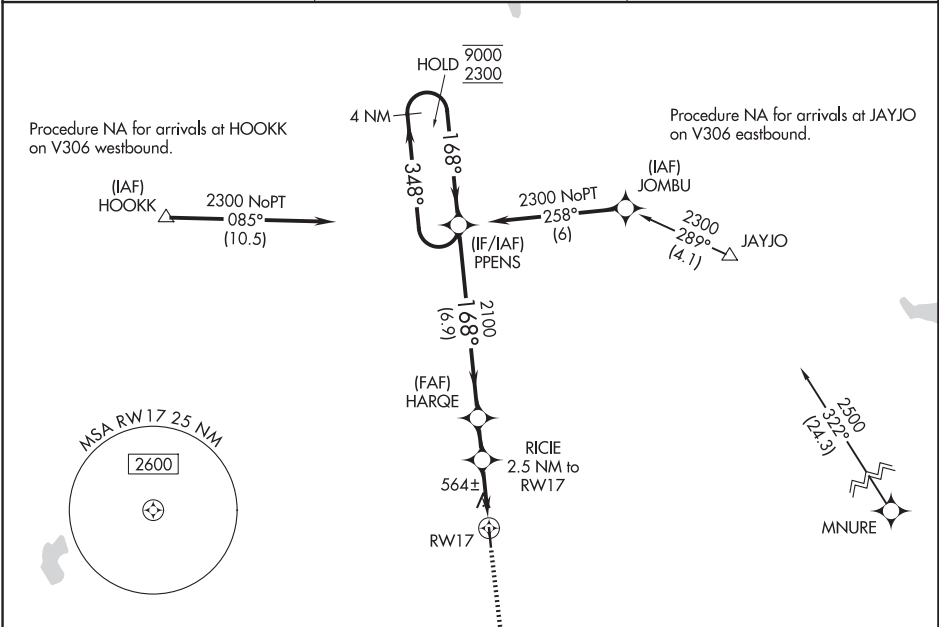
25219

APP CRS	Rwy Ldg	4000
168°	TDZE	484
	Apt Elev	484

RNAV (GPS) RWY 17  
GIDDINGS-LEE COUNTY (GYB)

RNP APCH - GPS.	Procedure NA at night. Rwy 17 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use AUS altimeter setting and increase all MDAs 100 feet and LNAV visibility Cat C ¼ SM, and Circling visibility Cat C ¼ SM.	MISSED APPROACH: Climb to 2500 direct RAMOS and hold.
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AWOS-3 119.225	AUSTIN APP CON 127.225 317.65	UNICOM 123.05 (CTAF)
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GIDDINGS, TEXAS

Amdt 1 20FEB25

30°10'N-96°59'W

GIDDINGS-LEE COUNTY (GYB)

RNAV (GPS) RWY 17

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025








WAAS CH <b>87122</b> <b>W36A</b>	APP CRS <b>358°</b>	Rwy Idg TDZE Apt Elev	<b>4001</b> <b>284</b> <b>285</b>
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RNAV (GPS) RWY 36

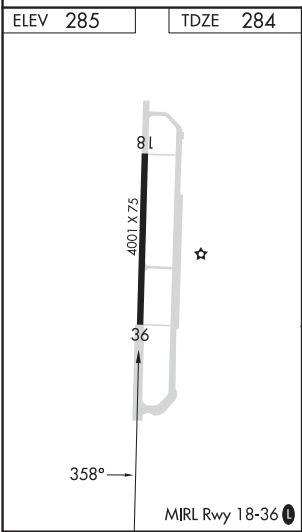
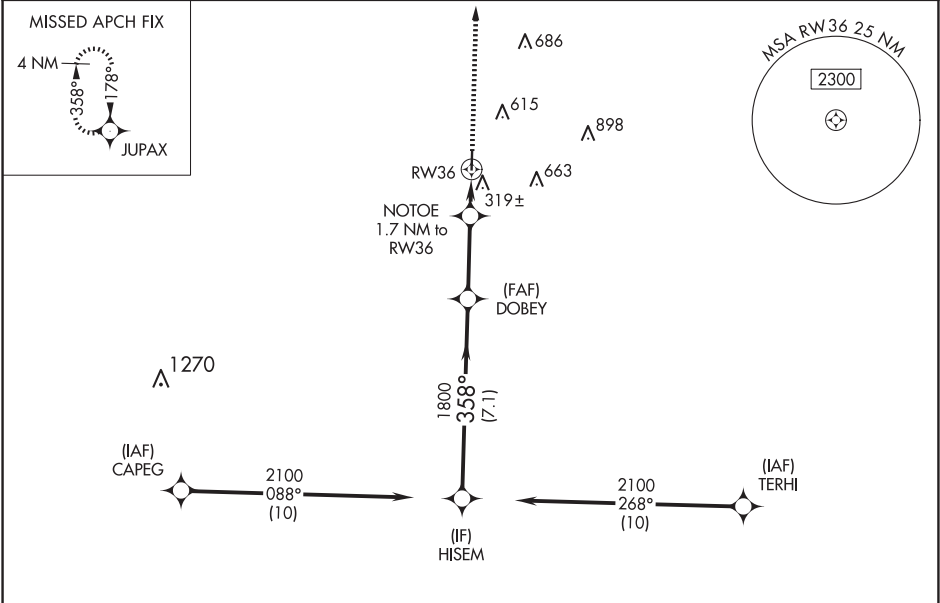
HEARNE MUNI (LHB)



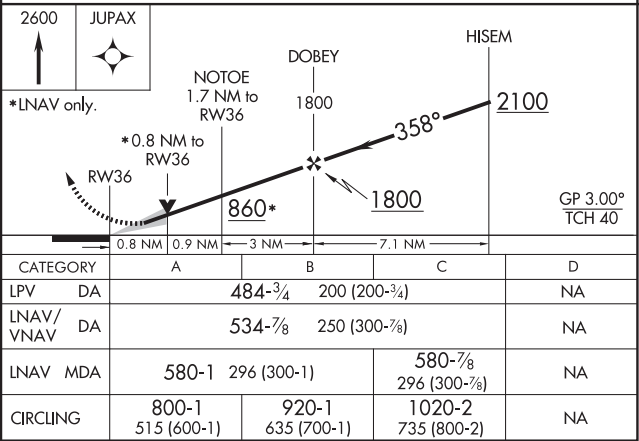
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use College Station altimeter setting and increase all DA 55 feet and all MDA 60 feet. Increase LPV, LNAV/VNAV all Cats and LNAV Cat C visibility ¼ mile. Increase Circling Cat C visibility ¼ mile. Baro-VNAV and VDP NA when using College Station altimeter setting.

MISSED APPROACH: Climb to 2600 direct JUPAX and hold.

AWOS-3 <b>118.675</b>	HOUSTON APP CON <b>134.3 360.85</b>	CTAF <b>122.9</b>	<b>123.3 0</b>
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RADAR REQUIRED



HOUSTON, TEXAS



AL-5573 (FAA)

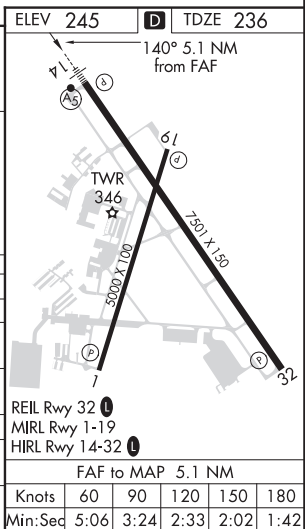
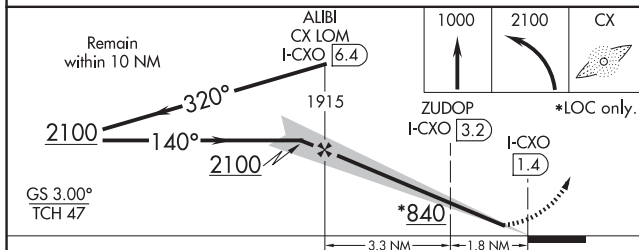
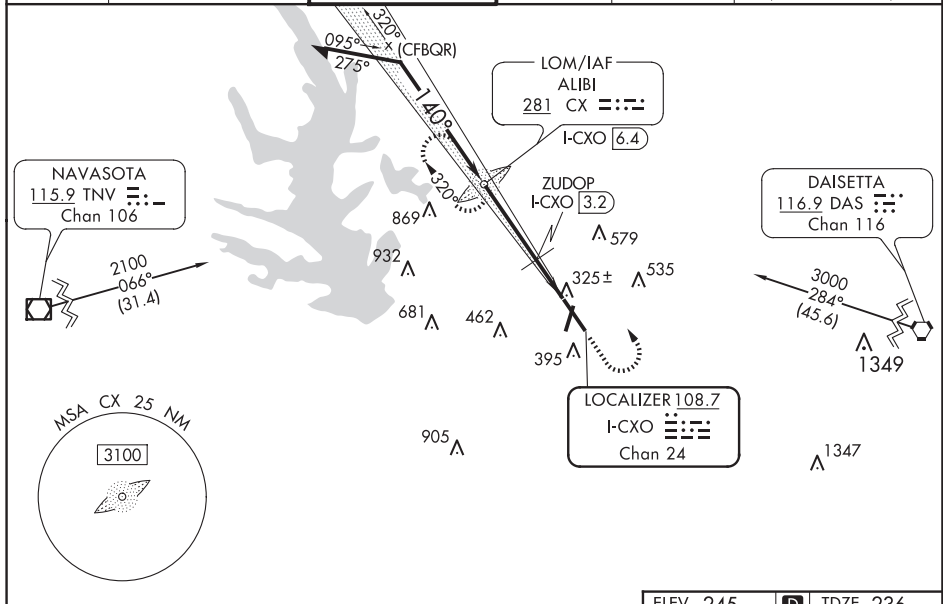
21336

LOC/DME I-CXO	APP CRS	Rwy Idg	7501
<b>108.7</b>	<b>140°</b>	TDZE	<b>236</b>
Chan <b>24</b>		Apt Elev	<b>245</b>

# ILS or LOC RWY 14

CONROE/NORTH HOUSTON RGNL (CXO)

ADF required.			<div>MALSR</div> <div></div>	<div>MISSED APPROACH: Climb to 1000 then climbing left turn to 2100 direct</div> <div>ALIBI LOM/I-CXO 6.4 DME and hold.</div>	
<div><div><div><div><div></div><div></div></div><div></div></div></div><div>NA</div></div>					
<div>ATIS</div> <div>118.325</div>	<div>HOUSTON APP CON</div> <div>119.7 281.4</div>	<div>CONROE TOWER ★</div> <div>124.125 (CTAF) </div>	<div>GND CON</div> <div>120.45</div>	<div>CLNC DEL</div> <div>120.45</div>	<div>CLNC DEL</div> <div>119.55</div> <div>(When twr closed)</div>



HOUSTON, TEXAS  
Amdt 3C 25APR19

30°21'N-95°25'W

# CONROE/NORTH HOUSTON RGNL (CXO)

## ILS or LOC RWY 14

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



HOUSTON, TEXAS

AL-5573 (FAA)

21336

WAAS CH <b>99512</b> <b>W14A</b>	APP CRS <b>140°</b>	Rwy Idg <b>7501</b> TDZE <b>236</b> Apt Elev <b>245</b>
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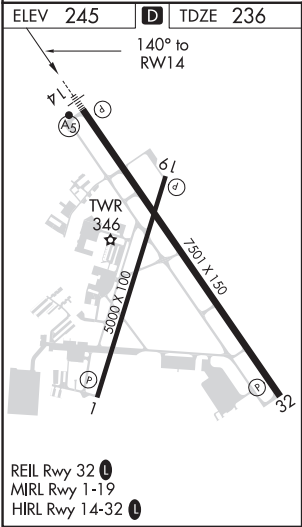
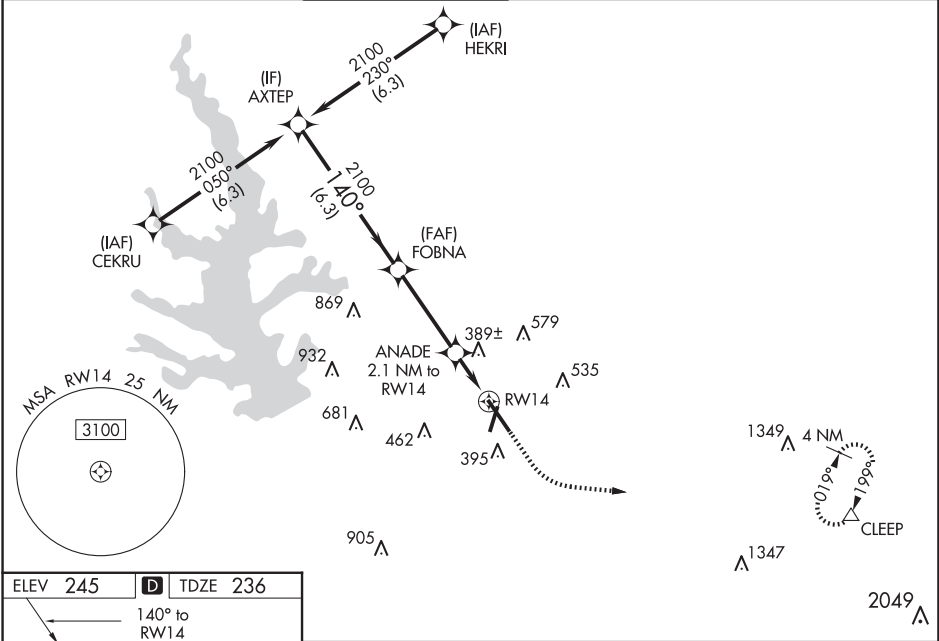
**RNAV (GPS) RWY 14**  
CONROE/NORTH HOUSTON RGNL (C'X'O)

**⚠** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (-22°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.



**MISSED APPROACH:** Climb to 700 then climbing left turn to 3100 direct CLEEP and hold.

ATIS <b>118.325</b>	HOUSTON APP CON <b>119.7 281.4</b>	CONROE TOWER ★ <b>124.125 (CTAF) 0</b>	GND CON <b>120.45</b>	CLNC DEL <b>120.45</b>	CLNC DEL <b>119.55</b> (When twr closed)
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ELEV 245		D TDZE 236	
140° to RWY14		GP 3.00° TCH 47	
AXTEP		FOBNA	
2100		2100	
140°		2100	
2100		ANADE 2.1 NM to RWY14	
*940		*1.1 NM to RWY14	
6.3 NM		3.6 NM	
1 NM		1.1 NM	
CATEGORY	A	B	C
LPV DA	436-½		200 (200-½)
LNAV/VNAV DA	521-½		285 (300-½)
LNAV MDA	640-½	404 (400-½)	640-⅝ 404 (400-⅝)
CIRCLING	700-1	455 (500-1)	880-1¾ 635 (700-1¾) 960-2¼ 715 (800-2¼)

HOUSTON, TEXAS  
Amdt 1B 22JUN17

30°21'N-95°25'W

CONROE/NORTH HOUSTON RGNL (C'X'O)  
**RNAV (GPS) RWY 14**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>90219</b> <b>W19A</b>	APP CRS <b>192°</b>	Rwy Idg <b>5000</b> TDZE <b>237</b> Apt Elev <b>245</b>
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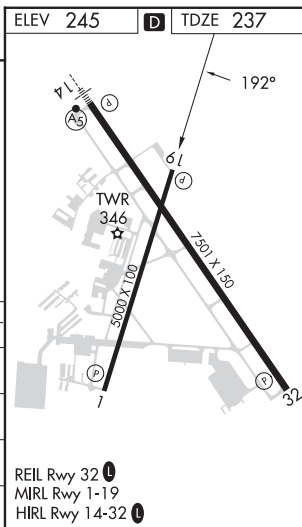
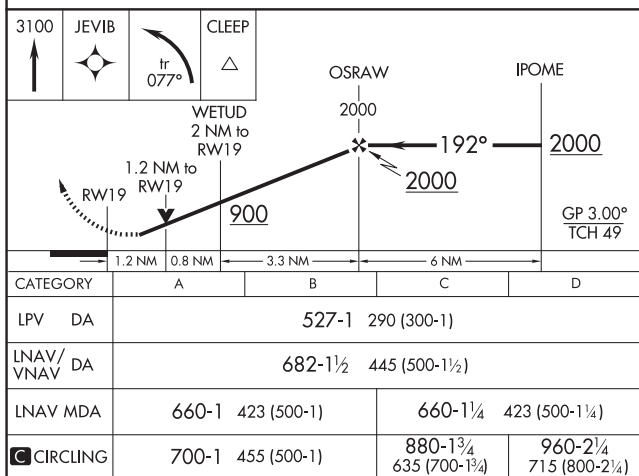
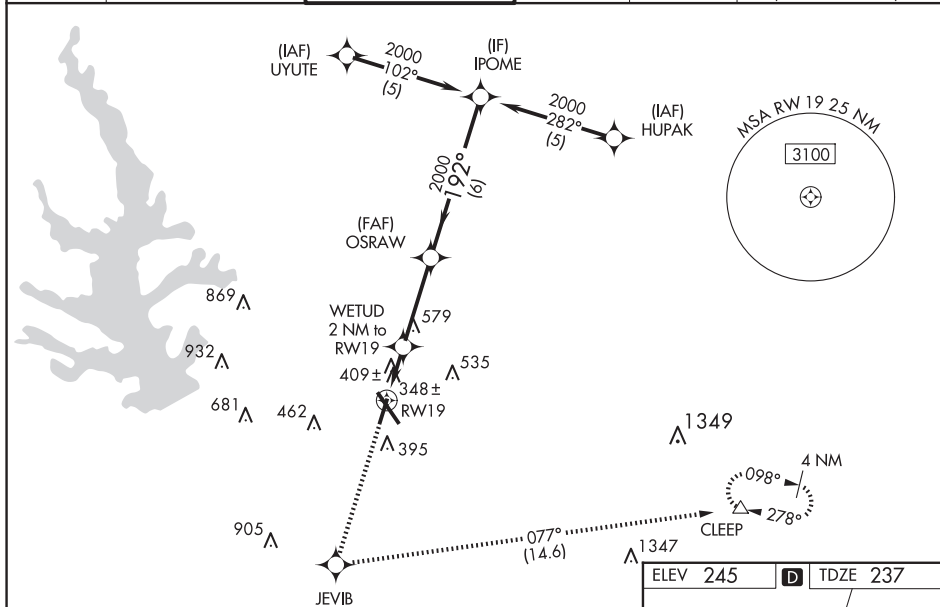
RNAV (GPS) RWY 19  
CONROE/NORTH HOUSTON RGNL (CXO)

RNP APCH - GPS.

**T** Rwy 19 helicopter visibility reduction below  $\frac{3}{4}$  SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use David Wayne Hooks Meme! altimeter setting and increase LPV DA to 584 feet and all visibilities  $\frac{1}{8}$  SM. Increase LNAV/VNAV DA to 739 feet; increase all MDAs 60 feet and LNAV visibility Cat C/D  $\frac{1}{8}$  SM, and Circling visibility Cat C/D  $\frac{1}{4}$  SM. Baro-VNAV and VDP NA when using David Wayne Hooks Meme! altimeter setting.

**MISSED APPROACH:** Climb to 3100 direct JEVIB and left turn on track 077° to CLEEP and hold.

ATIS <b>118.325</b>	HOUSTON APP CON <b>119.7 281.4</b>	CONROE TOWER ★ <b>124.125 (CTAF) 0</b>	GND CON <b>120.45</b>	CLNC DEL <b>120.45</b>	CLNC DEL <b>119.55</b> (When twr closed)
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-5573 (FAA)

21336

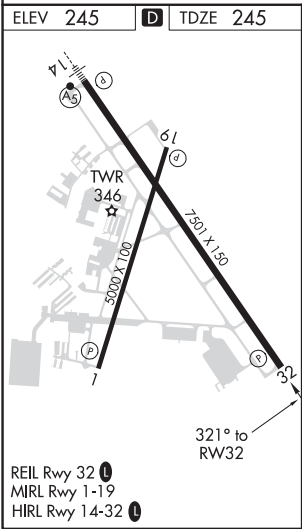
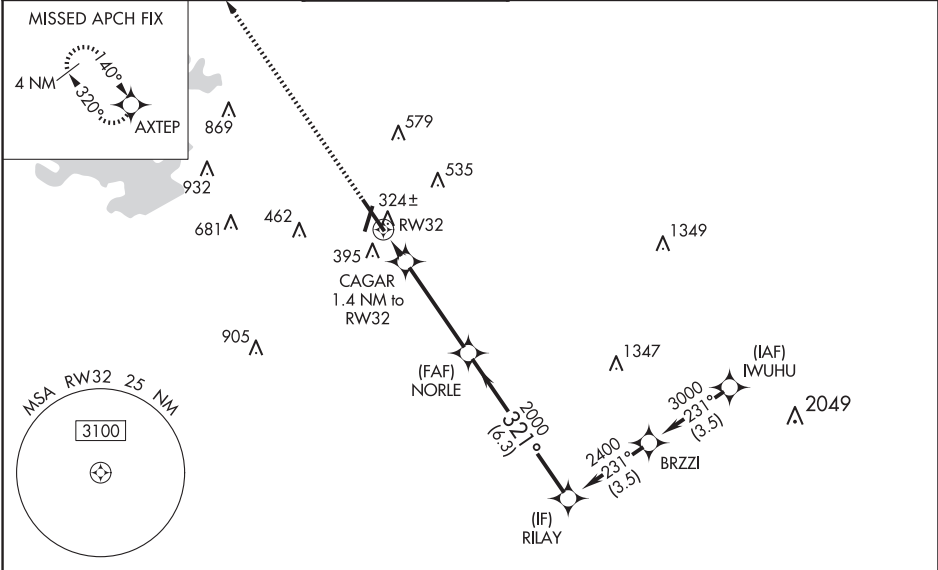
WAAS CH <b>62819</b> <b>W32A</b>	APP CRS <b>321°</b>	Rwy Idg <b>7501</b> TDZE <b>245</b> Apt Elev <b>245</b>
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**RNAV (GPS) RWY 32**  
CONROE/NORTH HOUSTON RGNL (CXXO)

**⚠** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (-22°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.  
**⚠** Rwy 32 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2100 direct AXTEP and hold.

ATIS <b>118.325</b>	HOUSTON APP CON <b>119.7 281.4</b>	CONROE TOWER ★ <b>124.125 (CTAF) 0</b>	GND CON <b>120.45</b>	CLNC DEL <b>120.45</b>	CLNC DEL <b>119.55</b> (When twr closed)
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2100	AXTEP				
*LNAV only.		CAGAR 1.4 NM to RW32		RILAY	
RW32		NORLE 2000		2400	
720*		2000		GP 3.00° TCH 50	
1.4 NM		4 NM		6.3 NM	
CATEGORY	A	B	C	D	
LPV DA	495-¾		250 (300-¾)		
LNAV/VNAV DA	505-⅞		260 (300-⅞)		
LNAV MDA	580-1		335 (400-1)		
CIRCLING	700-1	455 (500-1)	880-1¾ 635 (700-1¾)	960-2¼ 715 (800-2¼)	

HOUSTON, TEXAS  
Amdt 2A 22JUN17

CONROE/NORTH HOUSTON RGNL (CXXO)  
30°21'N-95°25'W  
**RNAV (GPS) RWY 32**

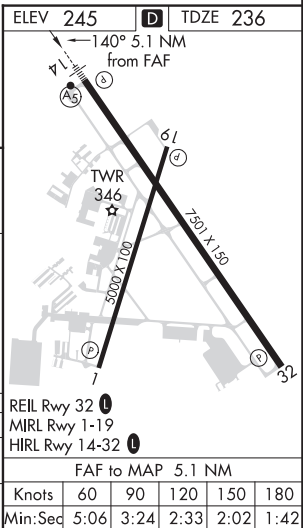
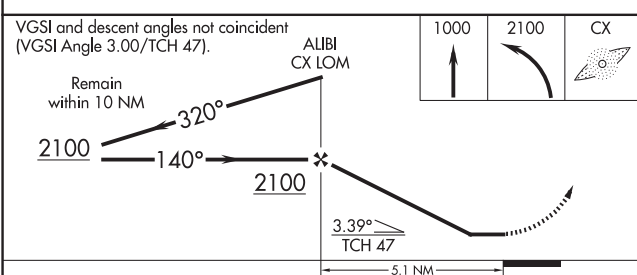
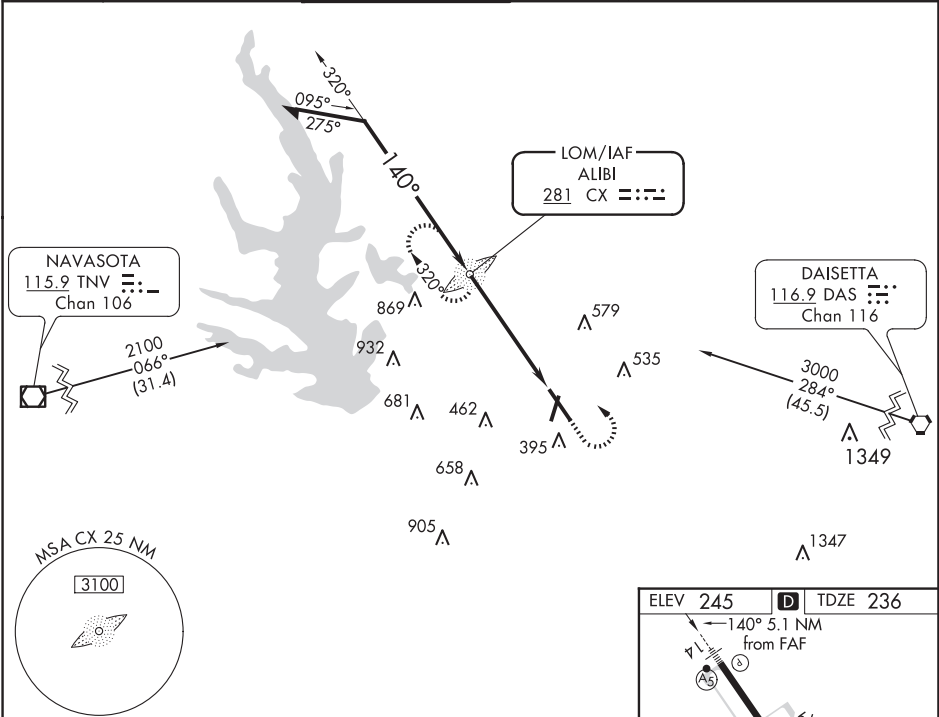
SC-5, 07 AUG 2025 to 02 OCT 2025

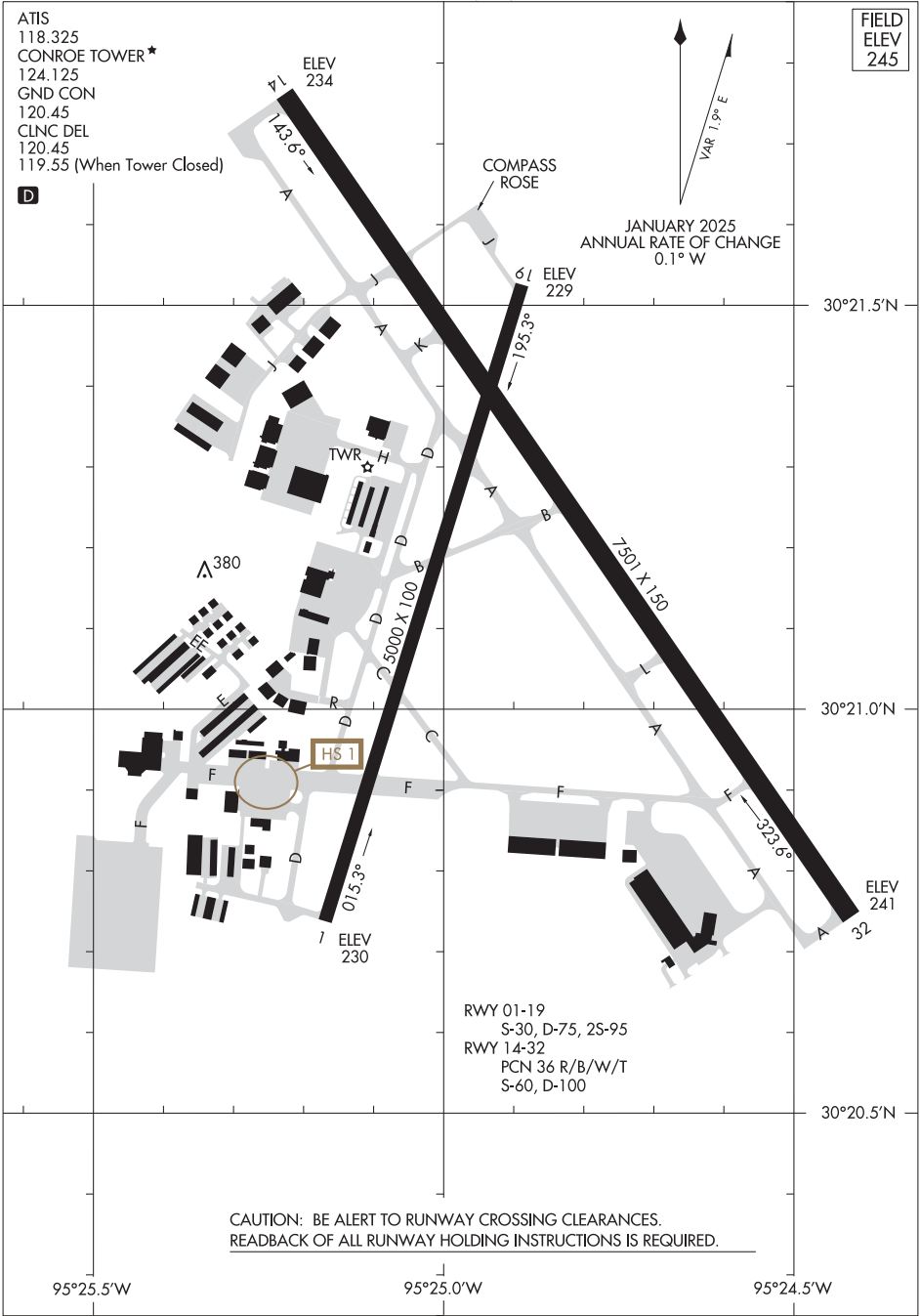
SC-5, 07 AUG 2025 to 02 OCT 2025

LOM CX	APP CRS	Rwy Idg	7501
281	140°	TDZE	236
		Apt Elev	245

NDB RWY 14  
CONROE/NORTH HOUSTON RGNL (CXO)

<div><div></div><div></div></div>		<div>MALSRL</div> <div><div></div><div></div></div>		MISSED APPROACH: Climb to 1000 then climbing left turn to 2100 direct ALIBI LOM and hold.	
ATIS	HOUSTON APP CON	CONROE TOWER ★	GND CON	CLNC DEL	CLNC DEL
118.325	119.7 281.4	124.125 (CTAF) 0	120.45	120.45	119.55 (When twr closed)





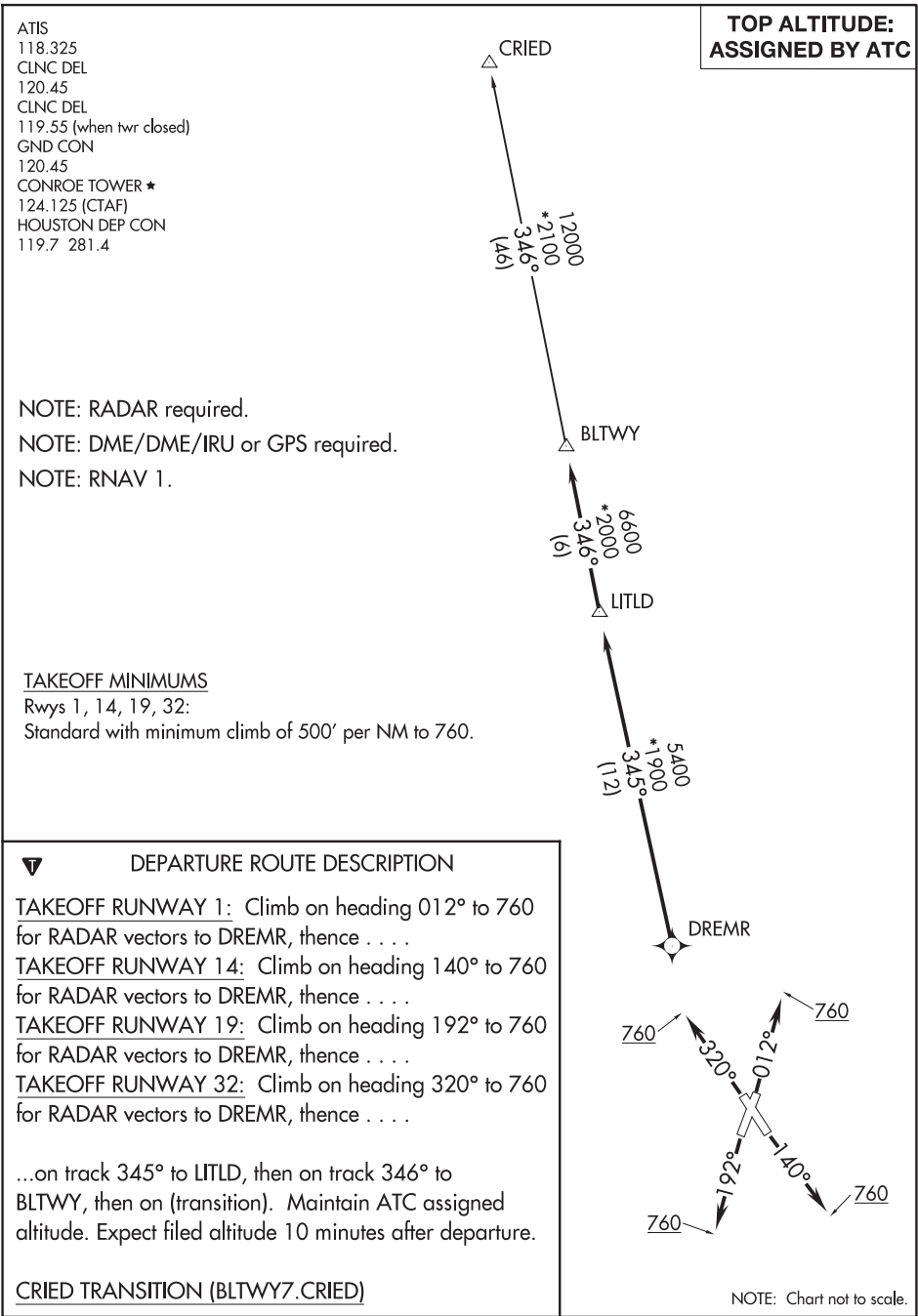
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



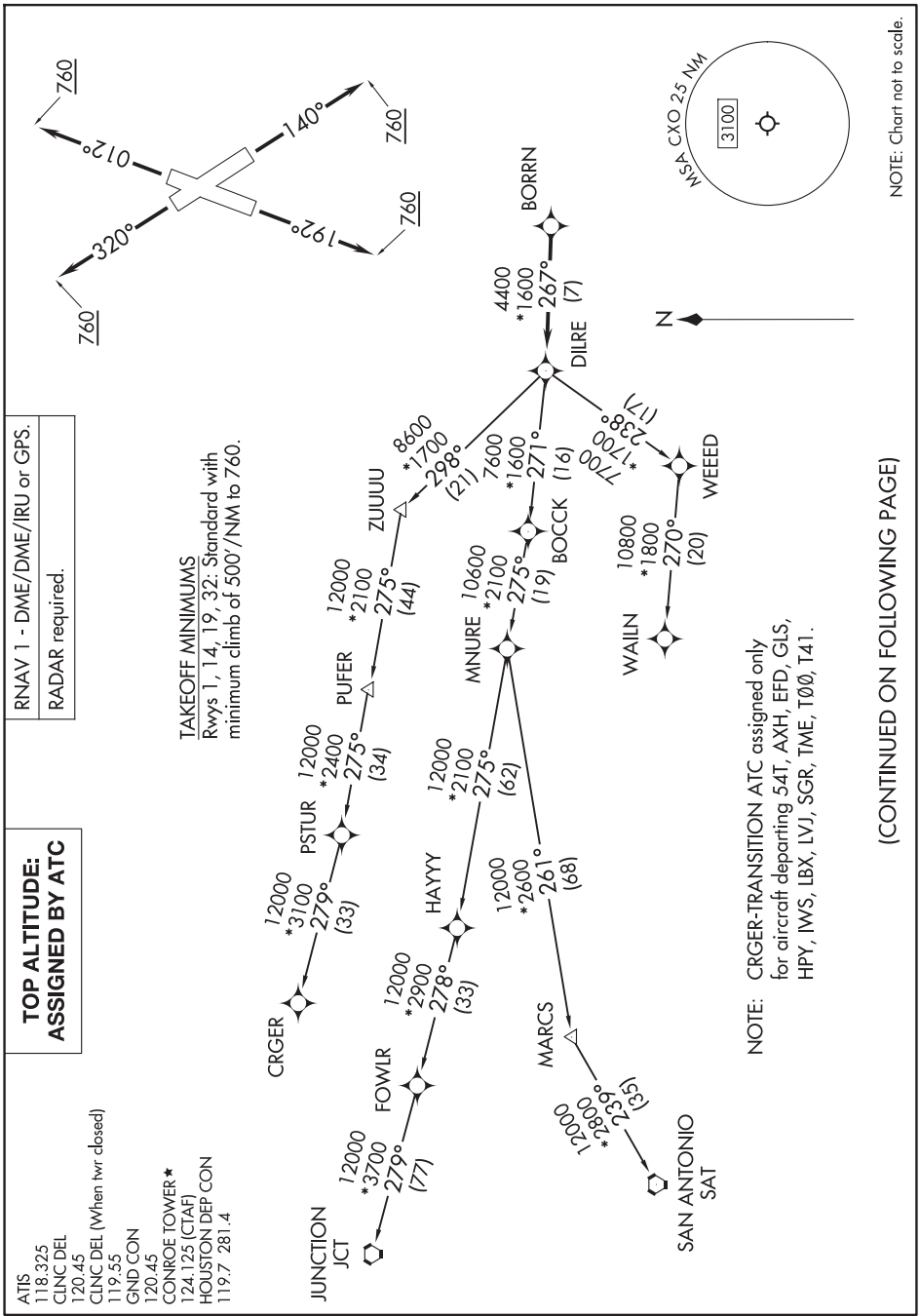


DEPARTURE ROUTE DESCRIPTION	
<p>TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .</p> <p>. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.</p> <p><u>CRESTVIEW TRANSITION (AEX3.CEW)</u>: From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.</p> <p><u>MC COMB TRANSITION (AEX3.MCB)</u>: From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.</p>	



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012° to 760, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 14: Climb on heading 140° to 760, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 19: Climb on heading 192° to 760, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 760, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (BORRN6.CRGER)
- JUNCTION TRANSITION (BORRN6.JCT)
- MNURE TRANSITION (BORRN6.MNURE)
- SAN ANTONIO TRANSITION (BORRN6.SAT)
- WAILN TRANSITION (BORRN6.WAILN)

(Cried1.Cried) 24193

Cried One Departure

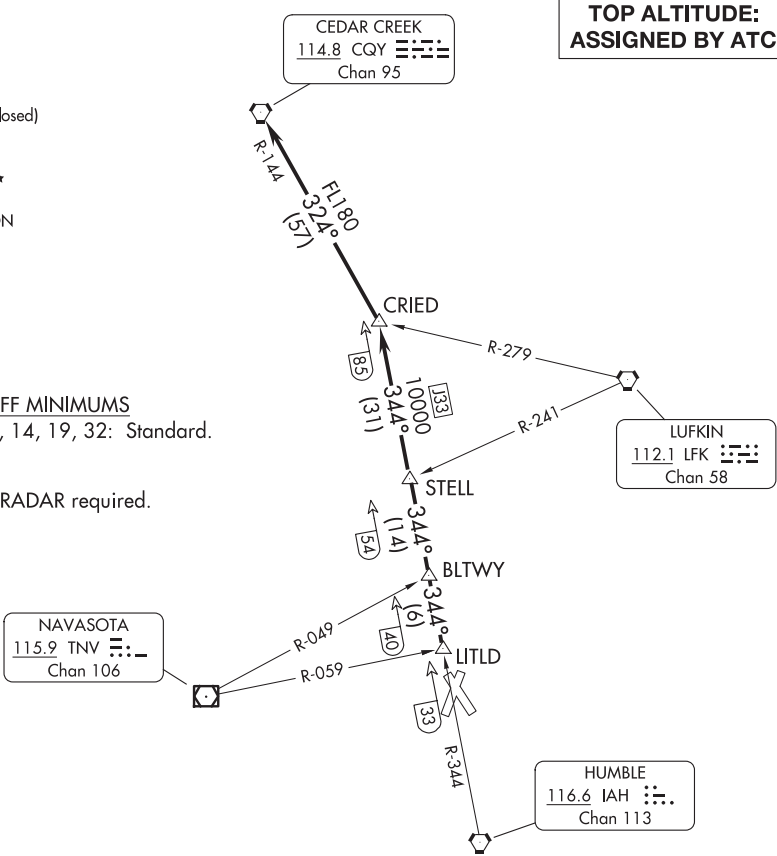
AL-5573 (FAA) CONROE/NORTH HOUSTON RGNL (C'XO)  
HOUSTON, TEXAS

ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL  
119.55 (when twr closed)  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard.

NOTE: RADAR required.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

Cried One Departure

(Cried1.Cried) 07OCT21

HOUSTON, TEXAS  
CONROE/NORTH HOUSTON RGNL (C'XO)

EL DORADO ONE DEPARTURE

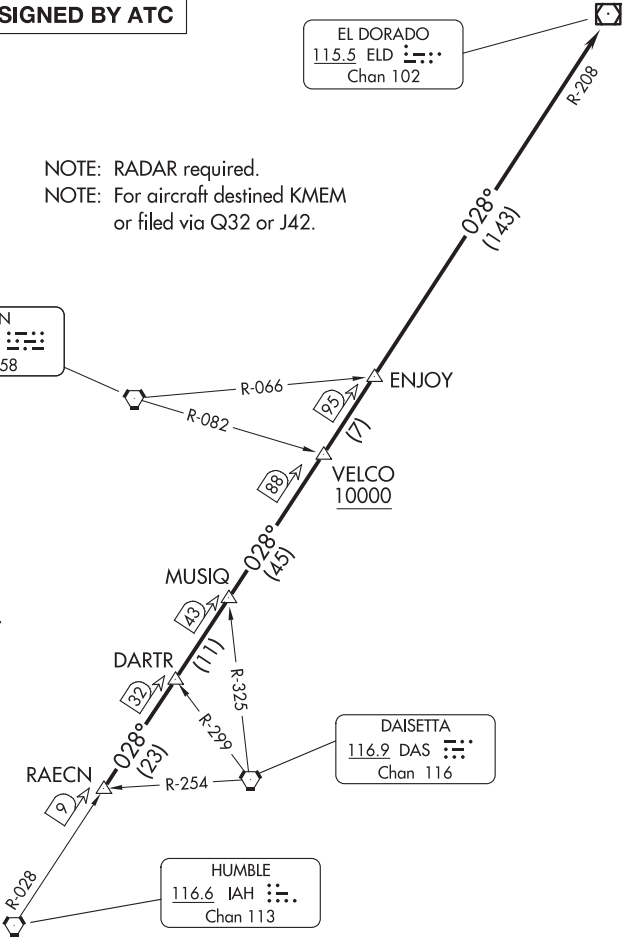
ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL  
119.55 (when twr closed)  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

EL DORADO  
115.5 ELD  
Chan 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK  
Chan 58



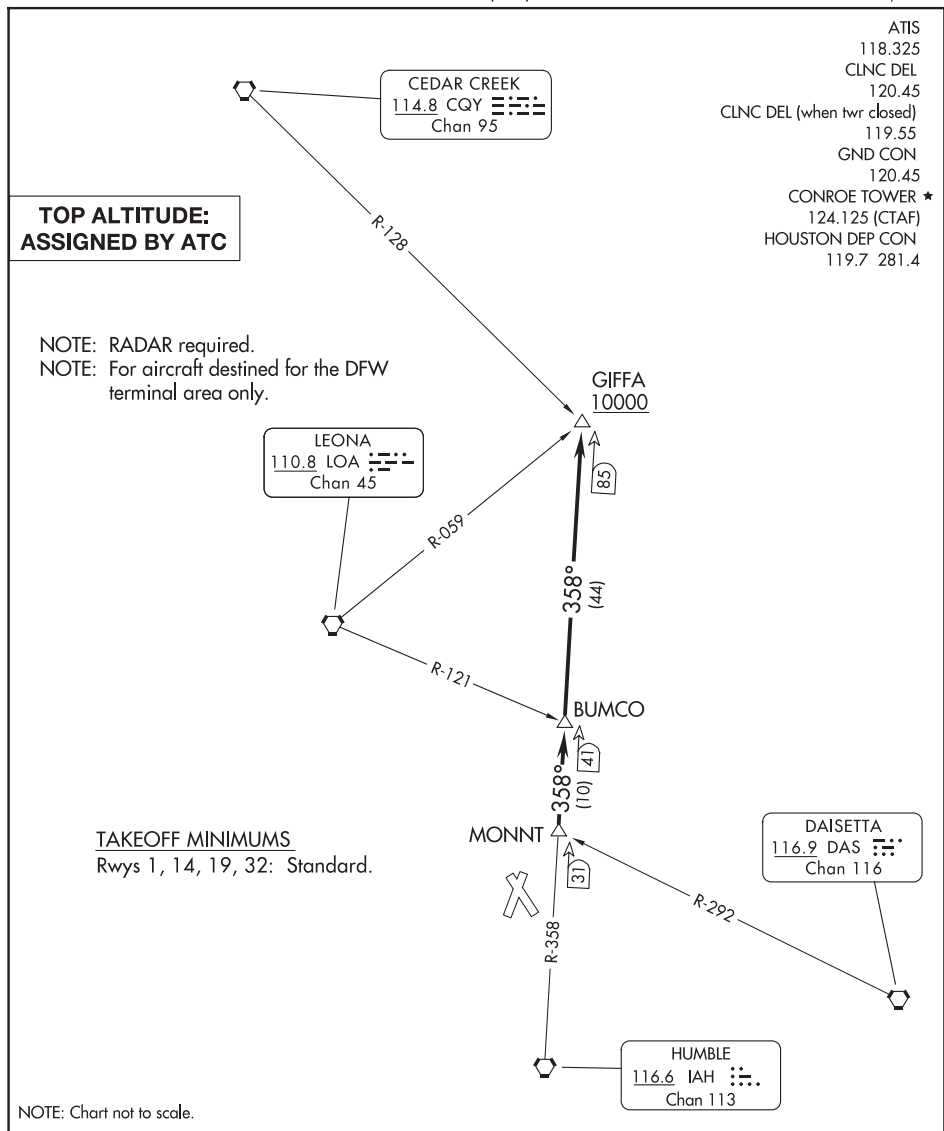
TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECH INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .  
...on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.



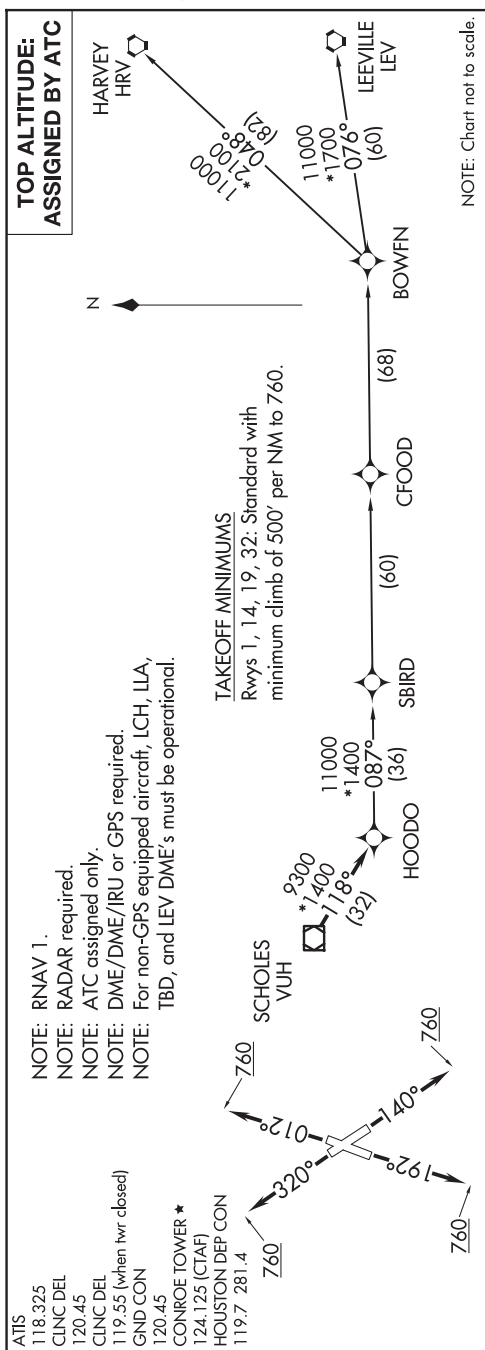
## DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . .

..... on IAH R-358 to cross GIFFA INT at or above 10000.



## HOODO SEVEN DEPARTURE (RNAV)



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012° to 760, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 14: Climb on heading 140° to 760, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 19: Climb on heading 192° to 760, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 760, for RADAR vectors to VUH VOR/DME, thence . . . .

..... on track 118° to HOOO, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- BOWFN TRANSITION (HOODO7.BOWFN)  
CFOOD TRANSITION (HOODO7.CFOOD)  
HARVEY TRANSITION (HOODO7.HRV)  
LEEVILLE TRANSITION (HOODO7.LEV)  
SBIRD TRANSITION (HOODO7.SBIRD)

(INDIE8.INDIE) 21336

AL-5573 (FAA)

CONROE/NORTH HOUSTON RGNL (C'XO)

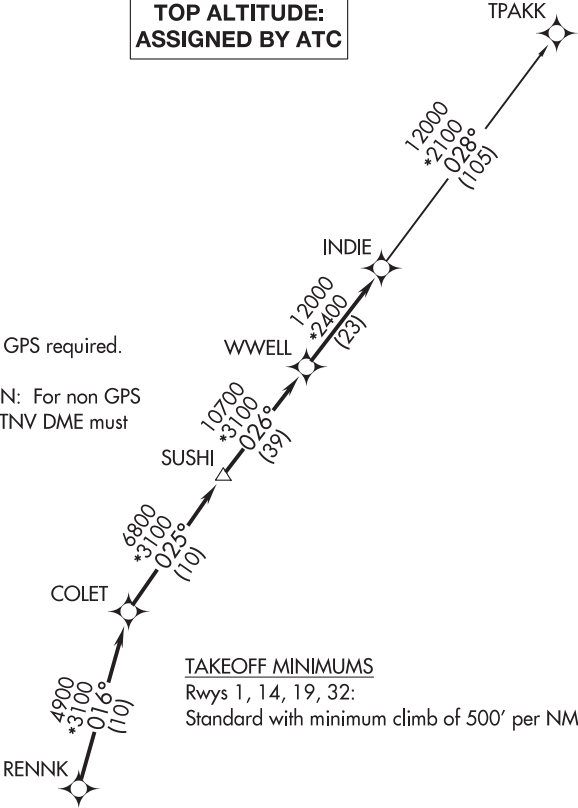
INDIE EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL  
119.55 (when twr closed)  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS

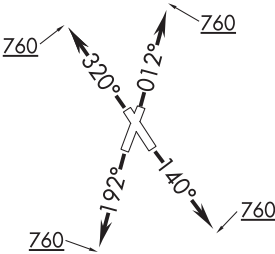
Rwys 1, 14, 19, 32:  
Standard with minimum climb of 500' per NM to 760.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012° to 760 for  
RADAR vectors to RENNK, thence . . . .  
TAKEOFF RUNWAY 14: Climb on heading 140° to 760 for  
RADAR vectors to RENNK, thence . . . .  
TAKEOFF RUNWAY 19: Climb on heading 192° to 760 for  
RADAR vectors to RENNK, thence . . . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 760 for  
RADAR vectors to RENNK, thence . . . .

. . . . on track 016° to COLET, then on track 025° to SUSHI,  
then on track 026° to WWELL, then on track 026° to INDIE,  
then on (transition). Maintain ATC assigned altitude. Expect  
filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)



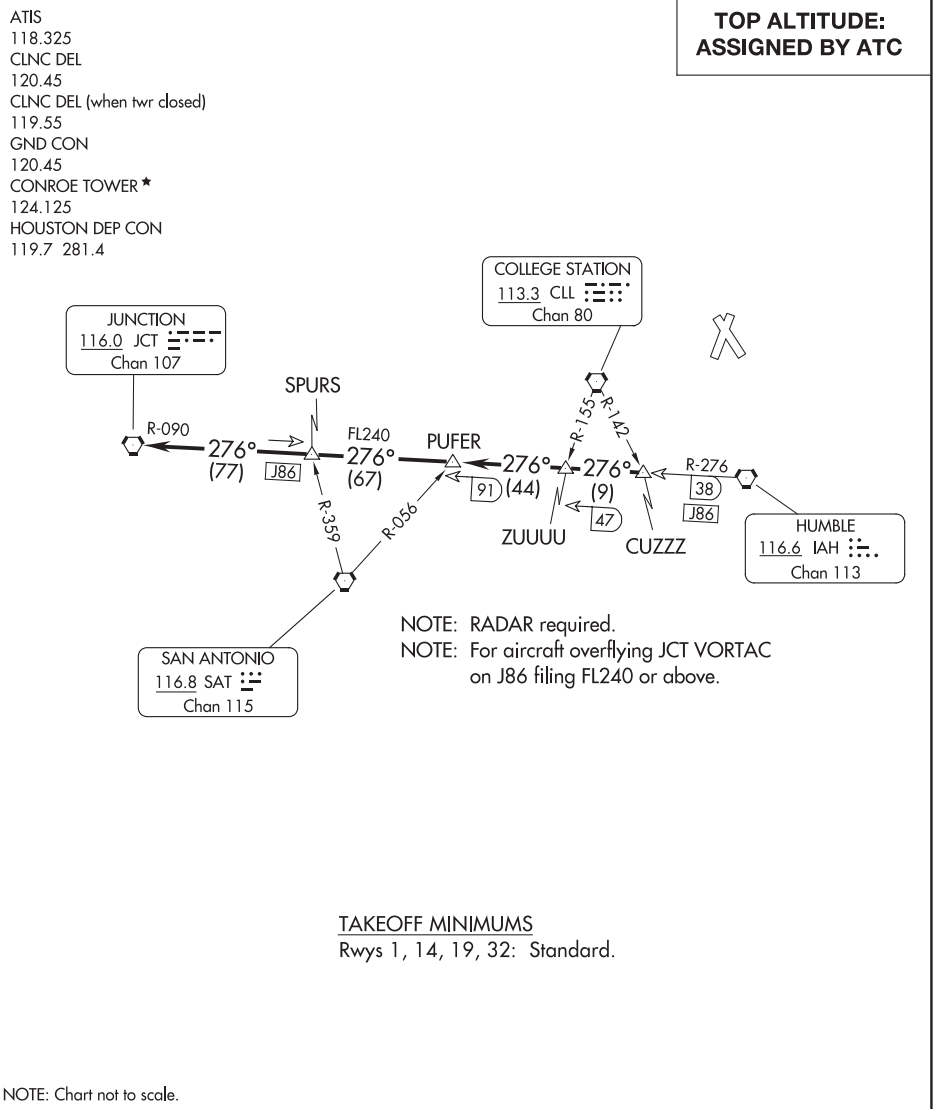
NOTE: Chart not to scale.

INDIE EIGHT DEPARTURE (RNAV)

(INDIE8.INDIE) 07OCT21

HOUSTON, TEXAS

CONROE/NORTH HOUSTON RGNL (C'XO)



TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard.

NOTE: Chart not to scale.

▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to CUZZZ INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-276 and JCT R-090 to JCT VORTAC.

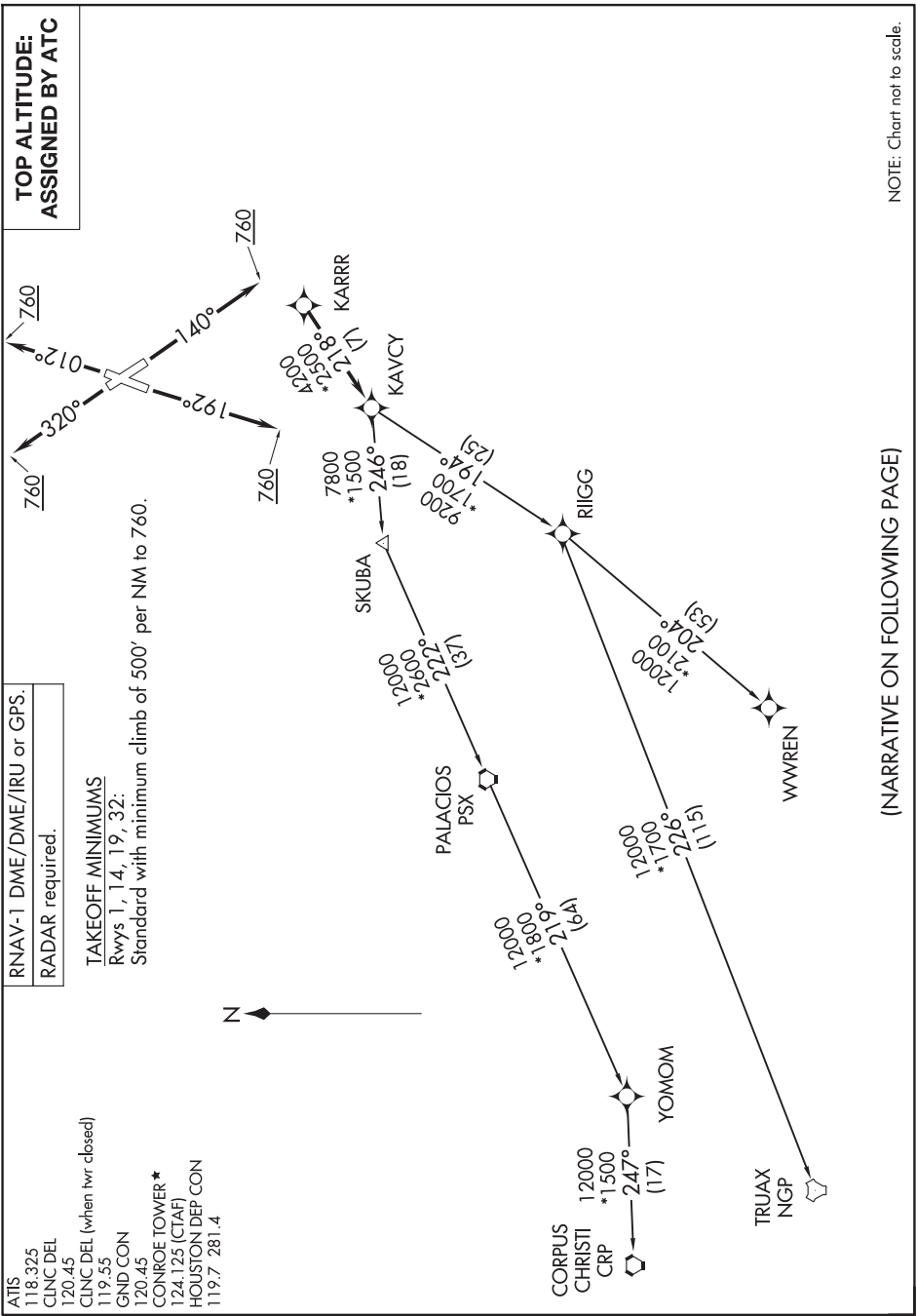
(KARRR7.KARRR) 23222

AL-5573 (FAA)

CONROE/NORTH HOUSTON RGNL (C'X'O)  
HOUSTON, TEXAS

KARRR SEVEN DEPARTURE (RNAV)

SC-5, 07 AUG 2025 to 02 OCT 2025



KARRR SEVEN DEPARTURE (RNAV)

(KARRR7.KARRR) 29DEC22

HOUSTON, TEXAS  
CONROE/NORTH HOUSTON RGNL (C'X'O)

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012° to 760, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 14: Climb on heading 140° to 760, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 19: Climb on heading 192° to 760, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 320° to 760, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (KARRR7.CRP)
- PALACIOS TRANSITION (KARRR7.PSX)
- TRUAX TRANSITION (KARRR7.NGP)
- WWREN TRANSITION (KARRR7.WWREN)
- YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

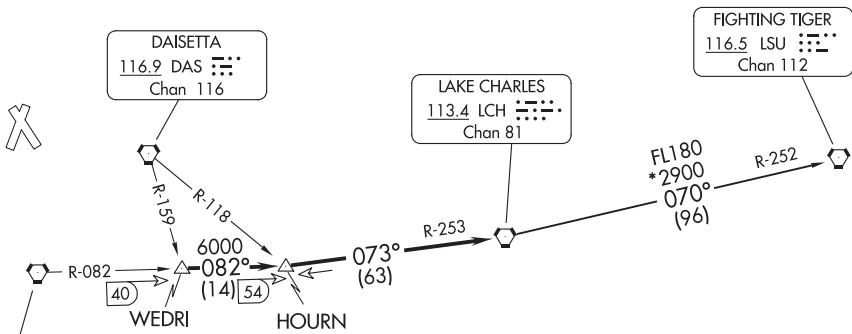
(LCH5.LCH) 24137

LAKE CHARLES FIVE DEPARTURE

CONROE/NORTH HOUSTON RGNL (C'X'O)  
AL-5573 (FAA) HOUSTON, TEXAS

ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL (when twr closed)  
119.55  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: RADAR required.

TAKEOFF MINIMUMS  
Rwy 1, 14, 19, 32 Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

When entering controlled airspace, climb on assigned heading for RADAR vectors to WEDRI INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-082 to HOUN INT, then on LCH R-253 to LCH VORTAC.

FIGHTING TIGERS TRANSITION (LCH5.LSU): From over LCH VORTAC on LCH R-070 and LSU R-252 to LSU VORTAC.

LAKE CHARLES FIVE DEPARTURE  
(LCH5.LCH) 22JUN17

HOUSTON, TEXAS  
CONROE/NORTH HOUSTON RGNL (C'X'O)

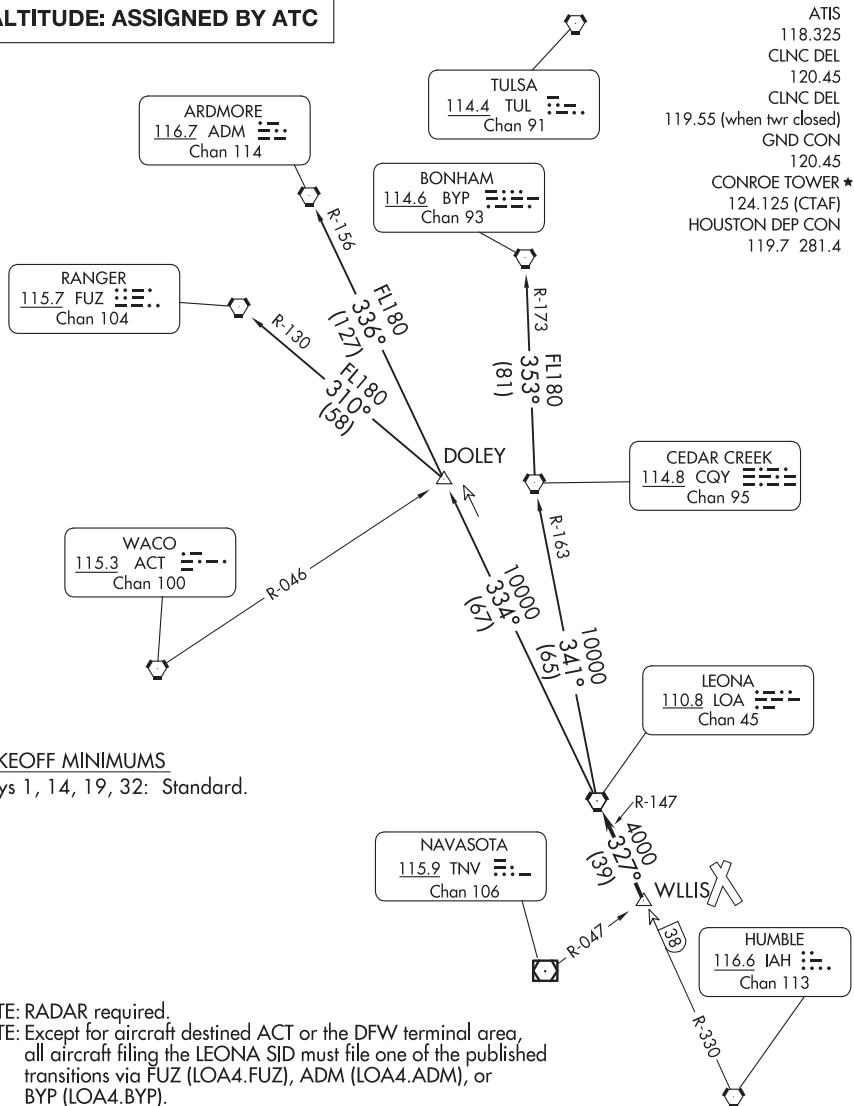
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

## LEONA FOUR DEPARTURE

**TOP ALTITUDE: ASSIGNED BY ATC**



NOTE: BONHAM TRANSITION: For aircraft overflying/landing TUL VORTAC FL240 and above.

(CONTINUED ON FOLLOWING PAGE)

## LEONA FOUR DEPARTURE

CONROE/NORTH HOUSTON RGNL (CX0)

LEONA FOUR DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



LUFKIN THREE DEPARTURE

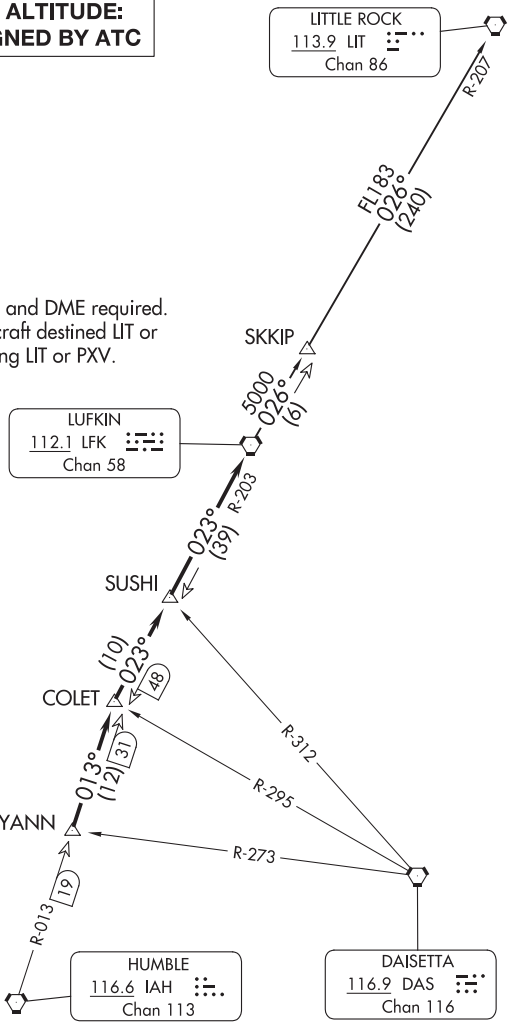
ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL  
119.55 (when twr closed)  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard.

NOTE: Chart not to scale. (CONTINUED ON FOLLOWING PAGE)

(LFK3.LFK) 21336

AL-5573 (FAA)

CONROE/NORTH HOUSTON RGNL (C'XO)  
HOUSTON, TEXAS

LUFKIN THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

HOUSTON, TEXAS  
CONROE/NORTH HOUSTON RGNL (C'XO)

## LURIC EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

ATIS  
 118.325  
 CLNC DEL  
 120.45  
 CLNC DEL  
 119.55 (when twr closed)  
 GND CON  
 120.45  
 CONROE TOWER ★  
 124.125 (CTAF)  
 HOUSTON DEP CON  
 119.7 281.4

**TOP ALTITUDE: ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 1, 14, 19, 32: Standard with minimum climb of 500' per NM to 760.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012°  
to 760 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 14: Climb on heading 140°  
to 760 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 19: Climb on heading 192°  
to 760 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 32: Climb on heading 320°  
to 760 for RADAR vectors to KNTKY, thence . . .

... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

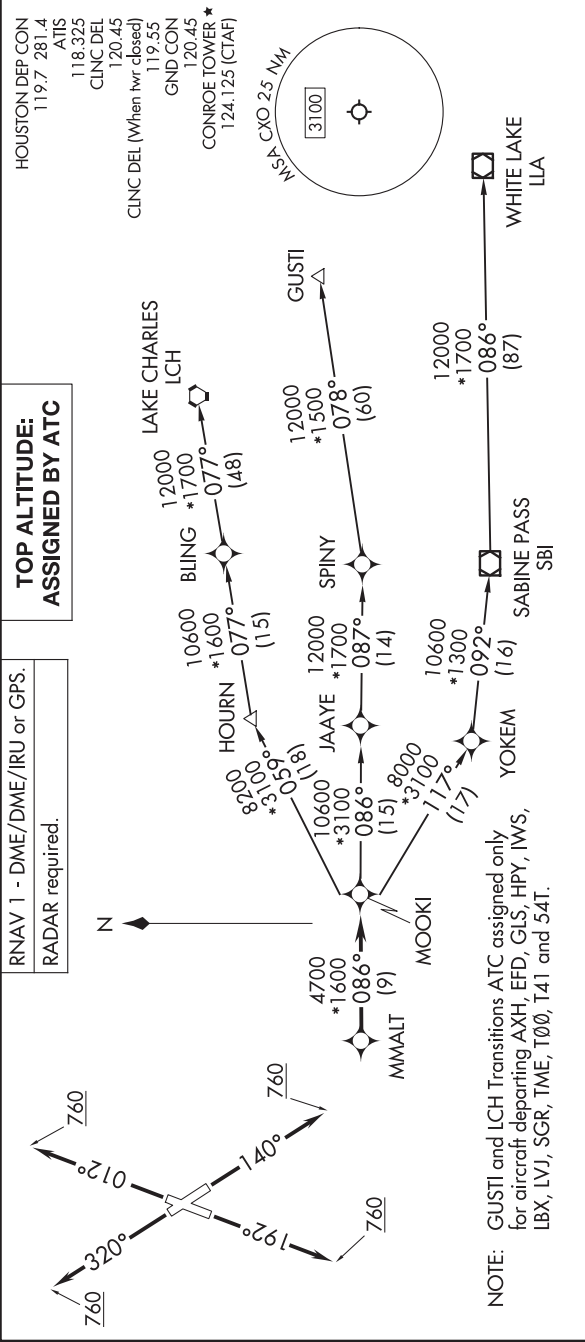
HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)  
(LURIC8.LURIC) 07OCT21

HOUSTON, TEXAS  
CONROE/NORTH HOUSTON RGNL (CXO)

MMALT SEVEN DEPARTURE (RNAV)



TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard with minimum climb of 500'/NM to 760.

DEPARTURE ROUTE DESCRIPTION  
TAKEOFF RUNWAY 1: Climb on heading 012° to 760, for RADAR vectors to MMALT, thence. . . .  
TAKEOFF RUNWAY 14: Climb on heading 140° to 760, for RADAR vectors to MMALT, thence. . . .  
TAKEOFF RUNWAY 19: Climb on heading 192° to 760, for RADAR vectors to MMALT, thence. . . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 760, for RADAR vectors to MMALT, thence. . . .  
...on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMALT7.GUSTI)  
LAKE CHARLES TRANSITION (MMALT7.LCH)  
WHITE LAKE TRANSITION (MMALT7.ILA)

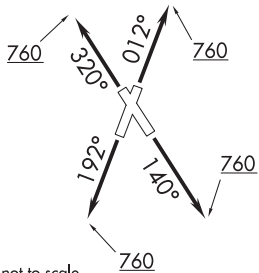
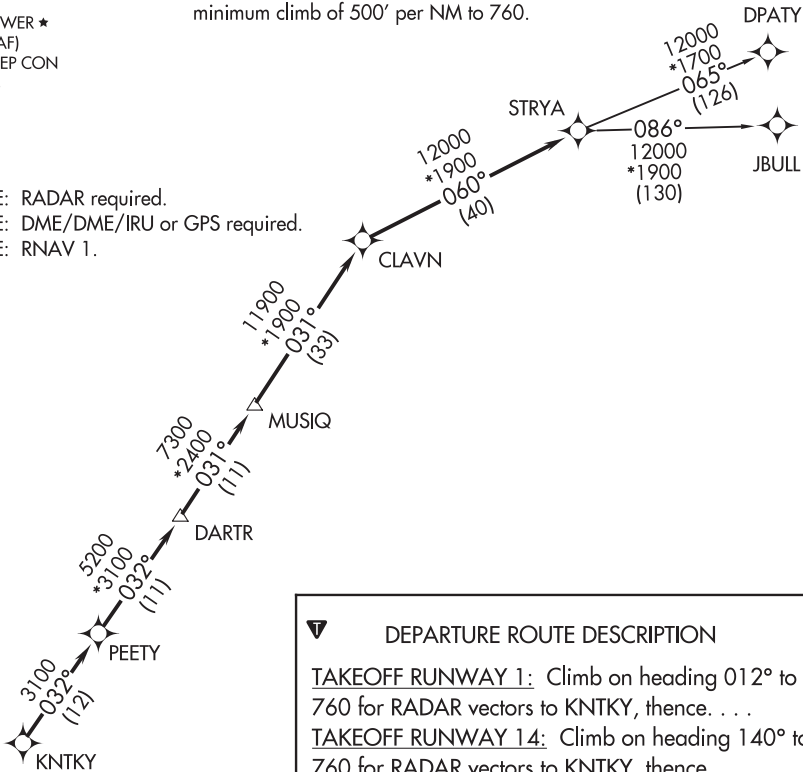
NOTE: Chart not to scale.

ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL  
119.55 (when twr closed)  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard with  
minimum climb of 500' per NM to 760.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012° to 760 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 14: Climb on heading 140° to 760 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 19: Climb on heading 192° to 760 for RADAR vectors to KNTKY, thence. . .

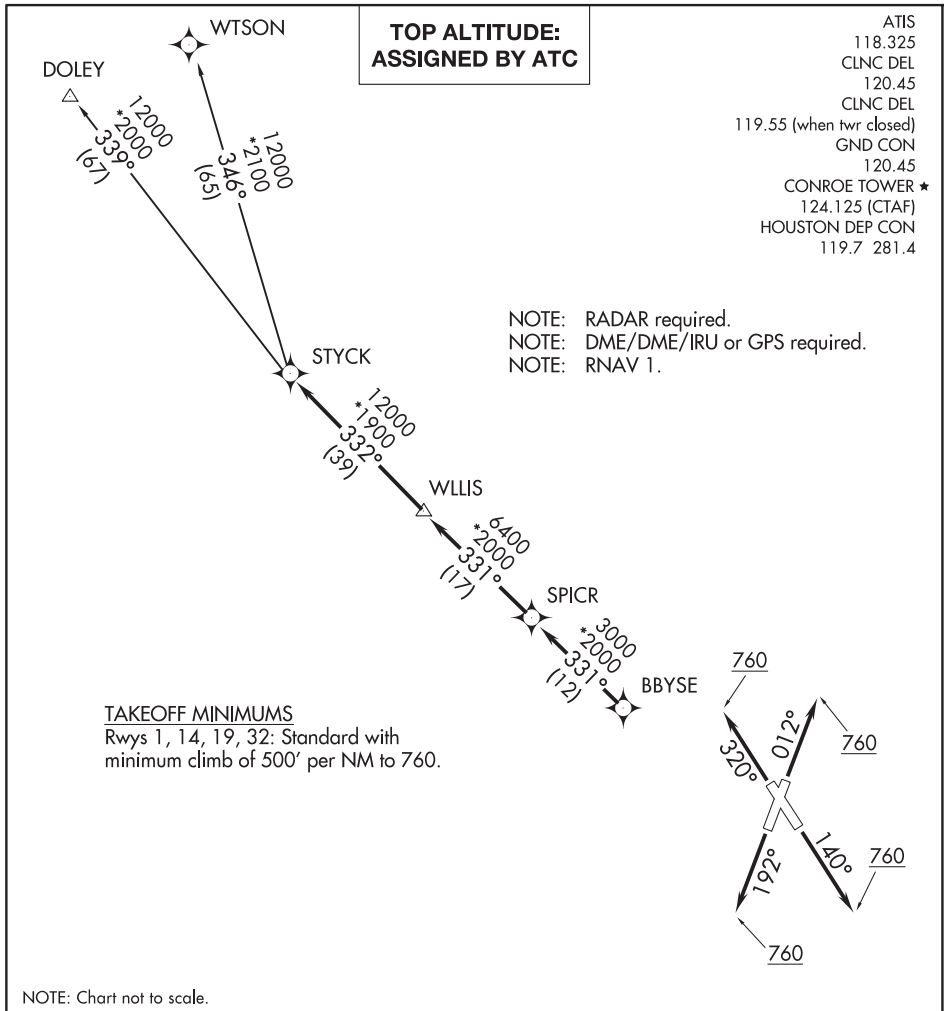
TAKEOFF RUNWAY 32: Climb on heading 320° to 760 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)

JBULL TRANSITION (STRYA8.JBULL)

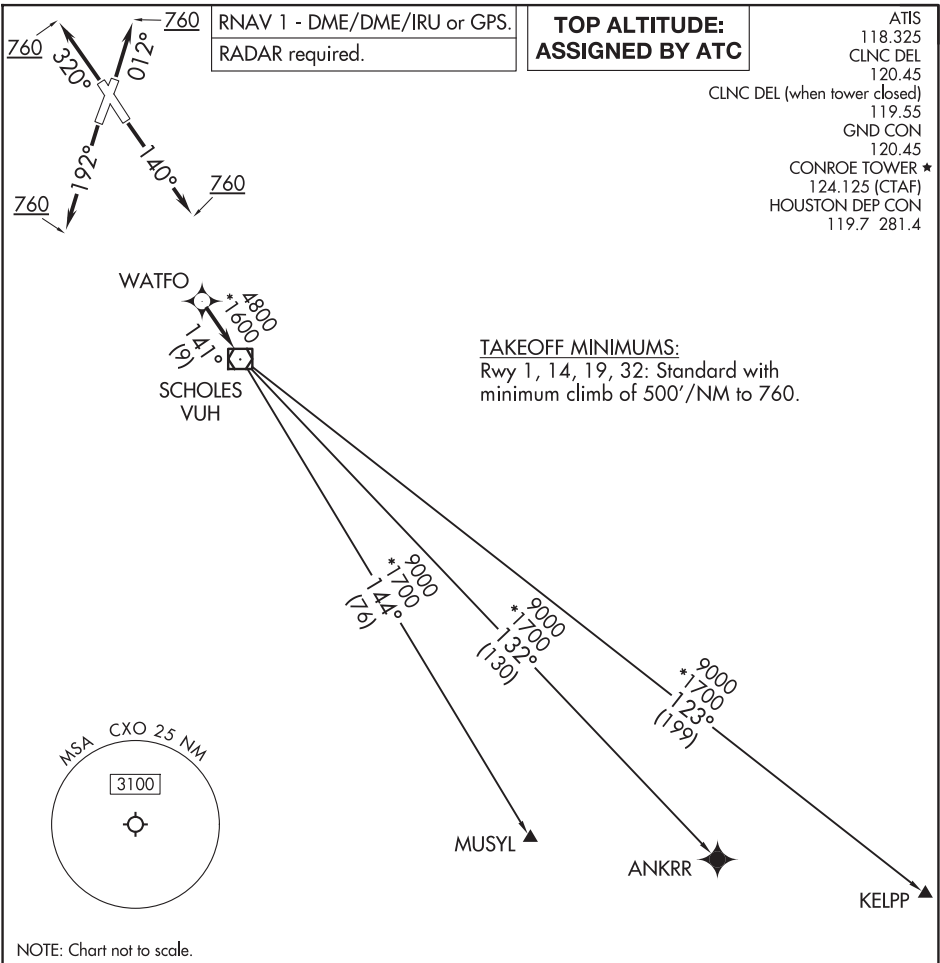
## STYCK EIGHT DEPARTURE (RNAV)



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 012° to 760 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 14: Climb on heading 140° to 760 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 19: Climb on heading 192° to 760 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 760 for RADAR vectors to BBYSE, thence. . .  
 . . . on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on  
 (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)



WYLSN EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

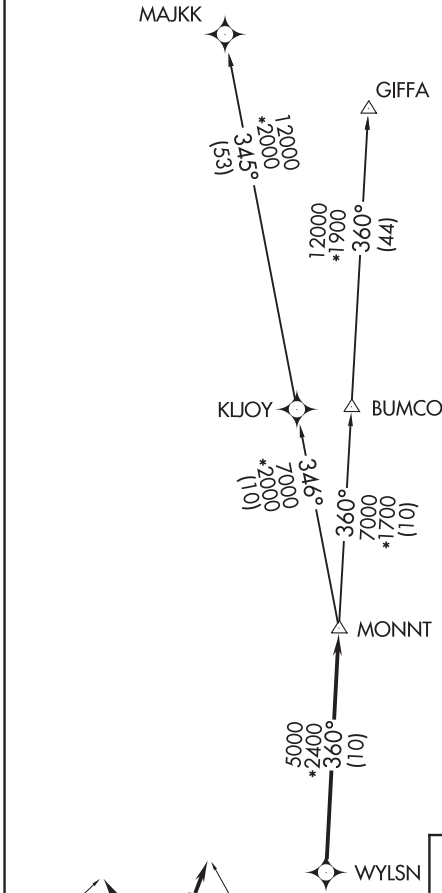
TOP ALTITUDE:  
ASSIGNED BY ATC

ATIS  
118.325  
CLNC DEL  
120.45  
CLNC DEL  
119.55 (when twr closed)  
GND CON  
120.45  
CONROE TOWER ★  
124.125 (CTAF)  
HOUSTON DEP CON  
119.7 281.4

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwys 1, 14, 19, 32: Standard with  
minimum climb of 500' per NM to 760.

DEPARTURE ROUTE DESCRIPTION  
TAKEOFF RUNWAY 1: Climb on heading 012° to 760 for RADAR vectors to WYLSN, thence. . .  
TAKEOFF RUNWAY 14: Climb on heading 140° to 760 for RADAR vectors to WYLSN, thence. . .  
TAKEOFF RUNWAY 19: Climb on heading 192° to 760 for RADAR vectors to WYLSN, thence. . .  
TAKEOFF RUNWAY 32: Climb on heading 320° to 760 for RADAR vectors to WYLSN, thence. . .  
...on track 360° to MONNT, then on (transition).  
Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.  
GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)





WAAS CH <b>41063</b> <b>W17A</b>	APP CRS <b>168°</b>	Rwy Idg <b>6002</b> TDZE <b>152</b> Apt Elev <b>152</b>
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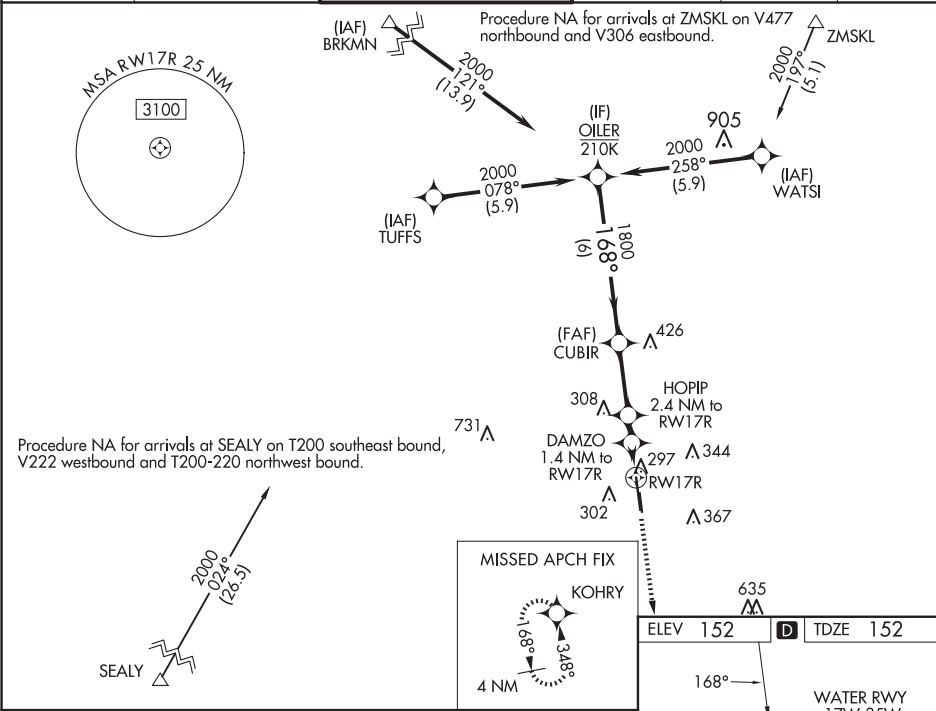
RNAV (GPS) RWY 17R  
DAVID WAYNE HOOKS MEML (DWH)

RNP APCH-GPS.

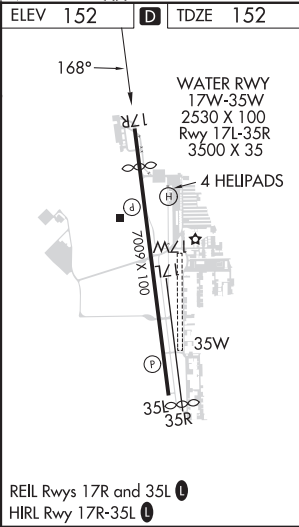
Baro-VNAV NA when using George Bush Intcntl/Houston altimeter setting. For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C. Rwy 17R helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use George Bush Intcntl/Houston altimeter setting: Increase all DAs 36 feet and visibilities ½ SM; increase all MDAs 40 feet. When control tower closed, LPV visibility 1 SM.

MISSED APPROACH:  
Climb to 2000 direct KOHRY and hold.

ATIS <b>128.375</b>	HOUSTON APP CON <b>119.7 281.4</b>	HOOKS TOWER* <b>127.4 354.1 EAST</b> <b>118.4 (CTAF) 0 354.1 WEST</b>	GND CON <b>121.8 239.0</b>	CLNC DEL <b>119.45</b>	UNICOM <b>122.95</b>
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GP 3.00° TCH 52					
CATEGORY	A		B	C	D
LPV DA	402-3/4 250 (300-3/4)				
LNAV/ VNAV DA	508-1 1/8 356 (400-1 1/8)				
LNAV MDA	600-1 448 (500-1)		600-1 3/8 448 (500-1 3/8)		
CIRCLING	640-1 488 (500-1)	660-1 508 (600-1)	680-1 1/2 528 (600-1 1/2)	780-2 628 (700-2)	



HOUSTON, TEXAS

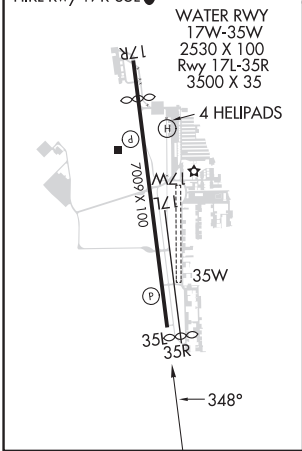
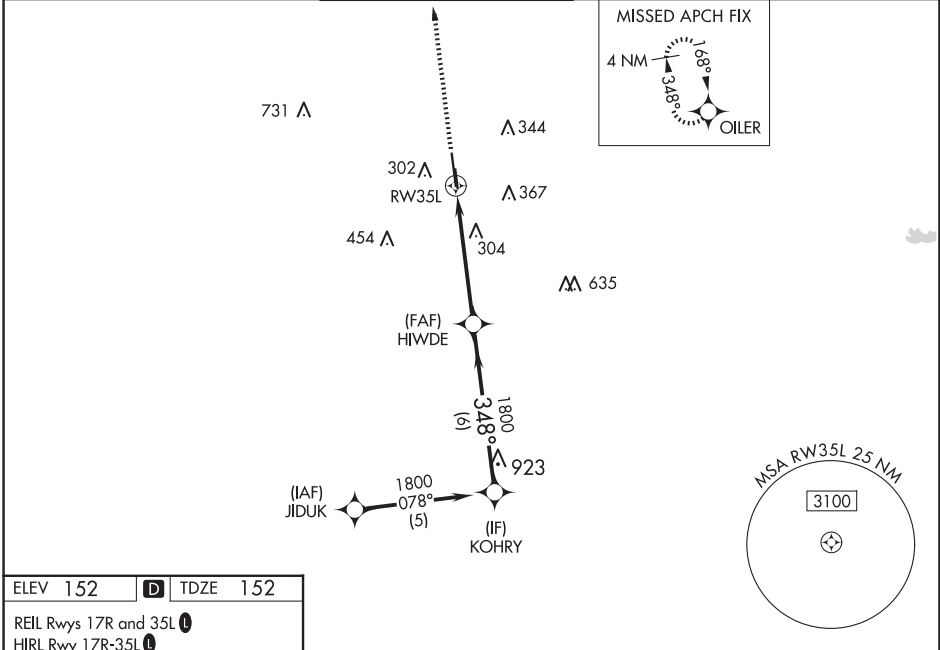
AL-5457 (FAA)

24249

WAAS CH <b>45603</b> <b>W35A</b>	APP CRS <b>348°</b>	Rwy ldg <b>6700</b> TDZE <b>152</b> Apt Elev <b>152</b>
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**RNAV (GPS) RWY 35L**  
DAVID WAYNE HOOKS MEML (DWH)

RNP APCH-GPS. ▼ Baro-VNAV and VDP NA when using George Bush Intcntl/Houston altimeter setting. ▲ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C or above 54°C. When local altimeter setting not received, use George Bush Intcntl/Houston altimeter setting and increase all DA 36 feet and all MDA 40 feet, increase LPV and LNAV/VNAV visibility all Cats ½ mile, LNAV visibility Cats C/D ¼ mile. Rwy 35L helicopter visibility reduction below ¾ SM NA. Circling NA to Rwys 17W and 35W. Circling Rwy 35R NA at night.					MISSED APPROACH: Climb to 2000 direct OILER and hold.	
ATIS <b>128.375</b>	HOUSTON APP CON <b>119.7 281.4</b>	HOOKS TOWER★ <b>127.4 354.1 (EAST)</b> <b>118.4 (CTAF) 0 354.1 (WEST)</b>		GND CON <b>121.8 239.0</b>	CLNC DEL <b>119.45</b>	UNICOM <b>122.95</b>



2000

↑

OILER

✦

VGSI and RNAV glidepath not coincident  
(VGSI Angle 3.00/TCH 41).

\*LNAV only.

RW35L

1.2 NM

1.2 NM to RW35L

3.8 NM

6 NM

1800

348°

1800

GP 3.00°  
TCH 45°

HIWDE

KOHRY

CATEGORY	A	B	C	D
LPV DA	451-1		299 (300-1)	
LNAV/ VNAV DA	552-1½		400 (400-1½)	
LNAV MDA	560-1 408 (500-1)		560-1½	408 (500-1½)
CIRCLING	640-1 488 (500-1)	660-1 508 (600-1)	680-1½ 528 (600-1½)	780-2 628 (700-2)

HOUSTON, TEXAS  
Amdt 1F 20APR23

30°04'N-95°33'W

DAVID WAYNE HOOKS MEML (DWH)  
**RNAV (GPS) RWY 35L**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-HEW <b>110.5</b> Chan <b>42</b>	APP CRS <b>168°</b>	Rwy Idg <b>6002</b> TDZE <b>152</b> Apt Elev <b>152</b>
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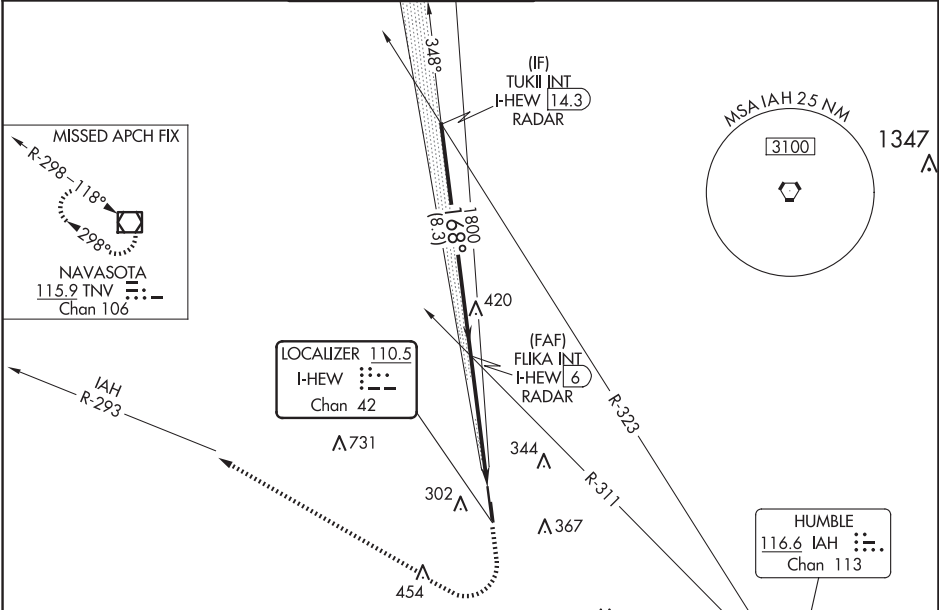
LOC RWY 17R  
DAVID WAYNE HOOKS MEML (DWH)

RADAR required for procedure entry.

When local altimeter setting not received, use George Bush Intcnl/Houston altimeter setting and increase all MDA 40 feet; increase S-LOC 17R Cts C/D visibility ½ mile. Circling NA to Rwy 17W and 35W. Rwy 17R helicopter visibility reduction below ¾ SM NA. Circling Rwy 35R NA at night.

MISSED APPROACH: Climb to 1200 then climbing right turn to 2000 on heading 325° and IAH VORTAC R-293 to TNV VOR/DME and hold.

ATIS <b>128.375</b>	HOUSTON APP CON <b>119.7 281.4</b>	HOOKS TOWER★ <b>127.4 354.1 EAST</b> <b>118.4 (CTAF) 354.1 WEST</b>	GND CON <b>121.8 239.0</b>	CLNC DEL <b>119.45</b>	UNICOM <b>122.95</b>
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ELEV 152 TDZE 152

WATER RWY 17W-35W 2530 X 100  
Rwy 17L-35R 3500 X 35  
4 HELIPADS  
7009 X 100  
35W  
35L  
35R

HIRL Rwy 17R-35L  
REIL Rwy 17R and 35L

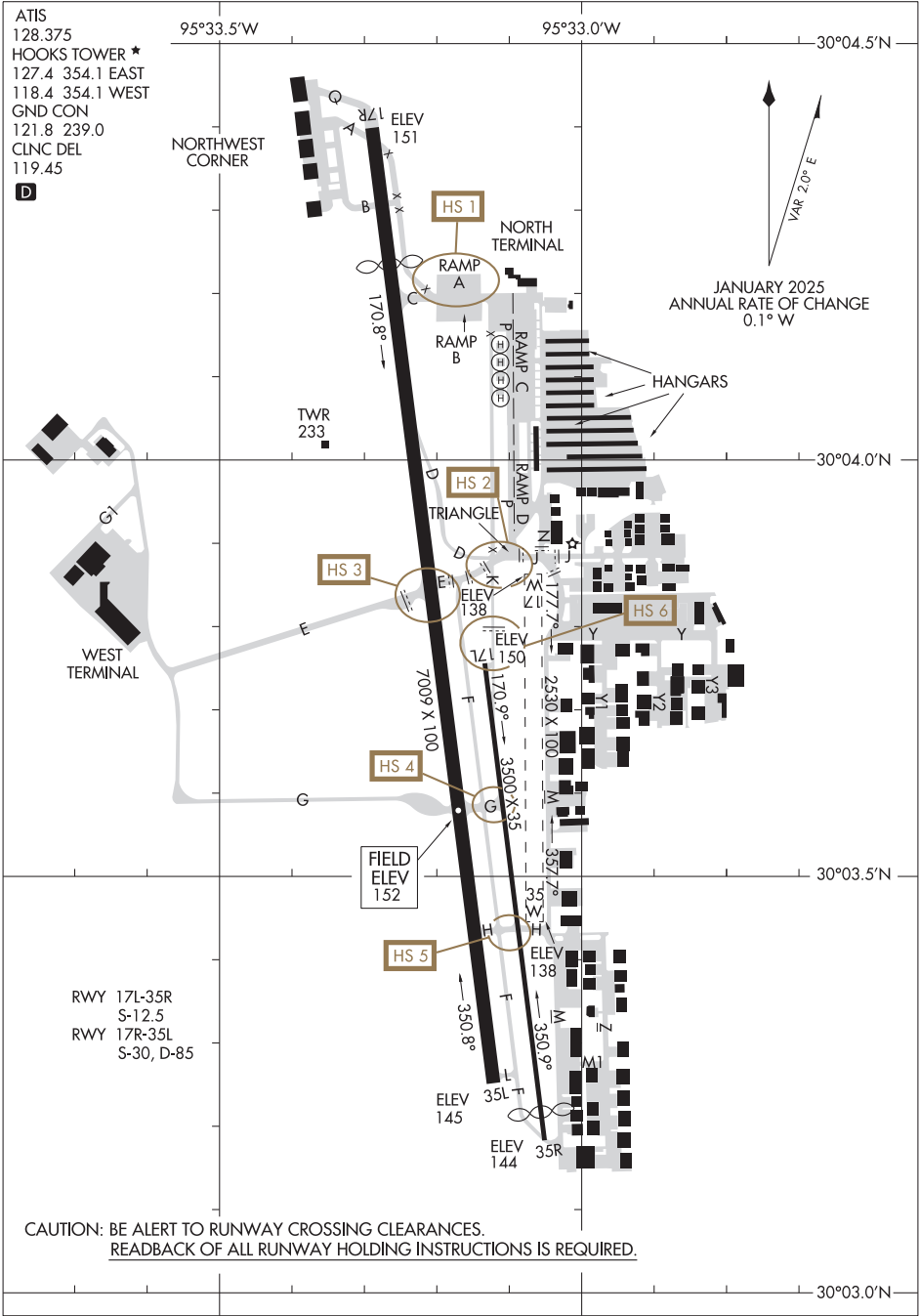
FAF to MAP 4.9NM

Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

Visual Segment - Obstacles.				1200	2000	IAH R-293	TNV
TUKII INT I-HEW 14.3 RADAR				2000	168°	FLIKA INT I-HEW 6 RADAR	I-HEW 1.1
8.3 NM				4.9 NM			
CATEGORY	A		B		C		D
S-LOC 17R	640-1		488 (500-1)		640-1½		488 (500-1½)
CIRCLING	640-1		660-1		680-1½		780-2
	488 (500-1)		508 (600-1)		528 (600-1½)		628 (700-2)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

## HOUSTON, TEXAS



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER ★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 17L, 35R: NA - Environmental.  
Waterways 17, 35: NA - Air Traffic.  
Rwys 17R, 35L: Standard with minimum  
climb of 500' per NM to 660.

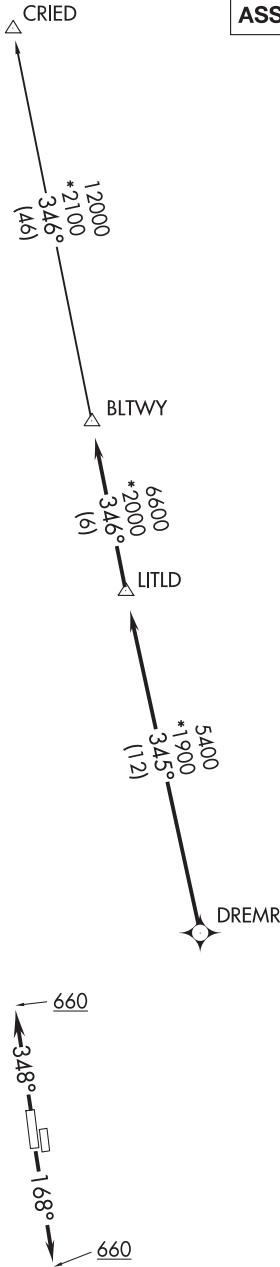
▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading  
168° to 660 for RADAR vectors to  
DREMR, thence. . .

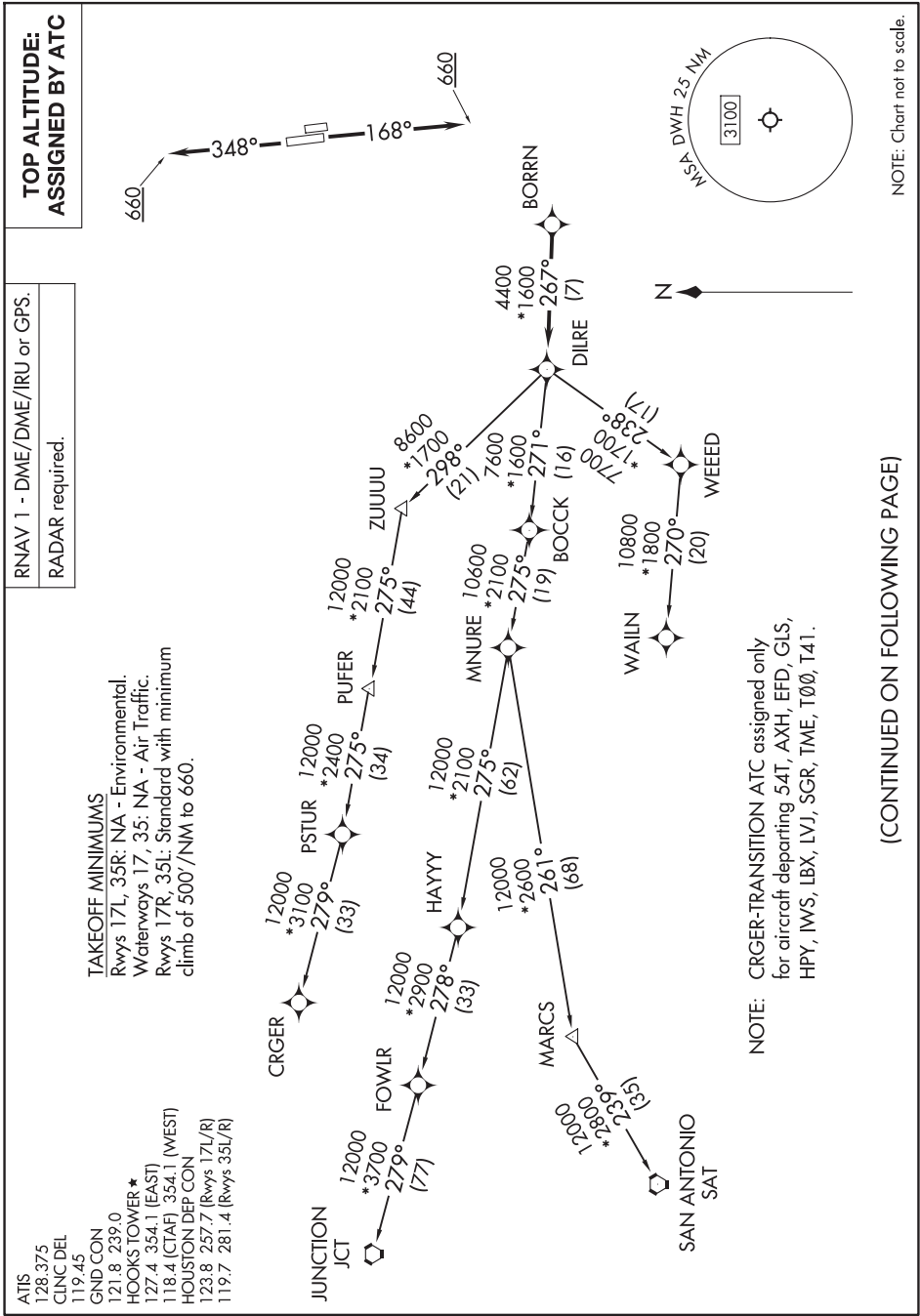
TAKEOFF RUNWAY 35L: Climb on heading  
348° to 660 for RADAR vectors to  
DREMR, thence. . .

. . . on track 345° to LITLD, then on track  
346° to BLTWY, then on (transition).  
Maintain ATC assigned altitude. Expect  
filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.



(CONTINUED ON FOLLOWING PAGE)



<div>SC-5, 07 AUG 2025 to 02 OCT 2025</div>	<div>SC-5, 07 AUG 2025 to 02 OCT 2025</div>	<div><div><div>▼</div><div>DEPARTURE ROUTE DESCRIPTION</div></div><div><div><div>TAKEOFF RUNWAY 17R: Climb on heading 168° to 660, for RADAR vectors to BORRN, thence. . . .</div><div>TAKEOFF RUNWAY 35L: Climb on heading 348° to 660, for RADAR vectors to BORRN, thence. . . .</div><div>. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.</div></div><div><div>CRGER TRANSITION (BORRN6.CRGER)</div><div>JUNCTION TRANSITION (BORRN6.JCT)</div><div>MNURE TRANSITION (BORRN6.MNURE)</div><div>SAN ANTONIO TRANSITION (BORRN6.SAT)</div><div>WAILN TRANSITION (BORRN6.WAILN)</div></div></div></div>

(Cried1.Cried) 24193

Cried One Departure

AL-5457 (FAA)

DAVID WAYNE HOOKS MEML (DWH)  
HOUSTON, TEXAS

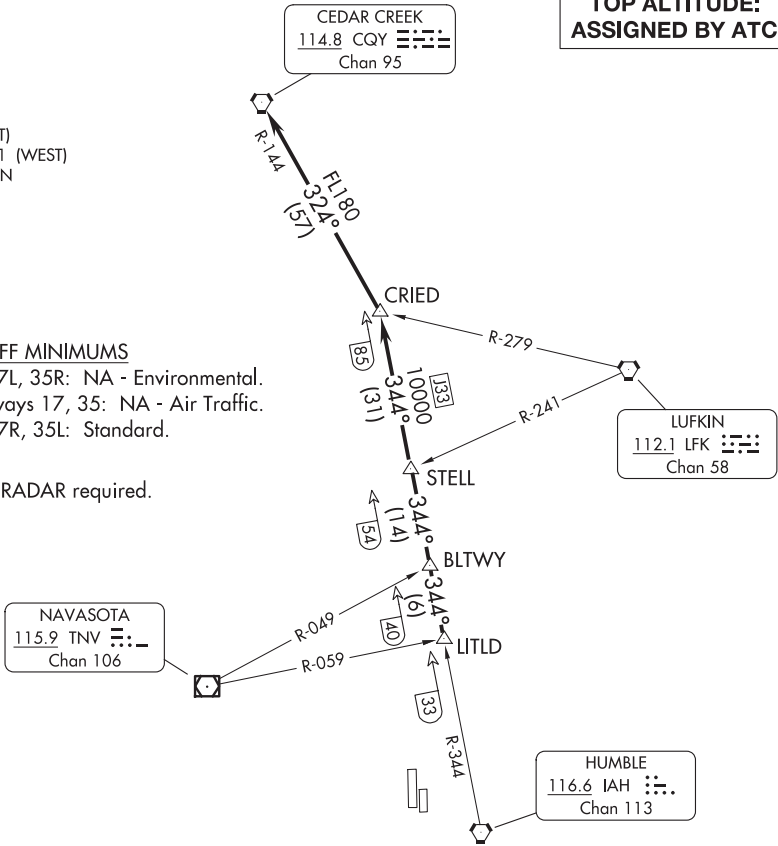
ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER ★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
119.7 281.4

TAKEOFF MINIMUMS

Rwys 17L, 35R: NA - Environmental.  
Waterways 17, 35: NA - Air Traffic.  
Rwys 17R, 35L: Standard.

NOTE: RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

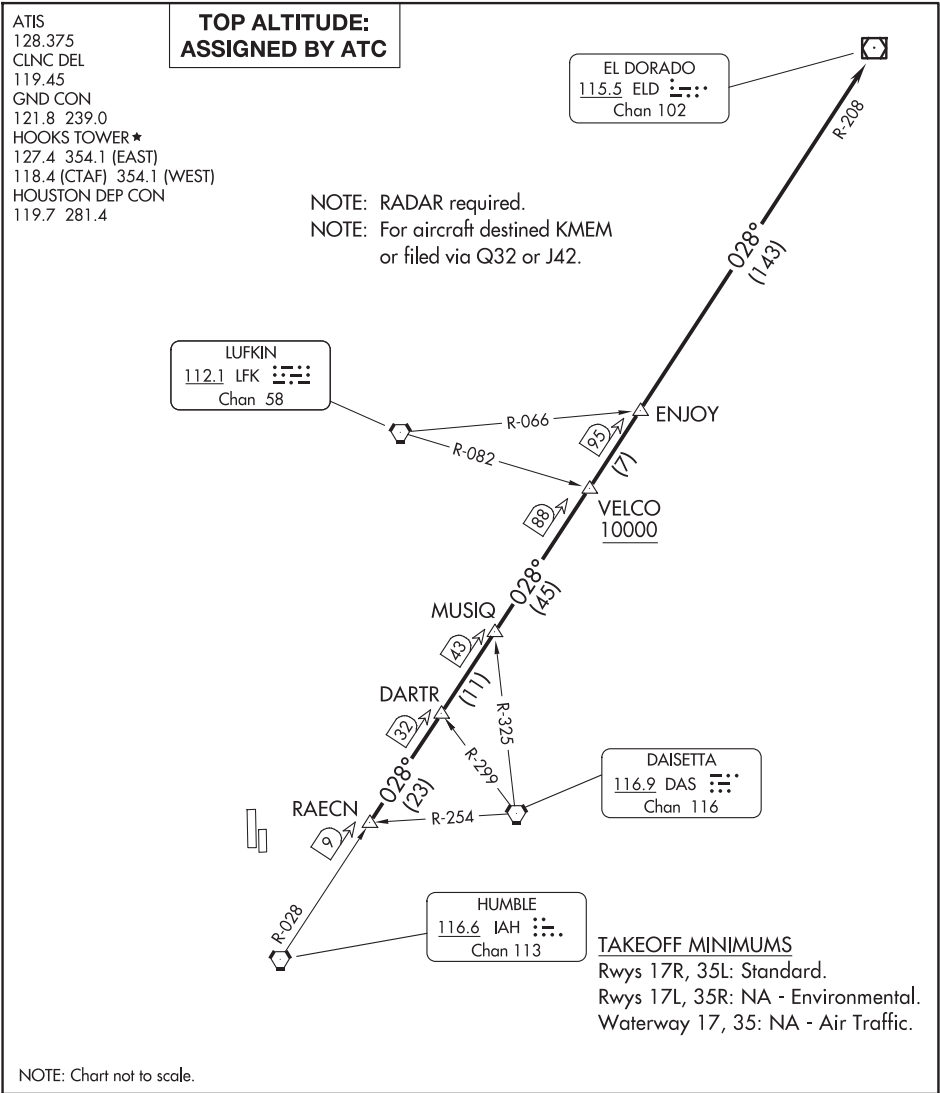
TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

Cried One Departure

(Cried1.Cried) 07OCT21

HOUSTON, TEXAS  
DAVID WAYNE HOOKS MEML (DWH)

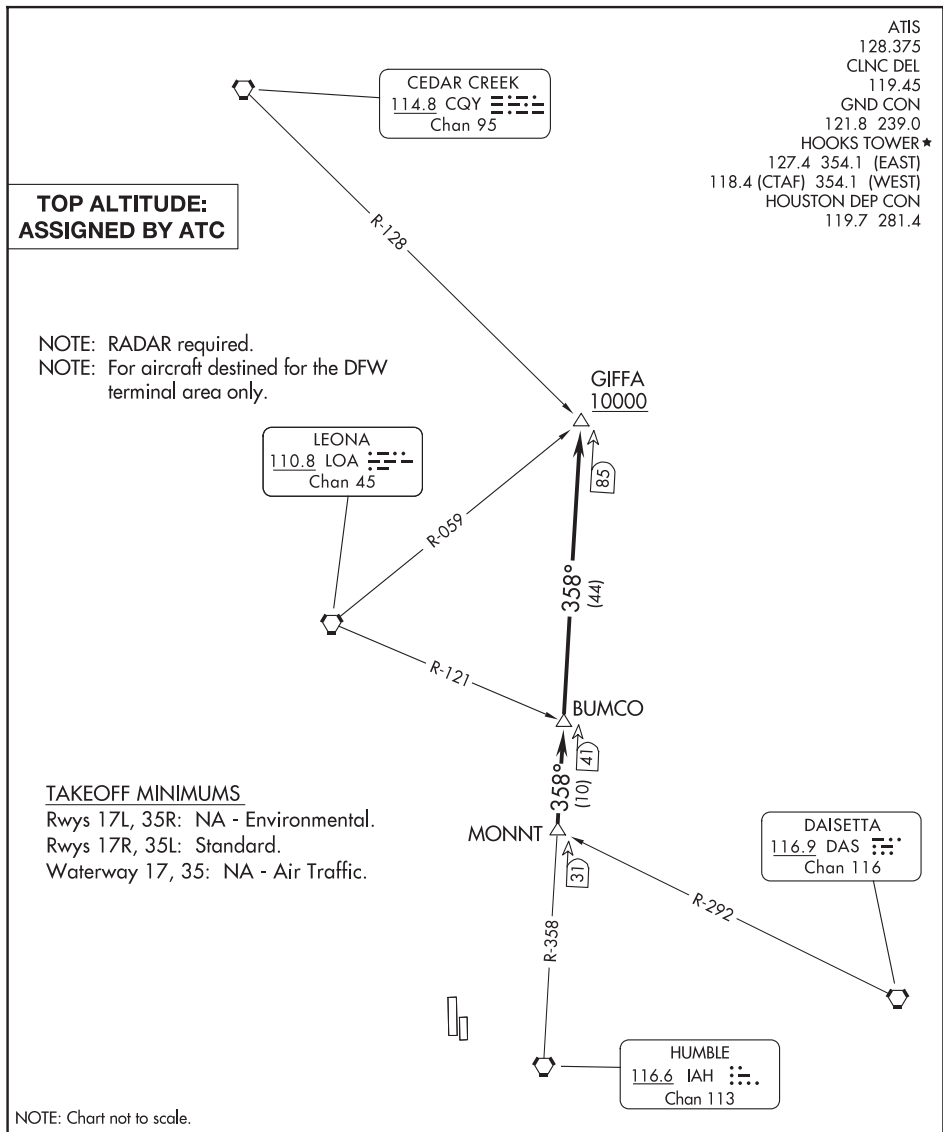


▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAE CN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.



## DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

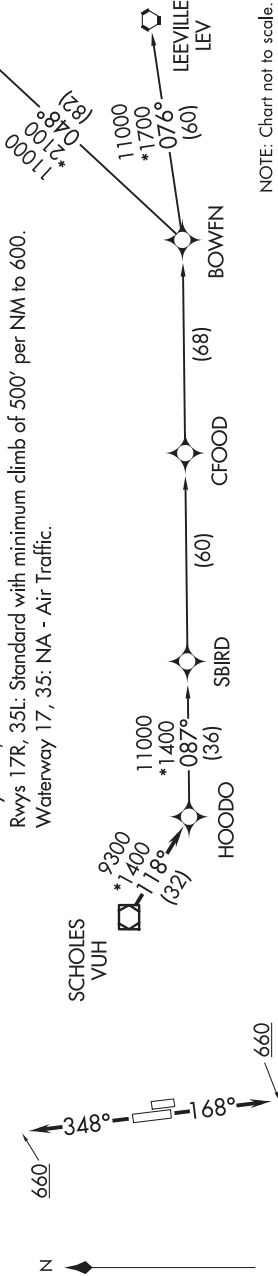
...on IAH R-358 to cross GIFFA INT at or above 10000.

TOP ALTITUDE:  
ASSIGNED BY ATC

ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER ★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
119.7 281.4 (Rwys 35L/R)  
123.8 257.7 (Rwys 17L/R)

NOTE: RNAV 1.  
NOTE: RADAR required.  
NOTE: ATC assigned only.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: For non-GPS equipped aircraft, LCH, ILA, TBD, and LEV DME's must be operational.

TAKEOFF MINIMUMS  
Rwys 17L, 35R: NA - Environmental.  
Rwys 17R, 35L: Standard with minimum climb of 500' per NM to 600.  
Waterway 17, 35: NA - Air Traffic.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168° to 660, for RADAR vectors to VUH VOR/DME, thence. . . .  
TAKEOFF RUNWAY 35L: Climb on heading 348° to 660, for RADAR vectors to VUH VOR/DME, thence. . . .

. . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOODO7.BOWFN)  
CFOOD TRANSITION (HOODO7.CFOOD)  
HARVEY TRANSITION (HOODO7.HRV)  
LEEVILLE TRANSITION (HOODO7.LEV)  
SBIRD TRANSITION (HOODO7.SBIRD)

(INDIE8.INDIE) 21280

AL-5457 (FAA)

DAVID WAYNE HOOKS MEML (DWH)

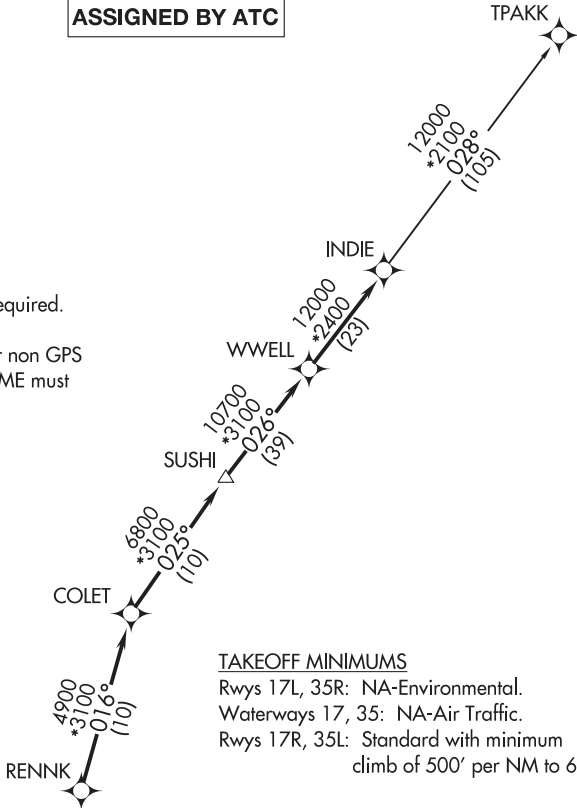
INDIE EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER ★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
119.7 281.4

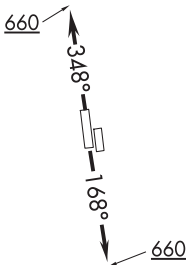
TOP ALTITUDE:  
ASSIGNED BY ATC

- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS

- Rwys 17L, 35R: NA-Environmental.  
Waterways 17, 35: NA-Air Traffic.  
Rwys 17R, 35L: Standard with minimum  
climb of 500' per NM to 660.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168° to 660  
for RADAR vectors to RENNK, then. . .

TAKEOFF RUNWAY 35L: Climb on heading 348° to 660  
for RADAR vectors to RENNK, then. . .

. . . on track 016° to COLET, then on track 025° to  
SUSHI, then on track 026° to WWELL, then on track  
026° to INDIE, then on (transition). Maintain ATC  
assigned altitude. Expect filed altitude 10 minutes  
after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

INDIE EIGHT DEPARTURE (RNAV)

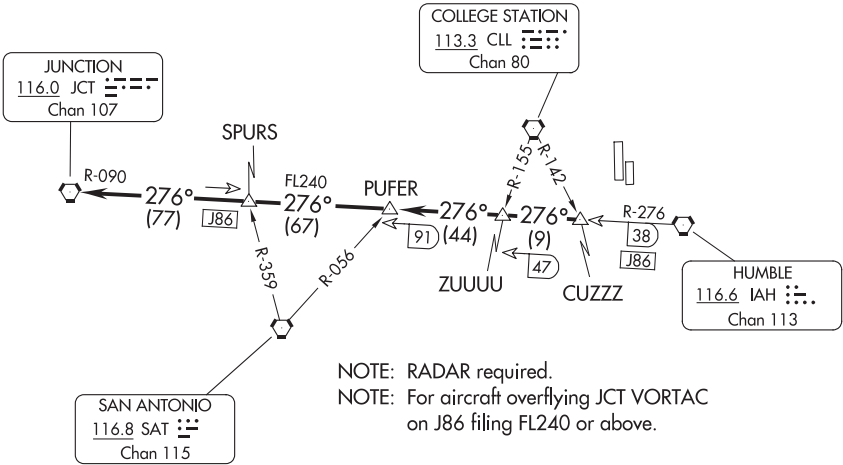
HOUSTON, TEXAS

(INDIE8.INDIE) 07OCT21

DAVID WAYNE HOOKS MEML (DWH)

ATIS  
128.375  
CLNC DEL  
119.45  
HOUSTON DEP CON  
123.8 257.7 (Rwys 17L/R)  
119.7 281.4 (Rwys 35L/R)  
GND CON  
121.8 239.0  
HOOKS TOWER★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: RADAR required.  
NOTE: For aircraft overflying JCT VORTAC  
on J86 filing FL240 or above.

TAKEOFF MINIMUMS  
Rwys 17R, 35L: Standard.  
Rwys 17L, 35R: NA - Environmental.  
Waterway 17, 35: NA - Air Traffic.

NOTE: Chart not to scale.

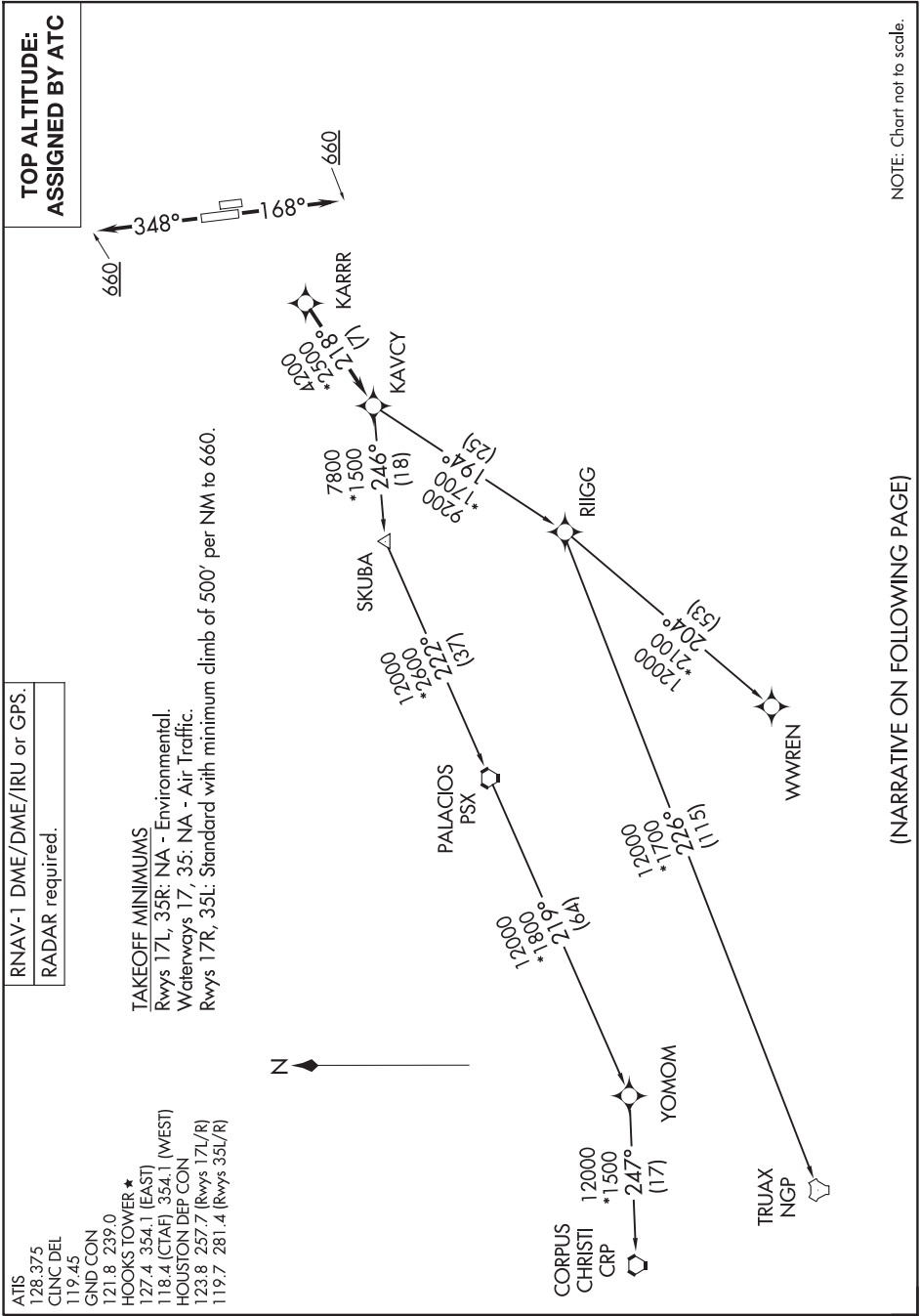


DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to CUZZZ INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .  
. . . .on IAH R-276 and JCT R-090 to JCT VORTAC.

KARRR SEVEN DEPARTURE (RNAV)

SC-5, 07 AUG 2025 to 02 OCT 2025



KARRR SEVEN DEPARTURE (RNAV)

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025



<div><div><div>T</div></div></div>	<div><div>DEPARTURE ROUTE DESCRIPTION</div><div><div>TAKEOFF RUNWAY 17R: Climb on heading 168° to 660, for RADAR vectors to KARRR, thence. . . .</div><div>TAKEOFF RUNWAY 35L: Climb on heading 348° to 660, for RADAR vectors to KARRR, thence. . . .</div><div>. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.</div><div>CORPUS CHRISTI TRANSITION (KARRR7.CRP)</div><div>PALACIOS TRANSITION (KARRR7.PSX)</div><div>TRUAX TRANSITION (KARRR7.NGP)</div><div>WWREN TRANSITION (KARRR7.WWREN)</div><div>YOMOM TRANSITION (KARRR7.YOMOM)</div></div></div>
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(LCH5.LCH) 24137

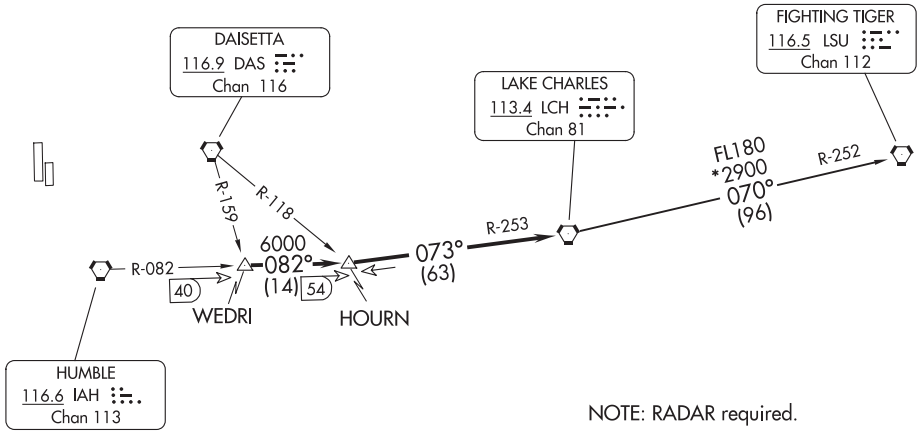
AL-5457 (FAA)

DAVID WAYNE HOOKS MEML (DWH)  
HOUSTON, TEXAS

LAKE CHARLES FIVE DEPARTURE

ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER\*  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC



**TAKEOFF MINIMUMS**  
Rwy 17L, 35R NA - Environmental.  
Waterway 17, 35 NA - Air Traffic.  
Rwy 17R, 35L Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

When entering controlled airspace, climb on assigned heading for RADAR vectors to WEDRI INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

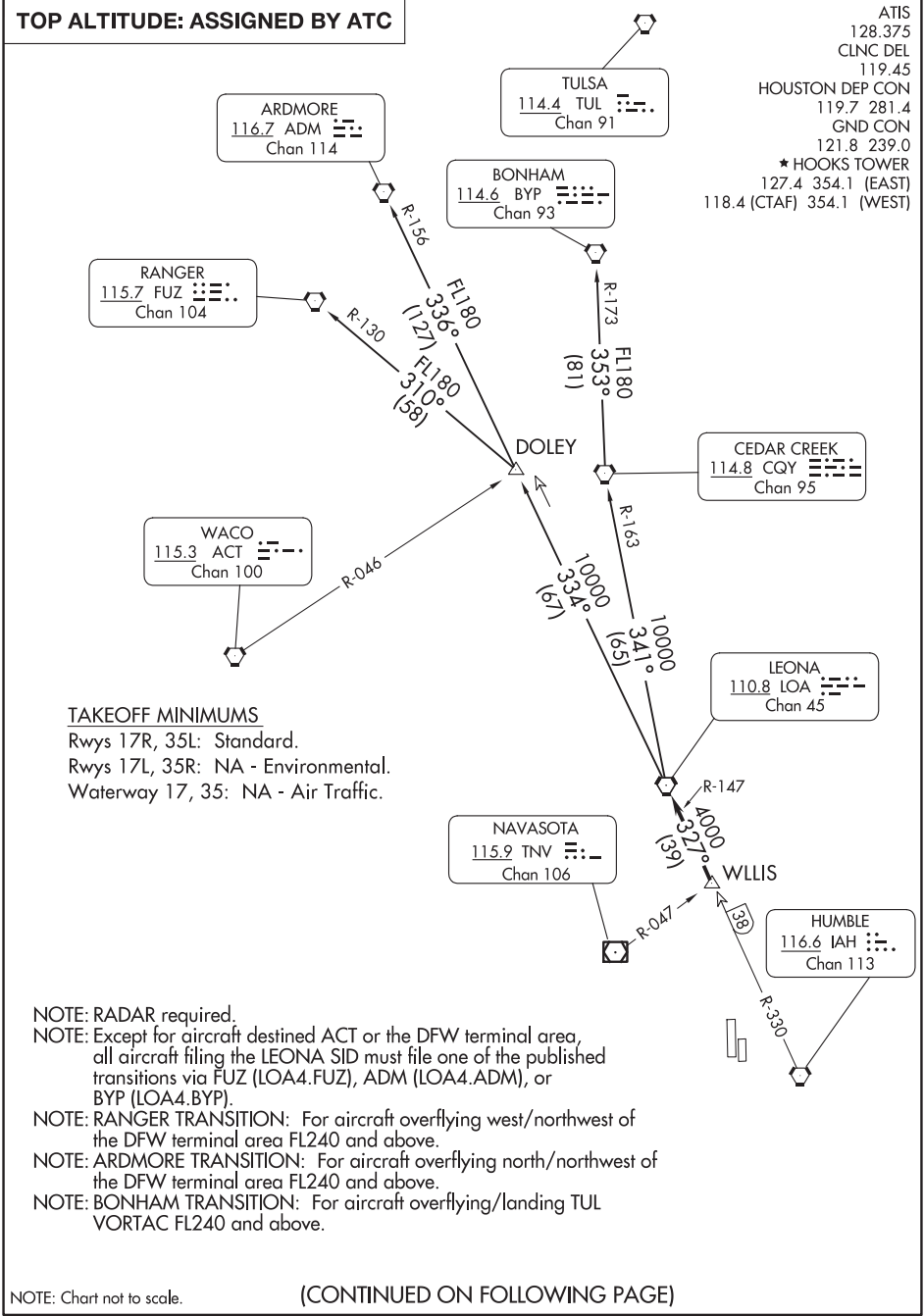
. . . .on IAH R-082 to HOURN INT, then on LCH R-253 to LCH VORTAC.

FIGHTING TIGERS TRANSITION (LCH5.LSU): From over LCH VORTAC on LCH R-070 and LSU R-252 to LSU VORTAC.

LAKE CHARLES FIVE DEPARTURE

(LCH5.LCH) 22JUN17

HOUSTON, TEXAS  
DAVID WAYNE HOOKS MEML (DWH)





DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

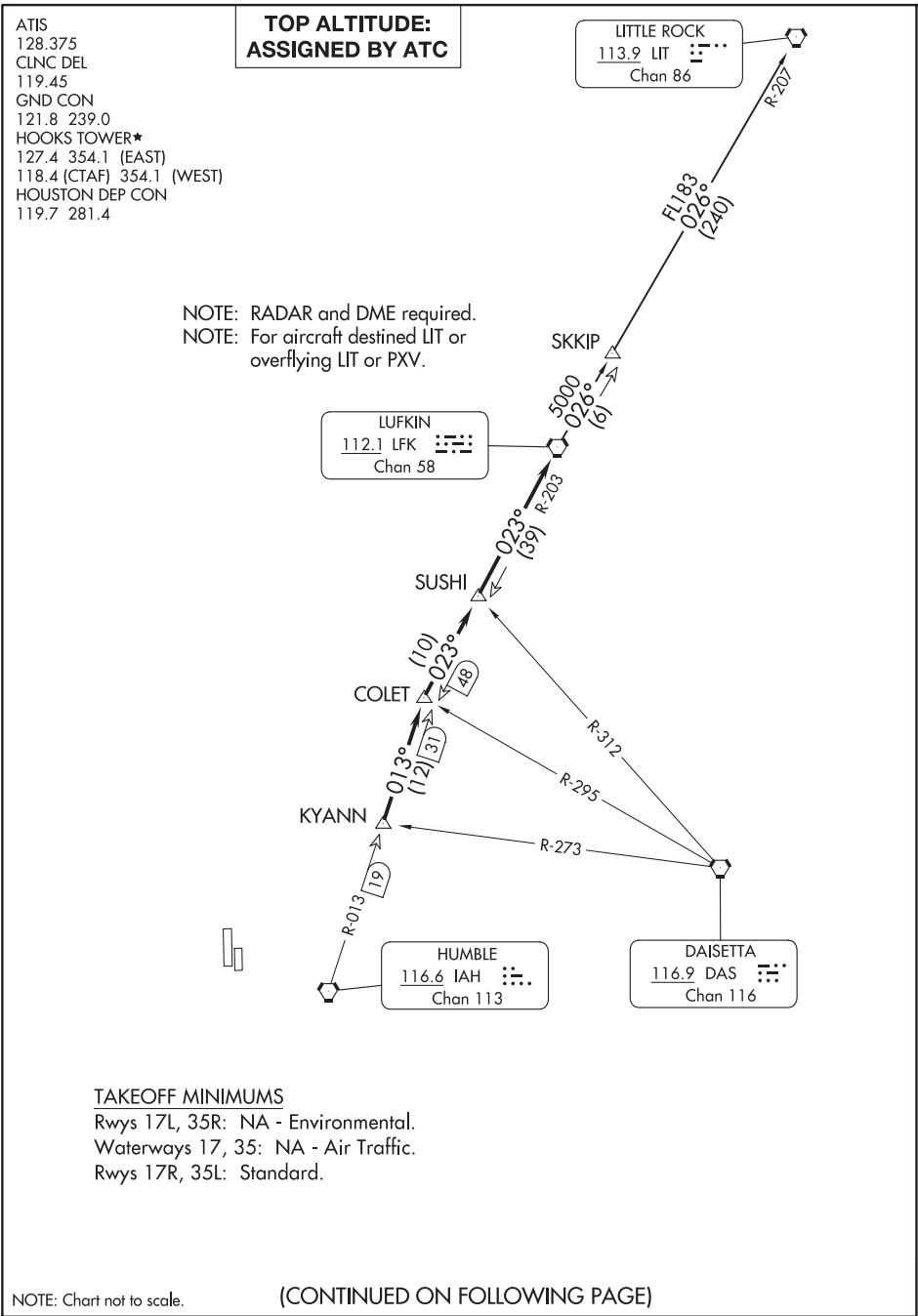
ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



(LFK3.LFK) 21280

DAVID WAYNE HOOKS MEML (DWH)

LUFKIN THREE DEPARTURE

AL-5457 (FAA)

HOUSTON, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

LUFKIN THREE DEPARTURE

HOUSTON, TEXAS

(LFK3.LFK) 07OCT21

DAVID WAYNE HOOKS MEML (DWH)

## LURIC EIGHT DEPARTURE (RNAV)

ATIS  
 128.375  
 CLNC DEL  
 119.45  
 GND CON  
 121.8 239.0  
 HOOKS TOWER ★  
 127.4 354.1 (EAST)  
 118.4 (CTAF) 354.1 (WEST)  
 HOUSTON DEP CON  
 119.7 281.4

**TOP ALTITUDE: ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 17L, 35R: NA-Environmental.  
Waterways 17, 35: NA-Air Traffic.  
Rwys 17R, 35L: Standard with minimum  
climb of 500' per NM to 660.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168° to 660 for RADAR vectors to KNTKY, thence . . . .

TAKEOFF RUNWAY 35L: Climb on heading 348° to 660 for RADAR vectors to KNTKY, thence . . .

... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

## LURIC EIGHT DEPARTURE (RNAV)

(LURIC8.LURIC) 07OCT21

HOUSTON, TEXAS

DAVID WAYNE HOOKS MEML (DWH)



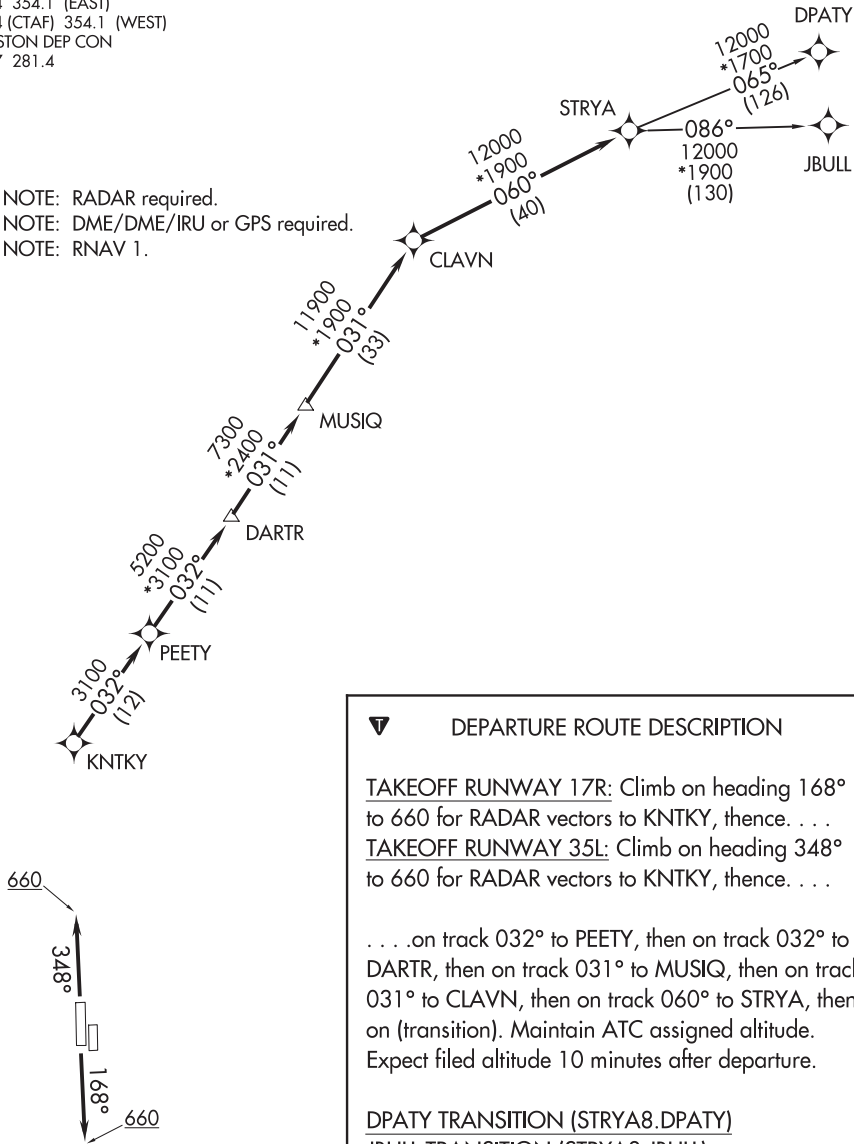


ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
119.7 281.4

TAKEOFF MINIMUMS  
Rwys 17L, 35R: NA-Environmental.  
Waterway 17, 35: NA-Air Traffic.  
Rwys 17R, 35L: Standard with minimum climb of 500' per NM to 660.

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



NOTE: Chart not to scale.



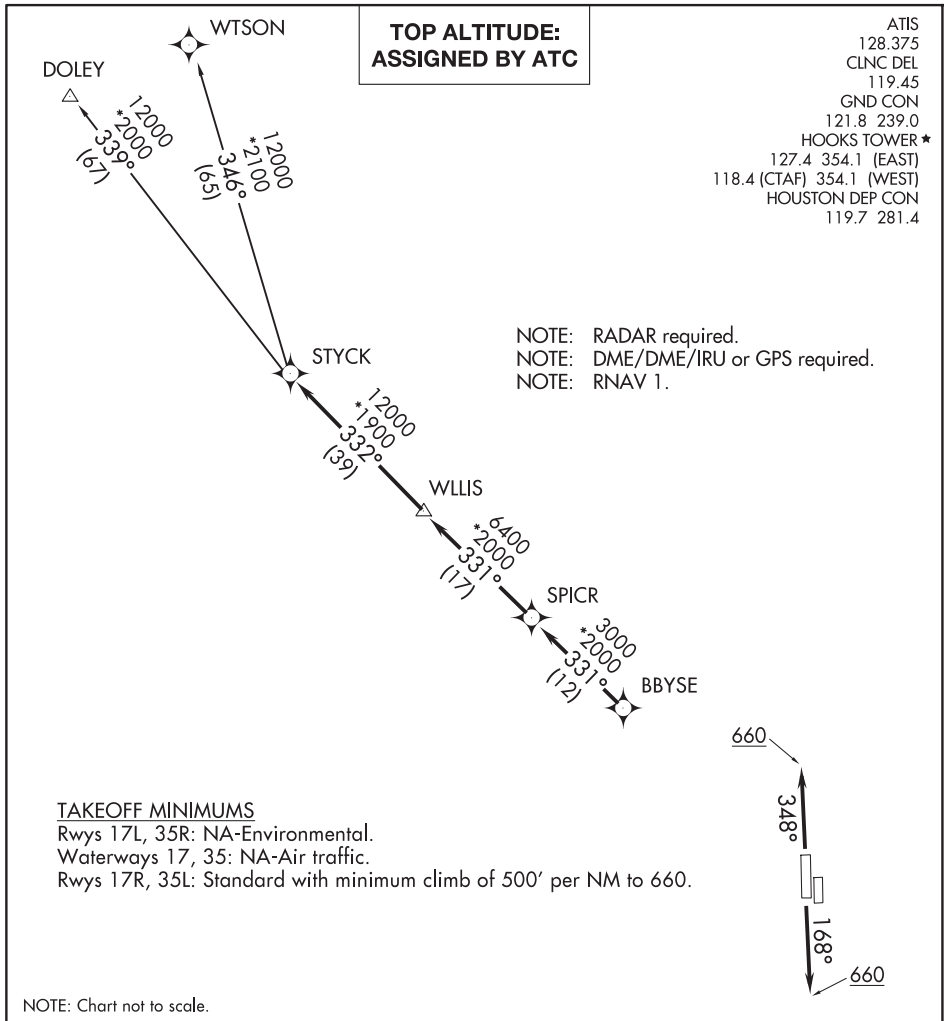
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168° to 660 for RADAR vectors to KNTKY, thence. . . .  
TAKEOFF RUNWAY 35L: Climb on heading 348° to 660 for RADAR vectors to KNTKY, thence. . . .

. . . .on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

## STYCK EIGHT DEPARTURE (RNAV)



## DEPARTURE ROUTE DESCRIPTION

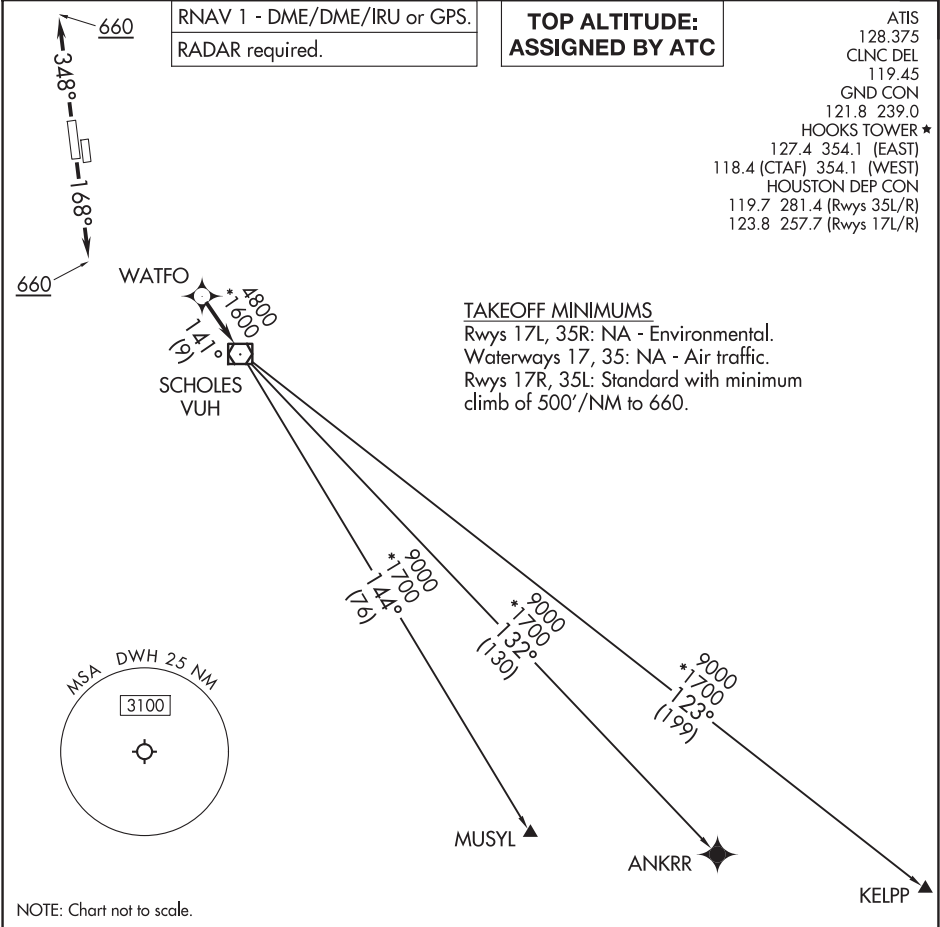
TAKEOFF RUNWAY 17R: Climb on heading 168° to 660 for RADAR vectors to BBYSE, thence. . .

TAKEOFF RUNWAY 35L: Climb on heading 348° to 660 for RADAR vectors to BBYSE, thence. . .

...on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)

WTSON TRANSITION (STYCK8.WTSON)



DEPARTURE ROUTE DESCRIPTION
<u>TAKEOFF RUNWAY 17R:</u> Climb on heading 168° to 660, for RADAR vectors to WATFO, thence. . . .
<u>TAKEOFF RUNWAY 35L:</u> Climb on heading 348° to 660, for RADAR vectors to WATFO, thence. . . .
. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.
<u>ANKRR TRANSITION (WATFO6.ANKRR)</u>
<u>KELPP TRANSITION (WATFO6.KELPP)</u>
<u>MUSYL TRANSITION (WATFO6.MUSYL)</u>

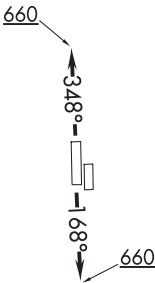
WYLSN EIGHT DEPARTURE (RNAV)

ATIS  
128.375  
CLNC DEL  
119.45  
GND CON  
121.8 239.0  
HOOKS TOWER★  
127.4 354.1 (EAST)  
118.4 (CTAF) 354.1 (WEST)  
HOUSTON DEP CON  
123.8 257.7 (Rwy 17L/R)  
119.7 281.4 (Rwy 35L/R)

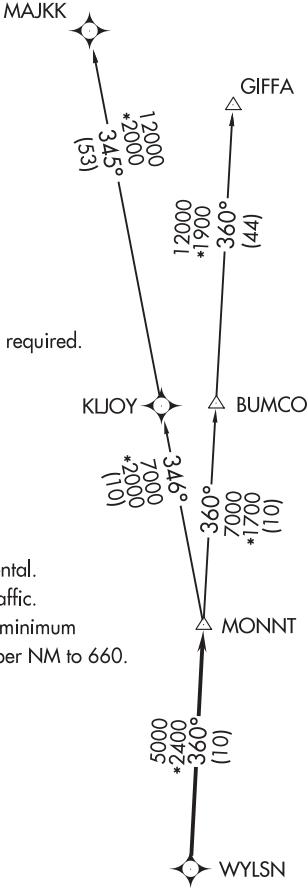
NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 17L, 35R: NA - Environmental.  
Waterways 17, 35: NA - Air Traffic.  
Rwys 17R, 35L: Standard with minimum  
climb of 500' per NM to 660.



NOTE: Chart not to scale.



TOP ALTITUDE:  
ASSIGNED BY ATC



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168°  
to 660 for RADAR vectors to WYLSN, thence. . .  
TAKEOFF RUNWAY 35L: Climb on heading 348°  
to 660 for RADAR vectors to WYLSN, thence. . .

. . . on track 360° to MONNT, then on (transition).  
Maintain ATC assigned altitude. Expect filed  
altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJJK TRANSITION (WYLSN8.MAJJK)

ILS Z or LOC Z RWY 17R  
ELLINGTON (EFD)

**MISSED APPROACH:** Climb to 700 then climbing left turn to 3100 on VUH VOR/DME R-320 to WATFO INT/VUH 9.3 DME and hold (TACAN aircraft climb to 700 then climbing left turn to 3100 on EFD TACAN R-136 to WATFO INT/EFD 16 DME and hold southeast, left turn, 316° inbound).

[illegible]

VGSI and ILS glidepath not coincident  
(VGSI Angle 3.00/TCH 48).

CATEGORY	A	B	C	D	E
S-ILS 17R	232/40		200 (200-¾)		
S-LOC 17R	480/40	448 (500-¾)	480/55	448 (500-1)	
CIRCLING	500-1	467 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

ELLINGTON (EFD)

ILS Z or LOC Z RWY 17R

ILS Z or LOC Z RWY 22  
ELLINGTON (EFD)

MALSR

**MISSED APPROACH:** Climb to 700 then climbing left turn to 3100 on VUH VOR/DME R-320 to WATFO INT/VUH 9.3 DME and hold. (TACAN aircraft climb to 700 then climbing left turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold southeast. left turn. 316° inbound.)

700 ↑	3100 VUJH R-320	WATFO INT	WZDOM INT EFD (6.9) RADAR		SEVSY INT EFD (13) RADAR
*LOC only.			219°		
EFD (0.9)		*EFD (2.4)	2000		2000
1.5 NM		4.5 NM	6.1 NM		GS 3.00° TCH 54
VGS1 and ILS glidepath not coincident (VGS1 Angle 3.00/TCH 50).					
CATEGORY	A	B	C	D	E
S-ILS 22	231/18 200 (200-½)				
S-LOC 22	560/24	529 (600-½)	560/55	529 (600-1)	
CIRCLING	560-1	527 (600-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

ELLINGTON (EFD)  
ILS Z or LOC Z RWY 22

LOC I-EFD <b>111.1</b>	APP CRS <b>354°</b>	Rwy Idg TDZE Apt Elev <b>9001</b> <b>28</b> <b>33</b>
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ILS Z or LOC Z RWY 35L  
ELLINGTON (EFD)

**RADAR required for procedure entry.**

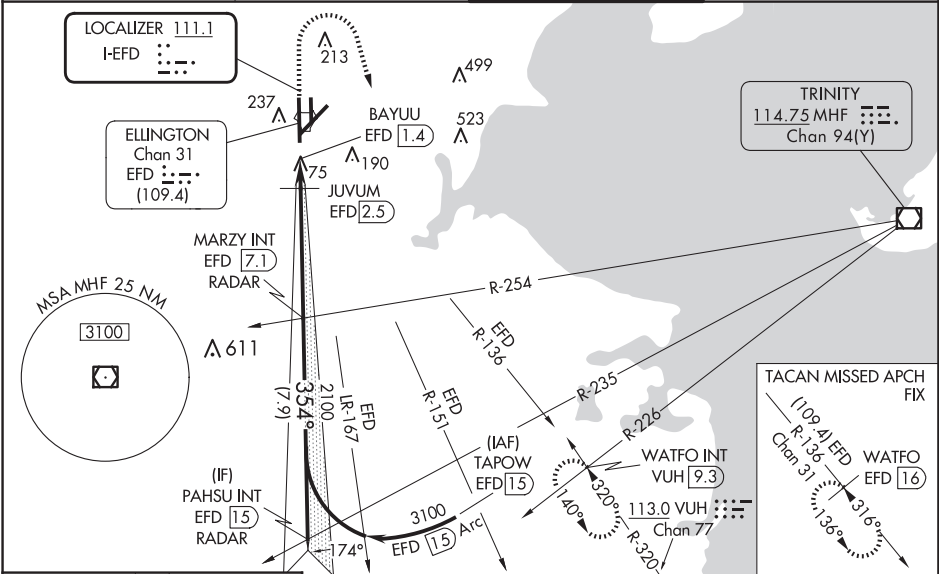
**⚠** Circling NA west of Rwy 17R-35L. DME from EFD TACAN. Simultaneous reception of I-EFD and EFD DME required. Inop table does not apply to S-ILS 35L. For inop ALS, increase S-LOC 35L Cat C/D/E visibility to 1½ SM. For inop ALS when using JUVUM fix minimums, increase S-LOC 35L Cat C/D/E visibility to RVR 6000.

**MALSF**

**⚠**

**MISSED APPROACH:** Climb to 700 then climbing right turn to 3100 on VUH VOR/DME R-320 to WATFO INT/VUH 9.3 DME and hold. (TACAN aircraft climb to 700 then climbing right turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold southeast, left turn, 316° inbound).

ATIS <b>135.575 269.9</b>	HOUSTON APP CON <b>134.45 284.0</b>	ELLINGTON TOWER <b>126.05 253.5</b>	GND CON <b>121.6 275.8</b>
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**ELEV 33** **D** **TDZE 28**

HIRL Rwy 4-22 and 17R-35L  
TDZ/CL Rwy 17R, 22 and 35L

**TWR 116**

**FAF to MAP 5.7 NM**

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

**\*LOC only.**

**WATFO INT**

**JUVUM EFD 2.5**

**BAYUU EFD 1.4**

**MARZY INT EFD 7.1**

**PAHSU INT EFD 15**

**GS 3.00° TCH 54**

0.6 NM 1.1 NM 4.6 NM 7.9 NM

CATEGORY	A	B	C	D	E
S-ILS 35L	228/40 200 (200-¾)				
S-LOC 35L	620/40	592 (600-¾)	620-1⅓	592 (600-1⅓)	
<b>C</b> CIRCLING	620-1	587 (600-1)	620-1¾ 587 (600-1¾)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)
JUVUM FIX MINIMUMS (DME REQUIRED)					
S-LOC 35L	440/40	412 (500-¾)	440/50	412 (500-1)	
<b>C</b> CIRCLING	500-1	467 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-197 (FAA)

24137

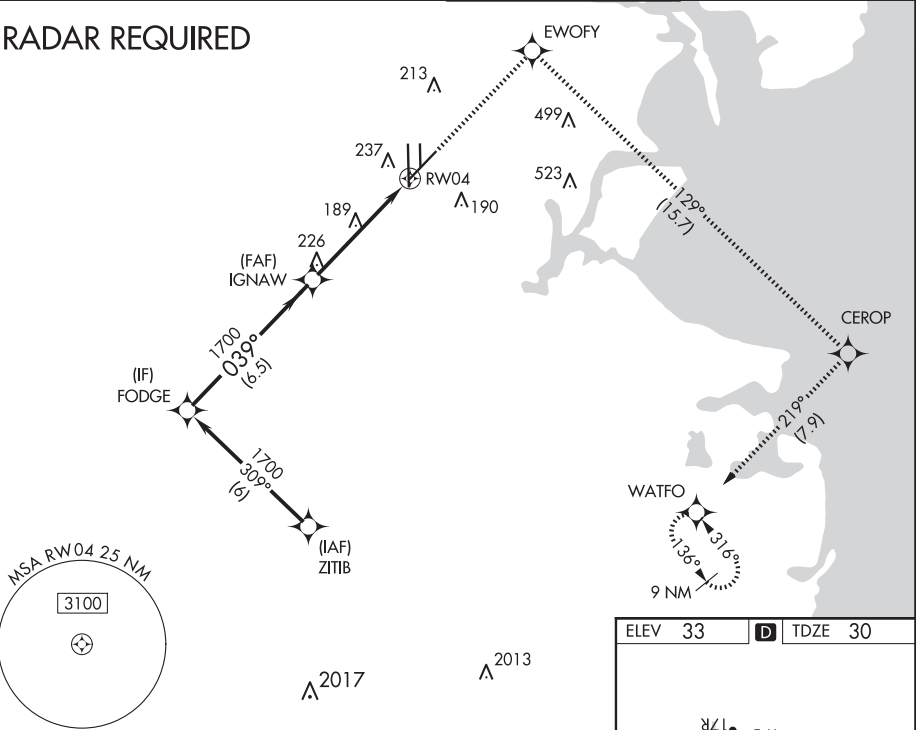
APP CRS	Rwy Idg	8001
039°	TDZE	30
	Apt Elev	33


RNAV (GPS) RWY 4  
ELLINGTON (EFD)

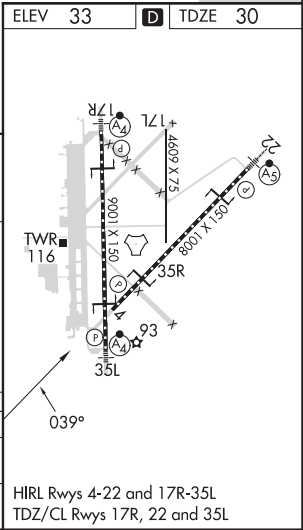
<p><b>⚠</b></p> <p>Circling NA west of Rwy 17R-35L. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA.</p>	<p>MISSED APPROACH: Climb to 3100 direct EWOFY and right turn on track 129° to CEROP and right turn on track 219° to WATFO and hold.</p>
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ATIS 135.575 269.9	HOUSTON APP CON 134.45 284.0	ELLINGTON TOWER 126.05 253.5	GND CON 121.6 275.8
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RADAR REQUIRED



	3100 ↑		EWOFY ✧		CEROP ↷ tr 129°		WATFO ↷ tr 219°		✧		
<div><div>FODGE</div><div>IGNAW</div><div>RW04</div></div> <div><div>1700</div><div>039°</div><div>1700</div><div>3.04°</div><div>TCH 50</div></div> <div><div>6.5 NM</div><div>5 NM</div></div>											
CATEGORY	A		B		C		D		E		
LNAV MDA	500-1 470 (500-1)				500-1⅓ 470 (500-1⅓)						
 CIRCLING	500-1		467 (500-1)		580-1½ 547 (600-1½)		640-2 607 (700-2)		700-2¼ 667 (700-2¼)		



HOUSTON, TEXAS  
Amdt 1C 08OCT20

29°36'N-95°10'W

ELLINGTON (EFD)  
RNAV (GPS) RWY 4

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



WAAS CH <b>70625</b> <b>W17A</b>	APP CRS <b>174°</b>	Rwy Idg TDZE <b>32</b> Apt Elev <b>33</b>
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RNAV (GPS) RWY 17R

ELLINGTON (EFD)

⚠

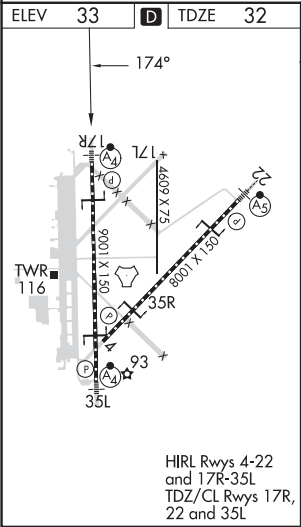
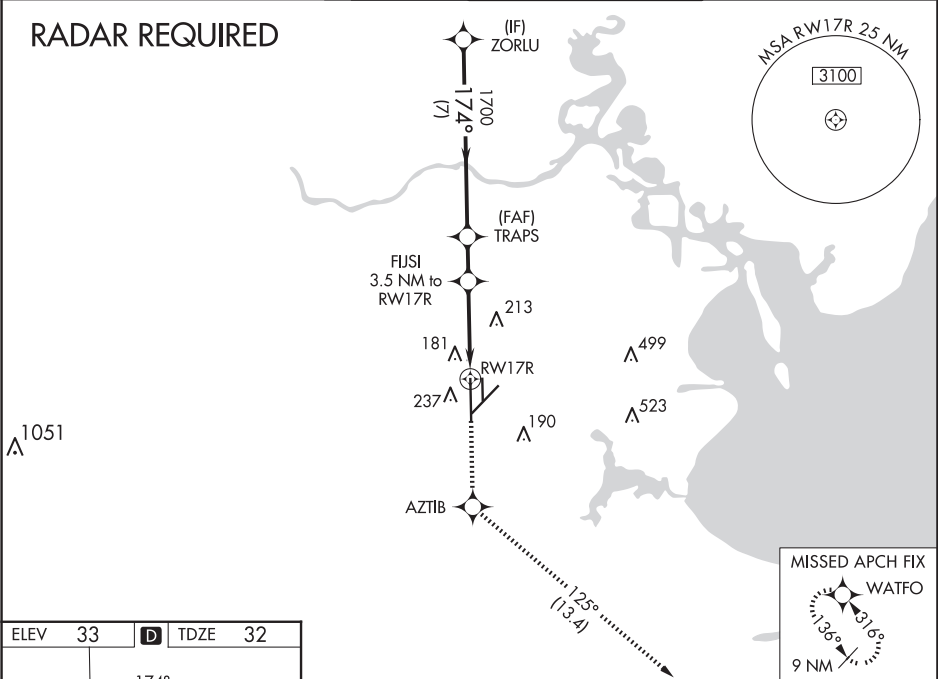
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 43°C (109°F). DME/DME RNP-0.3 NA. Inop table does not apply to LPV DA. For inop MALSF, increase LNAV/VNAV all Cats and LNAV Cats A and B visibility to RVR 5500 and Cats C/D/E visibility to 1½ miles. Circling NA west of Rwy 17R-35L.

MALSF

MISSED APPROACH: Climb to 3100 direct AZTIB and on track 125° to WATFO and hold.

ATIS <b>135.575 269.9</b>	HOUSTON APP CON <b>134.45 284.0</b>	ELLINGTON TOWER <b>126.05 253.5</b>	GND CON <b>121.6 275.8</b>
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RADAR REQUIRED



VGSi and RNAV glidepath not coincident (VGSi Angle 3.00/TCH 48).					3100	AZTIB	fr 125°	WATFO
ZORLU					2000	TRAPS	FUJSI	*LNAV only.
GP 3.00° TCH 52					1700	1700	3.5 NM to RW17R	
					174°	174°	*1.4 NM to RW17R	
					1700	*1180		
					7 NM	1.6 NM	2.2 NM	1.4 NM
CATEGORY	A	B	C	D	E			
LPV DA	232/40				200 (200-¾)			
LNAV/VNAV DA	363/40				331 (400-¾)			
LNAV MDA	500/40	468 (500-¾)	500/60		468 (500-1¼)			
CIRCLING	500-1	467 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)			

HOUSTON, TEXAS

AL-197 (FAA)

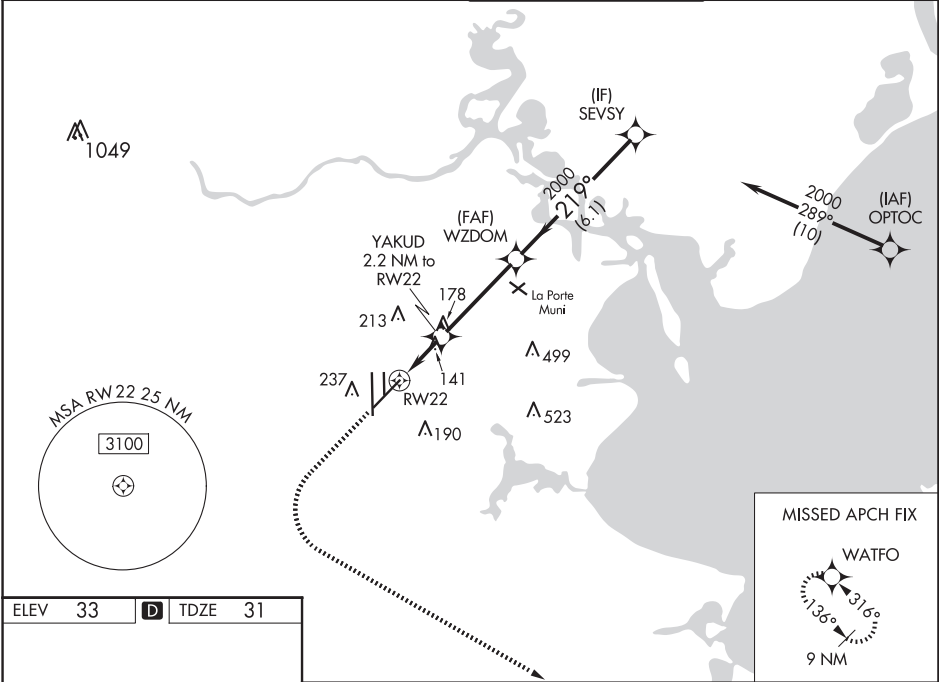
24137

WAAS CH <b>61111</b> <b>W22A</b>	APP CRS <b>219°</b>	Rwy Idg <b>8001</b> TDZE <b>31</b> Apt Elev <b>33</b>
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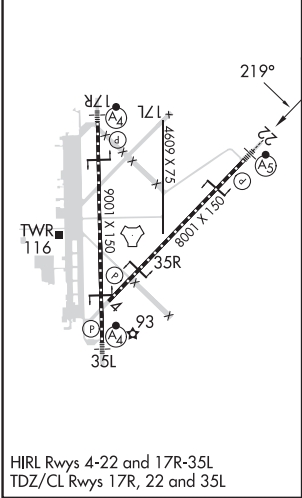
RNAV (GPS) RWY 22  
ELLINGTON (EFD)

RNP APCH. <div><div><div></div><div></div></div><div>Circling NA west of Rwy 17R - 35L. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°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/E visibility to RVR 5500.</div></div>	MALSR <div><div></div><div></div></div>	MISSED APPROACH: Climb to 500 then climbing left turn to 3100 direct WATFO and hold.
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ATIS <b>135.575 269.9</b>	HOUSTON APP CON <b>134.45 284.0</b>	ELLINGTON TOWER <b>126.05 253.5</b>	GND CON <b>121.6 275.8</b>
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ELEV 33	<b>D</b>	TDZE 31
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500	3100	WATFO	VGSi and RNAV glidepath not coincident (VGSi Angle 3.00/TCH 50).		
*LNAV only.			YAKUD 2.2 NM to RW22	WZDOM 2000	SEVSY 2000
*1 NM to RW22			780*	2000	GP 3.00° TCH 54
1 NM			1.2 NM	3.8 NM	6.1 NM
CATEGORY	A	B	C	D	E
LPV	DA	231/18		200 (200-½)	
LNAV/VNAV	DA	341/24		310 (400-½)	
LNAV	MDA	400/24		400/35	
CIRCLING		500-1	467 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)
				700-2¼ 667 (700-2¼)	

HOUSTON, TEXAS  
Amdt 2D 15AUG19

29°36'N-95°10'W

ELLINGTON (EFD)  
RNAV (GPS) RWY 22

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>97629</b> <b>W35A</b>	APP CRS <b>354°</b>	Rwy Idg <b>9001</b> TDZE <b>28</b> Apt Elev <b>33</b>
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RNAV (GPS) RWY 35L  
ELLINGTON (EFD)

**T** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 43°C (109°F). Circling NA west of Rwy 17R-35L. DME/DME RNP-0.3 NA.

**A** For inop MALSF, increase LNAV/VNAV all Cats visibility to 1½ mile, and LNAV Cats A and B visibility to 1 mile and Cats C, D and E visibility to 1½ mile. Inop table does not apply to LPV.

MALSF

**MISSED APPROACH:** Climb to 1500 then climbing right turn to 3100 direct WATFO and hold.

ATIS 135.575 269.9	HOUSTON APP CON 134.45 284.0	ELLINGTON TOWER 126.05 253.5	GND CON 121.6 275.8
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## RADAR REQUIRED

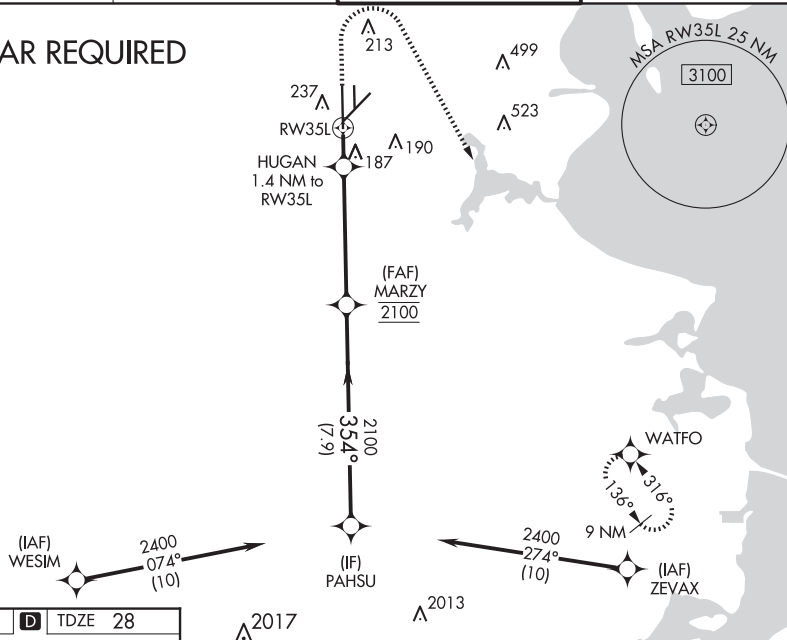


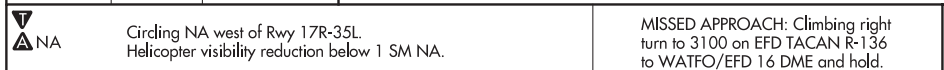
Diagram illustrating the PAHSU instrument approach chart. The chart shows a 35° climb from 2100 to 2400 feet. Key features include:

- 1500**: Straight arrow symbol.
- 3100**: Curved arrow symbol.
- WATFO**: Star symbol.
- VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 32)**: Note at the top.
- PAHSU**: Destination point at 2400 feet.
- MARZY**: Intermediate point at 2100 feet.
- HUGAN**: 1.4 NM to RW35L.
- 520\***: Minimum safe altitude (LNAV only).
- RW35L**: Runway 35 Left.
- GP 3.00° TCH 54**: Glidepath and threshold information.
- Distances**: 1.4 NM, 4.9 NM, 7.9 NM.

CATEGORY	A	B	C	D	E
LPV DA		228/40	200 (200-¾)		
RNAV/VNAV DA		499/60	471 (500-1¼)		
RNAV MDA	440/40	412 (500-¾)	440/50	412 (500-1)	
<b>C</b> CIRCLING	500-1	468 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2½ 667 (700-2½)

TACAN EFD Chan <b>31</b> <b>(109.4)</b>	APP CRS <b>028°</b>	Rwy Idg <b>8001</b> TDZE <b>30</b> Apt Elev <b>33</b>
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TACAN RWY 4  
ELLINGTON (EFD)



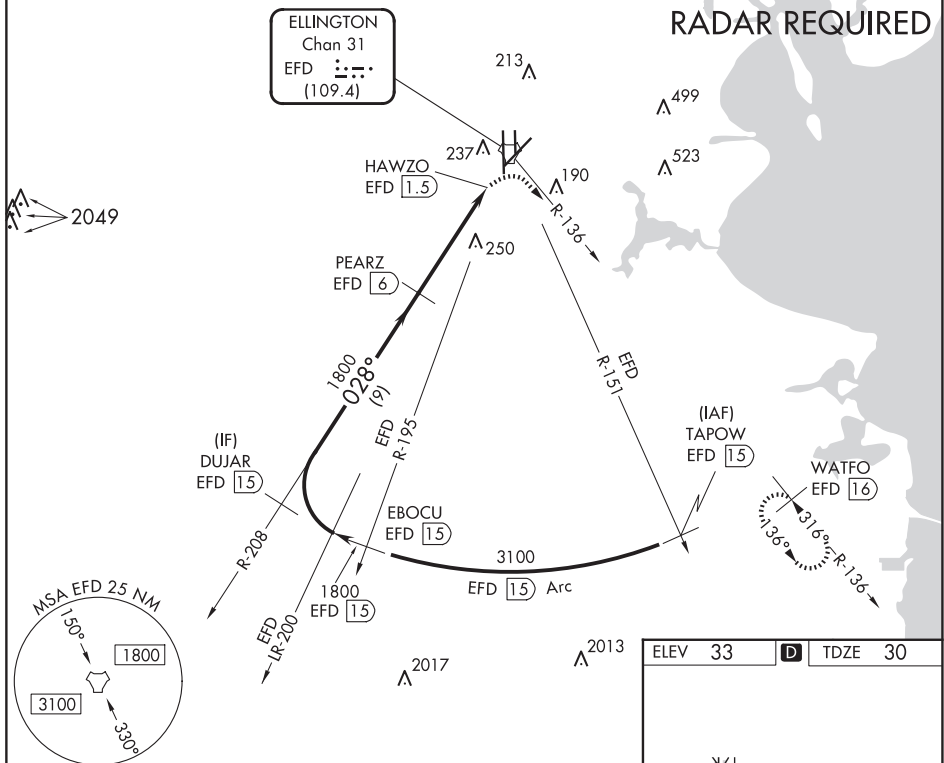
ATIS  
135.575 269.9

HOUSTON APP CON  
134.45 284.0

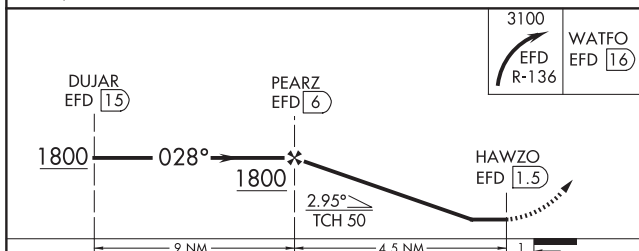
ELLINGTON TOWER  
126.05 253.5

GND CON  
121.6 275.8

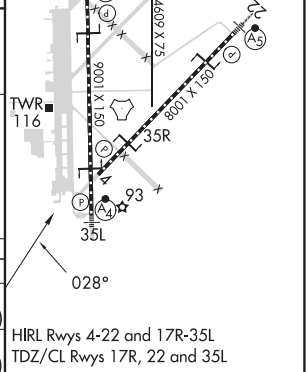
## RADAR REQUIRED



ESA W/IN 100 NM 16000



CATEGORY	A	B	C	D	E
S-4	520-1¼ 490 (500-1¼)			520-1½ 490 (500-1½)	520-1¾ 490 (500-1¾)
C CIRCLING	520-1¼ 487 (500-1¼)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)	



HOUSTON, TEXAS  
Orig-B 08OCT20

29°36'N-95°10'W

ELLINGTON (EFD)  
TACAN RWY 4

SC-5, 07 AUG 2025 to 02 OCT 2025

TACAN EFD	APP CRS	Rwy Idg	9001
Chan 31	163°	TDZE	32
(109.4)		Apt Elev	33

TACAN RWY 17R

ELLINGTON (EFD)

When ALS inop, increase visibility Cat A/B to RVR 5500 and Cat C/D/E visibility to 1½ miles.  
Circling NA west of Rwy 17R-35L.

MALSF

A4

MISSED APPROACH: Climbing left turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.

ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8

RADAR REQUIRED

2049

MSA EFD 25 NM

150°

1800

3100

330°

ESA W/IN 100 NM 16000

ELLINGTON Chan 31 EFD (109.4)

YESHI EFD 6.4

JINNI EFD 5

GIKAW EFD 1.5

WATFO EFD 16

2000

1600

163°

163° (1.4)

343

213

237

190

17R

35L

35R

9001 X 150

4602 X 75

8001 X 50

35R

93

35L

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 48).

ETIME EFD 11

LAWKE EFD 11

YESHI EFD 6.4

JINNI EFD 5

GIKAW EFD 1.5

WATFO EFD 16

2000

2000

163°

2000

1600

163°

3.39°

TCH 50

0.7

0.7

CATEGORY

A

B

C

D

E

S-17R

500/40 468 (500-¾)

500/60 468 (500-1¼)

CIRCLING

500-1 467 (500-1)

580-1½ 547 (600-1½)

640-2 607 (700-2)

700-2¼ 667 (700-2¼)

ELEV 33

TDZE 32

163°

17R

35L

35R

9001 X 150

4602 X 75

8001 X 50

35R

93

35L

HOUSTON, TEXAS

Orig-B 08OCT20

29°36'N-95°10'W

227

ELLINGTON (EFD)

TACAN RWY 17R

HOUSTON, TEXAS

AL-197 (FAA)

24137

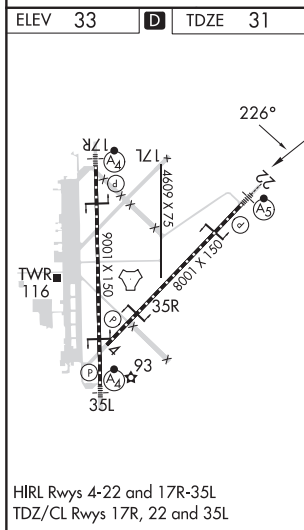
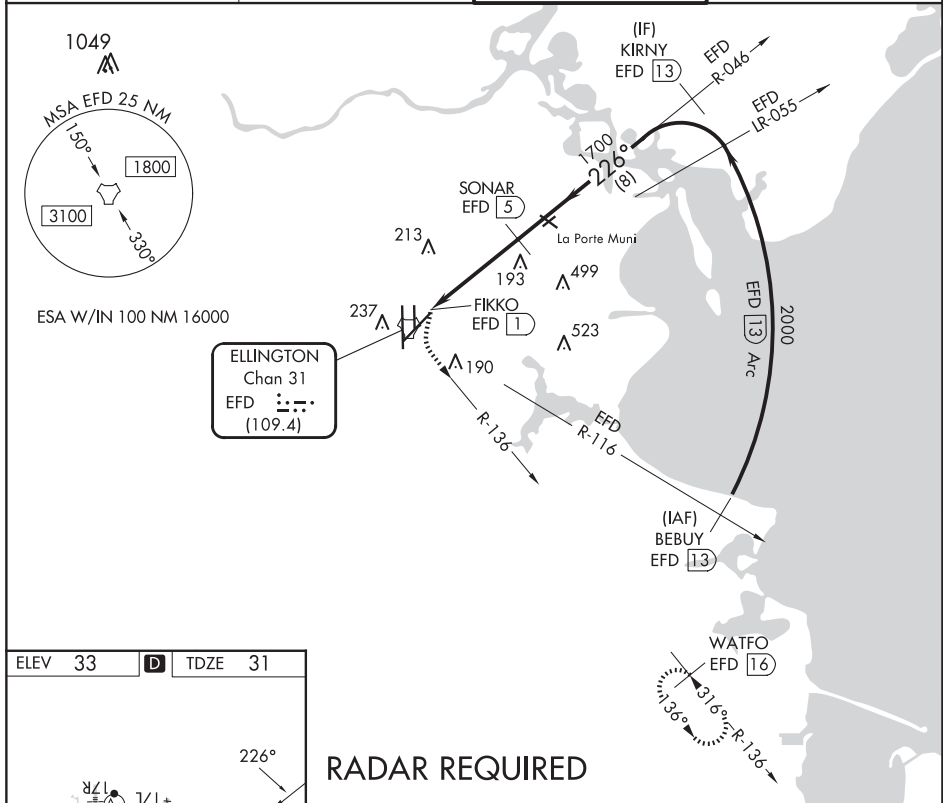
TACAN EFD Chan <b>31</b> (109.4)	APP CRS <b>226°</b>	Rwy Idg <b>8001</b> TDZE <b>31</b> Apt Elev <b>33</b>
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# TACAN RWY 22

ELLINGTON (EFD)

Circling NA west of Rwy 17R-35L. When ALS inop, increase S-22 Cat A/B visibility to RVR 5500 and Cat C/D/E to 1 3/4 miles.	MALSR	MISSED APPROACH: Climbing left turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.
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ATIS <b>135.575 269.9</b>	HOUSTON APP CON <b>134.45 284.0</b>	ELLINGTON TOWER <b>126.05 253.5</b>	GND CON <b>121.6 275.8</b>
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## RADAR REQUIRED

3100 EFD R-136	WATFO EFD 16	VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 50).			KIRNY EFD 13
Cat D/E VDA not for civil use.					
CATEGORY	A	B	C	D	E
S-22	500/24	469 (500-½)	500/50	469 (500-1)	
CIRCLING	500-1	467 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

HOUSTON, TEXAS  
Orig-C 08OCT20

29°36'N-95°10'W

# ELLINGTON (EFD) TACAN RWY 22

SC-5, 07 AUG 2025 to 02 OCT 2025

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TACAN EFD Chan <b>31</b> (109.4)	APP CRS <b>002°</b>	Rwy Idg TDZE <b>28</b> Apt Elev <b>33</b>
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TACAN RWY 35L

ELLINGTON (EFD)

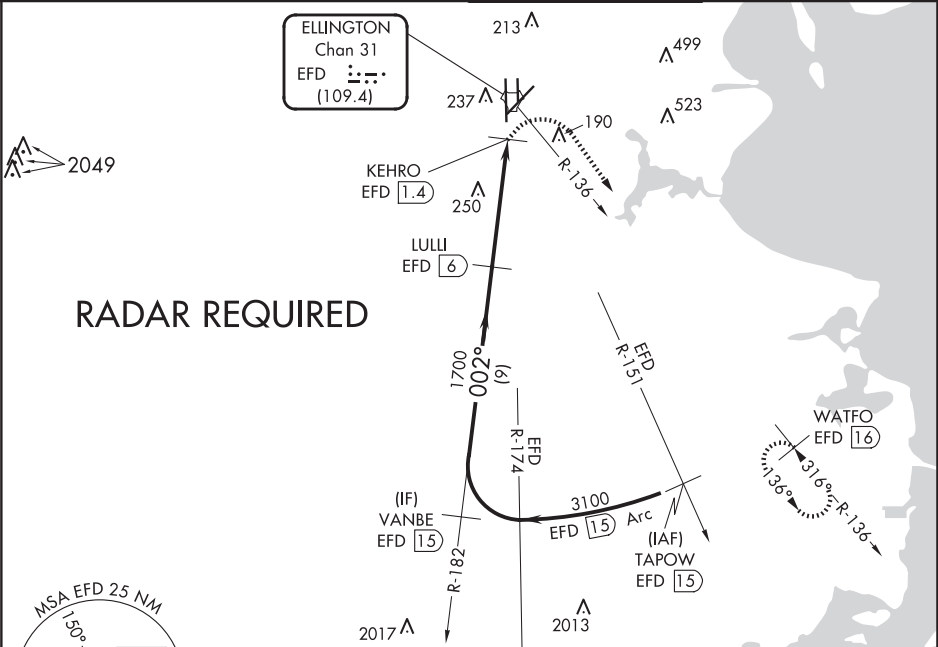
NA

Circling NA west of Rwy 17R-35L. When ALS inop, increase S-35L Cats A/B visibility to RVR 5500 and Cats C/D/E to 1½ miles.

MALSF

MISSED APPROACH: Climbing right turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.

ATIS <b>135.575 269.9</b>	HOUSTON APP CON <b>134.45 284.0</b>	ELLINGTON TOWER <b>126.05 253.5</b>	GND CON <b>121.6 275.8</b>
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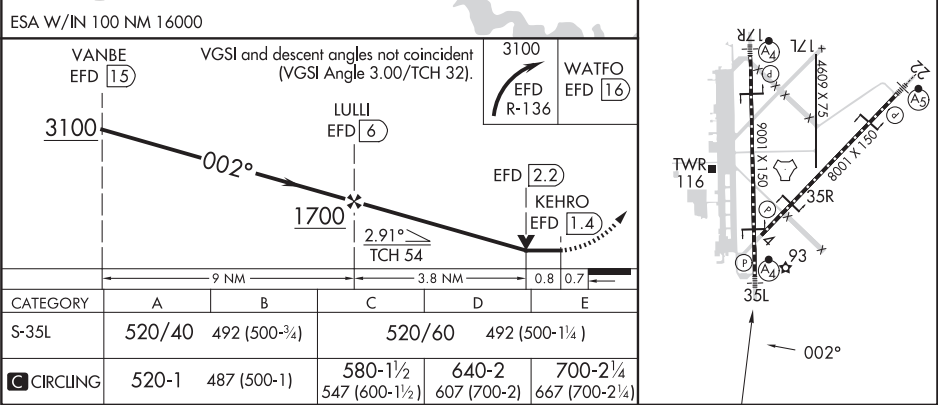


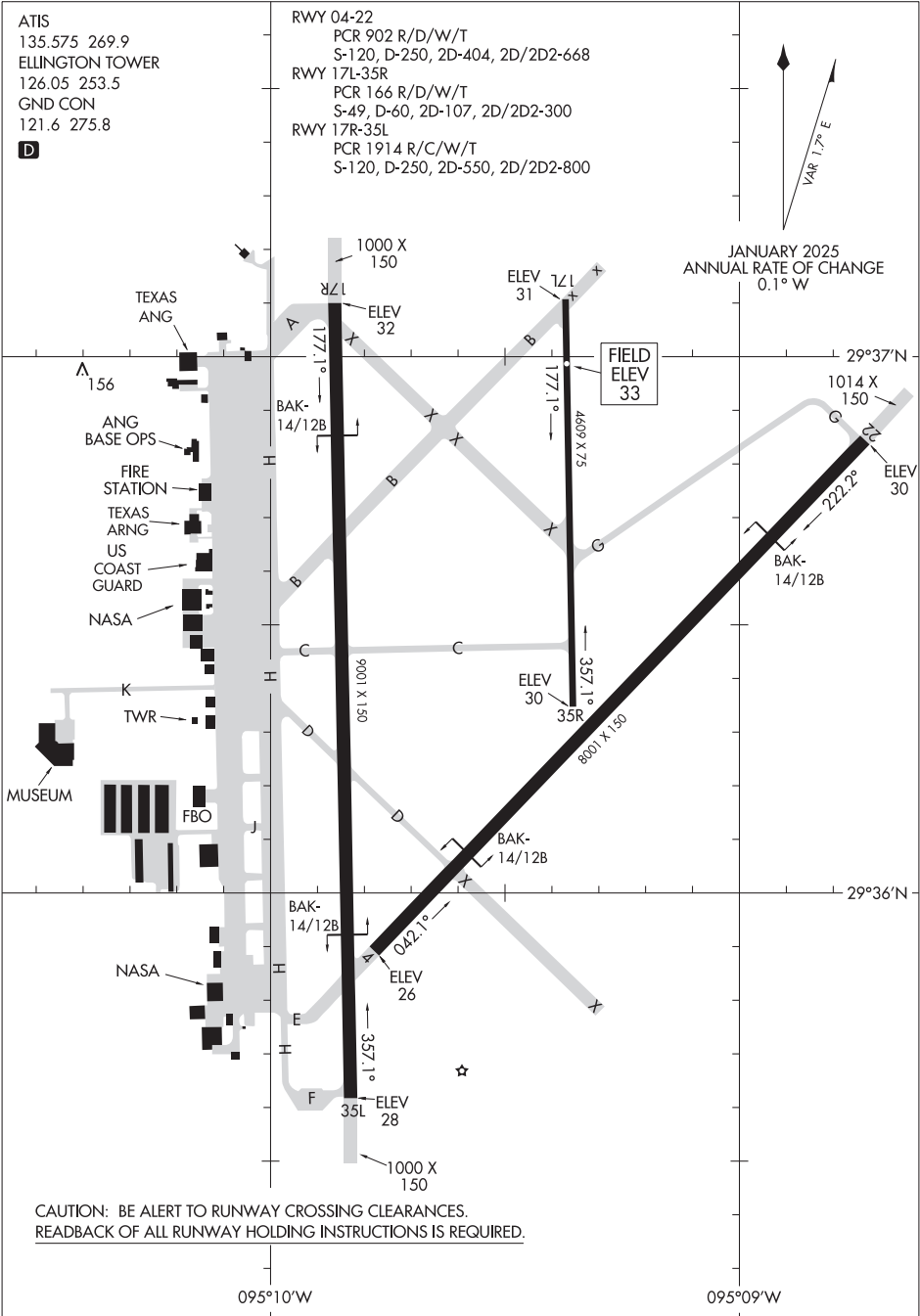
ELEV 33

D

TDZE 28

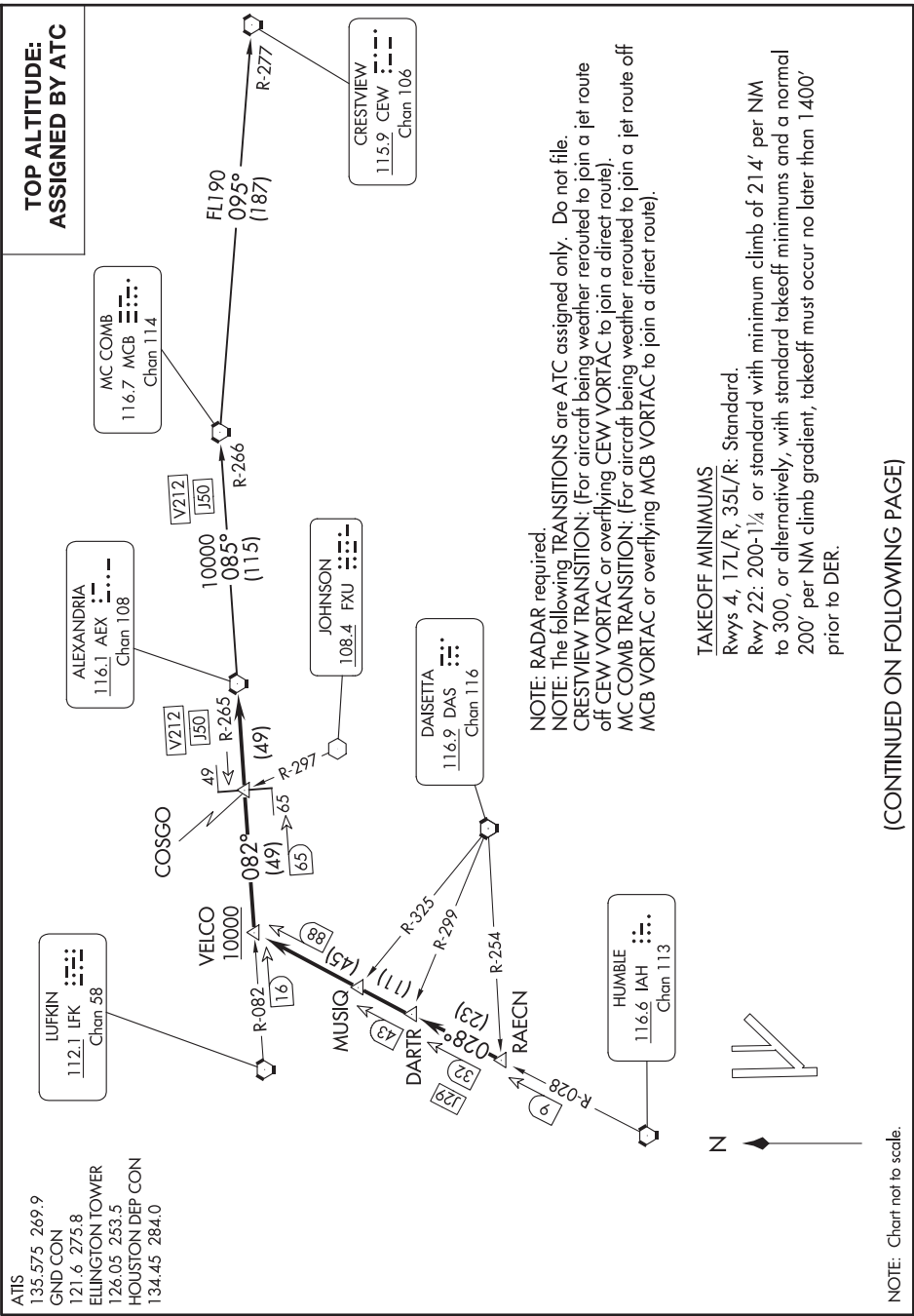
HIRL Rwy 4-22 and 17R-35L  
TDZ/CL Rwy 17R, 22 and 35L







ALEXANDRIA THREE DEPARTURE



ALEXANDRIA THREE DEPARTURE

(CONTINUED ON FOLLOWING PAGE)

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

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SC-5, 07 AUG 2025 to 02 OCT 2025

## BLTWY SEVEN DEPARTURE (RNAV)

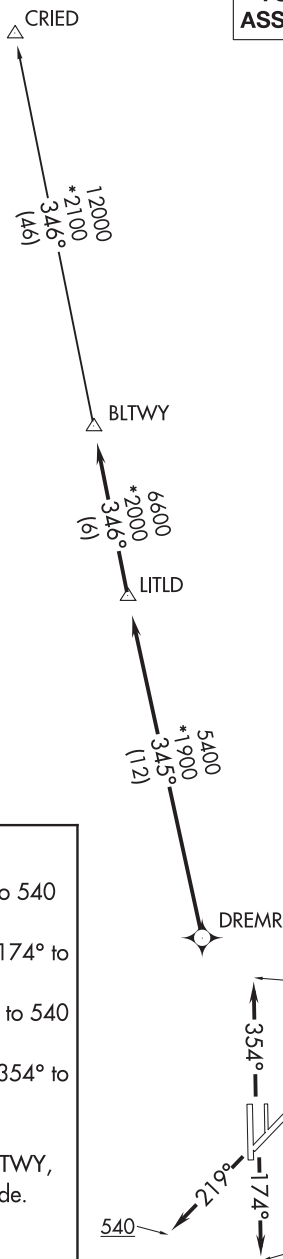
ATIS  
 135.575 269.9  
 GND CON  
 121.6 275.8  
 ELLINGTON TOWER  
 126.05 253.5  
 HOUSTON DEP CON  
 134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 4, 17L/R, 22, 35L/R:  
Standard with minimum climb of 500' per NM to 540.



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 039° to 540  
for RADAR vectors to DREMR, thence . . . .

TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540 for RADAR vectors to DREMR, thence . . . .

**TAKEOFF RUNWAY 22:** Climb on heading 219° to 540  
for RADAR vectors to DREMR, thence . . .

TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540 for RADAR vectors to DREMR, thence . . .

...on track 345° to LITLD, then on track 346° to BLTWY,  
then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)

NOTE: Chart not to scale.

BLTWY SEVEN DEPARTURE (RNAV)

(BLTWY7.BLTWY) 07OCT21

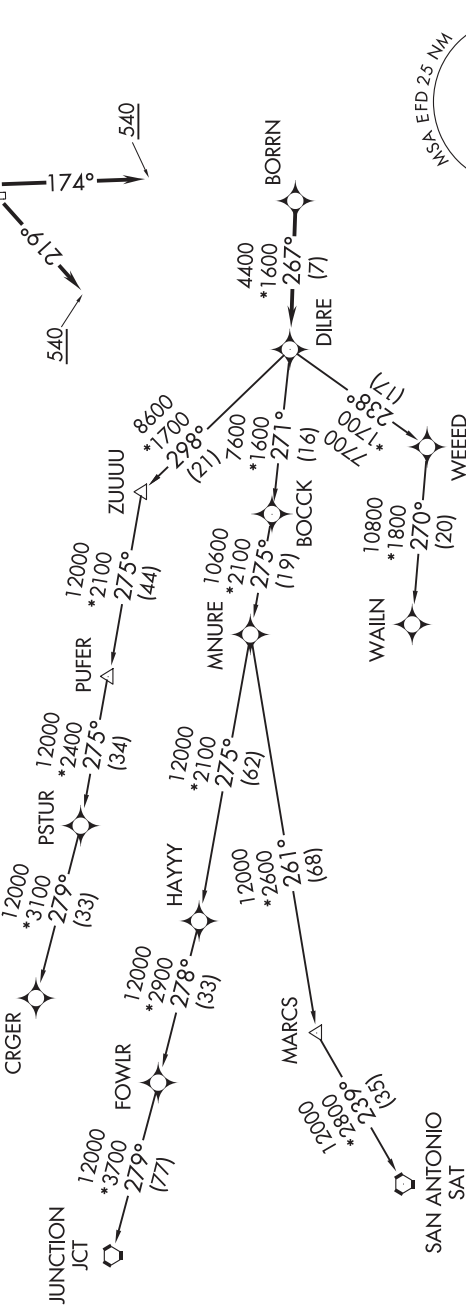
HOUSTON, TEXAS  
ELLINGTON (EFD)

ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 4, 17L/R, 22, 35L/R:  
Standard with minimum  
climb of 500' /NM to 540.



NOTE: CRGR-TRANSITION ATC assigned only  
for aircraft departing 54T, AXH, EFD, GLS,  
HPY, IWS, LBX, LVJ, SGR, TME, TØØ, T41.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 039° to 540, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 22: Climb on heading 219° to 540, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (BORRN6.CRGER)
- JUNCTION TRANSITION (BORRN6.JCT)
- MNURE TRANSITION (BORRN6.MNURE)
- SAN ANTONIO TRANSITION (BORRN6.SAT)
- WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(Cried1.Cried) 24193

Cried One Departure

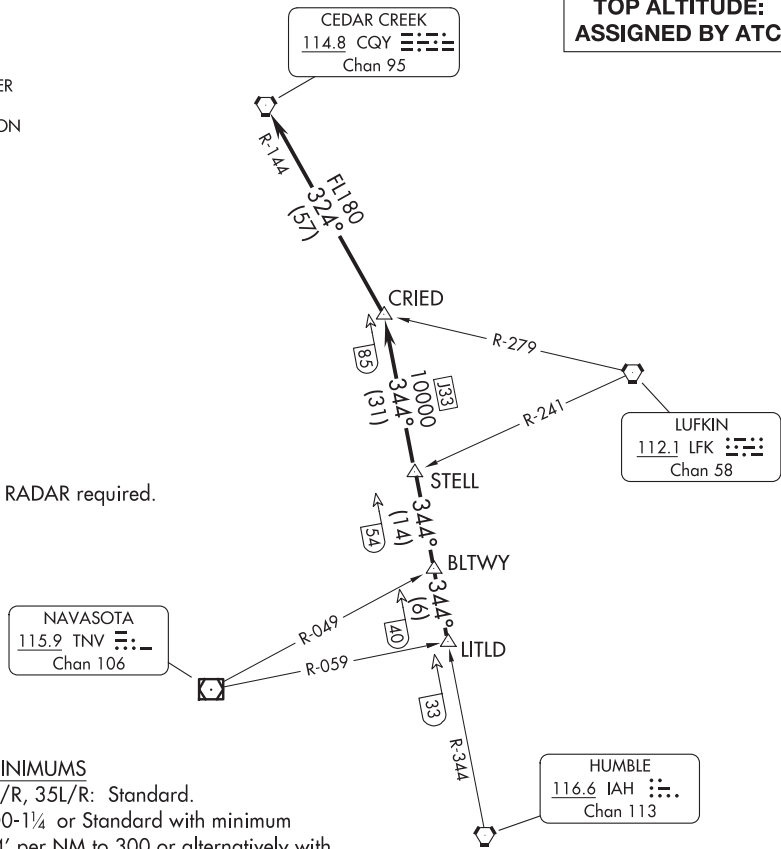
AL-197 (FAA)

ELLINGTON (EFD)  
HOUSTON, TEXAS

ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.



TAKEOFF MINIMUMS

Rwys 4, 17L/R, 35L/R: Standard.  
Rwy 22: 200-1¼ or Standard with minimum climb of 214' per NM to 300 or alternatively with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1400' prior to DER.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

Cried One Departure

(Cried1.Cried) 07OCT21

HOUSTON, TEXAS  
ELLINGTON (EFD)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(ELD1.ELD) 24193

AL-197 (FAA)

ELLINGTON (EFD)  
HOUSTON, TEXAS

EL DORADO ONE DEPARTURE

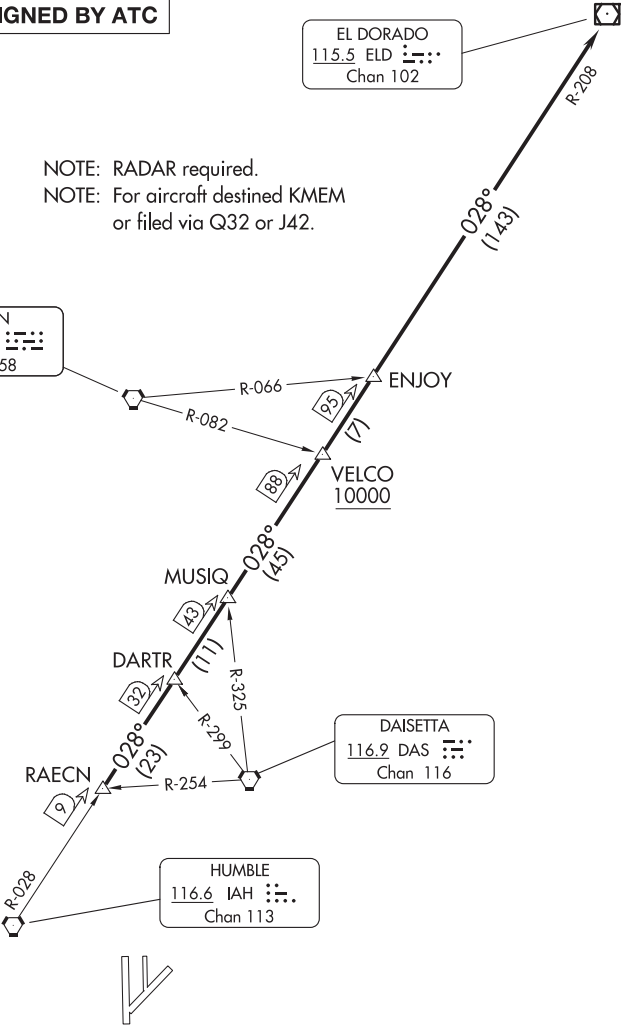
ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

EL DORADO  
115.5 ELD  
Chan 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS

Rwys 4, 17L/R, 35L/R: Standard.  
Rwy 22: 200-1¼ or standard with minimum  
climb of 214' per NM to 300 or alternatively with  
standard takeoff minimums and a normal 200' per  
NM climb gradient, takeoff must occur no later than  
1400' prior to DER.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

EL DORADO ONE DEPARTURE

(ELD1.ELD) 07OCT21

HOUSTON, TEXAS  
ELLINGTON (EFD)

EL DORADO ONE DEPARTURE



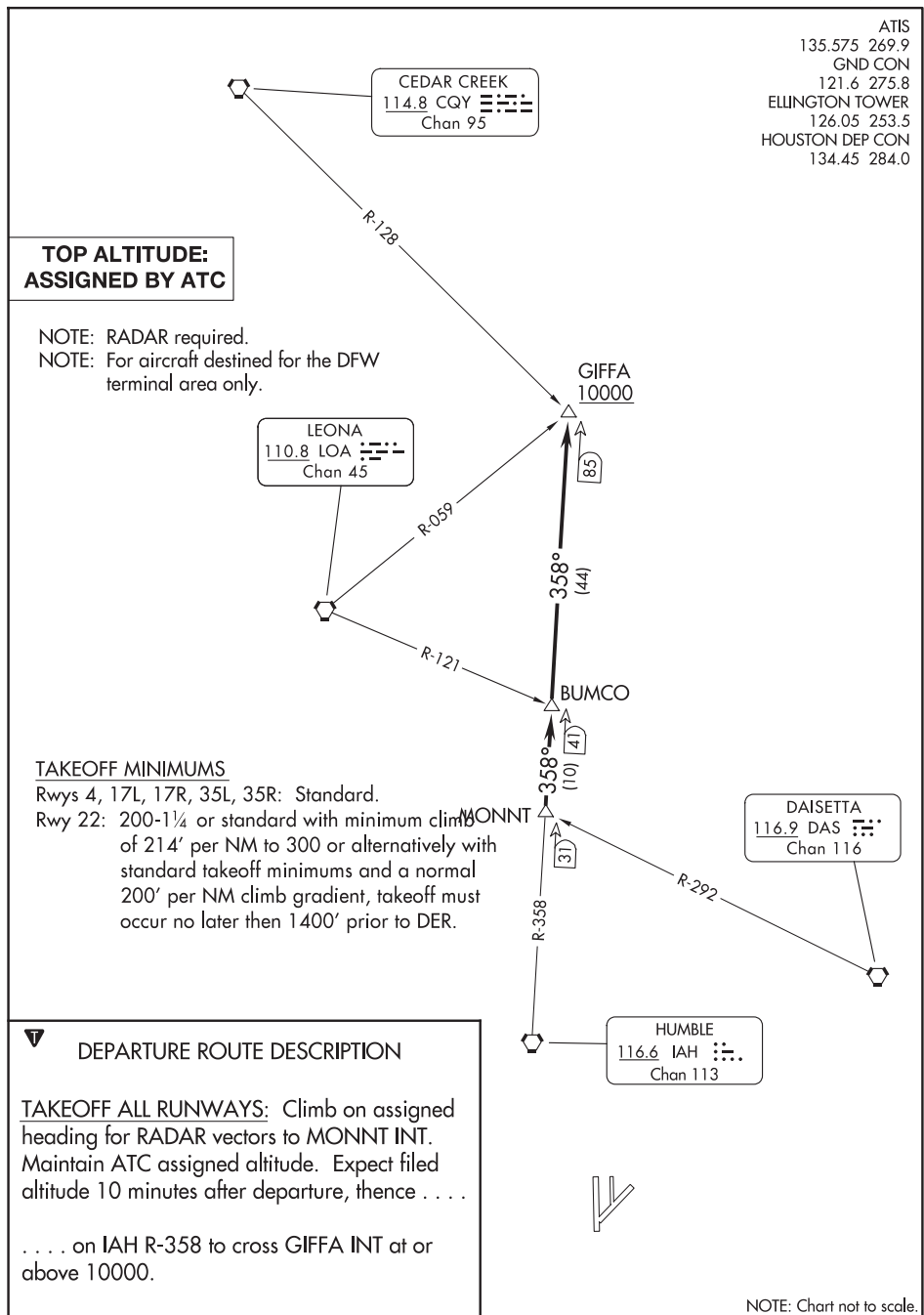
DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to  
RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes  
after departure, thence. . . .  
  
. . . .on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or  
above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





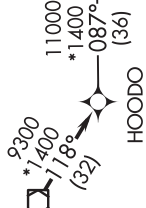
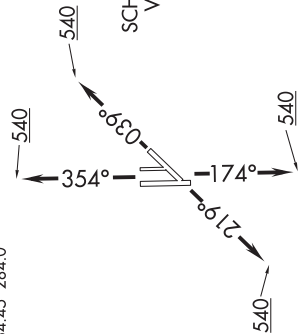
ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

HOODO SEVEN DEPARTURE (RNAV)  
(HOODO7.HOODO) 07OCT21

TOP ALTITUDE:  
ASSIGNED BY ATC

- NOTE: RNAV 1.  
NOTE: RADAR required.  
NOTE: ATC assigned only.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: For non-GPS equipped aircraft, LCH, ILLA, TBD, and LEV DME's must be operational.

TAKEOFF MINIMUMS  
Rwys 4, 17L/R, 22, 35L/R: Standard with minimum climb of 500' per NM to 540.



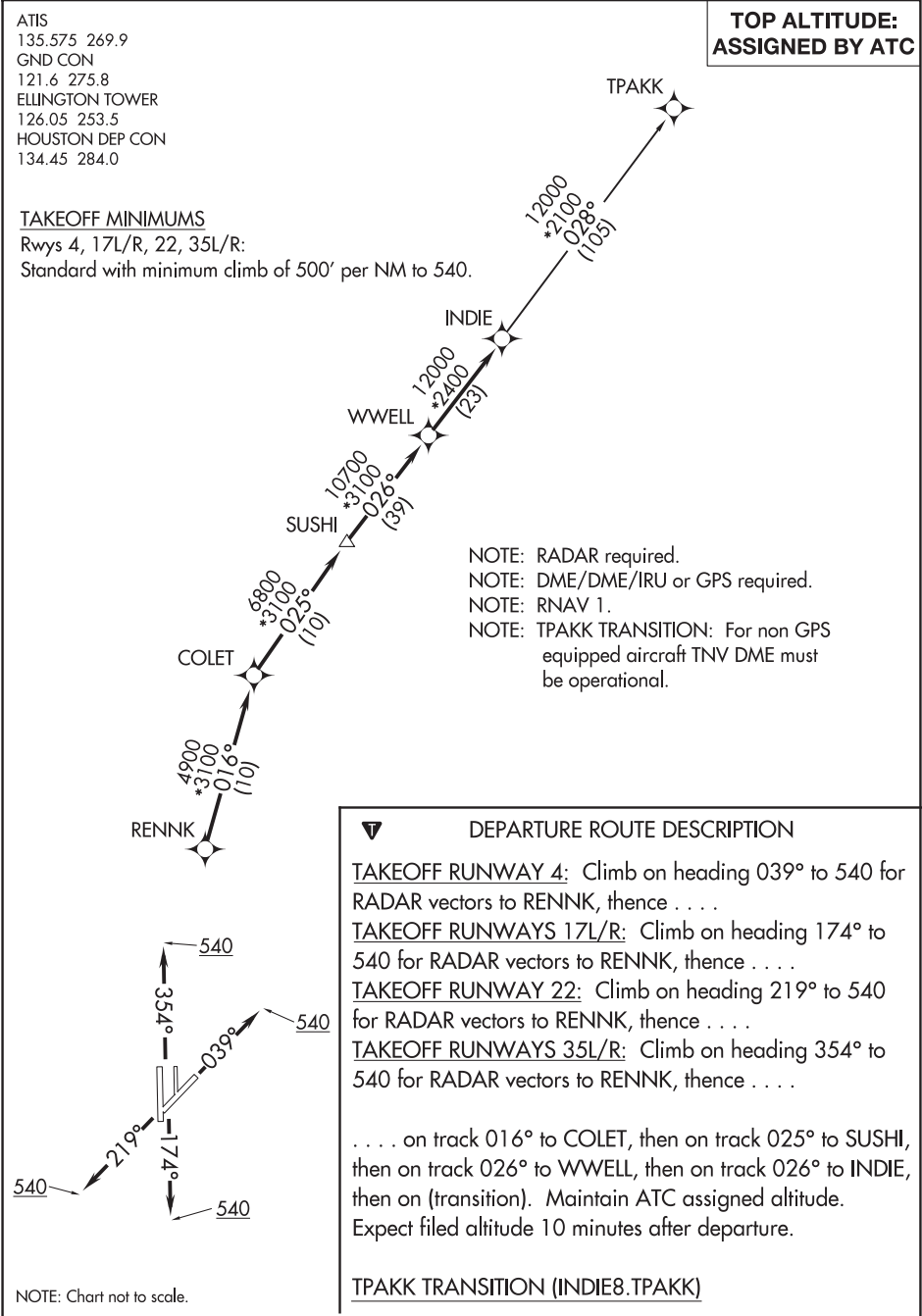
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

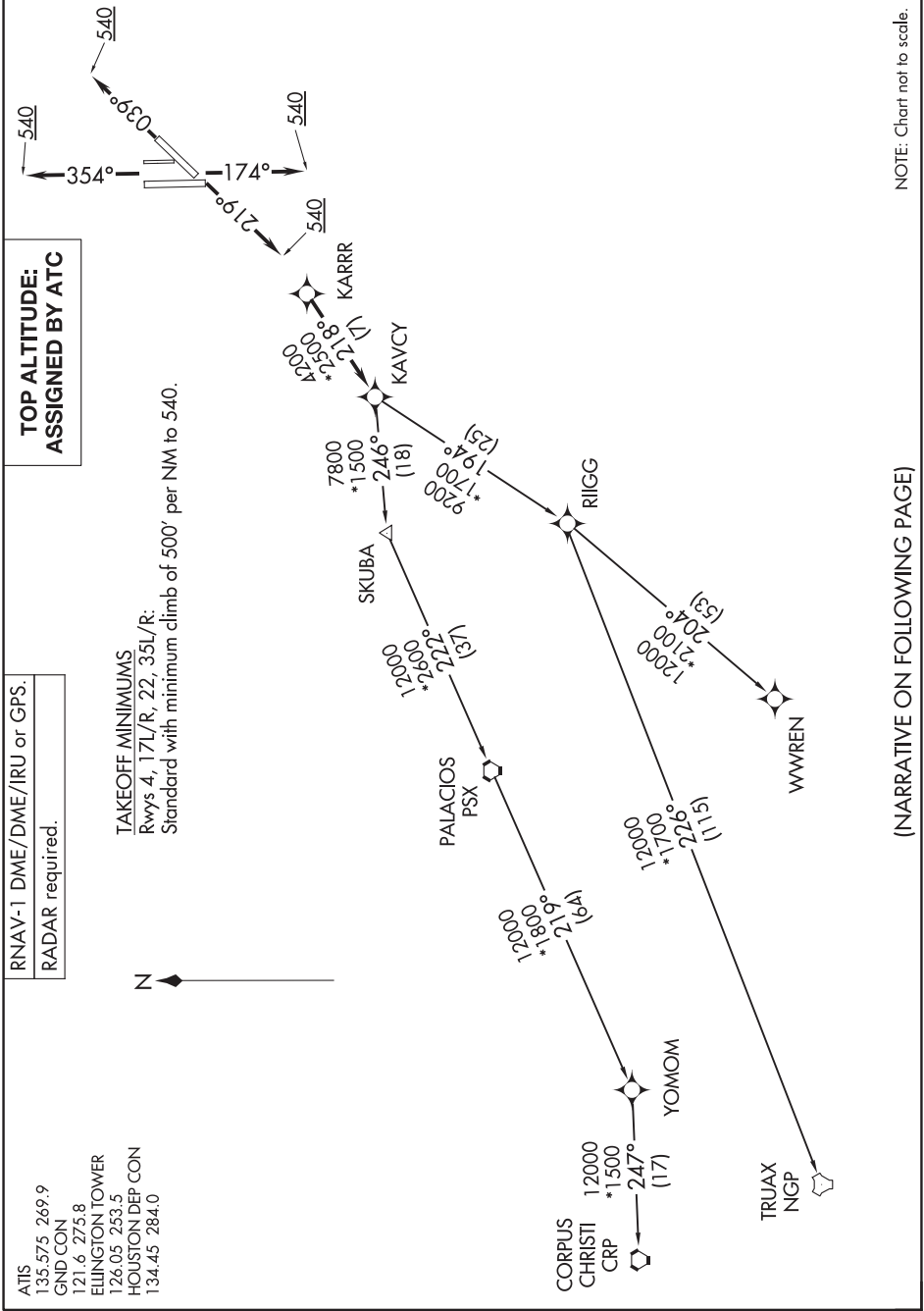
- TAKEOFF RUNWAY 4: Climb on heading 039° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 22: Climb on heading 219° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540, for RADAR vectors to VUH VOR/DME, thence . . . .

. . . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- BOWFN TRANSITION (HOODO7.BOWFN)  
CFOOD TRANSITION (HOODO7.CFOOD)  
HARVEY TRANSITION (HOODO7.HRV)  
LEEVILLE TRANSITION (HOODO7.LEV)  
SBIRD TRANSITION (HOODO7.SBIRD)



SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 039° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 22: Climb on heading 219° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

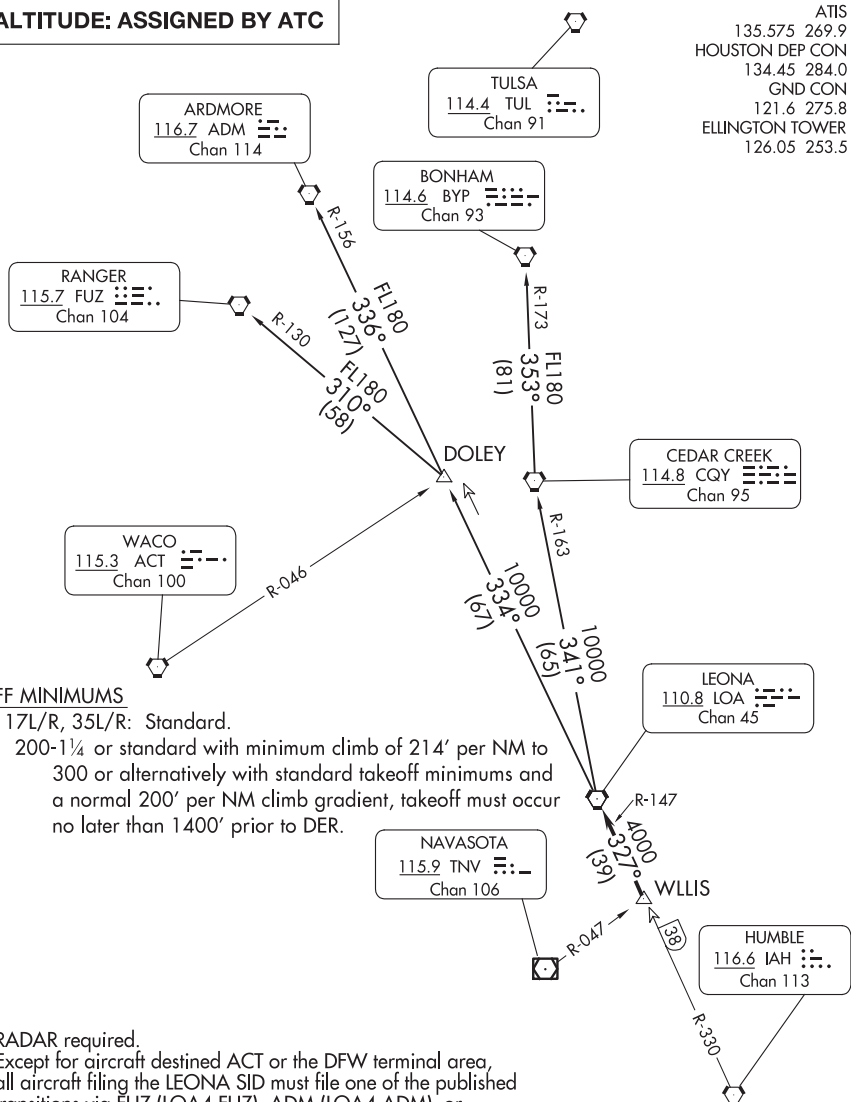
(LOA4.LOA) 24137

## LEONA FOUR DEPARTURE

AL-197 (FAA)

ELLINGTON (EFD)  
HOUSTON, TEXAS

TOP ALTITUDE: ASSIGNED BY ATC



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## LEONA FOUR DEPARTURE

(LOA4.LOA) 07OCT21

HOUSTON, TEXAS  
ELLINGTON (EFD)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to WLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(LFK3.LFK) 24137

AL-197 (FAA)

ELLINGTON (EFD)  
HOUSTON, TEXAS

# LUFKIN THREE DEPARTURE

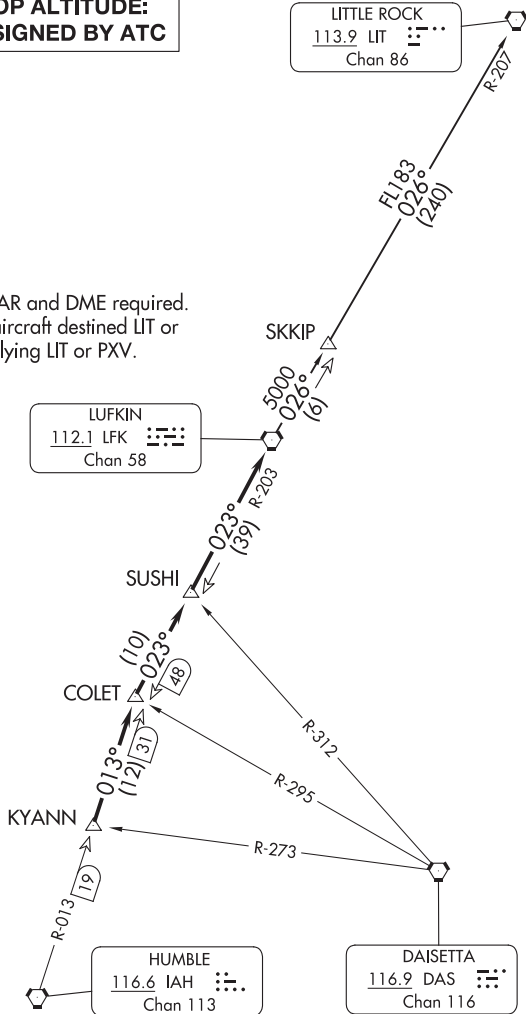
ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58



## TAKEOFF MINIMUMS

Rwys 4, 17L/R, 35L/R: Standard.

Rwy 22: 200-1¼ or standard with minimum climb  
of 214' per NM to 300 or alternatively with  
standard takeoff minimums and a normal  
200' per NM climb gradient, takeoff must  
occur no later than 1400' prior to DER.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

# LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

HOUSTON, TEXAS  
ELLINGTON (EFD)

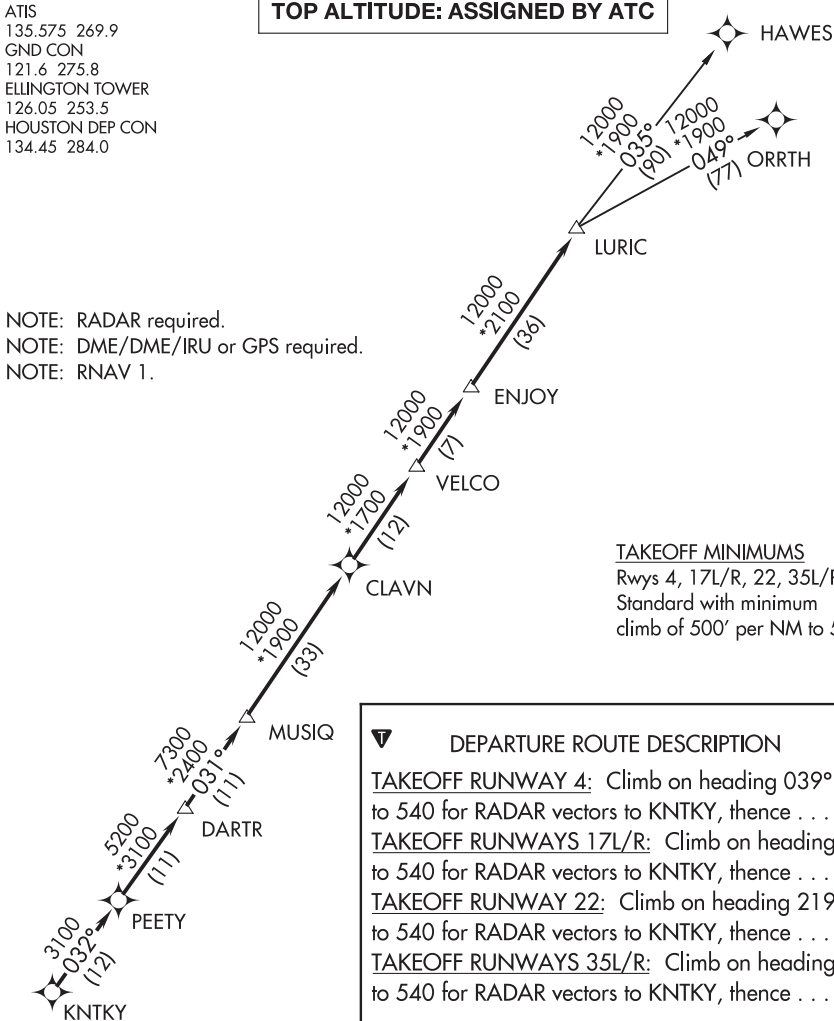


▼	DEPARTURE ROUTE DESCRIPTION
	<p><u>TAKEOFF ALL RUNWAYS:</u> Climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .</p> <p>. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.</p> <p><u>LITTLE ROCK TRANSITION (LFK3.LIT):</u> From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.</p>

ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS  
Rwys 4, 17L/R, 22, 35L/R:  
Standard with minimum  
climb of 500' per NM to 540.

**DEPARTURE ROUTE DESCRIPTION**

TAKEOFF RUNWAY 4: Climb on heading 039° to 540 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 22: Climb on heading 219° to 540 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540 for RADAR vectors to KNTKY, thence . . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

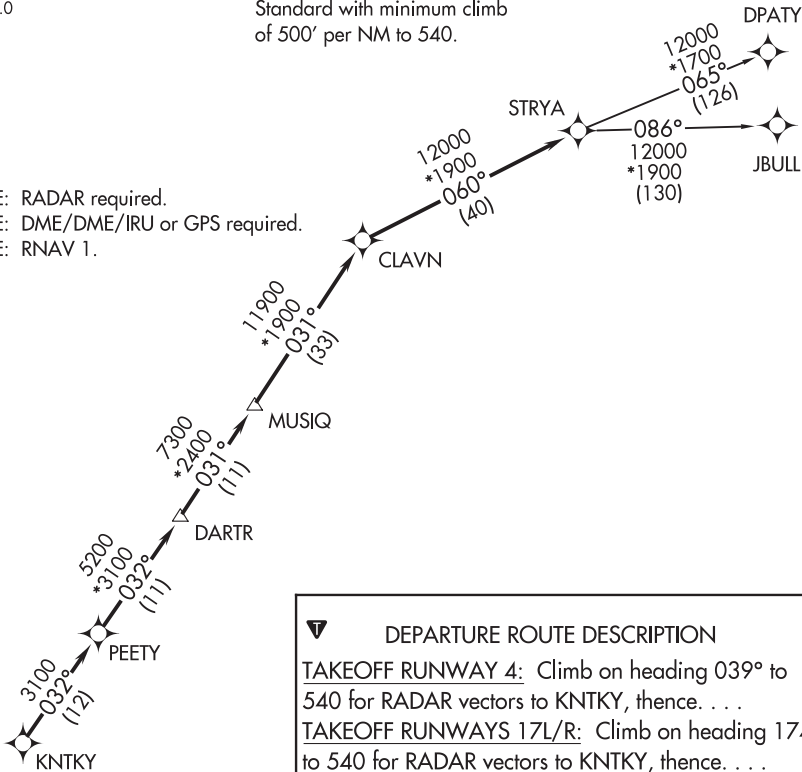


ATIS  
135.575 269.9  
GND CON  
121.6 275.8  
ELLINGTON TOWER  
126.05 253.5  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 4, 17L/R, 22, 35L/R:  
Standard with minimum climb  
of 500' per NM to 540.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 039° to 540 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 22: Climb on heading 219° to 540 for RADAR vectors to KNTKY, thence. . .

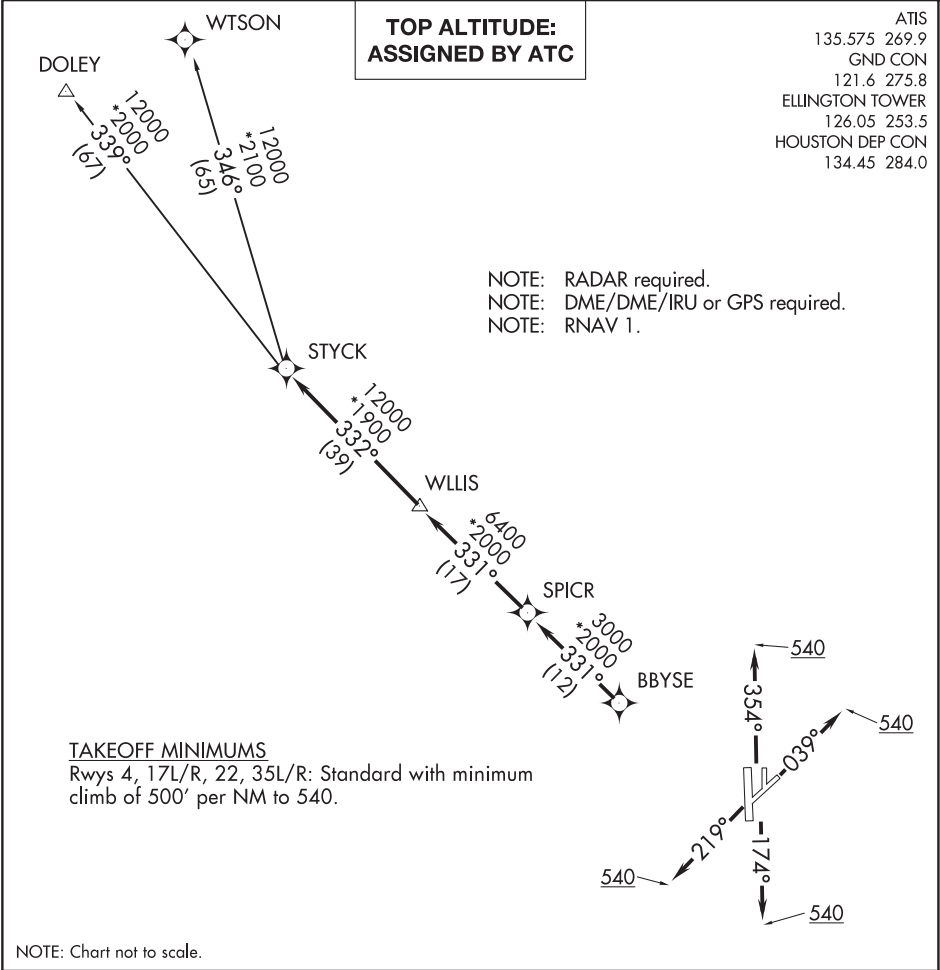
TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)

JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.



▼

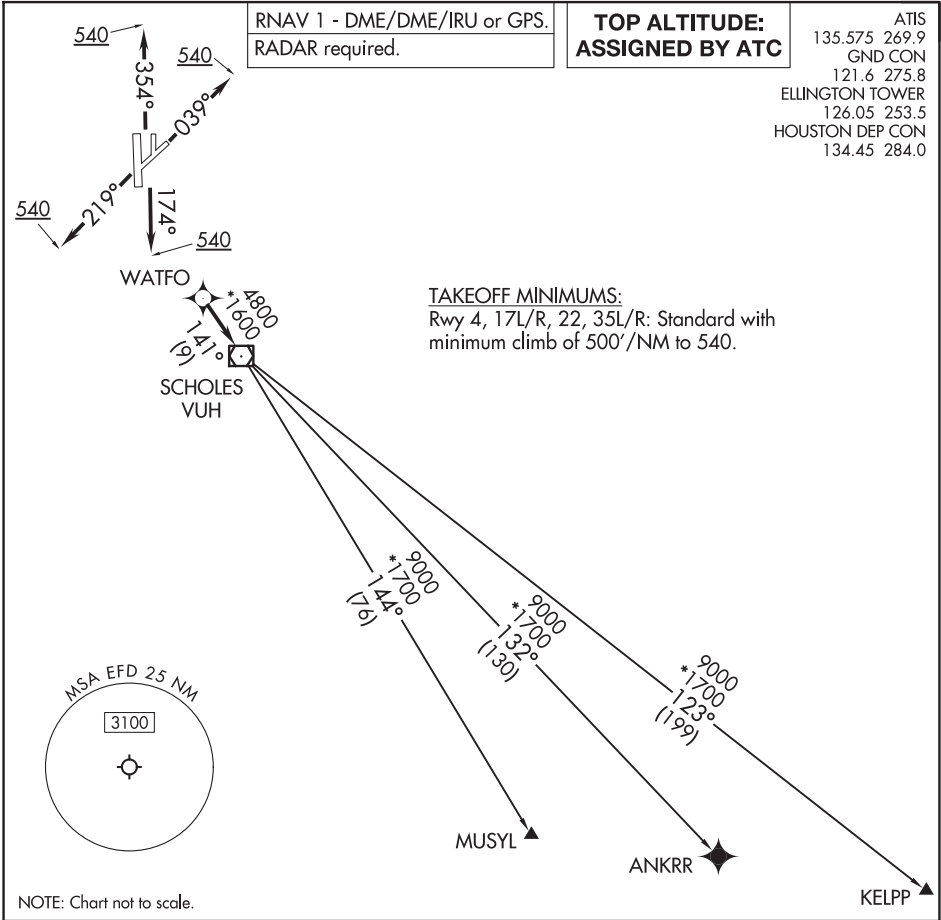
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 039° to 540 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 22: Climb on heading 219° to 540 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540 for RADAR vectors to BBYSE, thence. . .  
. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)

WATFO SIX DEPARTURE (RNAV)

ELLINGTON (EFD)  
HOUSTON, TEXAS



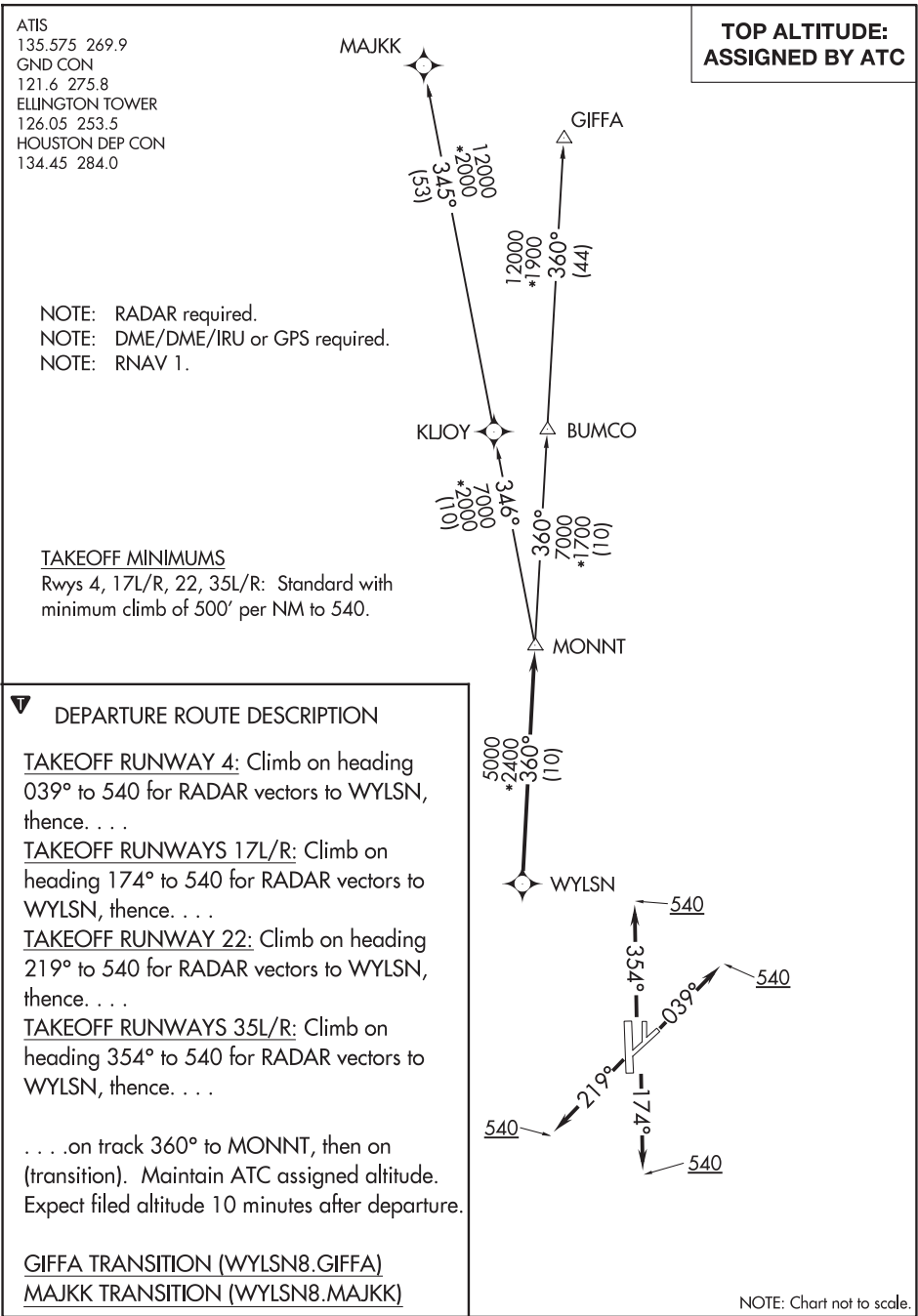
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 039° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAYS 17L/R: Climb on heading 174° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAY 22: Climb on heading 219° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAYS 35L/R: Climb on heading 354° to 540, for RADAR vectors to WATFO, thence. . . .  
. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)  
KELPP TRANSITION (WATFO6.KELPP)  
MUSYL TRANSITION (WATFO6.MUSYL)

WATFO SIX DEPARTURE (RNAV)

HOUSTON, TEXAS  
ELLINGTON (EFD)







24305

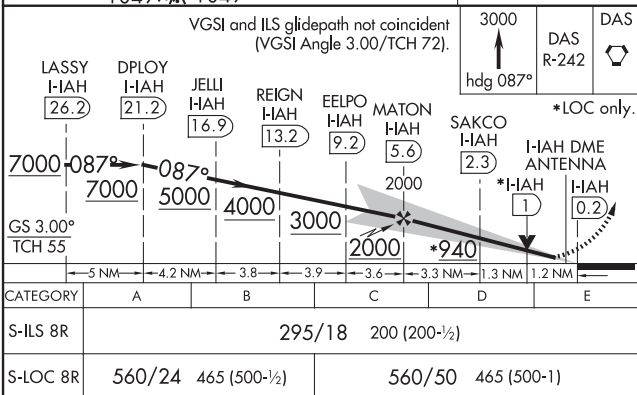
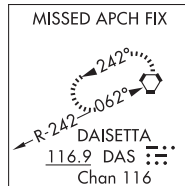
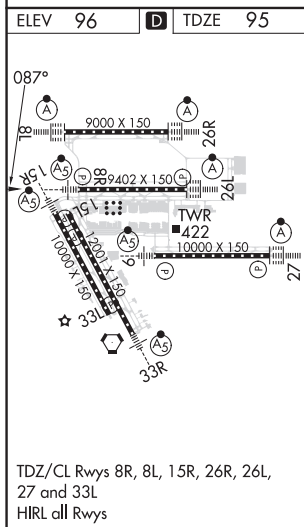
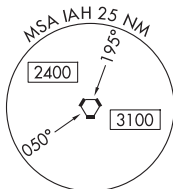
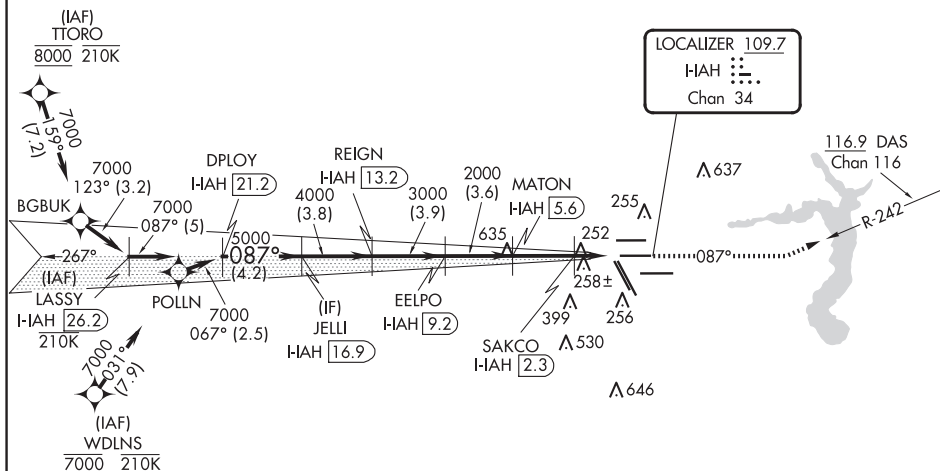
ILS or LOC RWY 8R  
GEORGE BUSH INTCNL/HOUSTON (IAH)

MALSR



**MISSED APPROACH:** Climb to 3000 on heading 087° and on DAS VORTAC R-242 to DAS VORTAC and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC ▲ 2049
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GEORGE BUSH INTCNTL/HOUSTON (IAH)

ILS or LOC RWY 8R

255

SC-5, 07 AUG 2025 to 02 OCT 2025


HOUSTON, TEXAS

AL-5461 (FAA)

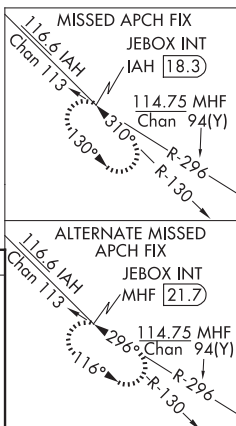
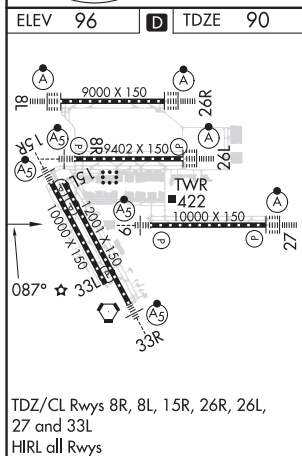
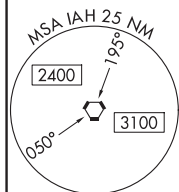
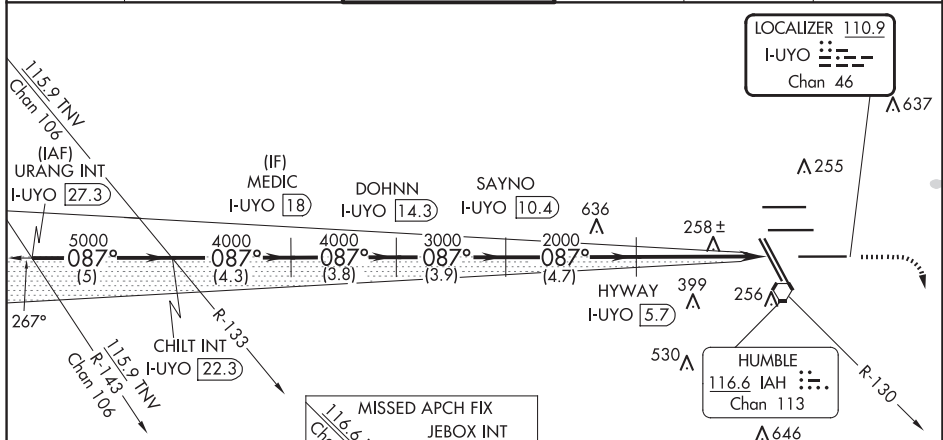
24305

LOC/DME I-UYO <b>110.9</b> Chan <b>46</b>	APP CRS <b>087°</b>	Rwy Idg <b>10000</b> TDZE <b>90</b> Apt Elev <b>96</b>
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**ILS or LOC RWY 9**  
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. RADAR required for procedure entry.	MALSR 	MISSED APPROACH: Climb to 580 then climbing right turn to 3000 on IAH VORTAC R-130 to JEBX/IAH 18.3 DME and hold.
Simultaneous approach authorized with Rwy 8L/R. # RVR 1800 authorized with the use of FD or AP or HUD to DA.		

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>135.15 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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URANG INT I-UYO 27.3	CHILT INT I-UYO 22.3	MEDIC I-UYO 18	DOHNN I-UYO 14.3	SAYNO I-UYO 10.4	HYWAY I-UYO 5.7	JEBX INT I-UYO 0.2
5000	4000	4000	3000	2000	2000	2000
GS 3.00° TCH 50	VGS and ILS glidepath not coincident (VGS Angle 3.00/TCH 71).					
CATEGORY A B C D E						
S-ILS 9# 290/24 200 (200-1/2)						
S-LOC 9 580/24 490 (500-1/2) 580/50 490 (500-1)						

HOUSTON, TEXAS

Amdt 10B 25APR19

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

**ILS or LOC RWY 9**

SC-5, 07 AUG 2025 to 02 OCT 2025

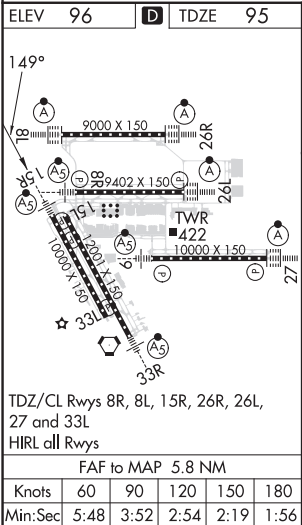
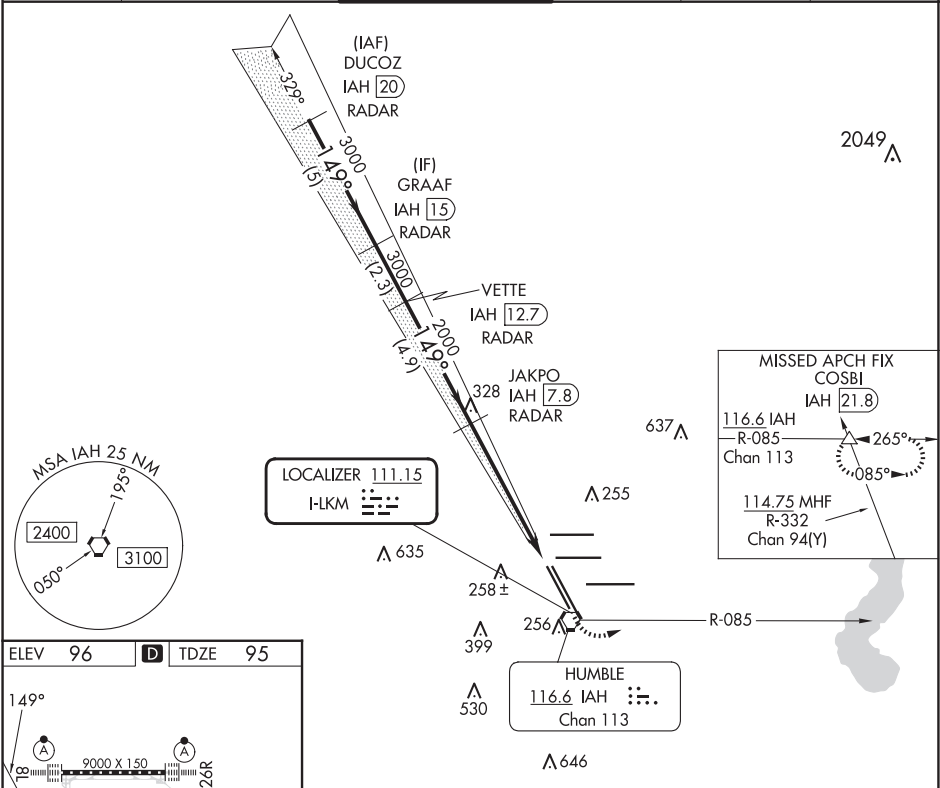
SC-5, 07 AUG 2025 to 02 OCT 2025

LOC I-LKM	APP CRS	Rwy Idg
<b>111.15</b>	<b>149°</b>	<b>10000</b>
		TDZE
		<b>95</b>
		Apt Elev
		<b>96</b>

ILS or LOC RWY 15R  
GEORGE BUSH INTCNL/HOUSTON (IAH)

RADAR required for procedure entry. DME or RADAR required.		MALSR	MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 on IAH VORTAC R-085 to COSBI INT/IAH 21.8 DME and hold.
DME from IAH VORTAC. Simultaneous reception of I-LKM and IAH DME required. For inop ALS, increase S-ILS 15R Cat E visibility to RVR 4000, and S-LOC 15R Cat C/D/E visibility to 1 3/8 SM.			

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>127.3 288.25</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 71).		1000	2000	COSBI
		↑	IAH R-085	△
		* LOC only.		
DUCOZ IAH 20 RADAR		GRAAF IAH 15 RADAR	VETTE IAH 12.7 RADAR	JAKPO IAH 7.8 RADAR
3000		3000	3000	2000
GS 3.00°		149°	149°	2000
TCH 54		5 NM	2.3 NM	4.9 NM
CATEGORY		A	B	C
S-ILS 15R		295/18 200 (200-1/2)		
S-LOC 15R		580/24	485 (500-1/2)	580/50 485 (500-1)

HOUSTON, TEXAS

AL-5461 (FAA)

24305

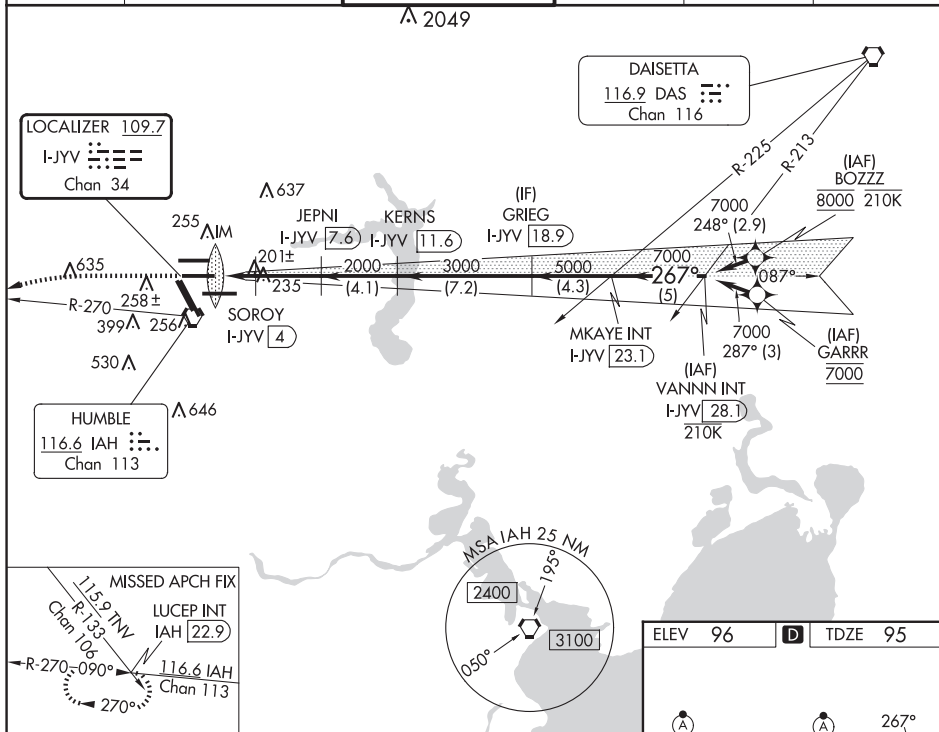
LOC/DME I-JYV <b>109.7</b> Chan <b>34</b>	APP CRS <b>267°</b>	Rwy Idg TDZE <b>95</b> Apt Elev <b>96</b>
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# ILS or LOC RWY 26L

## GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. From BOZZZ, GARRR: RNAV 1-GPS required.	ALSIF-2 	MISSED APPROACH: Climb to 3000 then left turn heading 240° and IAH VORTAC R-270 to LUCEP INT/IAH 22.9 DME and hold.
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D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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3000 ↑	hdg 240°	IAH R-270	LUCEP INT	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 71).				
*LOC only						GRIEG I-JYV 18.9	MKAYE INT I-JYV 23.1	VANNN INT I-JYV 28.1
I-JYV 1.7	*I-JYV 2.7	SOROY I-JYV 4	JEPNI I-JYV 7.6	KERN I-JYV 11.6				
2000				267° 7000				
*880				2000				
0.1 0.8 NM 1.4 NM 3.5 NM 4.1 NM 7.2 NM 4.3 NM 5 NM				GS 3.00° TCH 56				
CATEGORY		A	B	C	D	E		
S-ILS 26L		295/18 200 (200-½)						
S-LOC 26L		460/24	365 (400-½)	460/35		365 (400-¾)		

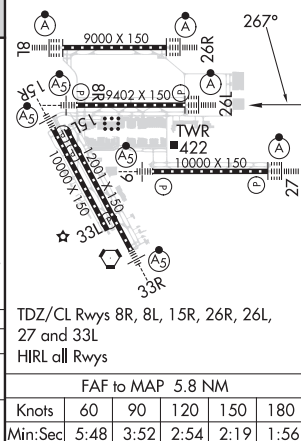
Diagram of runway 26L showing taxiway layout, lights, and dimensions. Runway length is 10000 x 150. Taxiway dimensions include 9000 x 150, 402 x 150, and 10000 x 150. Lights include TWIR 422, 33L, 33R, and 27. Dimensions 1000 x 150 and 1200 x 150 are also shown.

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L

HIRL all Rwy's

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56



HOUSTON, TEXAS

Amdt 21D 25APR19


GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

ILS or LOC RWY 26L

ILS or LOC RWY 26R  
GEORGE BUSH INTCNL/HOUSTON (IAH)

ALSE.2

ALSF-2  
 MISSED APPROACH: Climb to 600 then climbing right turn to 3000 on IAH VORTAC R-344 to PEPBI INT/IAH 20 DME and hold.

HOUSTON, TEXAS  
Amdt 4B 25APR19

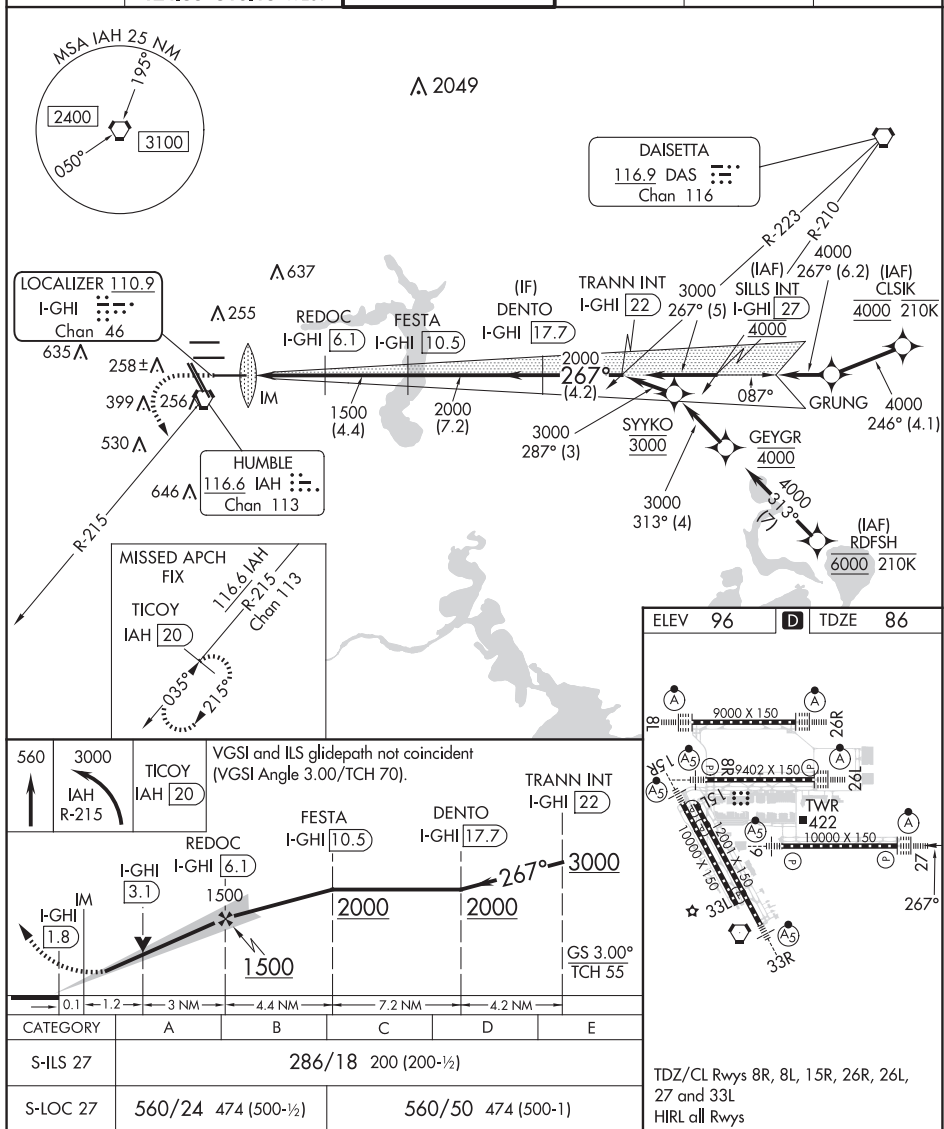
GEORGE BUSH INTCNTL/HOUSTON (IAH)  
ILS or LOC RWY 26R

ILS or LOC RWY 27  
GEORGE BUSH INTCNL/HOUSTON (IAH)

**MISSED APPROACH:** Climb to 560 then climbing left turn to 3000 on IAH VORTAC R-215 to TICOY/IAH 20 DME and hold.



D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	135.15 290.2	118.575	128.1	



GEORGE BUSH INTENT / HOUSTON (T A H)

29°59'N-95°20'W

ILS or LOC RWY 27

SC-5, 07 AUG 2025 to 02 OCT 2025

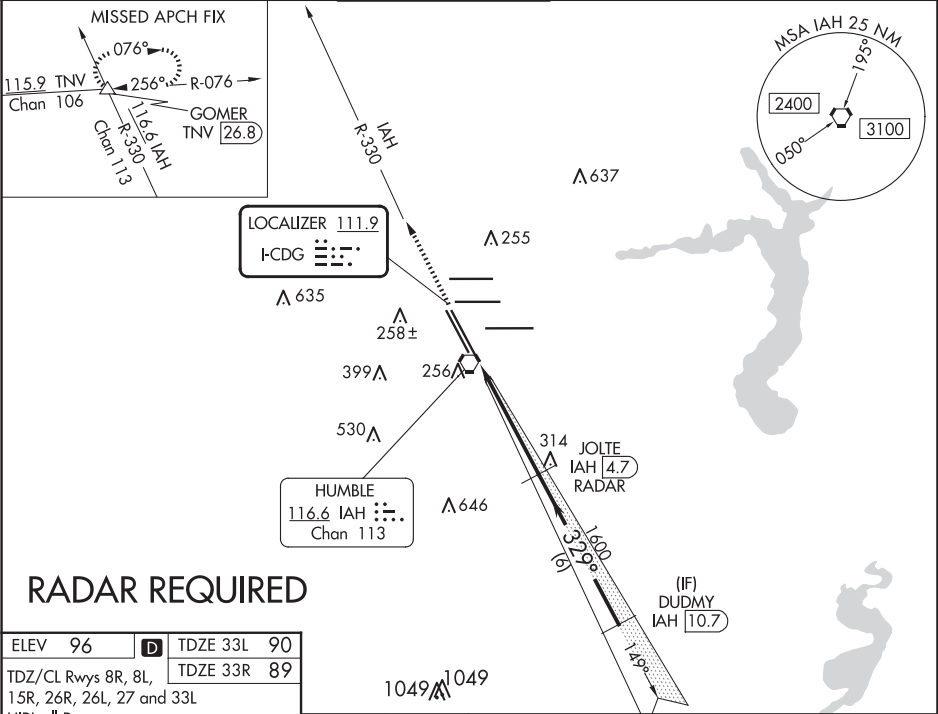
LOC I-CDG <b>111.9</b>	APP CRS <b>329°</b>	Rwy 33R Idg <b>12001</b>	Rwy 33L Idg <b>10000</b>
		TDZE <b>89</b>	TDZE <b>90</b>
		Apt Elev <b>96</b>	Apt Elev <b>96</b>

ILS or LOC RWY 33R

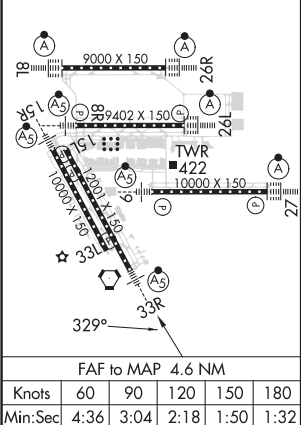
GEORGE BUSH INTCNL/HOUSTON (IAH)

<div><div>▼</div><div>DME from IAH VORTAC. Simultaneous reception of I-CDG and IAH DME Required. For inop MALSR, increase S-ILS 33R Cat E visibility to RVR 4000 and S-LOC 33R Cat E visibility to 1½ mile. DME or RADAR Required. #RVR 1800 authorized with the use of FD or AP or HUD to DA.</div></div>	<div><div>MALSR</div><div></div></div> <div>MISSED APPROACH: Climb to 2000 on IAH VORTAC R-330 to GOMER INT/TNV 26.8 DME and hold.</div>
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D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>127.3 288.25</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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ELEV 96	<b>D</b>	TDZE 33L 90
TDZ/CL Rws 8R, 8L, 15R, 26R, 26L, 27 and 33L		TDZE 33R 89
HIRL all Rws		



CATEGORY	A B C D E				
	# 289/24 200 (200-½)				
S-ILS 33R	# 289/24 200 (200-½)				
S-LOC 33R	540/24 451 (500-½)	540/45 451 (500-¾)			
SIDESTEP Rwy 33L	540-1 450 (500-1)	540-1½ 450 (500-1½)	540-2 450 (500-2)	NA	

ILS RWY 8L (SA CAT I)  
GEORGE BUSH INTCNL/HOUSTON (IAH)

MISSED APPROACH: Climb to 600 then climbing left turn to 4000 on IAH VORTAC R-019 to CLEET INT/IAH 22.1 DME and hold.



SA CATEGORY I ILS - SPECIAL AIRCREW  
& AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L,  
27 and 33L  
HIRL all Rwy's

SC-5, 07 AUG 2025 to 02 OCT 2025

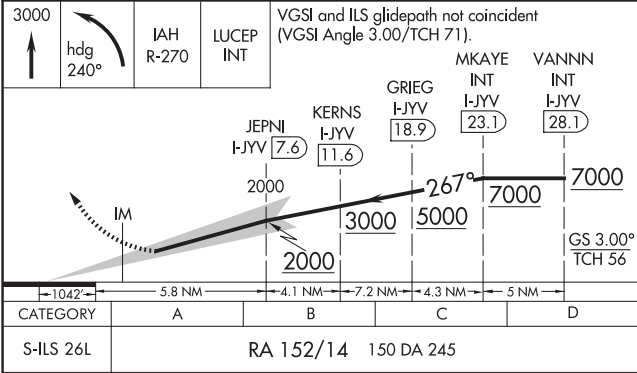
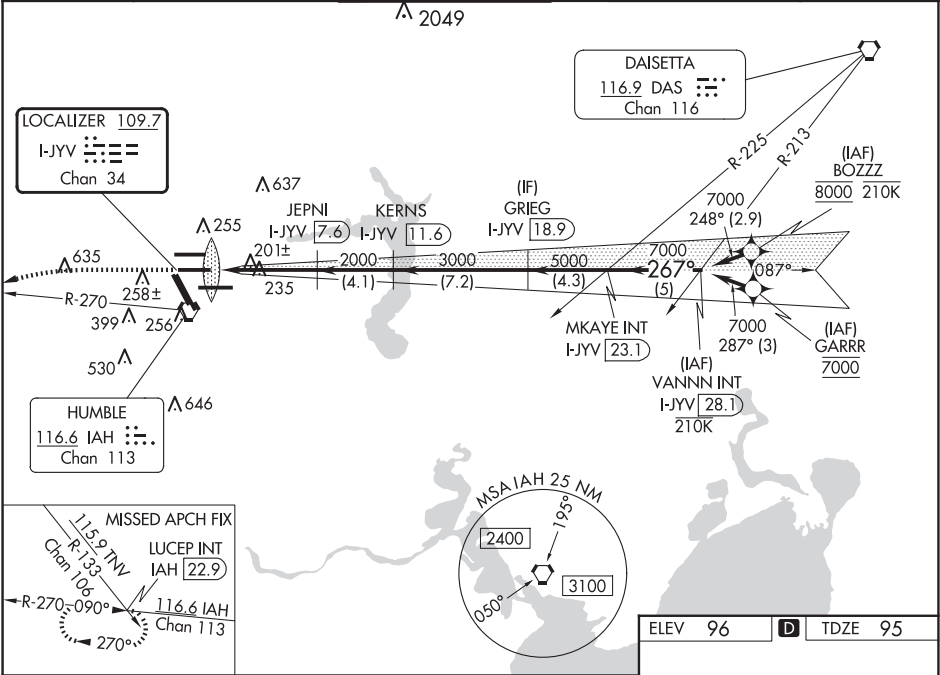


LOC/DME I-JYV	APP CRS	Rwy Idg	9402
109.7	267°	TDZE	95
Chan 34		Apt Elev	96

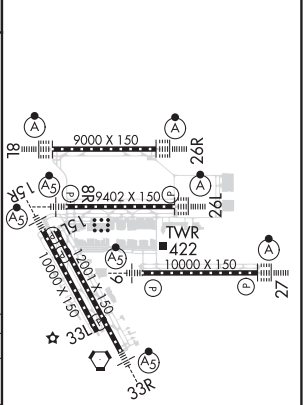
ILS RWY 26L (SA CAT I)

GEORGE BUSH INTCNLT/HOUSTON (IAH)

DME required. From BOZZZ, GARRR: RNAV 1-GPS required.			ALSF-2	MISSED APPROACH: Climb to 3000 then left turn heading 240° and IAH VORTAC R-270 to LUCEP INT/IAH 22.9 DME and hold.	
<div><div></div> Simultaneous approach authorized with Rwy 26R and Rwy 27. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.</div>			<div><div></div></div>		
D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	125.35 290.2	118.575	128.1	



ELEV 96	D	TDZE 95
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SA CATEGORY I ILS - SPECIAL AIRCREW  
& AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L,  
27 and 33L  
HIRL all Rwy's

HOUSTON, TEXAS

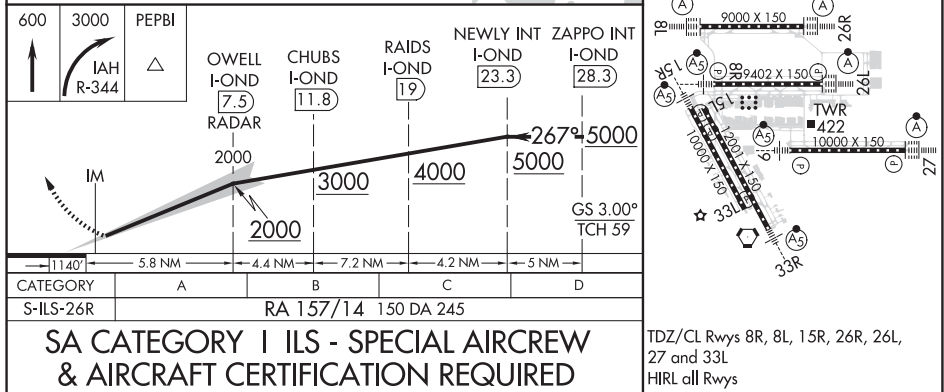
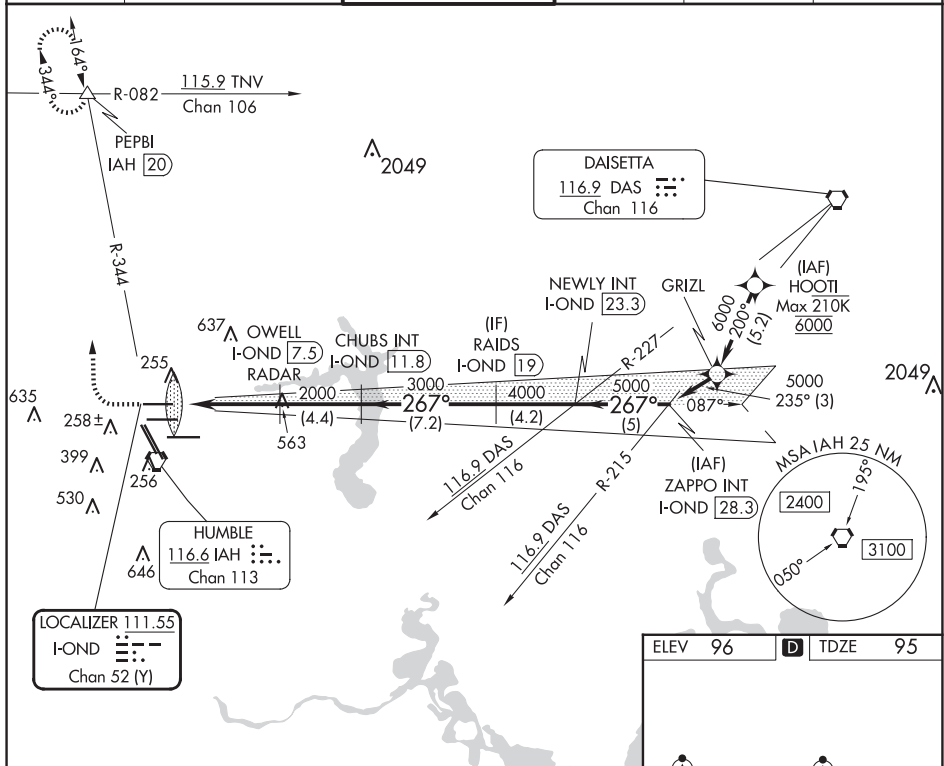
AL-5461 (FAA)

24305

LOC/DME I-OND <b>111.55</b> Chan <b>52 (Y)</b>	APP CRS <b>267°</b>	Rwy Idg <b>9000</b> TDZE <b>95</b> Apt Elev <b>96</b>	<b>ILS RWY 26R (SA CAT I)</b> GEORGE BUSH INTCNL/HOUSTON (IAH)
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DME required. From HOOI: RNAV 1-GPS required.	ALSF-2 	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 on IAH VORTAC R-344 to PEPBI INT/IAH 20 DME and hold.
Simultaneous approach authorized with Rwy 26L and Rwy 27. Requires specific OPSPEC, MSPEC or LOA approval and use of HUD to DH.		

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>120.725 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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HOUSTON, TEXAS

Amdt 4B 25APR19

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

ILS RWY 26R (SA CAT I)

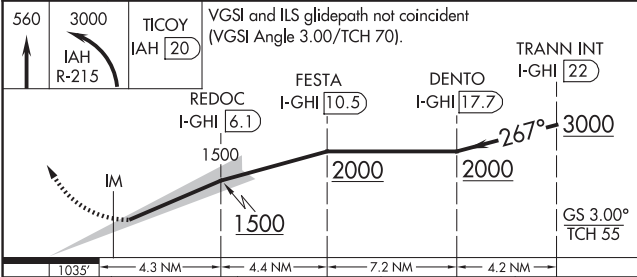
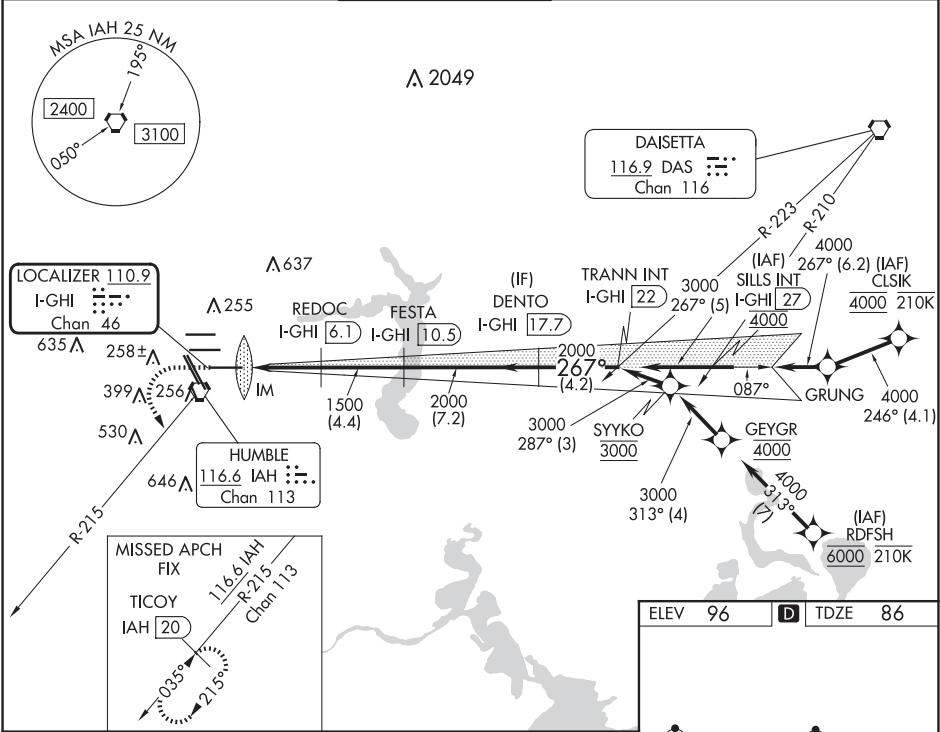
SC-5, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-GHI	APP CRS	Rwy Idg	10000
110.9	267°	TDZE	86
Chan 46		Apt Elev	96

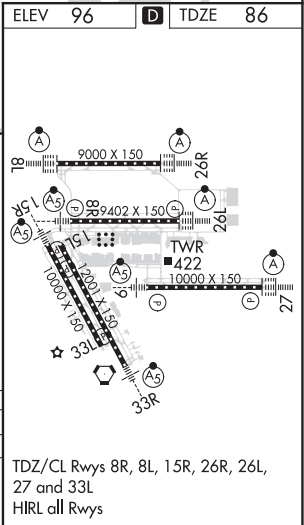
ILS RWY 27 (SA CAT I)  
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNAV 1-GPS or RADAR required for procedure entry. DME required.	ALSF-2	MISSED APPROACH: Climb to 560 then climbing left turn to 3000 on IAH VORTAC R-215 to TICOY/IAH 20 DME and hold.
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.		

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	135.15 290.2	118.575	128.1	



CATEGORY	A	B	C	D
S-ILS 27	RA 157/14 150 DA 236			
SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED				



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS



AL-5461 (FAA)

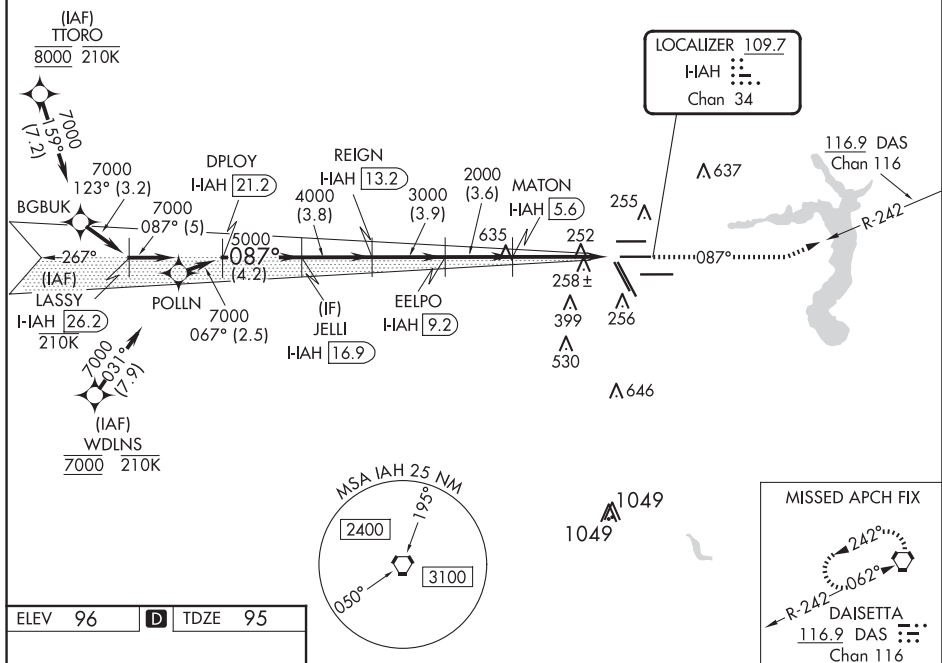
24305

LOC/DME I-IAH <b>109.7</b> Chan <b>34</b>	APP CRS <b>087°</b>	Rwy Idg <b>9402</b> TDZE <b>95</b> Apt Elev <b>96</b>
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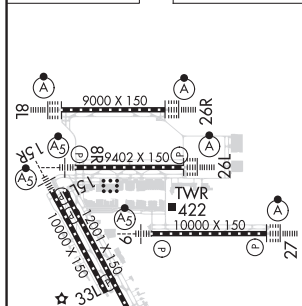
# ILS RWY 8R (SA CAT I & II)

## GEORGE BUSH INTCNL/HOUSTON (IAH)

RNAV 1-GPS or RADAR required for procedure entry, DME.			MALSR 	MISSED APPROACH: Climb to 3000 on heading 087° and on DAS VORTAC R-242 to DAS VORTAC and hold.	
	Simultaneous approach authorized. SA CAT I: Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH. SA CAT II: Reduced lighting: requires specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.				
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC ▲ 2049



ELEV 96	<b>D</b>	TDZE 95
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TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L

HIRL all Rwy

VGS and ILS glidepath not coincident (VGS Angle 3.00/TCH 72).				3000	DAS
LASSY I-IAH 26.2	DPLOY I-IAH 21.2	JELLI I-IAH 16.9	REIGN I-IAH 13.2	EELPO I-IAH 9.2	MATON INT I-IAH 5.6
7000 087°	7000 087°	5000	4000	3000	2000
GS 3.00°	TCH 55				
-5 NM -4.2 NM -3.8 -3.9 -3.6 -5.8 NM 1040°					
CATEGORY	A	B	C	D	
S-ILS 8R	SA CAT I RA 152/14		150 DA 245		
S-ILS 8R	SA CAT II RA 102/12		100 DA 195		

### SA CATEGORY I and II ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HOUSTON, TEXAS

Amdt 26A 10OCT19

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

ILS RWY 8R (SA CAT I &amp; II)

SC-5, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-UYO <b>110.9</b> Chan <b>46</b>	APP CRS <b>087°</b>	Rwy Idg <b>10000</b> TDZE <b>90</b> Apt Elev <b>96</b>
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ILS RWY 9 (SA CAT I & II)  
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. RADAR required for procedure entry.

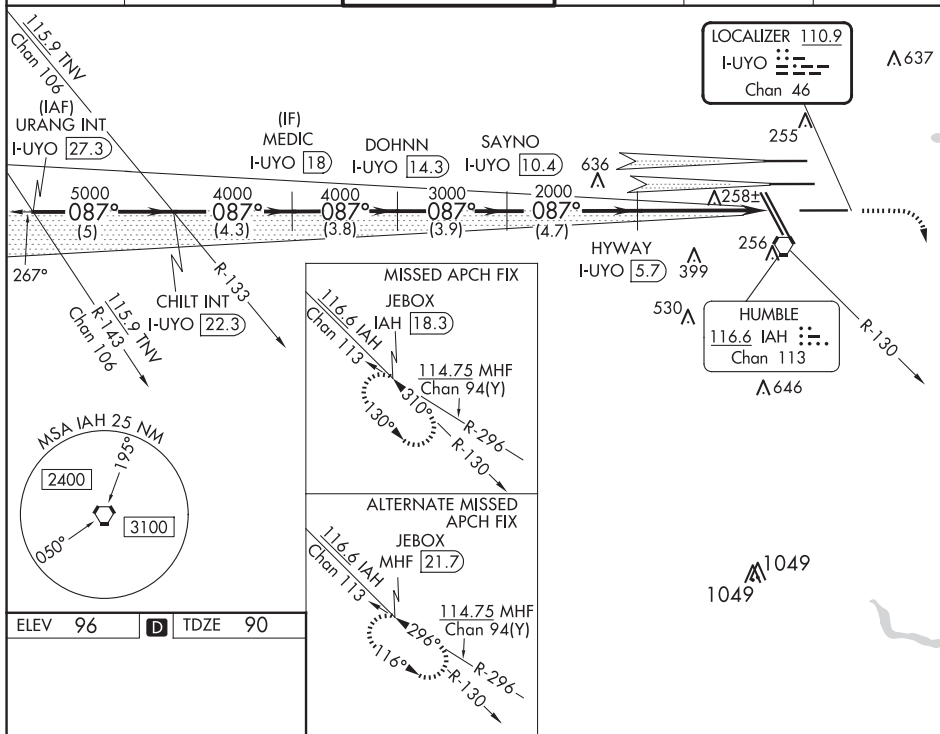
▼ Simultaneous approach authorized with Rwy 8L/R. SA CAT I: Requires specific OPSPEC, MSPEC, or LOA approval and use of AUTOLAND or HUD to touchdown. SA CAT II: Reduced lighting: requires specific OPSPEC, MSPEC, or LOA approval and use of AUTOLAND or HUD to touchdown.

MALSR



**MISSED APPROACH:** Climb to 580 then climbing right turn to 3000 on IAH VORTAC R-130 to JEBX/IAH 18.3 DME and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>135.15 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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URANG INT CHILT INT  
I-UYO 27.3 I-UYO 22.3

MEDIC DOHNN  
I-UYO 18 I-UYO 14.3

SAYNO  
I-UYO 10.4

HYWAY  
I-UYO 5.7

580 3000  
IAH  
R-130

JEBX

5000 5000 087° 4000 4000 3000 2000 2000

GS 3.00° TCH 50° VGSi and ILS glidepath not coincident (VGSi Angle 3.00/TCH 71°)

5 NM 4.3 NM 3.8 NM 3.9 NM 4.7 NM 5.8 NM 10.65 NM

CATEGORY	A	B	C	D
S-ILS 9	SA CAT I RA 148/14	150	DA 240	
S-ILS 9	SA CAT II RA 98/12	100	DA 190	

SA CATEGORY I and II ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HOUSTON, TEXAS  
Amdt 10B 25APR19

GEORGE BUSH INTCONTI/HOUSTON (T A H)

29°59'N-95°20'W

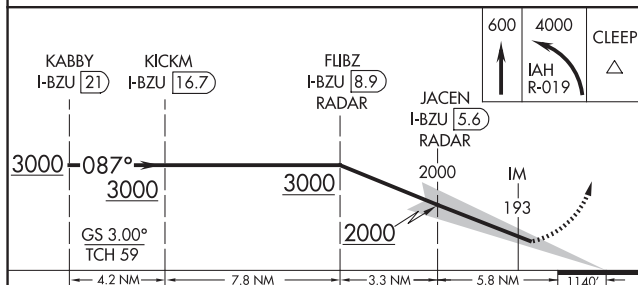
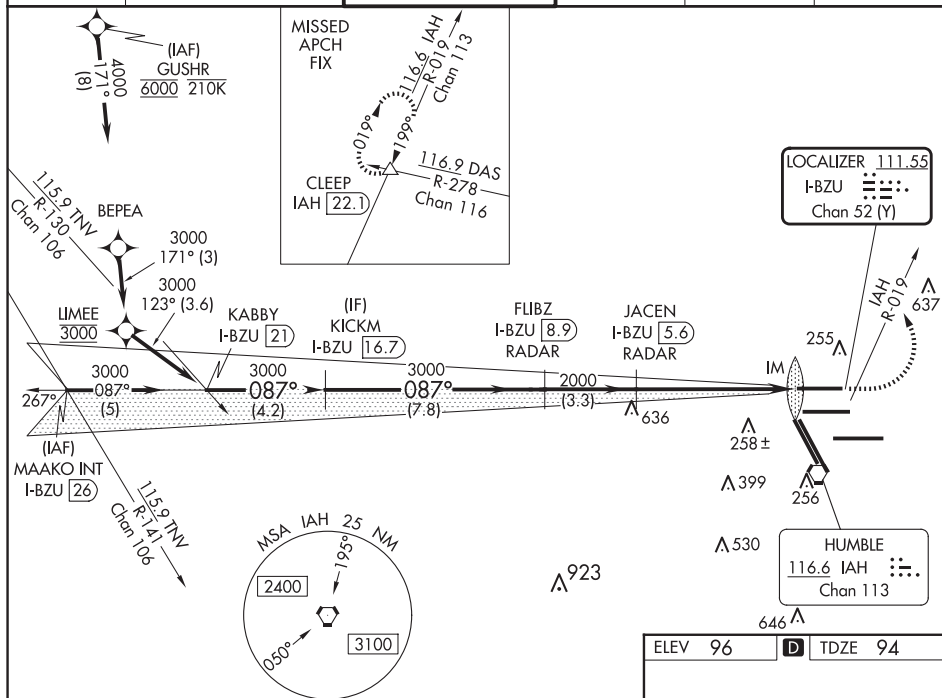
ILS RWY 9 (SA CAT I & II)

**ILS RWY 8L (CAT II & III)**  
GEORGE BUSH INTCNTL/HOUSTON (IAH)

**MISSED APPROACH:** Climb to 600 then climbing left turn to 4000 on IAH VORTAC R-019 to CLEET INT/IAH 22.1 DME and hold.

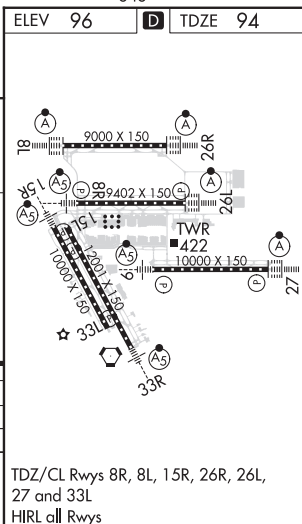


CPDLC



CATEGORY	A	B	C	D
S-ILS 8L	CAT II RA 108/12 100 DA 194			
S-ILS 8L	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW  
& AIRCRAFT CERTIFICATION REQUIRED



GEORGE BUSH INTCNTL/HOUSTON (IAH)

29°59'N-95°20'W

ILS RWY 8L (CAT II &amp; III)

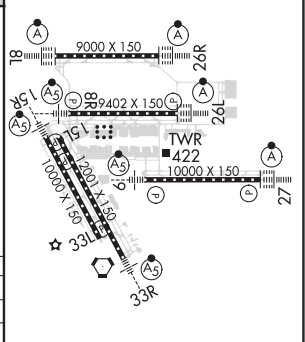
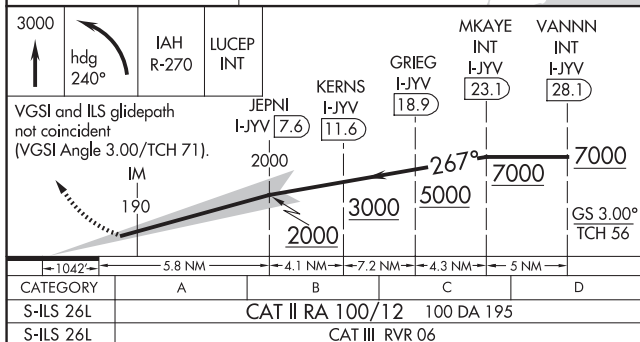
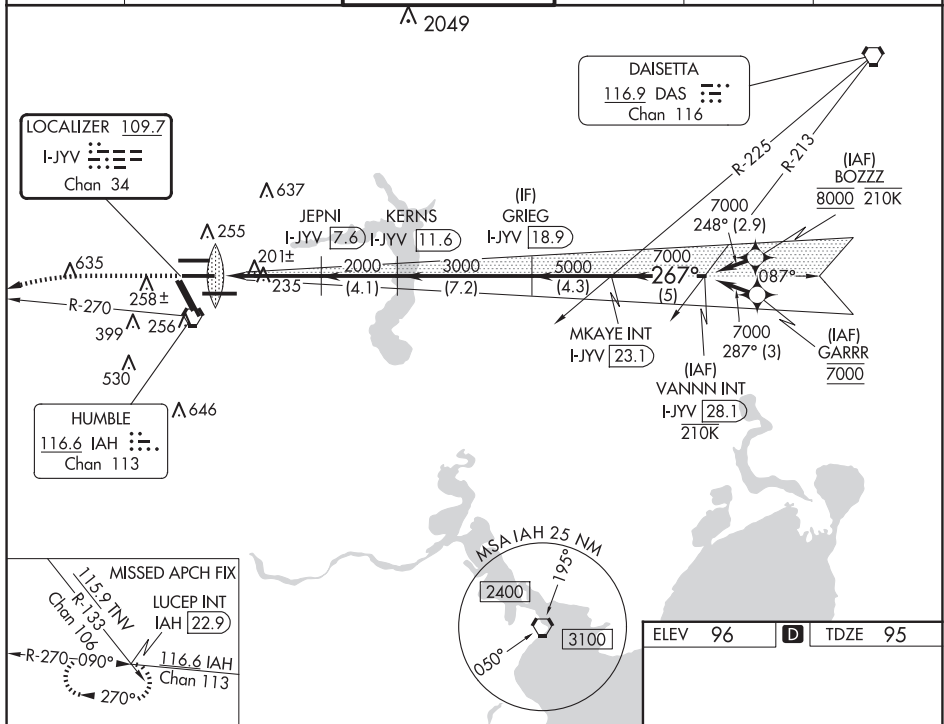
SC-5, 07 AUG 2025 to 02 OCT 2025

ILS RWY 26L (CAT II & III)  
GEORGE BUSH INTCNL/HOUSTON (IAH)

**MISSED APPROACH:** Climb to 3000 then left turn heading 240° and IAH VORTAC R-270 to LUCEP INT/IAH 22.9 DME and hold.

**T** Simultaneous approach authorized with Rwy 26R and Rwy 27.  
Cat II: RVR 1000 authorized with specific OPSPEC, MSPEC, or  
LOA approval and use of autoland or HUD to touchdown.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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CATEGORY II & III ILS - SPECIAL AIRCREW  
& AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L,  
27 and 33L  
HRL qll Rwy's

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-5461 (FAA)

24305

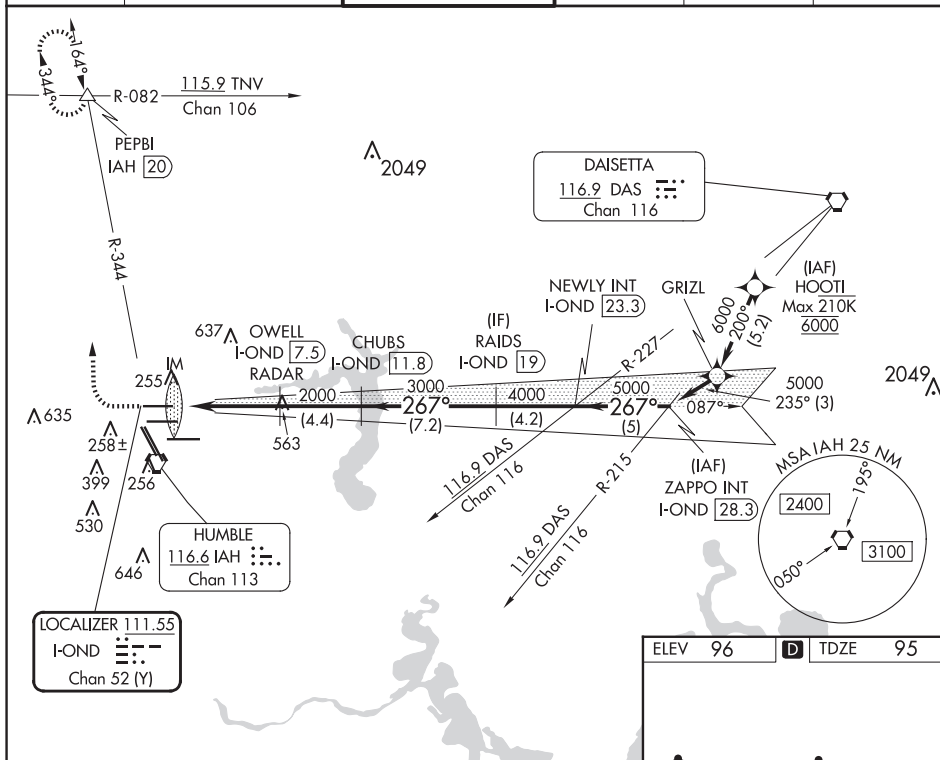
LOC/DME I-OND <b>111.55</b> Chan <b>52 (Y)</b>	APP CRS <b>267°</b>	Rwy Idg <b>9000</b> TDZE <b>95</b> Apt Elev <b>96</b>
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# ILS RWY 26R (CAT II & III)

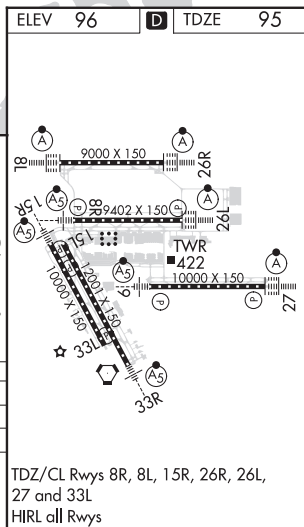
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. From HOOIT: RNAV 1-GPS required.	ALSF-2 	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 on IAH VORTAC R-344 to PEPBI INT/IAH 20 DME and hold.
Simultaneous approach authorized with Rwy 26L and Rwy 27. Cat II: RVR 1000 authorized with specific OPSPEC, MSPEC or LOA approval and use of autoland or HUD to touchdown.		

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>120.725 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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600	3000	PEPBI	OWELL I-OND 7.5 RADAR	CHUBS I-OND 11.8	RAIDS I-OND 19	NEWLY INT I-OND 23.3	ZAPPO INT I-OND 28.3
↑	IAH R-344	△					
CATEGORY	CAT II RA 99/12 100 DA 195						
S-ILS-26R	CAT III RVR 06						
CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED							



HOUSTON, TEXAS  
Amdt 4B 25APR19

29°59'N-95°20'W

GEORGE BUSH INTCNL/HOUSTON (IAH)  
ILS RWY 26R (CAT II & III)

SC-5, 07 AUG 2025 to 02 OCT 2025



SC-5, 07 AUG 2025 to 02 OCT 2025

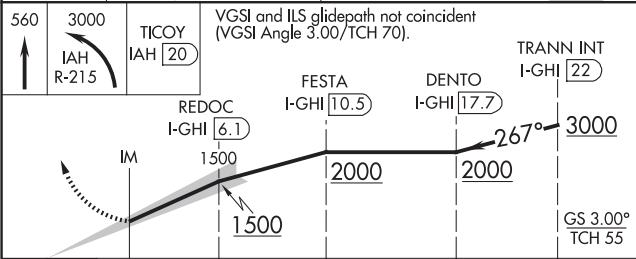
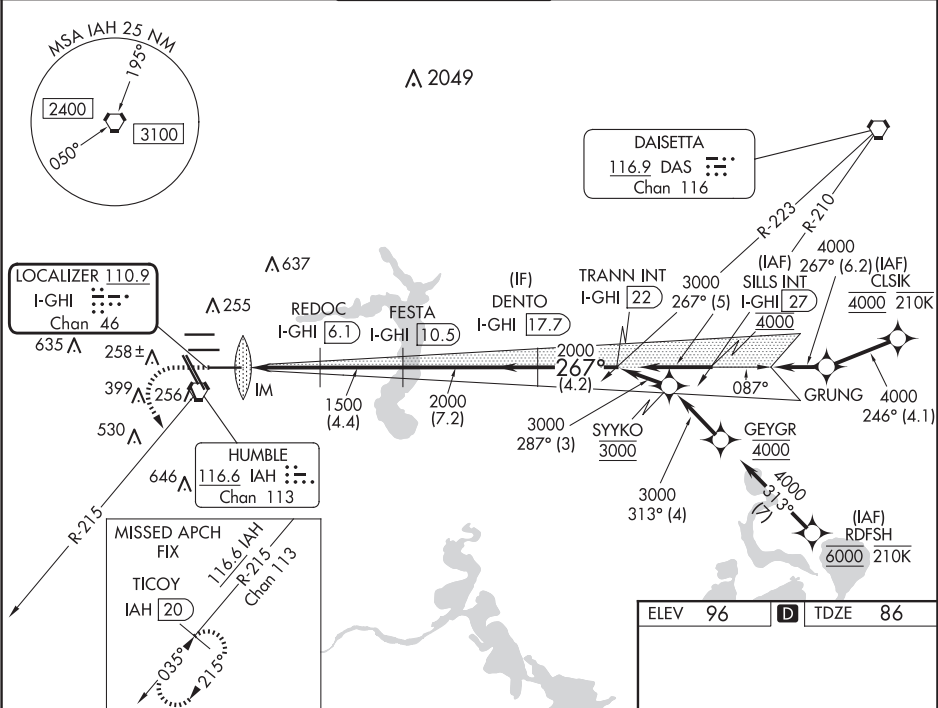


LOC/DME I-GHI	APP CRS	Rwy Idg	10000
110.9	267°	TDZE	86
Chan 46		Apt Elev	96

ILS RWY 27 (CAT II & III)

GEORGE BUSH INTCNL/HOUSTON (IAH)

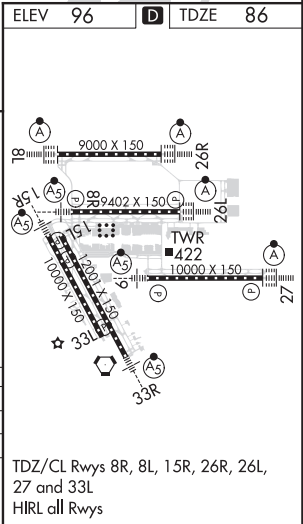
RNAV 1-GPS or RADAR required for procedure entry. DME required.			ALSIF-2 	MISSED APPROACH: Climb to 560 then climbing left turn to 3000 on IAH VORTAC R-215 to TICOY/IAH 20 DME and hold.		
 Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Cat II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.						
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC	



CATEGORY	A	B	C	D
S-ILS 27	CAT II RA 101/12 100 DA 186			
S-ILS 27	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW

& AIRCRAFT CERTIFICATION REQUIRED



HOUSTON, TEXAS

AL-5461 (FAA)

24305

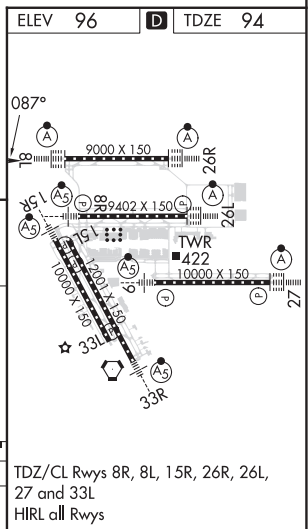
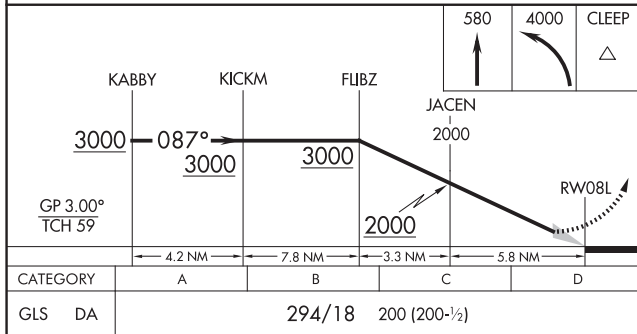
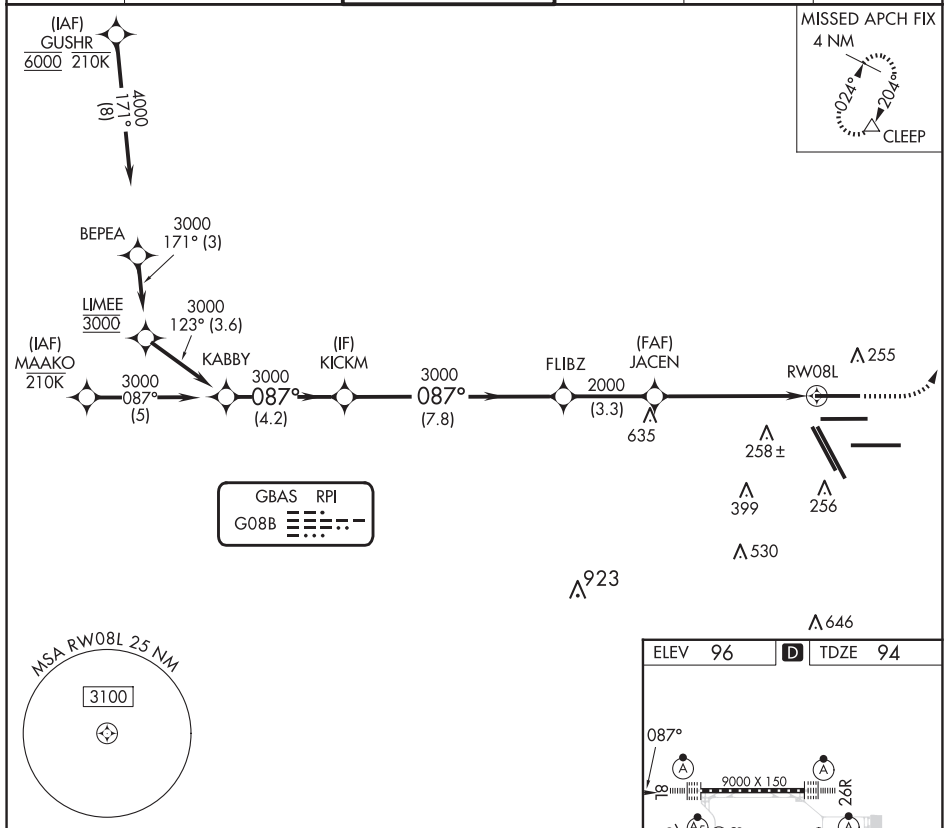
GBAS CH <b>21073</b> <b>G08B</b>	APP CRS <b>087°</b>	Rwy Idg TDZE Apt Elev	<b>9000</b> <b>94</b> <b>96</b>
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# GLS RWY 8L

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		ALSIF-2 	MISSED APPROACH: Climb to 580 then climbing left turn to 4000 direct CLEEP and hold.
Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 294. Simultaneous approach authorized.			

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>120.725 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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HOUSTON, TEXAS

Amndt 2 23FEB23

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

# GLS RWY 8L


SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

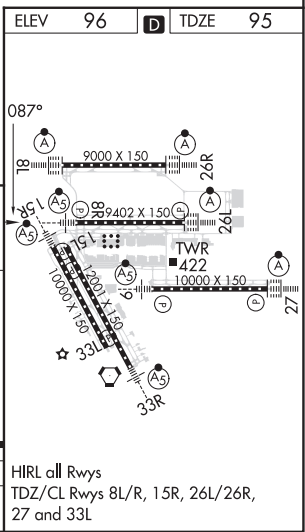
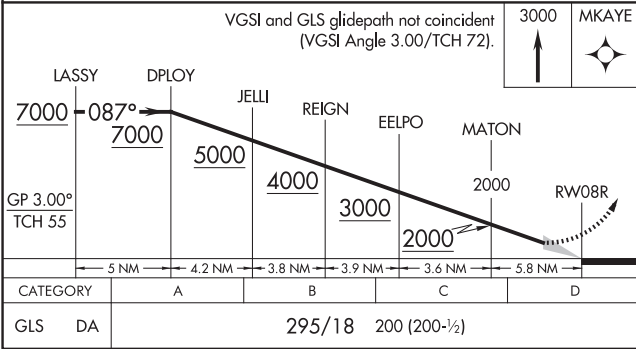
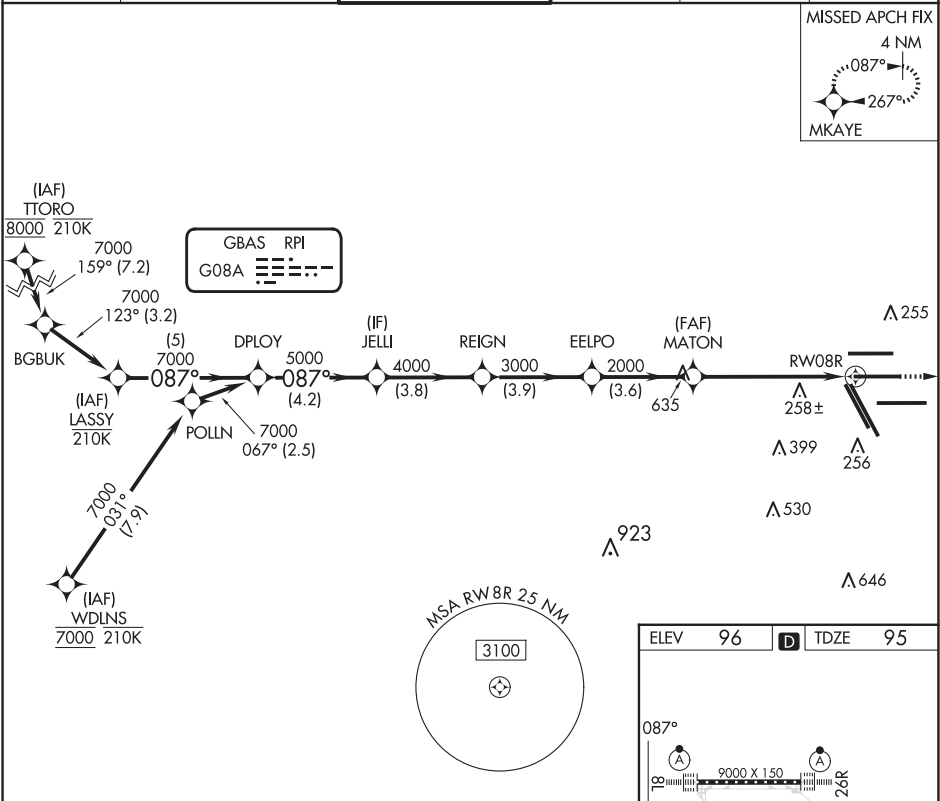
GBAS CH <b>20251</b> <b>G08A</b>	APP CRS <b>087°</b>	Rwy Idg TDZE Apt Elev	<b>9402</b> <b>95</b> <b>96</b>
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GLS RWY 8R

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		<div>MALSR</div> <div></div>	MISSED APPROACH: Climb to 3000 direct MKAYE and hold.
<div><div><div>T</div><div>A</div></div><div>NA</div></div> <div>Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 295.</div>			

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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HOUSTON, TEXAS


AL-5461 (FAA)

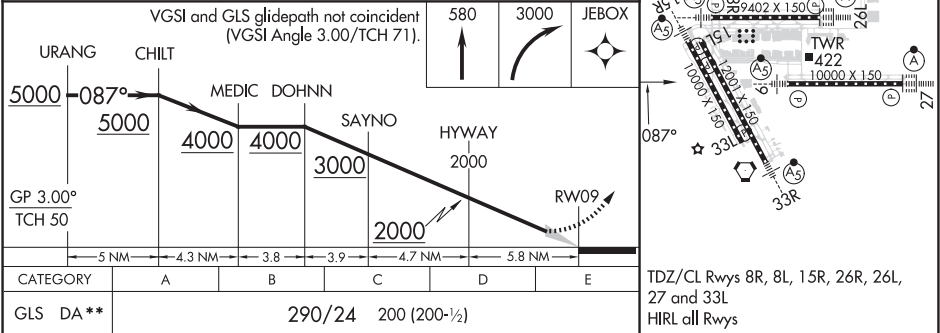
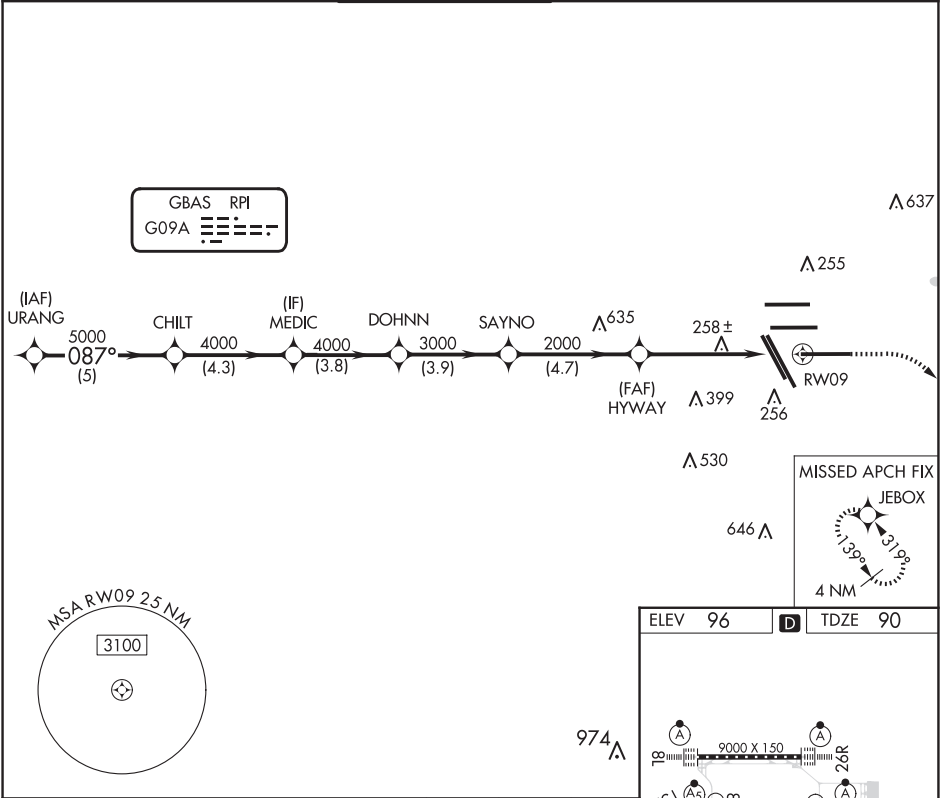
24305

GBAS CH <b>21895</b> RPI <b>G09A</b>	APP CRS <b>087°</b>	Rwy Idg <b>10000</b> TDZE <b>90</b> Apt Elev <b>96</b>
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GLS RWY 9

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.			MALSR 	MISSED APPROACH: Climb to 580 then climbing right turn to 3000 direct JEBOX and hold.	
D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>135.15 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC

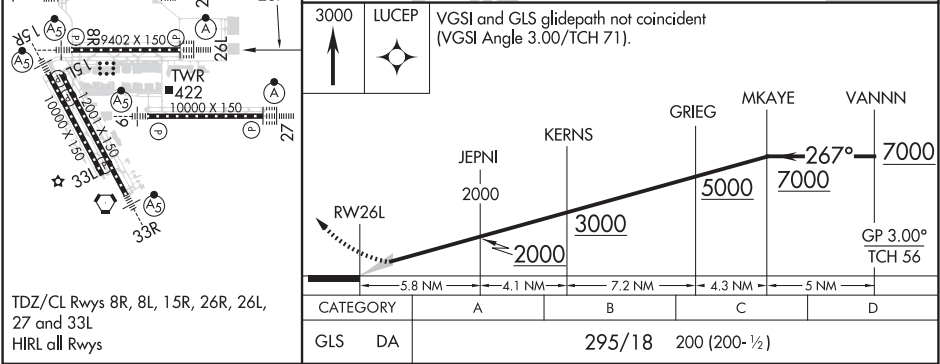
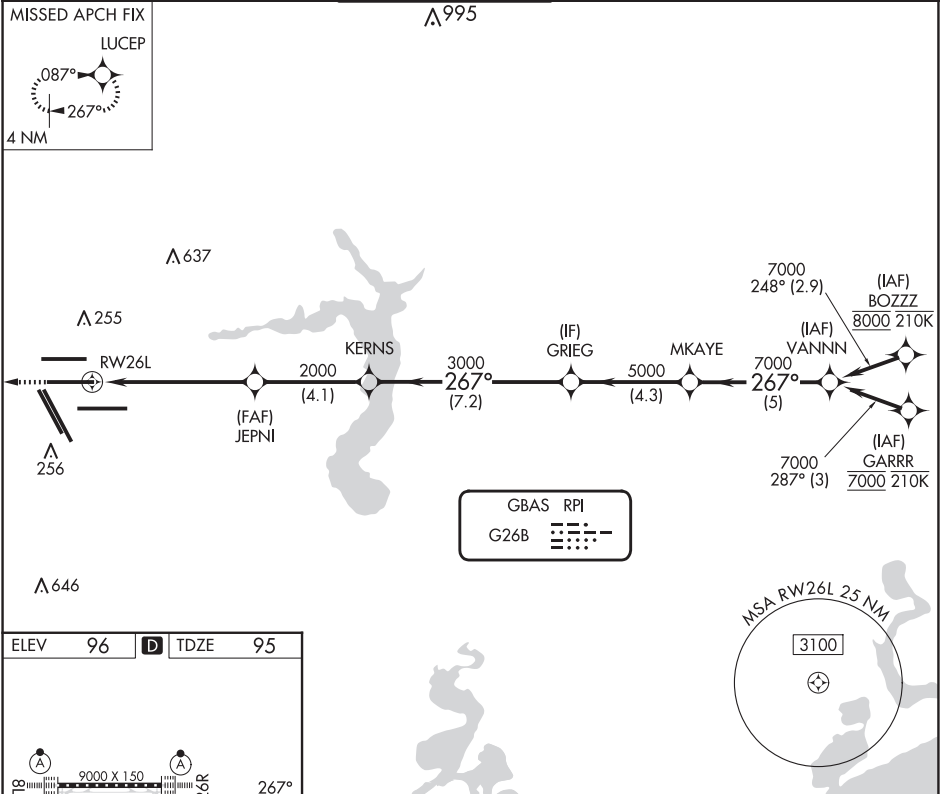


GBAS CH <b>20662</b> <b>G26B</b>	APP CRS <b>267°</b>	Rwy Idg <b>9402</b> TDZE <b>95</b> Apt Elev <b>96</b>
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GLS RWY 26L

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		ALSF-2		MISSED APPROACH: Climb to 3000 direct LUCEP and hold.	
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 295.					
D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC



HOUSTON, TEXAS

AL-5461 (FAA)

24305

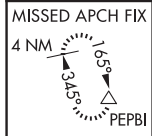
GBAS CH <b>21484</b> <b>G26A</b>	APP CRS <b>267°</b>	Rwy Idg TDZE <b>95</b> Apt Elev <b>96</b>	<b>9000</b>
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# GLS RWY 26R

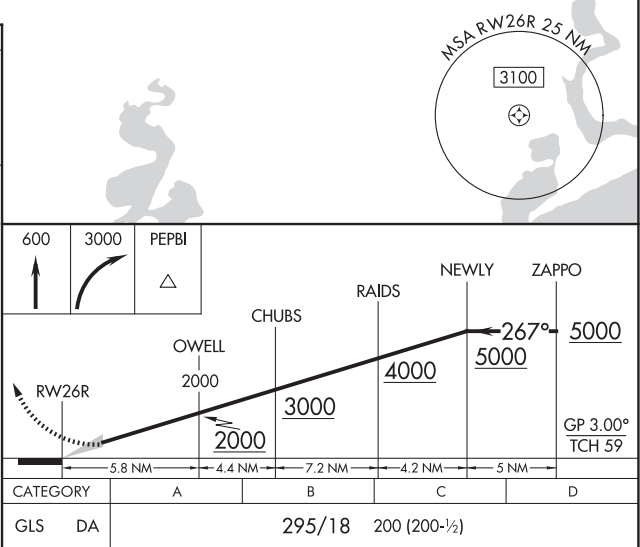
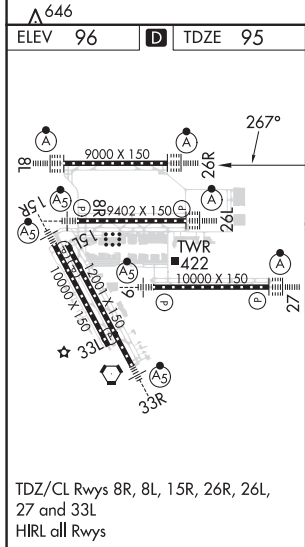
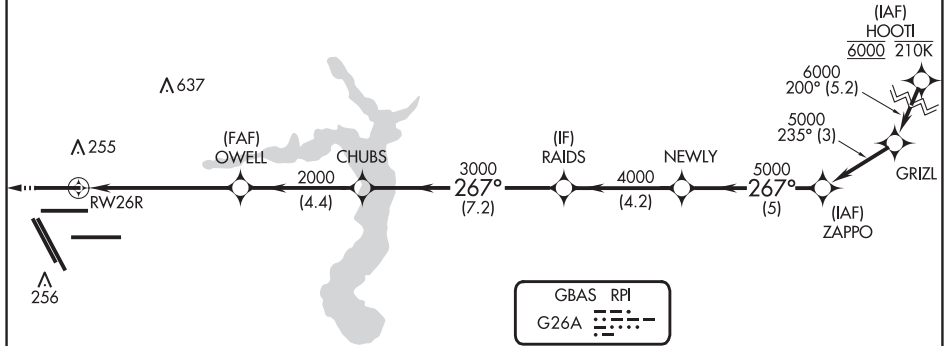
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		ALSF-2	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 direct PEPBI and hold.	
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 295.				

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>120.725 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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Λ 2049



HOUSTON, TEXAS  
Amdt 2A 20APR23

GEORGE BUSH INTCNL/HOUSTON (IAH)  
29°59'N-95°20'W  
**GLS RWY 26R**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

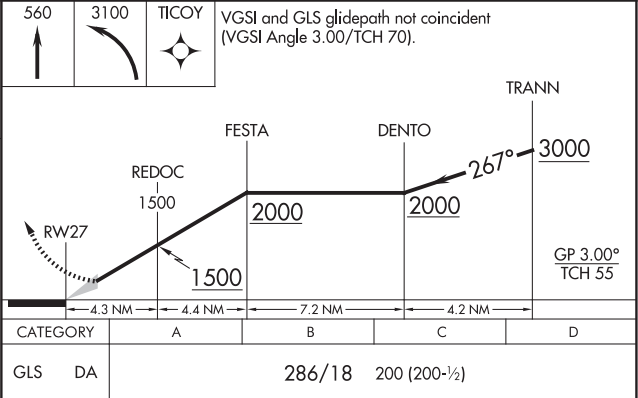
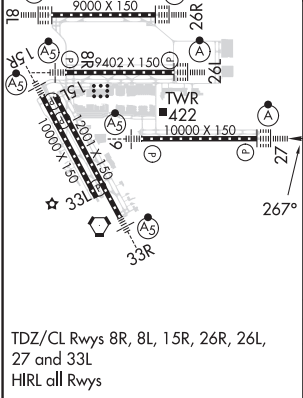
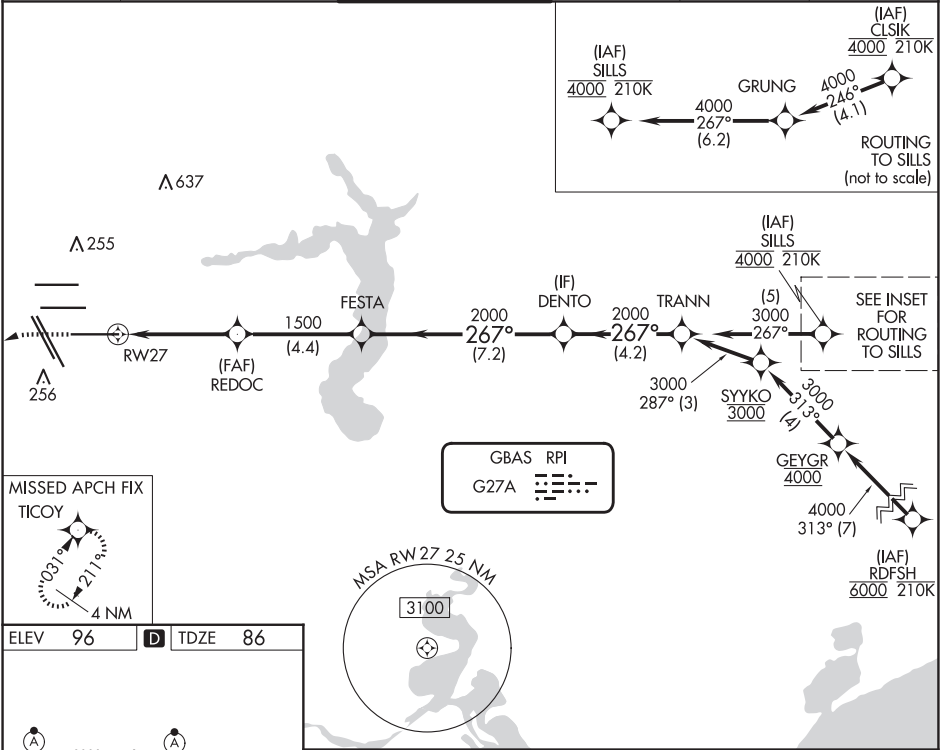
GBAS CH <b>22306</b> <b>G27A</b>	APP CRS <b>267°</b>	Rwy Idg TDZE <b>86</b> Apt Elev <b>96</b>	<b>10000</b>
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GLS RWY 27

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		ALSIF-2 	MISSED APPROACH: Climb to 560 then climbing left turn to 3100 direct TICOY and hold.
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 286.			

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>135.15 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

APP CRS	Rwy Idg	9000
087°	TDZE	94
	Apt Elev	96

RNAV (RNP) Y RWY 8L  
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP AR APCH-GPS.

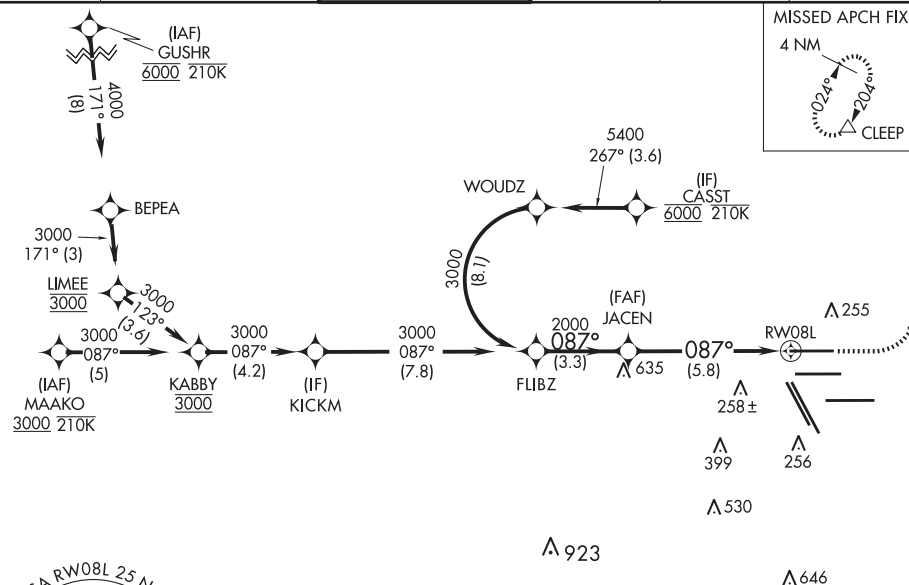
**T** Simultaneous approach authorized. For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C. Use of FD or AP providing RNAV track guidance required during simultaneous operations. For inop ALS, increase RNP 0.30 all Cats visibility to RVR 5500.

ALSF-2

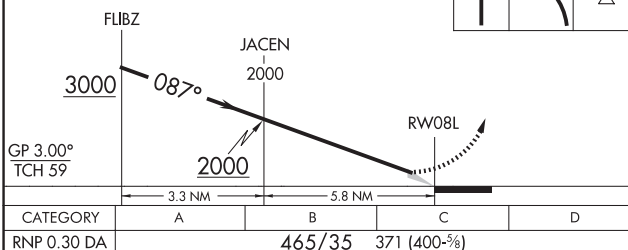


**MISSED APPROACH:** Climb to 580 then climbing left turn to 4000 direct CLEEP and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>120.72 290.2</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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See planview for multiple IF locations.



**AUTHORIZATION REQUIRED**

[illegible]

HOUSTON, TEXAS

Amdt 1 19MAY22

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

RNAV (RNP) Y RWY 8L

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

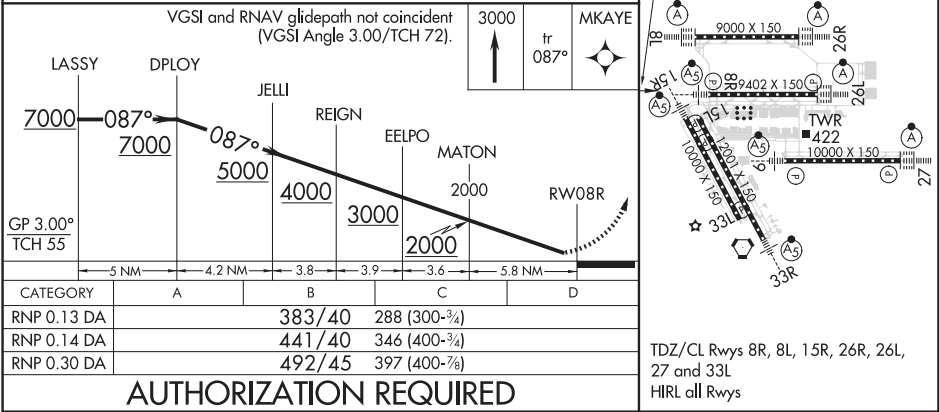
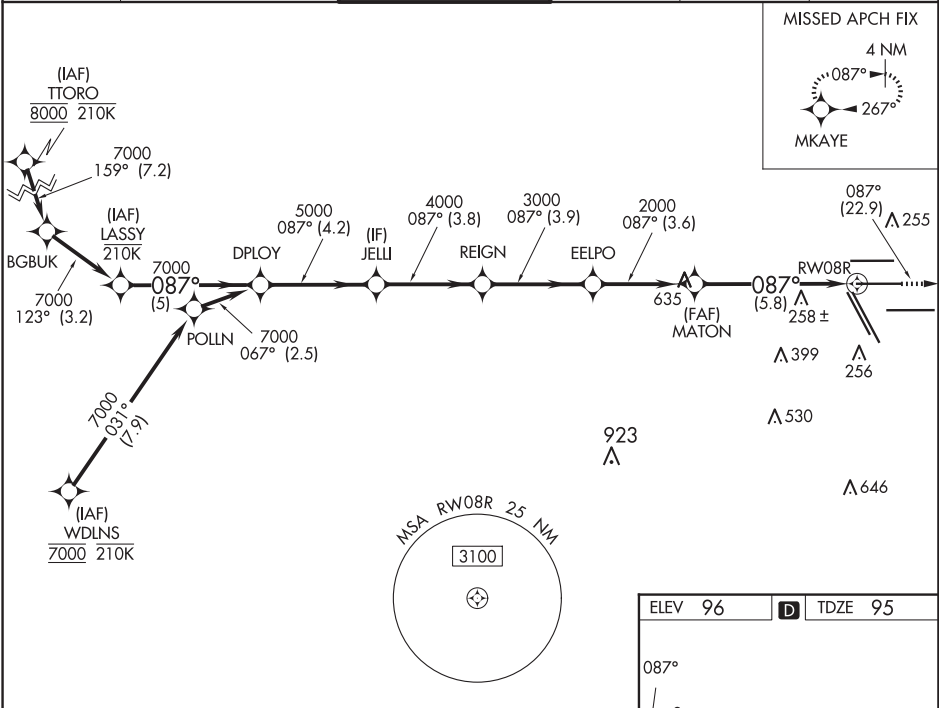


APP CRS	Rwy Idg	9402
087°	TDZE	95
	Apt Elev	96

RNAV (RNP) Y RWY 8R  
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP AR APCH.	MALSR	MISSED APPROACH: Climb to 3000 on track 087° to MKAYE and hold.
For uncompensated Baro-VNAV systems, procedure NA below -3°C or above 54°C. For inop ALS increase RNP 0.13 all Cats visibility to RVR 4500, RNP 0.14 all Cats visibility to RVR 5600, RNP 0.30 all Cats visibility to 1¼ SM. Simultaneous approach authorized.		

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	125.35 290.2	118.575	128.1	



HOUSTON, TEXAS

AL-5461 (FAA)

24305

APP CRS	Rwy Idg	10000
087°	TDZE	91
	Apt Elev	96

# RNAV (RNP) Y RWY 9

GEORGE BUSH INTCNL/HOUSTON (IAH)

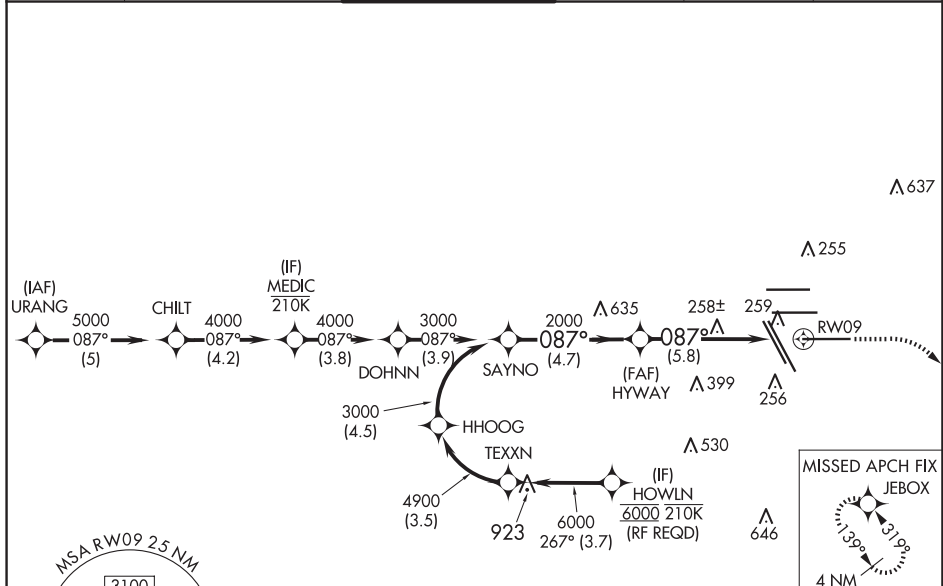
**▽** For uncompensated Baro-VNAV systems, procedure NA below -3°C (27°F) or above 54°C (130°F). GPS required. For inop MALSR, increase all Cats visibility to 1½ mile. Simultaneous approach authorized. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

**MALSR**

**AS**

**MISSED APPROACH:** Climb to 580 then climbing right turn to 3000 direct JEBBOX and hold.

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	135.15 290.2	118.575	128.1	



ELEV 96 **D** TDZE 91

974 **A**

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).

SAYNO 3000 087° 2000 HYWAY 2000

GP 3.00° TCH 50

4.7 NM 5.8 NM

RWY 9

CATEGORY A B C D

RNP 0.30 DA 516/49 425 (500-1)

**AUTHORIZATION REQUIRED**

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L

HIRL all Rwy's

580 3000 JEBBOX

9000 X 150 26K

9402 X 150 26L

TWR 422

1000 X 150 33L

1000 X 150 33R

087°

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

APP CRS  
**267°**

Rwy Idg  
TDZE  
Apt Elev

**9402**  
**95**  
**96**

**RNAV (RNP) Y RWY 26L**

GEORGE BUSH INTCNTL/HOUSTON (IAH)

RNP AR APCH - GPS.

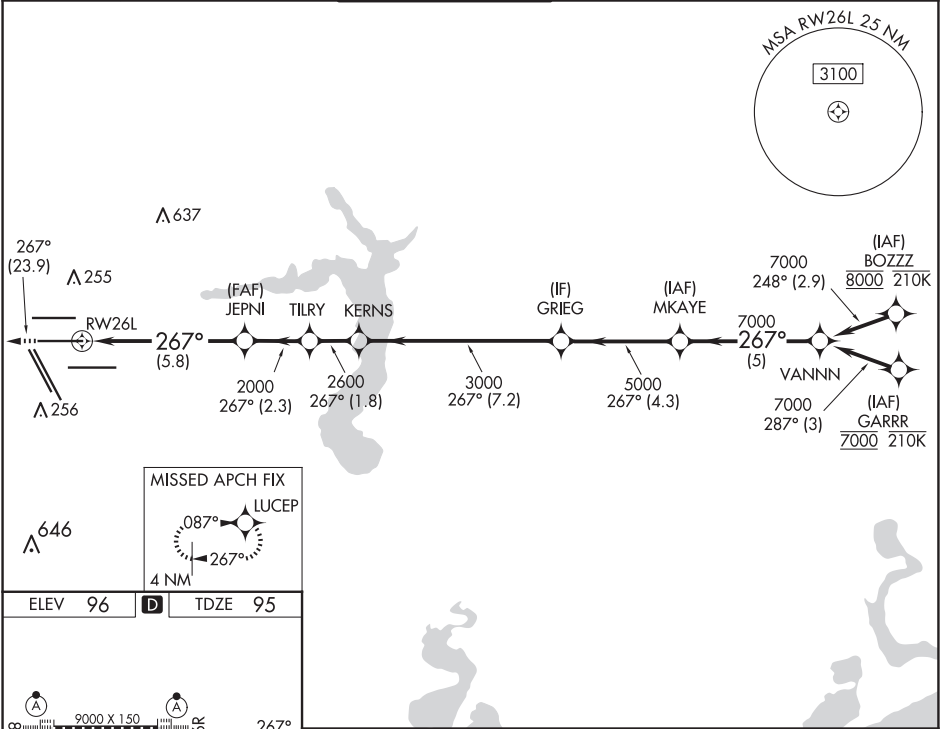
▼

For uncompensated Baro-VNAV systems, procedure NA below -3°C or above 54°C. Simultaneous approach authorized. For inop ALS, increase RNP 0.13 all Cats visibility to RVR 5100, and RNP 0.30 all Cats visibility to 1½ SM.

ALSF-2

MISSED APPROACH: Climb to 3000 on track 267° to LUCEP and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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ELEV 96

TDZE 95

3000

LUCEP

tr 267°

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).

RWY 26L

JEPNI

TILRY

KERNS

GRIEG

MKAYE

VANNN

2000

2600

3000

5000

7000

7000

5.8 NM

2.3 NM

1.8

7.2 NM

4.3 NM

5 NM

CATEGORY

A

B

C

D

RNP 0.13 DA

414/40

319 (400-¾)

RNP 0.30 DA

549/55

454 (500-1)

GP 3.00°

TCH 56

**AUTHORIZATION REQUIRED**

HOUSTON, TEXAS

GEORGE BUSH INTCNTL/HOUSTON (IAH)

Orig-E 19MAY22

RNAV (RNP) Y RWY 26L

29°59'N-95°20'W

281

HOUSTON, TEXAS

AL-5461 (FAA)

24305

APP CRS	Rwy Idg	9000
267°	TDZE	96
	Apt Elev	96

# RNAV (RNP) Y RWY 26R

GEORGE BUSH INTCNL/HOUSTON (IAH)

**⚠** For uncompensated Baro-VNAV systems, procedure NA below -3°C (27°F) or above 54°C (130°F). GPS required. Simultaneous approach authorized. For inop ALS, increase RNP 0.11 all Cnts visibility to RVR 5000 and increase RNP 0.15 all Cnts visibility to 1½ SM. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALS-F-2

**MISSED APPROACH:** Climb to 600 then climbing right turn to 3000 direct PEPBI and hold.

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	120.72 290.2	121.7	128.1	

4 NM

PEPBI

2049

5100 087° (3)

SKLER (IF) 6000 210K (RF REQD)

DRKAR

2600 to SOOPR (8.1)

SOOPR

3000 267° (7.2)

CHUBS

2600 to SOOPR 267° (1.8)

2000 267° (2.6)

OWELL (FAF)

255

258±

399

256

530

646

267°

5000 235° (3)

5000 267° (5)

NEWLY 5000

RAIDS (IF)

GRIZL

5000 200° (3.2)

6000 200° (3.2)

HOOTI (IAF) 6000 210K

ZAPPO (IAF)

MSA RW26R 2.5 NM

3100

ELEV 96

TDZE 96

267°

9000 X 150

9402 X 150

TWR 422

10000 X 150

1000 X 150

331

33R

600

3000

PEPBI

See planview for multiple IF locations.

SOOPR

OWELL

2000

267°

2600

2000

GP 3.00°

TCH 59

CATEGORY	A	B	C	D
RNP 0.11 DA		429/40	333 (400-¾)	
RNP 0.15 DA		496/45	400 (400-⅞)	
RNP 0.30 DA		554/50	458 (500-1¼)	

AUTHORIZATION REQUIRED

TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L

HIRL all Rwy 5

HOUSTON, TEXAS

Orig-D 13SEP18

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

# RNAV (RNP) Y RWY 26R

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

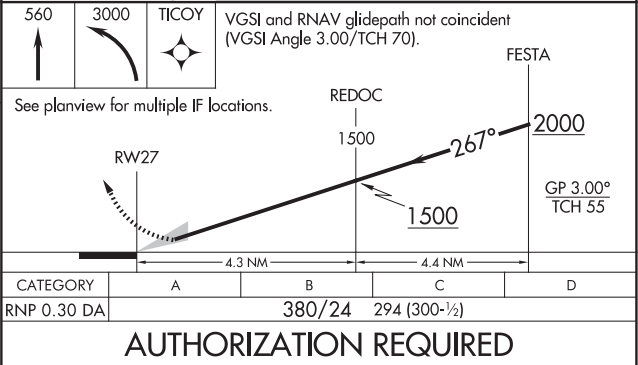
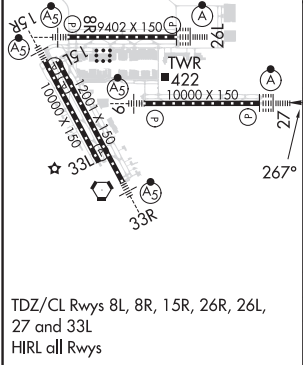
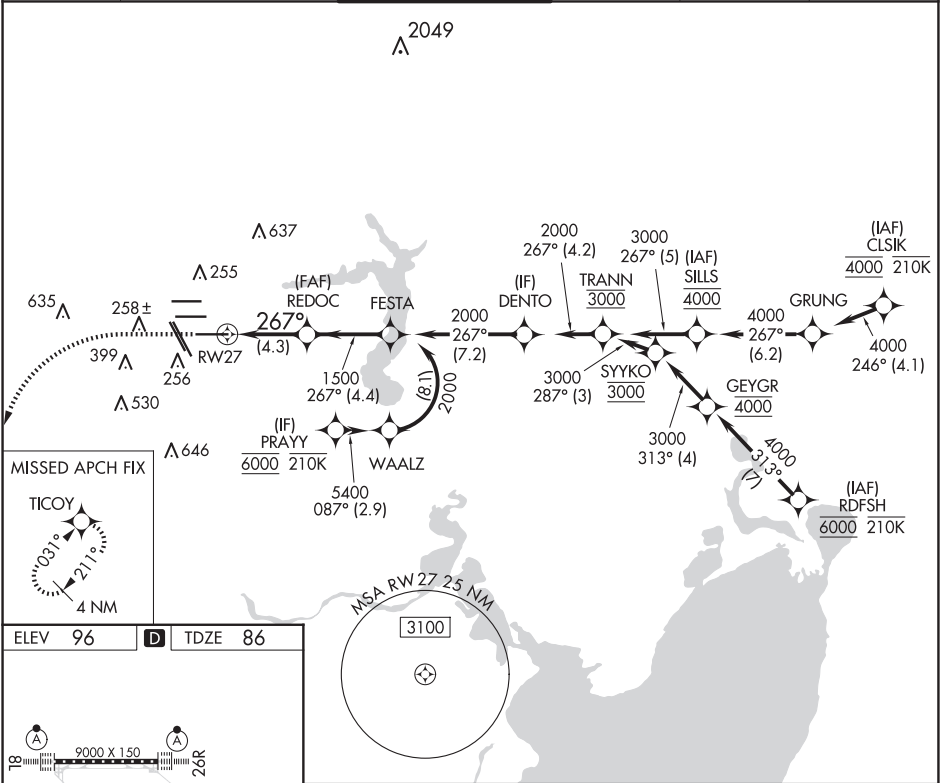
APP CRS	Rwy Idg	10000
267°	TDZE	86
	Apt Elev	96

RNAV (RNP) Y RWY 27

GEORGE BUSH INTCNTL/HOUSTON (IAH)

RNP AR APCH - GPS.	Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C. For inop ALS, increase RNP 0.30 all Cats visibility to RVR 4500.	ALSF-2	MISSED APPROACH: Climb to 560 then climbing left turn to 3000 direct TICoy and hold.
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D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
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HOUSTON, TEXAS

AL-5461 (FAA)

24305

WAAS CH <b>97599</b> <b>W15A</b>	APP CRS <b>149°</b>	Rwy Idg <b>10000</b> TDZE <b>95</b> Apt Elev <b>96</b>
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RNAV (GPS) RWY 15R


GEORGE BUSH INTCNL/HOUSTON (IAH)

RADAR required for procedure entry.  
RNP APCH.

T

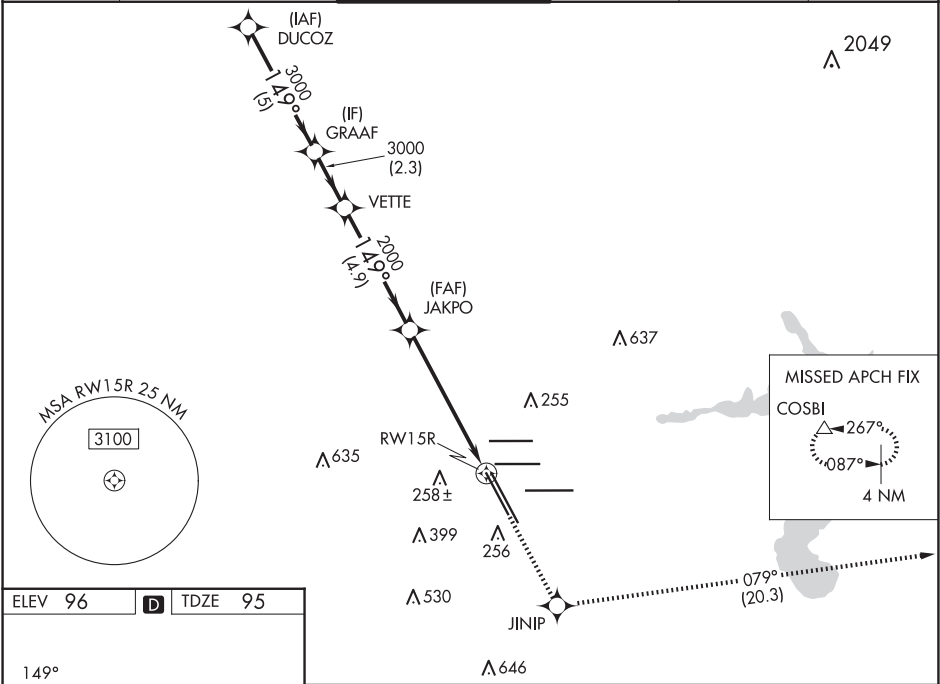
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C or above 54°C. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 5500, and LNAV Cat C/D/E visibility to 1 3/8 SM.

MALSR

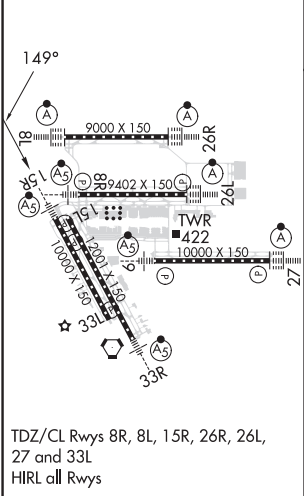


MISSED APPROACH: Climb to 2000 direct JINIP and left turn on track 079° to COSBI and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>127.3 288.25</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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ELEV 96	D	TDZE 95
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TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L  
HIRL all Rwy

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).					
DUCOZ	GRAAF	VETTE	JAKPO	JINIP	COSBI
3000	3000	3000	2000	2000	2000
GP 3.00°					
TCH 54					
5 NM	2.3 NM	4.9 NM	4.5 NM	1.3 NM	
A	B	C	D	E	
LPV DA	295/18		200 (200-1/2)		
LNAV/VNAV DA	460/35		365 (400-3/4)		
LNAV MDA	580/24	485 (500-1/2)	580/50	485 (500-1)	

HOUSTON, TEXAS  
Amdt 2C 30JAN20

GEORGE BUSH INTCNL/HOUSTON (IAH)  
RNAV (GPS) RWY 15R

29°59'N-95°20'W

SC-5, 07 AUG 2025 to 02 OCT 2025


SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>57902</b> <b>W33A</b>	APP CRS <b>329°</b>	Rwy 33R Rwy ldg <b>12001</b> TDZE <b>89</b> Apt Elev <b>96</b>	Rwy 33L Rwy ldg <b>10000</b> TDZE <b>90</b> Apt Elev <b>96</b>
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RNAV (GPS) RWY 33R

GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop MALSR, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1½, and LNAV Cat E visibility to 1½. DME/DME RNP-0.3 NA. \*\* RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 2000 direct NALIE and on track 333° to GOMER and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>127.3 288.25</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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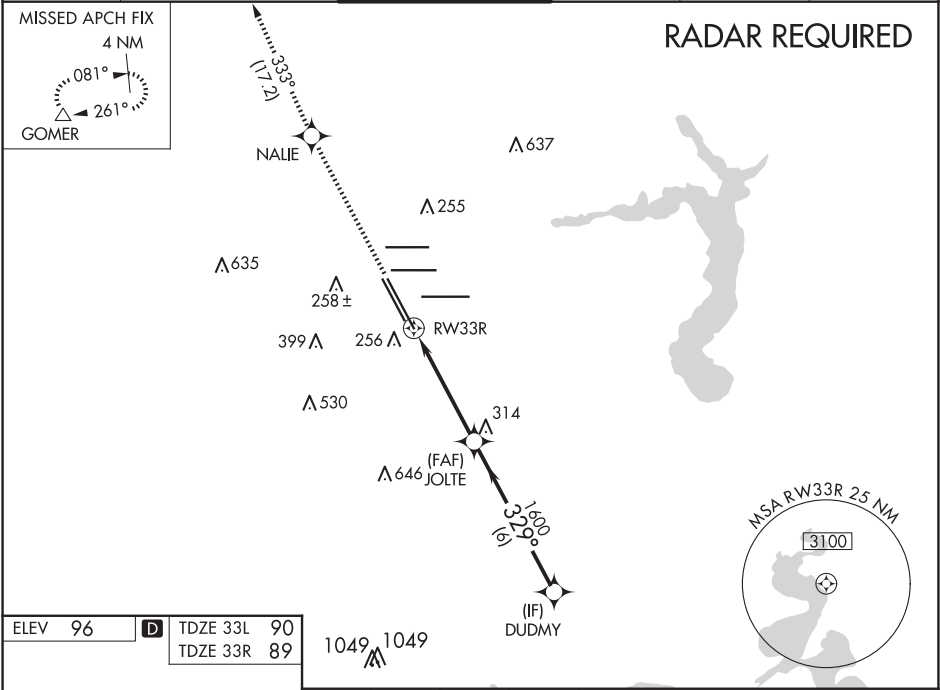


Diagram of the RWY 33R approach. The diagram shows the runway layout with various lights and markings. The runway width is 9000 X 150. The runway length is 10000 X 150. The diagram includes the runway numbers (33L, 33R) and the runway centerline. The diagram is labeled 'RWY 33R' and includes a scale of 4 NM.

TDZ/CL Rwy's 8R, 8L, 15R,  
26R, 26L, 27 and 33L  
HIRL all Rwy's

2000 ↑		NALIE ✦		tr 333°		GOMER △			
*LNAV only.		*1.3 NM to RW33R		JOLTE 1600		DUDMY 2000			
		RW33R		329°		1600		GP 3.00° TCH 49	
		1.3 NM		3.3 NM		6 NM			
CATEGORY		A		B		C		D	
LPV DA**		289/24		200 (200-½)					
LNAV/VNAV DA		490/45		401 (400-¾)					
LNAV MDA		540/24 451 (500-½)		540/45 451 (500-¾)					
SIDESTEP 33L		540-1 450 (500-1)		540-1½ 450 (500-1½)		540-2 450 (500-2)		NA	

HOUSTON, TEXAS

AL-5461 (FAA)

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WAAS CH <b>77826</b> <b>W08A</b>	APP CRS <b>087°</b>	Rwy Idg TDZE Apt Elev	<b>9000</b> <b>95</b> <b>96</b>
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# RNAV (GPS) Z RWY 8L

GEORGE BUSH INTCNL/HOUSTON (IAH)

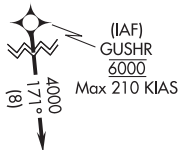
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1¼, and LNAV Cat C/D/E visibility to 1¾. Simultaneous approach authorized with Rwy 8R and Rwy 9. DME/DME RNP-0.3 NA. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

ALSF-2



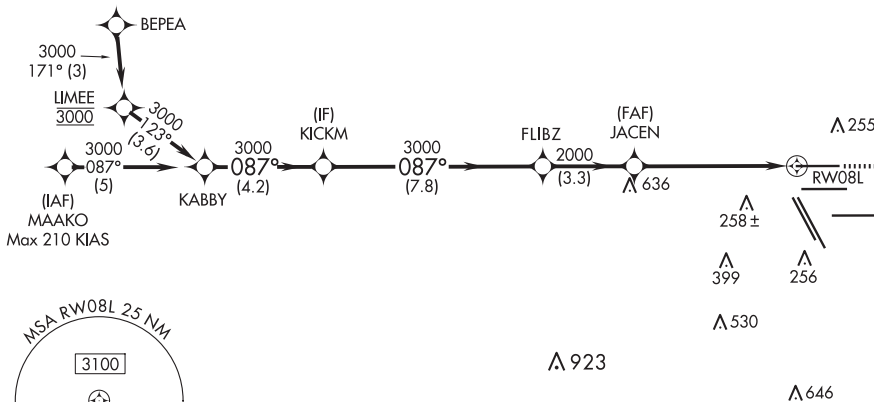
MISSED APPROACH: Climb to 580 then climbing left turn to 4000 direct CLEEP and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>120.72 290.2</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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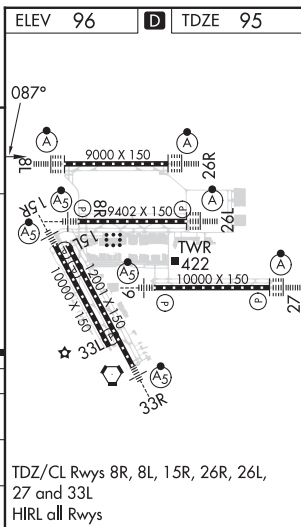


RADAR REQUIRED

MISSED APCH FIX



		KABBY		KICKM		FLIBZ		JACEN		RWY 8L	
		3000		3000		3000		2000		2000	
		087°		087°		087°		087°		087°	
		4.2 NM		7.8 NM		3.3 NM		4.5 NM		1.3 NM	
		A		B		C		D		E	
LPV	DA	295/18		200 (200-½)							
LNAV/VNAV	DA	486/40		391 (400-¾)							
LNAV	MDA	580/24		485 (500-½)		580/50		485 (500-1)			



HOUSTON, TEXAS

Amdt 5C 17AUG17

GEORGE BUSH INTCNL/HOUSTON (IAH)

29°59'N-95°20'W

RNAV (GPS) Z RWY 8L

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



WAAS CH <b>53626</b> <b>W08B</b>	APP CRS <b>087°</b>	Rwy Idg <b>9402</b> TDZE <b>96</b> Apt Elev <b>96</b>
--	------------------------	---

RNAV (GPS) Z RWY 8R  
GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop MALSR, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 6000, and LNAV Cat C/D/E visibility to 1%. Simultaneous approach authorized with Rwy 8L and Rwy 9. DME/DME RNP-0.3 NA. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

MALSR

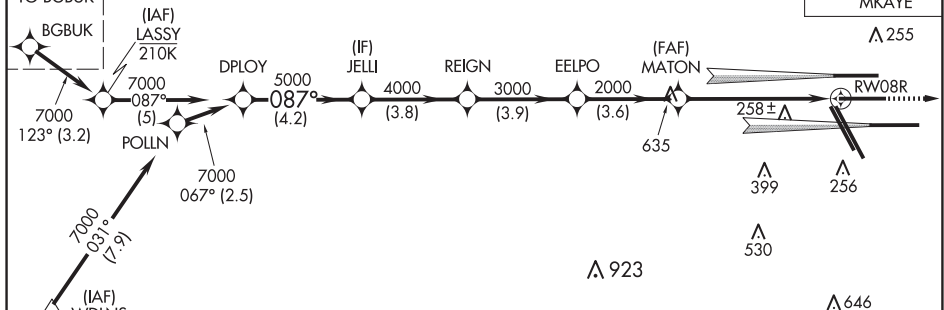


**MISSED APPROACH:**  
Climb to 3000 direct  
MKAYE and hold.

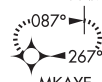
D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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## RADAR REQUIRED

SEE INSET  
FOR  
ROUTING  
TO BGBUK



MISSED APCH FIX  
4 NM



A 255

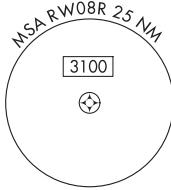
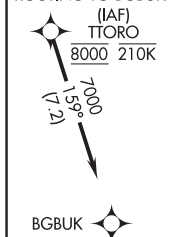
△

A 023

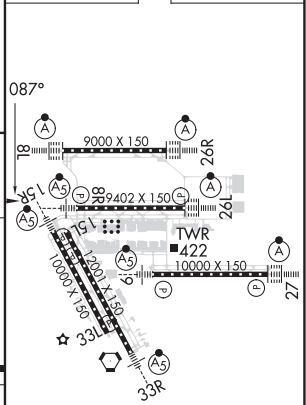
 $\Delta$ 

A 646

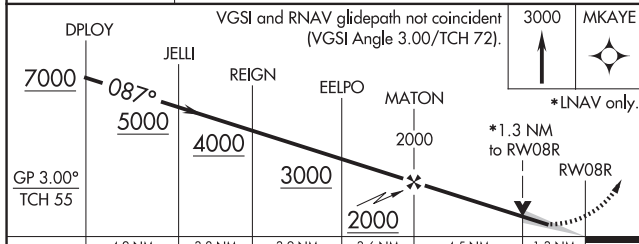
ROUTING TO BGBUK



ELEV	96	<b>D</b>	TDZE	96
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VGSI and RNAV glidepath not coincident  
(VGSI Angle 3.00/TCH 72)



CATEGORY		A		B	C	D	E
LPV	DA	296/18		200 (200-½)			
RNAV/ RNAV	DA	421/32		325 (400-⅝)			
RNAV	MDA	580/24	484 (500-½)	580/50		484 (500-1)	

HIRL all Rwys  
TDZ/CL Rwys 8L/R, 15R, 26L/26R,  
27 and 33L

HOUSTON, TEXAS

AL-5461 (FAA)

24305


WAAS CH <b>72926</b> <b>W09A</b>	APP CRS <b>087°</b>	Rwy Idg <b>10000</b> TDZE <b>91</b> Apt Elev <b>96</b>
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RNAV (GPS) Z RWY 9

GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop MALSR, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1½ mile, and LNAV Cat C/D/E visibility to 1½ mile. Simultaneous approach authorized with Rwy 8L/R. DME/DME RNP-0.3 NA. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.  
\*\* RVR 1800 authorized with use of FD or AP or HUD to DA.

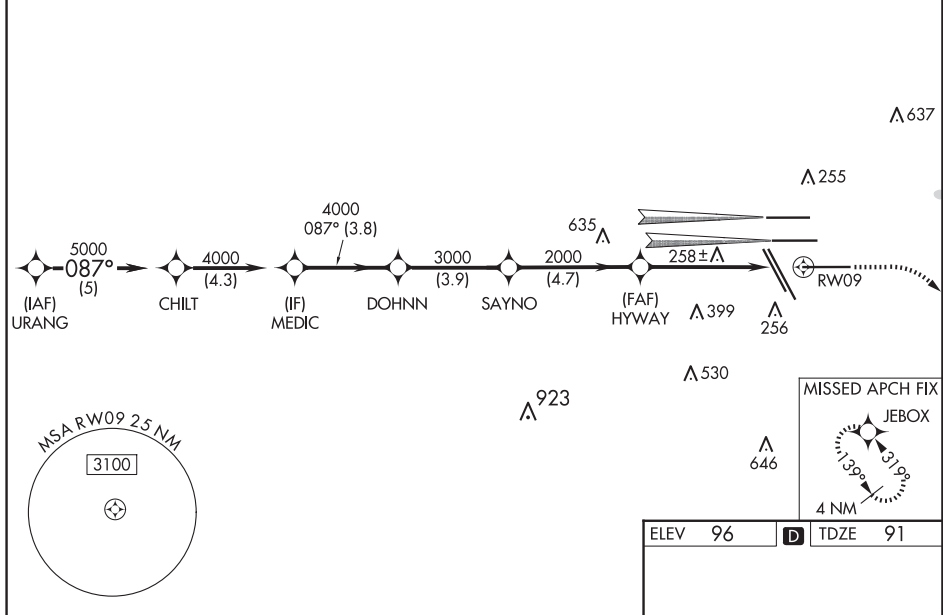
MALSR



MISSED APPROACH: Climb to 580 then climbing right turn to 3000 direct JEBOX and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>135.15 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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RADAR REQUIRED



VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).

URANG CHILT MEDIC DOHNN SAYNO HYWAY RWY 09

5000 087° 5000 4000 4000 3000 2000 2000 1.3

GP 3.00° TCH 50

5 NM 4.3 NM 3.8 NM 3.9 NM 4.7 NM 4.5 NM 1.3

580 3000 JEBOX

\*LNAV only.

\*1.3 NM to RWY 09

9000 X 150 9402 X 150 26L 26R 27 33L 33R

TWR 422 10000 X 150

087°

TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L  
HIRL all Rwy

CATEGORY	A	B	C	D	E
LPV DA**	291/24		200 (200-½)		
LNAV/VNAV DA	525/50		434 (500-1)		
LNAV MDA	580/24	489 (500-½)	580/50	489 (500-1)	

HOUSTON, TEXAS  
Amdt 5B 07DEC17

29°59'N-95°20'W

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNAV (GPS) Z RWY 9

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>49226</b> <b>W26D</b>	APP CRS <b>267°</b>	Rwy Idg <b>9402</b> TDZE <b>95</b> Apt Elev <b>96</b>
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RNAV (GPS) Z RWY 26L

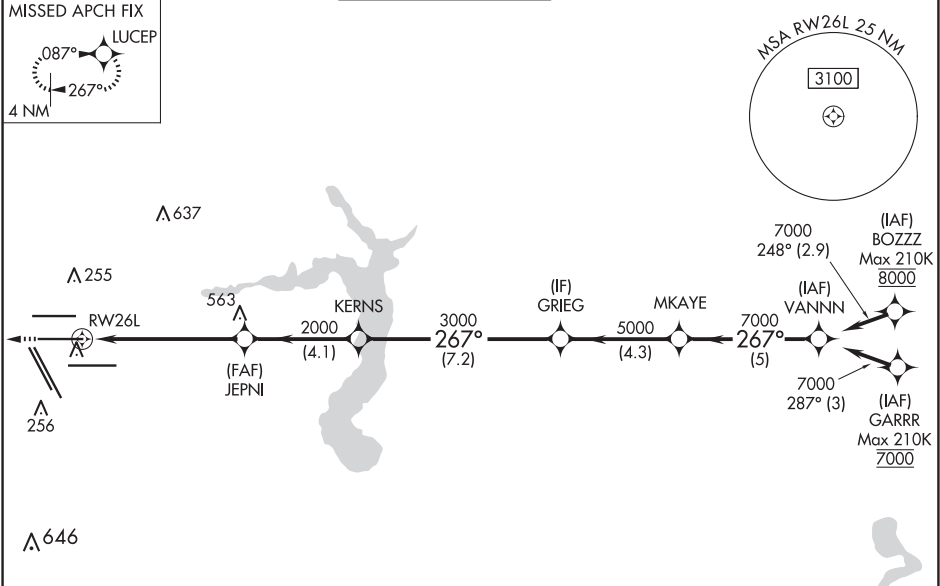
GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1½, and LNAV Cat E visibility to 1¾. DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 26R and Rwy 27. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

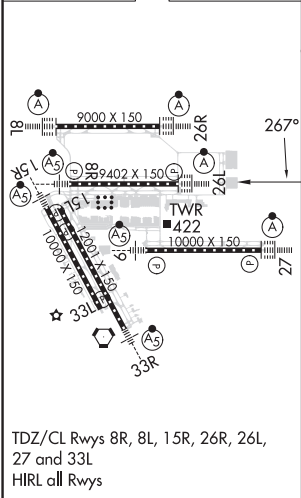
ALSF-2  
A

MISSED APPROACH:  
Climb to 3000 direct  
LUCPE and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>125.35 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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ELEV <b>96</b>	<b>D</b>	TDZE <b>95</b>
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RADAR REQUIRED

3000 LUCPE

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00°/TCH 71°).

\*LNAV only

CATEGORY	A	B	C	D	E
LPV DA		295/18	200 (200-½)		
LNAV/VNAV DA		586/60	491 (500-1¼)		
LNAV MDA	680/24	585 (600-½)	680-1¼	585 (600-1¼)	

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-5461 (FAA)

24305

WAAS CH <b>97726</b> <b>W26A</b>	APP CRS <b>267°</b>	Rwy Idg <b>9000</b> TDZE <b>96</b> Apt Elev <b>96</b>
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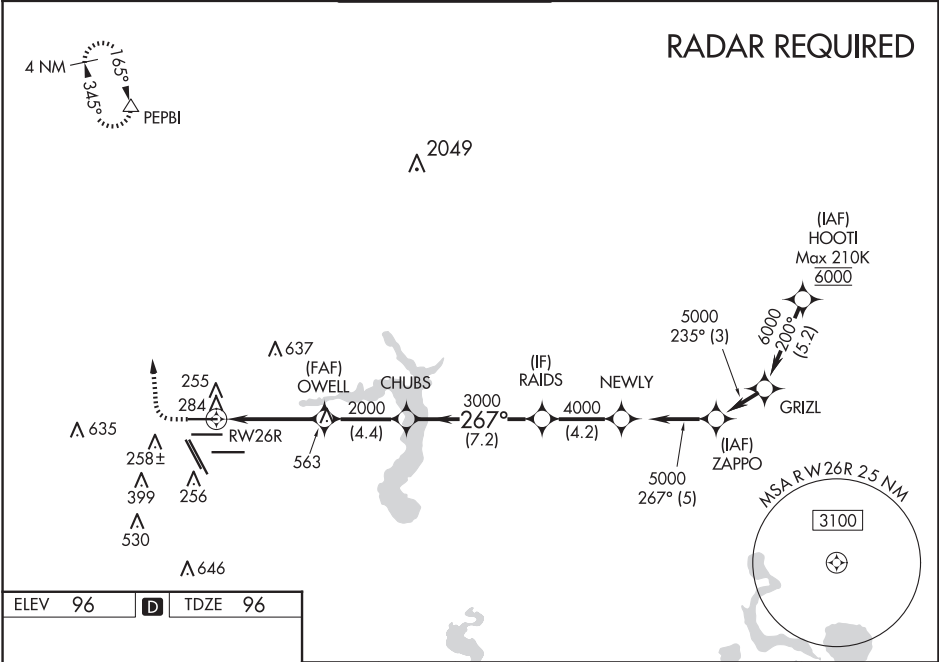
RNAV (GPS) Z RWY 26R  
GEORGE BUSH INTCNTL/HOUSTON (IAH)

**⚠** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to 1¼, and LNAV Cat C/D/E visibility to 1½. DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 26L and Rwy 27. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

**MISSED APPROACH:** Climb to 600 then climbing right turn to 3000 direct PEPBI and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOUSTON TOWER <b>120.72 290.2</b>	GND CON <b>121.7</b>	CLNC DEL <b>128.1</b>	CPDLC
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ELEV 96 **D** TDZE 96

331R, 33L, 26L, 26R, 15R, 8R, 8L

TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L  
HIRL all Rwy

600 3000 PEPBI

**\*LNAV only**

RAIDS CHUBS OWELL

NEWLY ZAPPO

5000 5000 5000

GP 3.00° TCH 59

CATEGORY	A	B	C	D	E
LPV DA	296/18		200 (200-½)		
LNAV/VNAV DA	496/42		400 (400-¾)		
LNAV MDA	600/24	504 (600-½)	600/55		504 (600-1)

HOUSTON, TEXAS  
Amdt 4B 17AUG17

GEORGE BUSH INTCNTL/HOUSTON (IAH)  
29°59'N-95°20'W  
RNAV (GPS) Z RWY 26R

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>69626</b> <b>W27A</b>	APP CRS <b>267°</b>	Rwy Idg <b>10000</b> TDZE <b>86</b> Apt Elev <b>96</b>
--	------------------------	--

RNAV (GPS) Z RWY 27

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations.  
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to RVR 6000, and LNAV Cats C, D and E visibility to 1 $\frac{3}{8}$  SM.

ALSF-2

MISSED APPROACH: Climb to 560 then climbing left turn to 3100 direct TICoy and hold.

D-ATIS <b>124.05</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOUSTON TOWER <b>135.15 290.2</b>	GND CON <b>118.575</b>	CLNC DEL <b>128.1</b>	CPDLC
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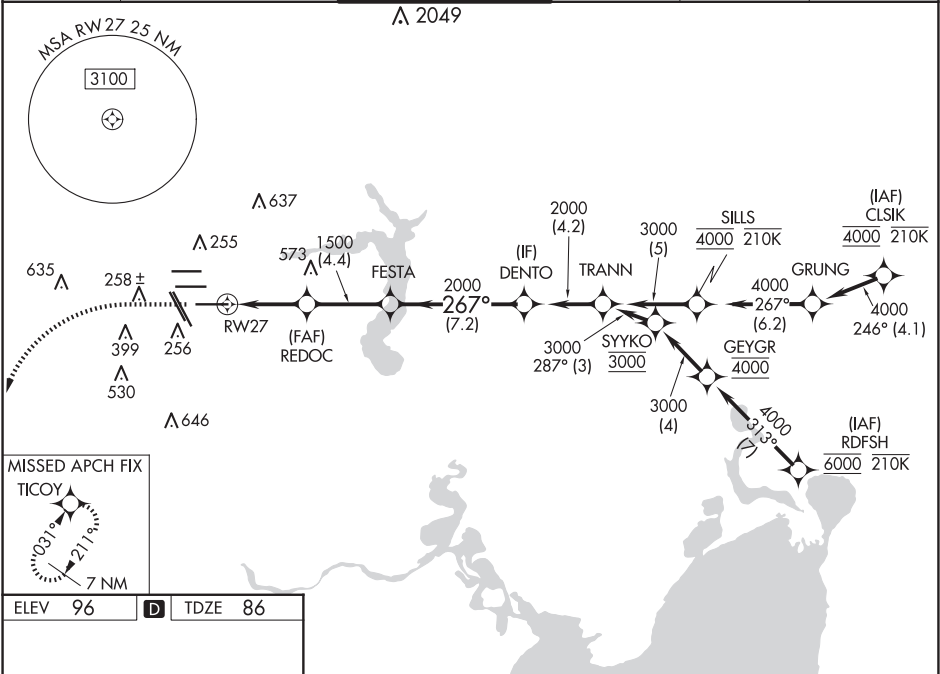


Diagram of the runway layout showing RW27, RW26L, RW26R, RW33L, and RW33R. The diagram includes dimensions and altitudes for each runway.

Runway dimensions and altitudes:

- RW27: 9000 X 150, 26R, 26L, 27, 267°
- RW26L: 9402 X 150, 26L, 26R
- RW26R: 10000 X 150, 26R, 26L
- RW33L: 10000 X 150, 33L, 33R
- RW33R: 10000 X 150, 33R, 33L

Other features:

- TWR 422
- AS (Automatic Stop) markers
- GP 3.00° TCH 55

TDZ/CL Rwys 8R, 8L, 15R, 26R, 26L,  
27 and 33L  
HIRL all Rwys

Diagram of the RNAV glidepath for RW27. The glidepath starts at 1500 feet at REDOC, descends to 2000 feet at DENTO, and then to 3000 feet at TRANN. The chart also shows the missed approach fix TICoy and the MSA for RW27.

Runway dimensions and altitudes:

- RW27: 9000 X 150, 26R, 26L, 27, 267°
- RW26L: 9402 X 150, 26L, 26R
- RW26R: 10000 X 150, 26R, 26L
- RW33L: 10000 X 150, 33L, 33R
- RW33R: 10000 X 150, 33R, 33L

Other features:

- TWR 422
- AS (Automatic Stop) markers
- GP 3.00° TCH 55

RNAV glidepath details:

- Start: 1500 feet at REDOC
- Intermediate: 2000 feet at DENTO
- End: 3000 feet at TRANN
- Angle: 267°
- GP 3.00° TCH 55

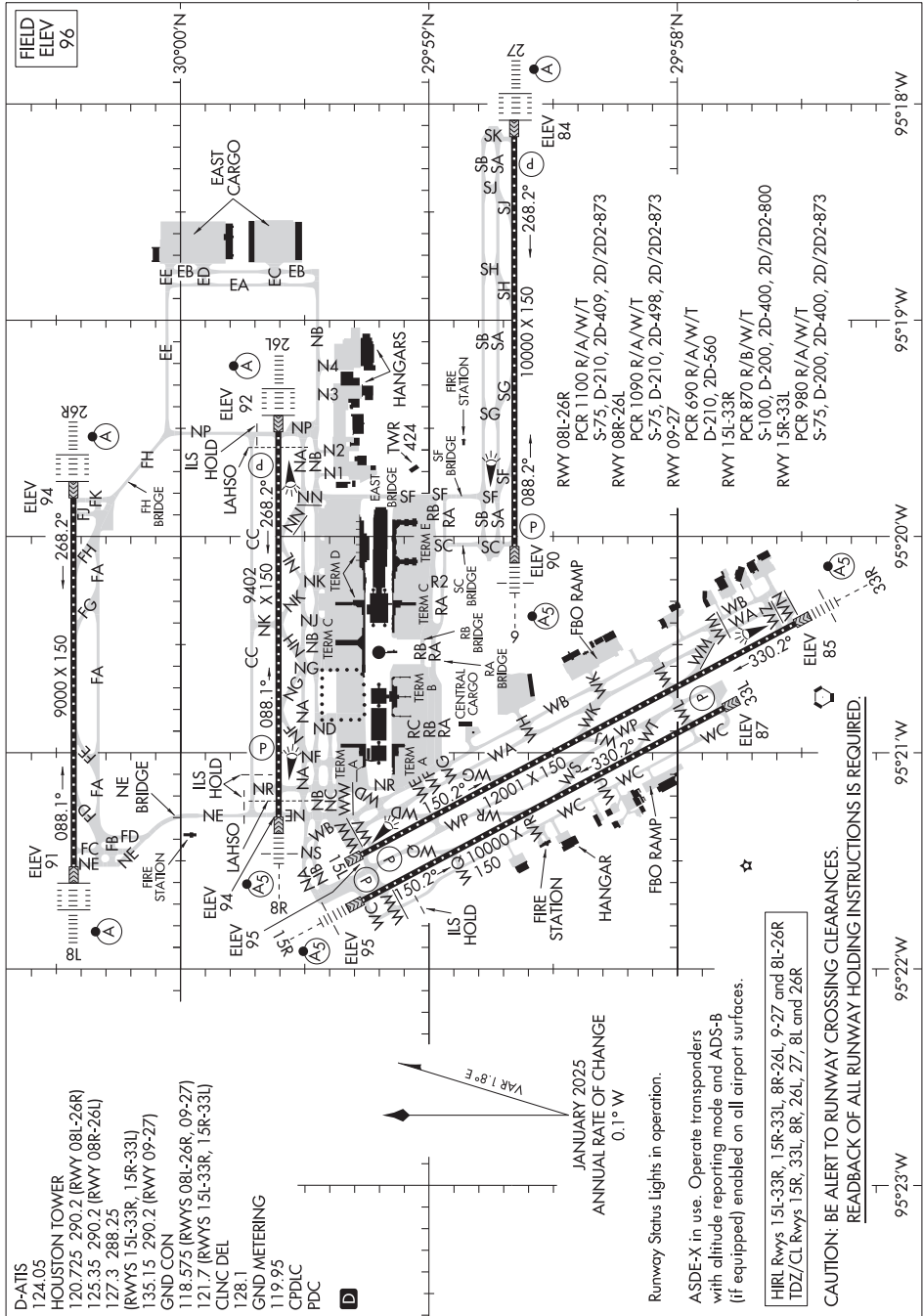
Missed approach fix (MDF) details:

- Distance: 1.3 NM to RW27
- Altitude: 1500 feet
- Distance: 1.3 NM to RW27
- Distance: 3 NM to RW27
- Distance: 4.4 NM to RW27
- Distance: 7.2 NM to RW27
- Distance: 4.2 NM to RW27

CATEGORY	A	B	C	D	E
LPV DA	286/18	200 (200-½)			
LNAV/VNAV DA	476/35	390 (400-⅝)			
LNAV MDA	560/24	474 (500-½)	560/50	474 (500-1)	

# AIRPORT DIAGRAM

GEORGE BUSH INTCNL/HOUSTON (IAH)  
HOUSTON, TEXAS



SC-5, 07 AUG 2025 to 02 OCT 2025

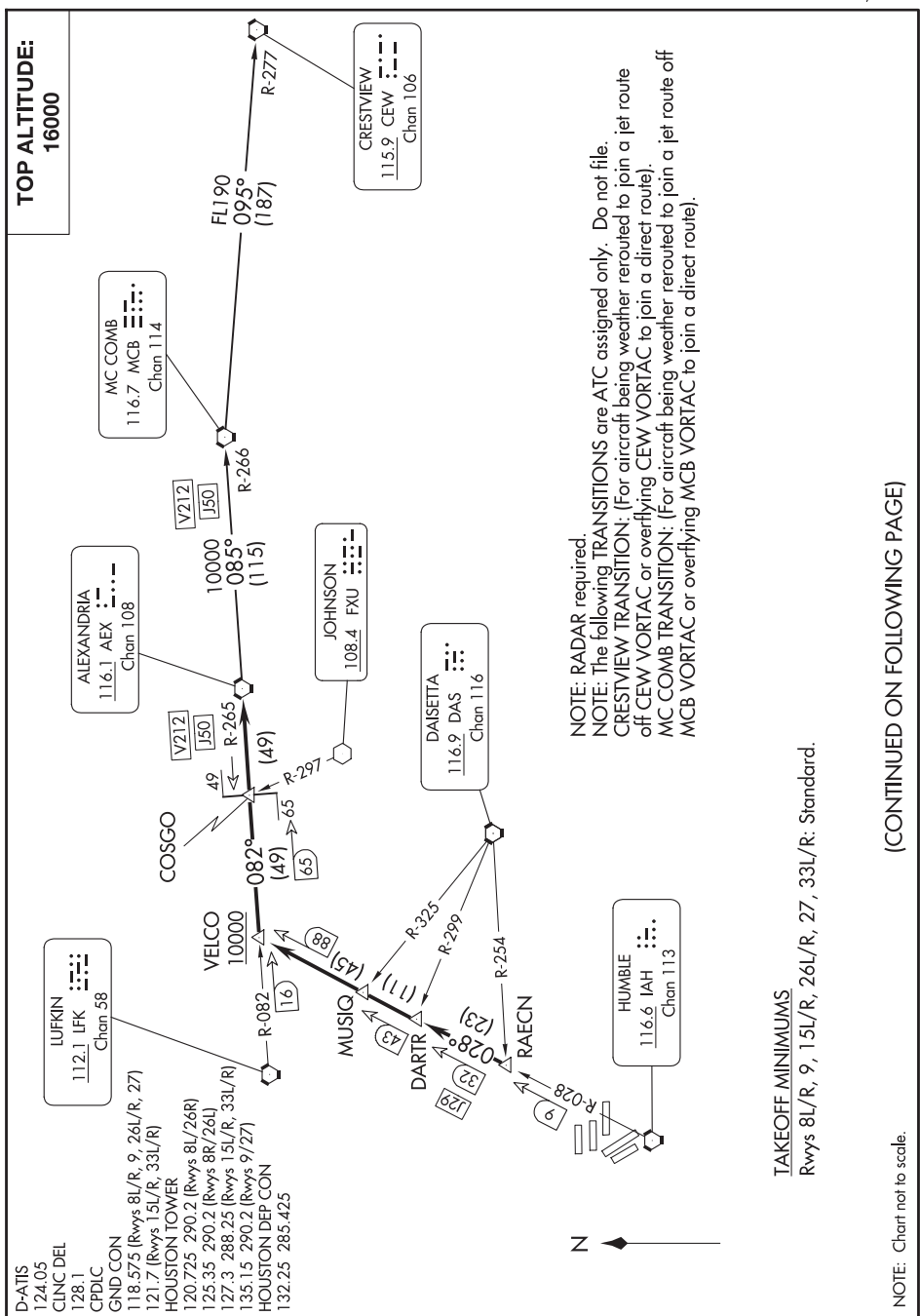
SC-5, 07 AUG 2025 to 02 OCT 2025

# AIRPORT DIAGRAM

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)

## ALEXANDRIA THREE DEPARTURE

HOUSTON, TEXAS



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to RAECN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

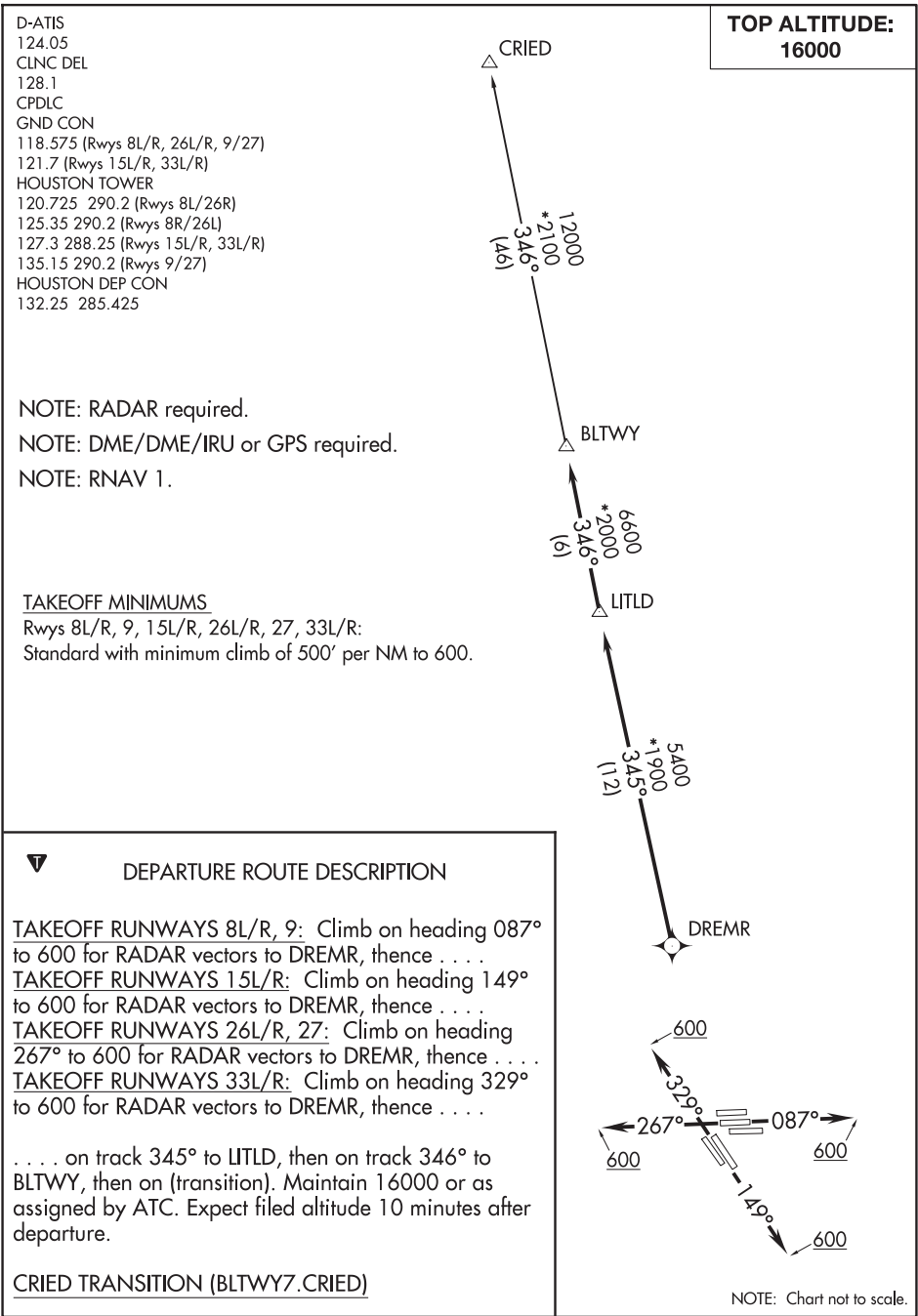
CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





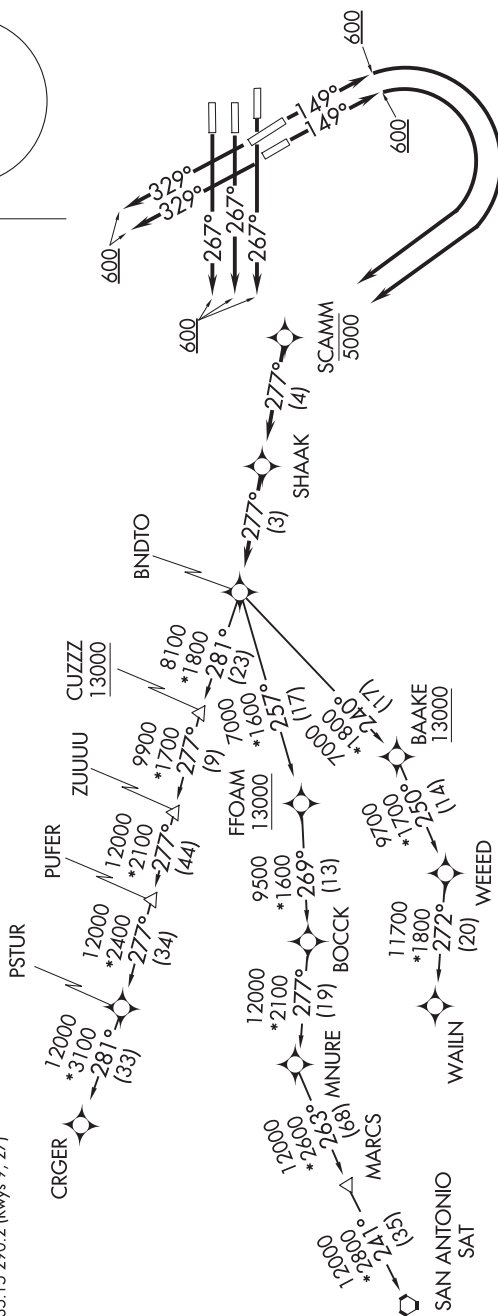
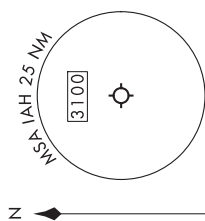
HOUSTON DEP CON  
126.675 339.8  
D-ATIS  
124.05  
CLINIC DEL  
128.1  
CPDLC  
GND CON  
1118.575 [Rwys 8L/R, 2, 2, 33]  
121.7 [Rwys 15L/R, 33]  
HOUSTON TOWER  
120.725 290.2 [Rwys  
125.35 290.2 [Rwys 8L  
127.3 288.25 [Rwys 1  
135.15 290.2 [Rwys 9  
137.1 290.2 [Rwys 10

RNAV 1 - DME/DME/IRU or GPS required.  
RADAR required.  
RADAR required for non - GPS equipped aircraft.

## TAKEOFF MINIMUMS

Rwys 15L/R, 26L/R, 27, 33L/R: Standard with minimum climb of 500'/NM to 1200.

NOTE: For use during west flow at LAH, for east flow file the PITZZ DEPARTURE.



**TOP ALTITUDE:**  
**16000**

HOUSTON, TEXAS

GEORGE BUSH INTCNTL/HOUSTON (IAH)

BNDTO SIX DEPARTURE (RNAV)  
(BNDTO6.BNDTO) 11JUL24



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then right turn direct to cross SCAMM at or below 5000, then on track 277° to SHAAK, thence . . . .

TAKEOFF RUNWAYS 26L/R, 27: Climb heading 267° to 600, expect RADAR vectors to SHAAK, thence . . . .

TAKEOFF RUNWAYS 33L/R: Climb heading 329° to 600, expect RADAR vectors to SHAAK, thence . . . .

. . . . on track 277° to BNDTO, then on (transition). Maintain 16000.  
Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BNDTO6.CRGER)

MNURE TRANSITION (BNDTO6.MNURE)

SAN ANTONIO TRANSITION (BNDTO6.SAT)

WAILN TRANSITION (BNDTO6.WAILN)

(CRIED1.CRIED) 24193

GEORGE BUSH INTCNL/HOUSTON (IAH)

# CRIED ONE DEPARTURE

AL-5461 (FAA)

HOUSTON, TEXAS

D-ATIS

124.05

CLNC DEL

128.1

CPDLC

GND CON

118.575 (Rwys 8L/R, 26L/R, 9/27)

121.7 (Rwys 15L/R, 33L/R)

HOUSTON TOWER

120.725 290.2 (Rwys 8L/26R)

125.35 290.2 (Rwys 8R/26L)

127.3 288.25 (Rwys 15L/R, 33L/R)

135.15 290.2 (Rwys 9/27)

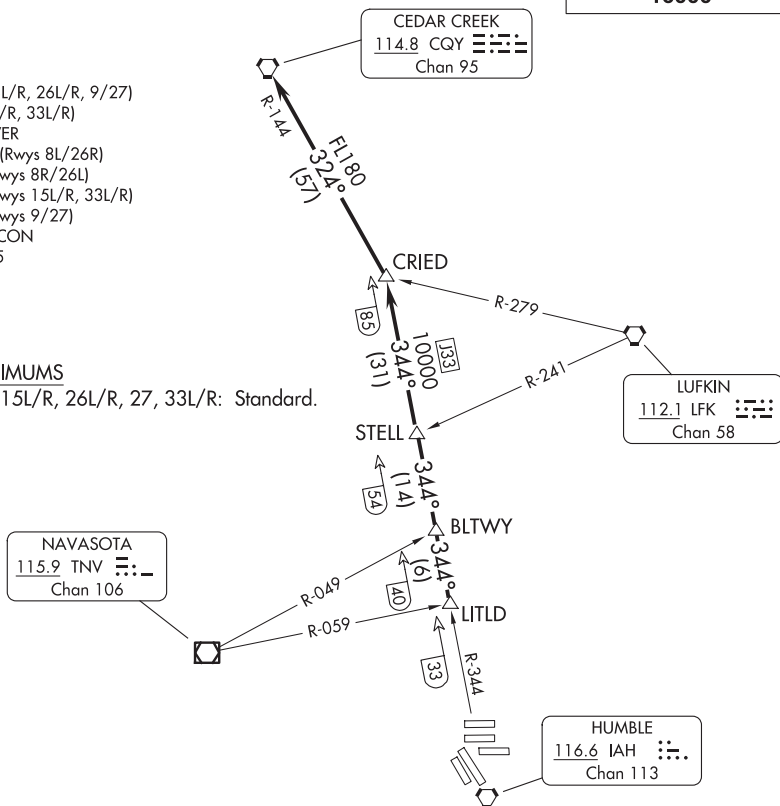
HOUSTON DEP CON

132.25 285.425

**TOP ALTITUDE:**  
**16000**

## TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.



NOTE: RADAR required.

NOTE: Chart not to scale.



## DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** Climb on assigned heading for RADAR vectors to LITLD INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .

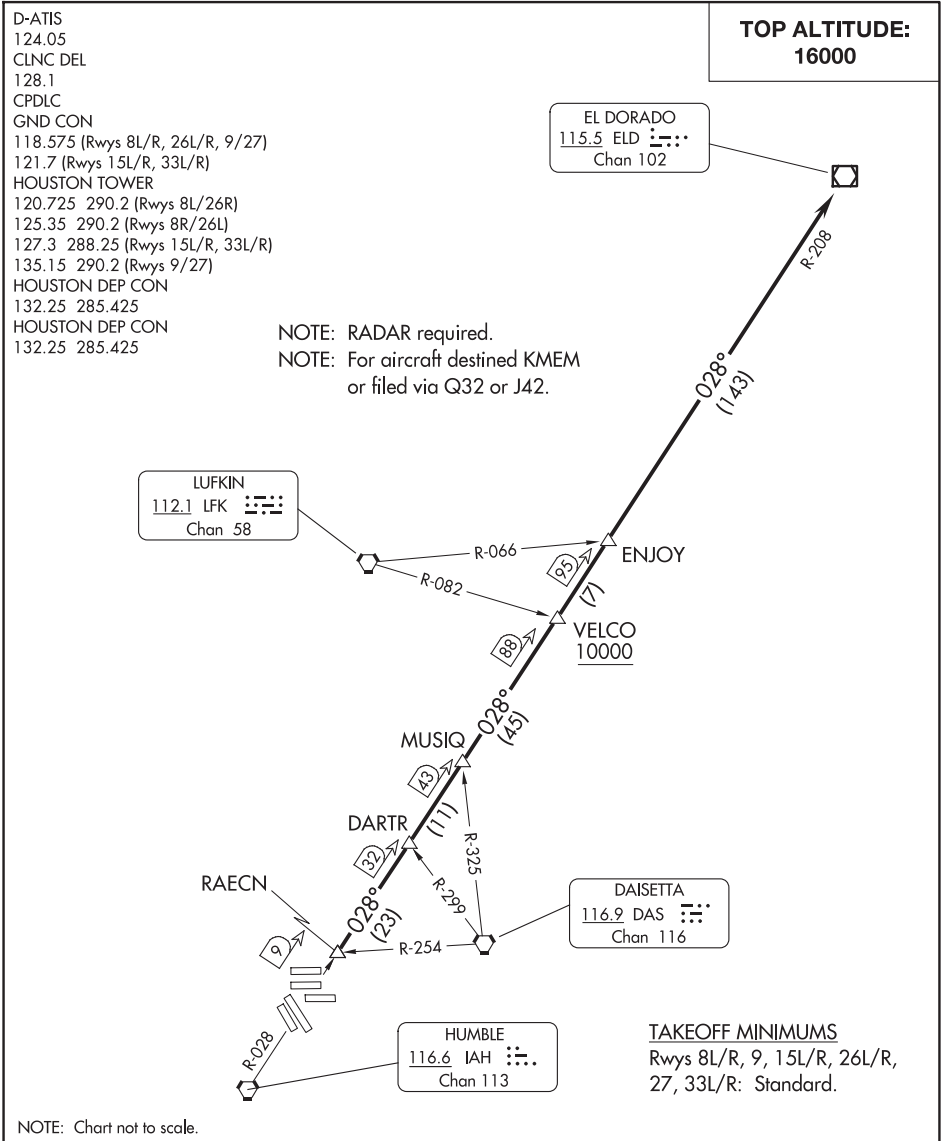
. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

# CRIED ONE DEPARTURE

(CRIED1.CRIED) 07OCT21

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to RAE CN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . .

. . . on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

(FLYZA5.FLYZA) 21112

GEORGE BUSH INTCNL/HOUSTON (IAH)

## FLYZA FIVE DEPARTURE (RNAV)

AL-5461 (FAA)

HOUSTON, TEXAS

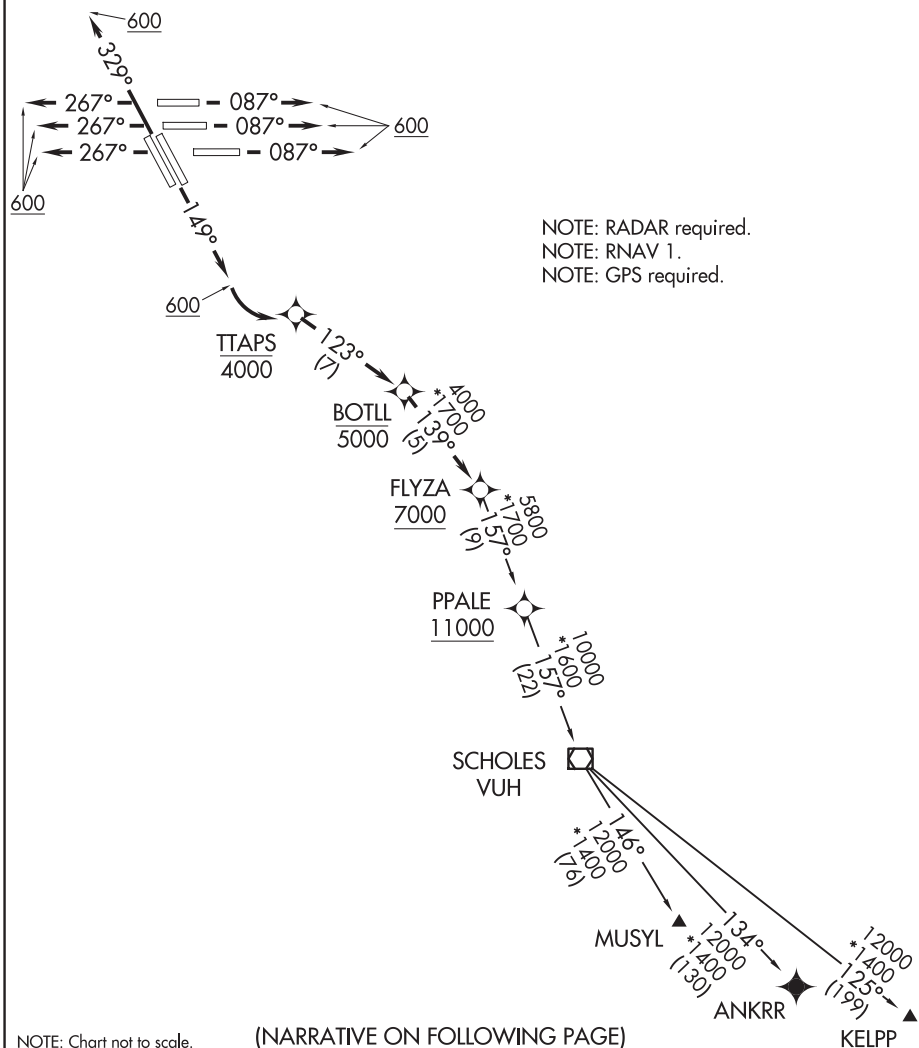
D-ATIS  
124.05  
CLNC DEL  
128.1  
CPDLC  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9, 27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L, 26R)  
125.35 290.2 (Rwys 8R, 26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9, 27)  
HOUSTON DEP CON  
127.125 269.075

**TOP ALTITUDE:**  
**16000**

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:

Standard with minimum climb of 500' per NM to 800.



FLYZA FIVE DEPARTURE (RNAV)

HOUSTON, TEXAS

(FLYZA5.FLYZA) 15SEP16

GEORGE BUSH INTCNL/HOUSTON (IAH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb heading 087° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then left turn direct to cross TTAPS at or below 4000, then on track 123° to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 26L/R, 27: Climb heading 267° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 33L/R: Climb heading 329° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence . . . .

. . . . on track 139° to cross FLYZA at or above 7000, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

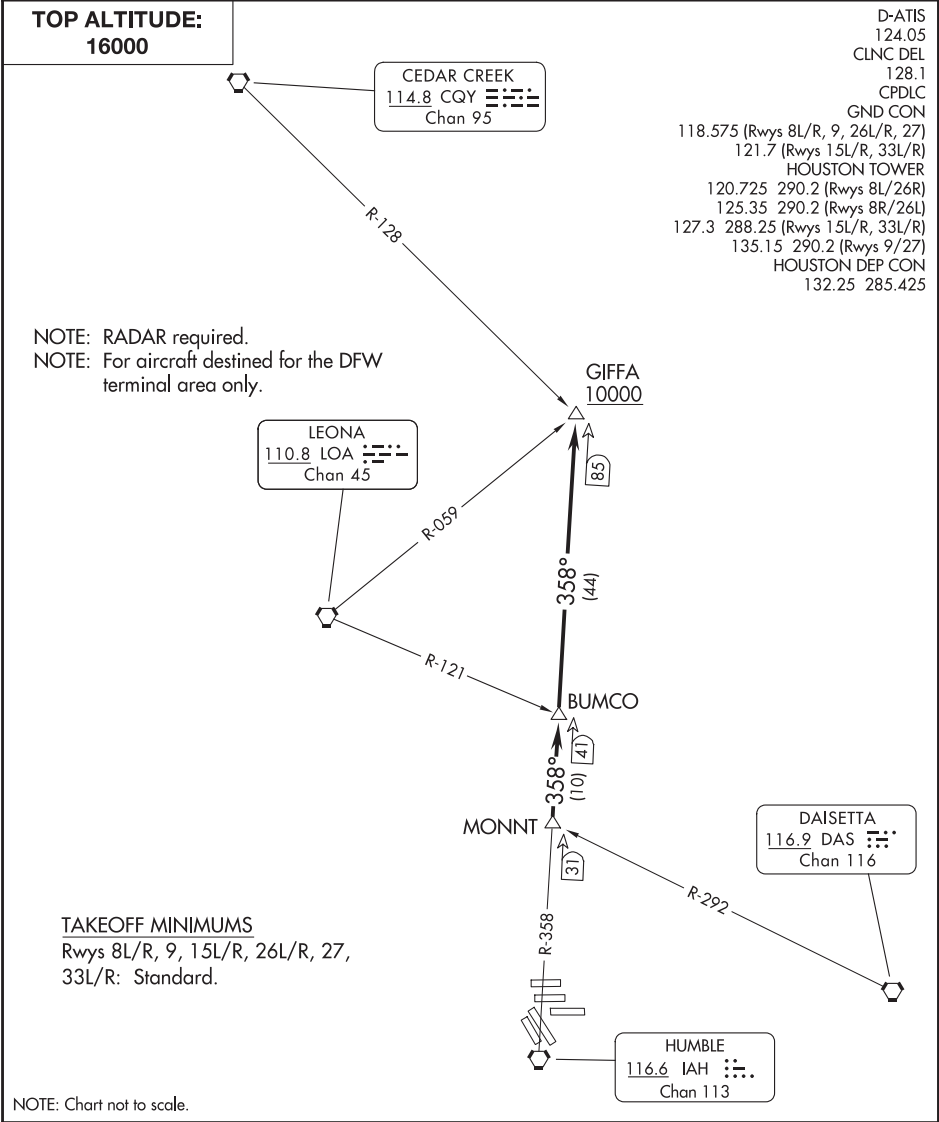
- ANKRR TRANSITION (FLYZA5.ANKRR)
- KELPP TRANSITION (FLYZA5.KELPP)
- MUSYL TRANSITION (FLYZA5.MUSYL)

(GIFFA1.GIFFA) 24193

GIFFA ONE DEPARTURE


AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)  
HOUSTON, TEXAS



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



### DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** Climb on assigned heading for RADAR vectors to MONNT INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . .

. . . on IAH R-358 to cross GIFFA INT at or above 10000.

GIFFA ONE DEPARTURE

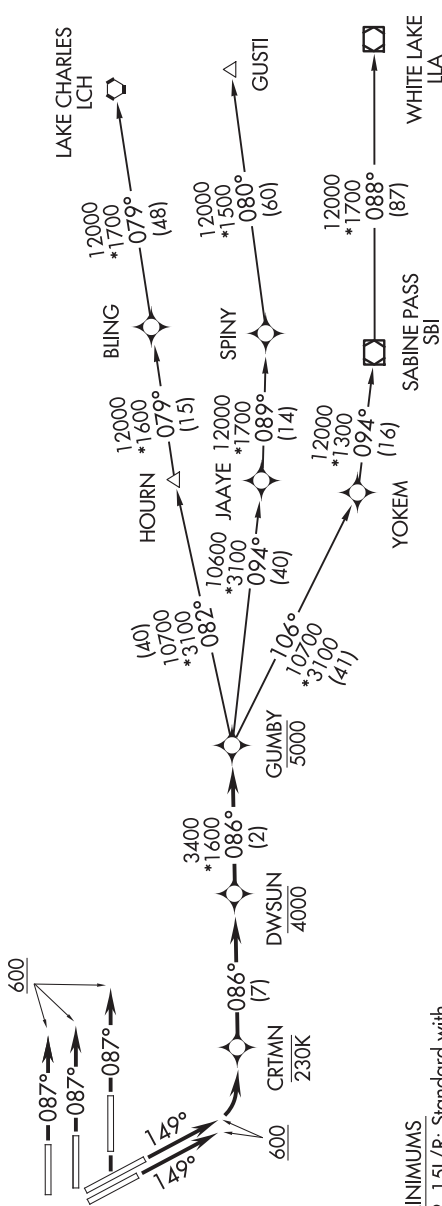
(GIFFA1.GIFFA) 07OCT21

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)



TOP ALTITUDE:  
16000

D-ATIS 124.05  
CLNC DEL 128.1  
CPDLC  
GND CON 118.575 (Rwys 8L/R, 26L/R, 9, 27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER 120.725 290.2 (Rwys 8L, 26R)  
125.35 290.2 (Rwys 8R, 26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9, 27)  
HOUSTON DEP CON 127.125 269.075



TAKEOFF MINIMUMS  
Rwy 8L/R, 9, 15L/R: Standard with  
minimum climb of 500' per NM to 1700.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS Required.  
NOTE: RNAV 1.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb heading 087° to 600, expect RADAR vectors to cross DWSUN at or below 4000, thence. . . .

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then left turn direct CRTMN, then on track 086° to cross DWSUN at or below 4000, thence. . . .

. . . .on track 086° to cross GUMBY at or below 5000, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

- GUSTI TRANSITION (GUMBY3.GUSTI)
- LAKE CHARLES TRANSITION (GUMBY3.LCH)
- WHITE LAKE TRANSITION (GUMBY3.LLA)

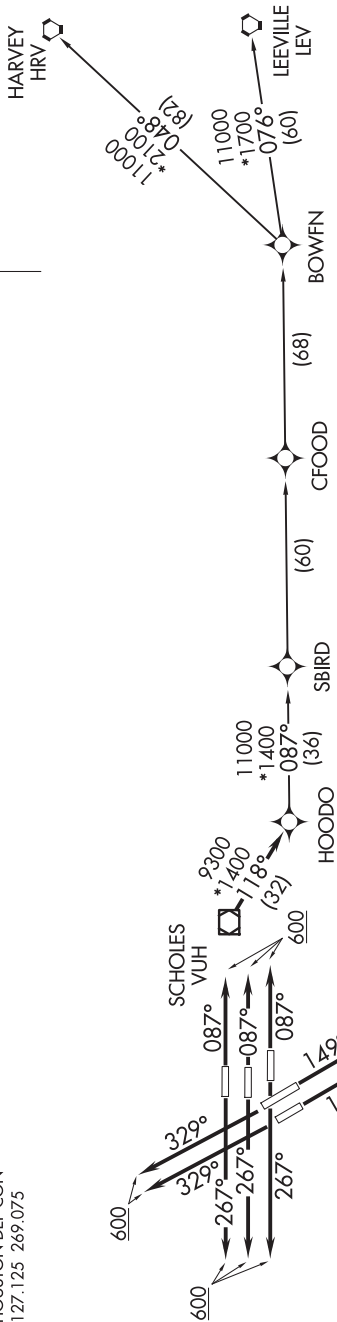
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

127.125 269.075

**TOP ALTITUDE:**  
**16000**

**Z** 



## TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:

Standard with minimum climb of 500' per NM to 600.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600, for RADAR vectors to VUH VOR/DME, thence . . . .

TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600, for RADAR vectors to VUH VOR/DME, thence . . . .

TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600, for RADAR vectors to VUH VOR/DME, thence . . . .

TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600, for RADAR vectors to VUH VOR/DME, thence . . . .

. . . . on track 118° to HOODO, then on (transition). Maintain 16000.  
Expect filed altitude 10 minutes after departure.

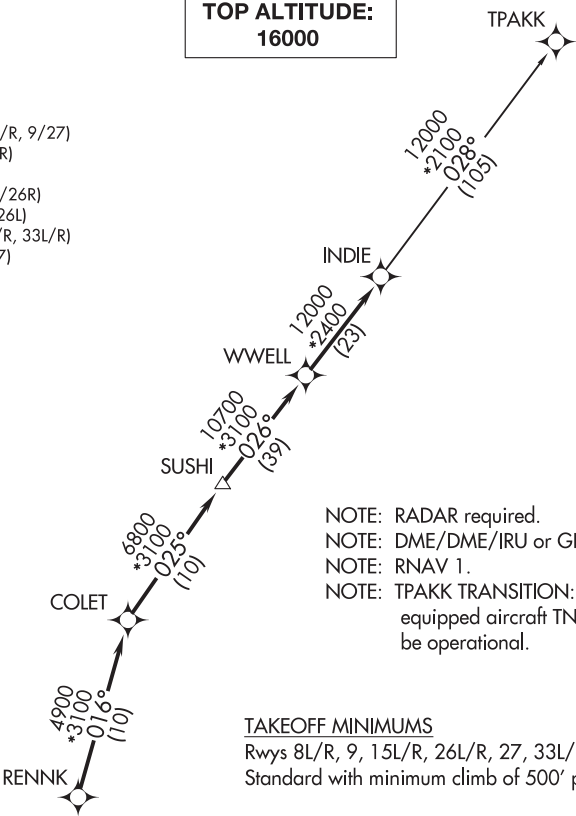
- BOWFN TRANSITION (HOODO7.BOWFN)
- CFOOD TRANSITION (HOODO7.CFOOD)
- HARVEY TRANSITION (HOODO7.HRV)
- LEEVILLE TRANSITION (HOODO7.LEV)
- SBIRD TRANSITION (HOODO7.SBIRD)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

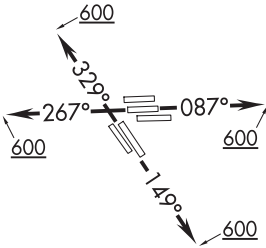
D-ATIS  
124.05  
CLNC DEL  
128.1  
CPDLC  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9/27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L/26R)  
125.35 290.2 (Rwys 8R/26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9/27)  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000



NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS equipped aircraft TNV DME must be operational.

TAKEOFF MINIMUMS  
Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:  
Standard with minimum climb of 500' per NM to 600.



NOTE: Chart not to scale.

▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600 for RADAR vectors to RENNK, thence . . .

TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600 for RADAR vectors to RENNK, thence . . .

TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600 for RADAR vectors to RENNK, thence . . .

TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600 for RADAR vectors to RENNK, thence . . .

. . . on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

(JCT1..JCT) 24137

GEORGE BUSH INTCNTL/HOUSTON (IAH)

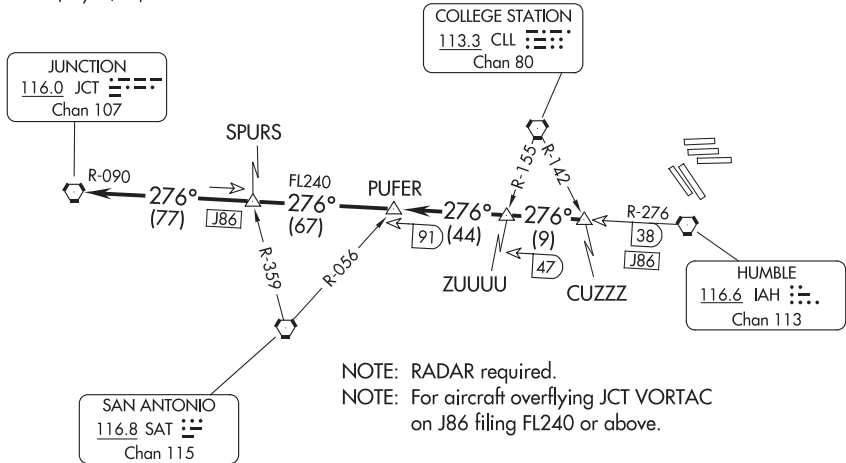
JUNCTION ONE DEPARTURE

AL-5461 (FAA)

HOUSTON, TEXAS

D-ATIS 124.05  
CLNC DEL 128.1  
CPDLC  
HOUSTON DEP CON  
126.675 339.8  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9/27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L/26R)  
125.35 290.2 (Rwys 8R/26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9/27)

TOP ALTITUDE:  
16000



TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to CUZZZ INT. Maintain 16000. Expect filed altitude 10 minutes after departure. Thence . . .

. . . on IAH R-276 and JCT R-090 to JCT VORTAC.

JUNCTION ONE DEPARTURE

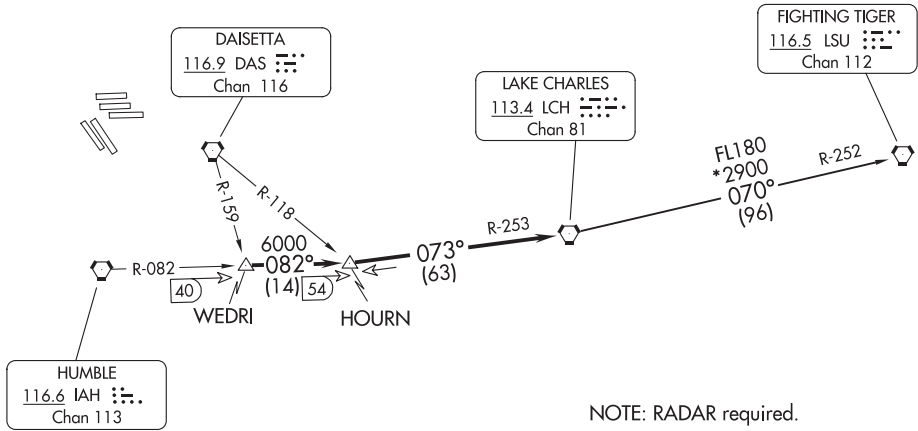
(JCT1..JCT) 22JUN17

HOUSTON, TEXAS

GEORGE BUSH INTCNTL/HOUSTON (IAH)

D-ATIS 124.05  
CLNC DEL 128.1  
CPDLC  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9/27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L/26R)  
125.35 290.2 (Rwys 8R/26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9/27)  
HOUSTON DEP CON  
127.125 269.075

TOP ALTITUDE:  
16000



NOTE: Chart not to scale.

V

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for RADAR vectors to WEDRI INT, maintain 16000.  
Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-082 to HOUN INT, then on LCH R-253 to LCH VORTAC.

FIGHTING TIGERS TRANSITION (LCH5.LSU): From over LCH VORTAC on LCH R-070 and LSU R-252 to LSU VORTAC.

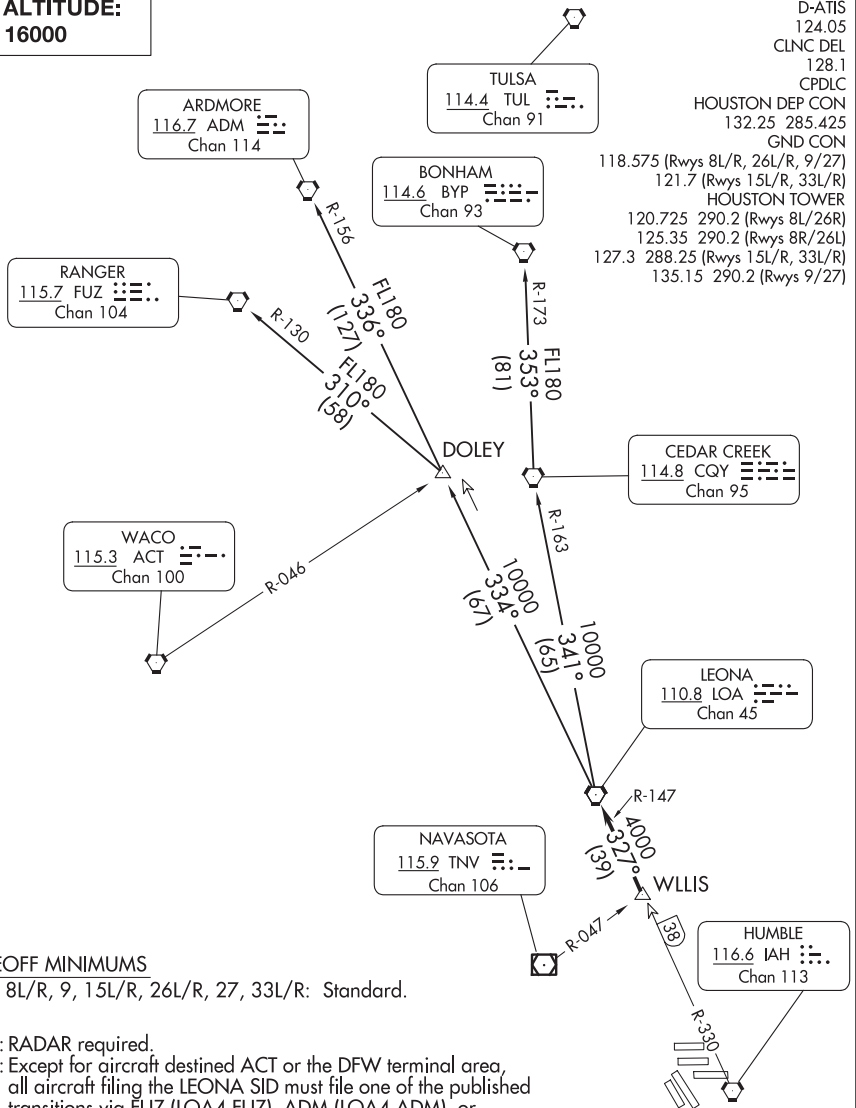
(LOA4.LOA) 24137

## LEONA FOUR DEPARTURE

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)

HOUSTON, TEXAS

**TOP ALTITUDE:  
16000**

D-ATIS  
124.05  
CLNC DEL  
128.1  
CPDLC  
HOUSTON DEP CON  
132.25 285.425  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9/27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L/26R)  
125.35 290.2 (Rwys 8R/26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9/27)

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

**LEONA FOUR DEPARTURE**  
(LOA4.LOA) 07OCT21

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)





DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to WLLIS INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(LFK3.LFK) 24137

LUFKIN THREE DEPARTURE

AL-5461 (FAA) GEORGE BUSH INTCNL/HOUSTON (IAH)  
HOUSTON, TEXAS

D-ATIS  
124.05  
CLNC DEL  
128.1  
CPDLC  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9/27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L/26R)  
125.35 290.2 (Rwys 8R/26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9/27)  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58

SKIP

5000

023°

(6)

R-203

023°

(39)

R-203

023°

(10)

R-203

023°

(48)

R-203

013°

(12)

R-203

013°

(37)

R-203

013°

(19)

R-013

SUSHI

COLET

KYANN

HUMBLE

DAISETTA

116.6 IAH

Chan 113

116.9 DAS

Chan 116

TAKEOFF MINIMUMS:

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION	
<p><u>TAKEOFF ALL RUNWAYS:</u> Climb on assigned heading for RADAR vectors to KYANN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .</p> <p>. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.</p> <p><u>LITTLE ROCK TRANSITION (LFK3.LIT):</u> From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.</p>	

(LURIC8.LURIC) 21280

LURIC EIGHT DEPARTURE (RNAV)

AL-5461 (FAA)

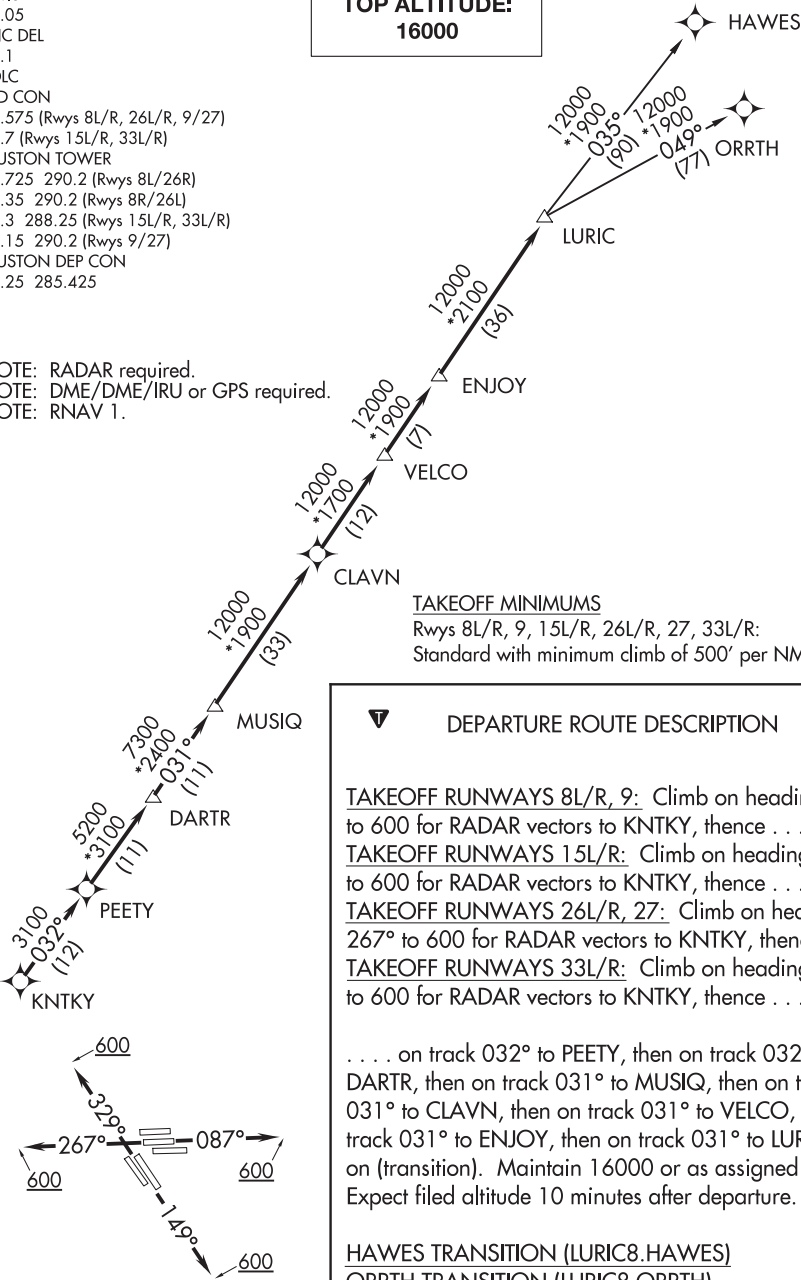
GEORGE BUSH INTCNL/HOUSTON (IAH)

HOUSTON, TEXAS

D-ATIS  
124.05  
CLNC DEL  
128.1  
CPDLC  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9/27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L/26R)  
125.35 290.2 (Rwys 8R/26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9/27)  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)

(LURIC8.LURIC) 07OCT21

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

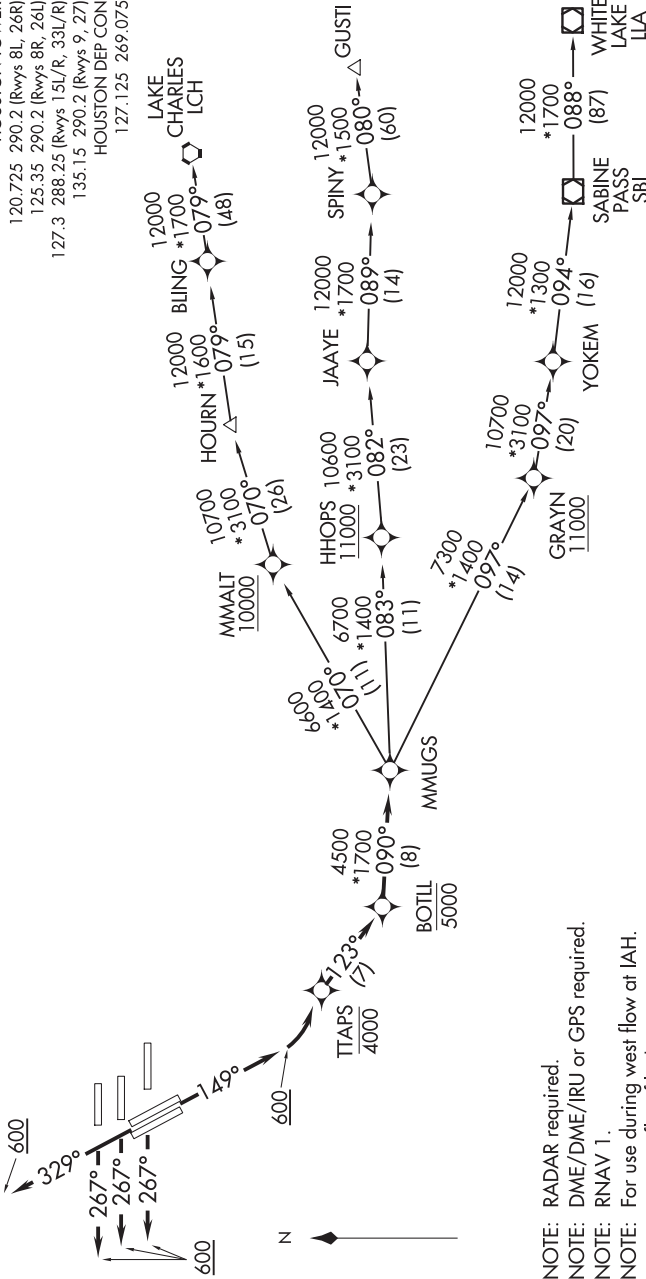
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:  
16000

TAKEOFF MINIMUMS  
Rwys 15L/R, 26L/R, 27, 33L/R: Standard  
with minimum climb of 500' per NM to 800.

D-ATIS  
124.05  
CLNC DEL  
128.1  
CPDLC  
GND CON  
118.575 (Rwys 8L/R, 26L/R, 9, 27)  
121.7 (Rwys 15L/R, 33L/R)  
HOUSTON TOWER  
120.725 290.2 (Rwys 8L, 26R)  
125.35 290.2 (Rwys 8R, 26L)  
127.3 288.25 (Rwys 15L/R, 33L/R)  
135.15 290.2 (Rwys 9, 27)  
HOUSTON DEP CON  
127.125 269.075



NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: For use during west flow at IAH.  
For east flow file the GUMBY RNAV DEPARTURE.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then left turn direct to cross TTAPS at or below 4000, then on track 123° to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 26L/R, 27: Climb heading 267° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 33L/R: Climb heading 329° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence . . . .

. . . . on track 090° to MMUGS, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMUGS4.GUSTI)

LAKE CHARLES TRANSITION (MMUGS4.LCH)

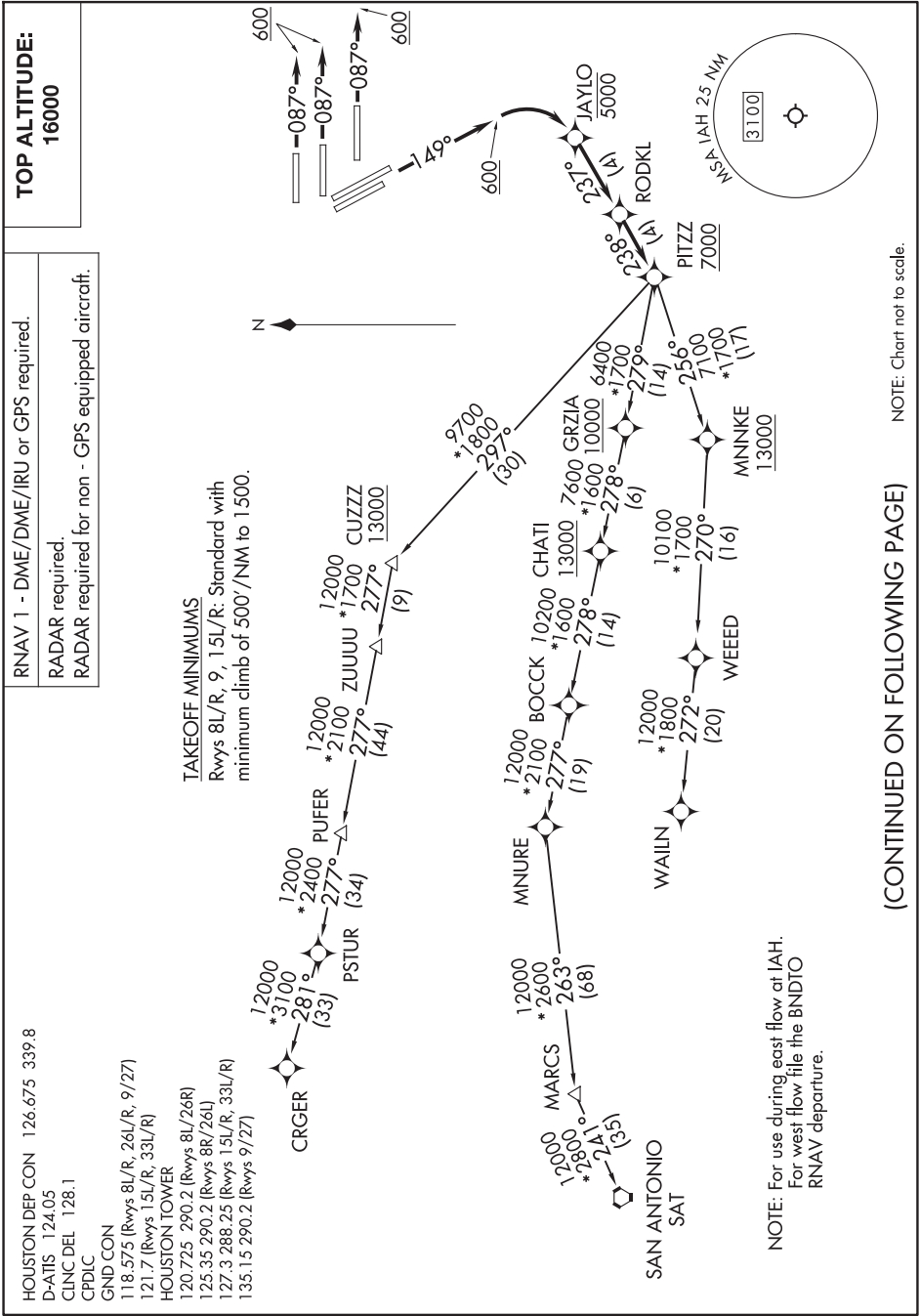
WHITE LAKE TRANSITION (MMUGS4.LLA)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(PITZZ5.PITZZ) 25051  
PITZZ FIVE DEPARTURE (RNAV)

GEORGE BUSH INTCNL/HOUSTON (IAH)  
AL-5461 (FAA)  
HOUSTON, TEXAS



(CONTINUED ON FOLLOWING PAGE)

PITZZ FIVE DEPARTURE (RNAV)  
(PITZZ5.PITZZ) 11JUL24

HOUSTON, TEXAS  
GEORGE BUSH INTCNL/HOUSTON (IAH)



DEPARTURE ROUTE DESCRIPTION

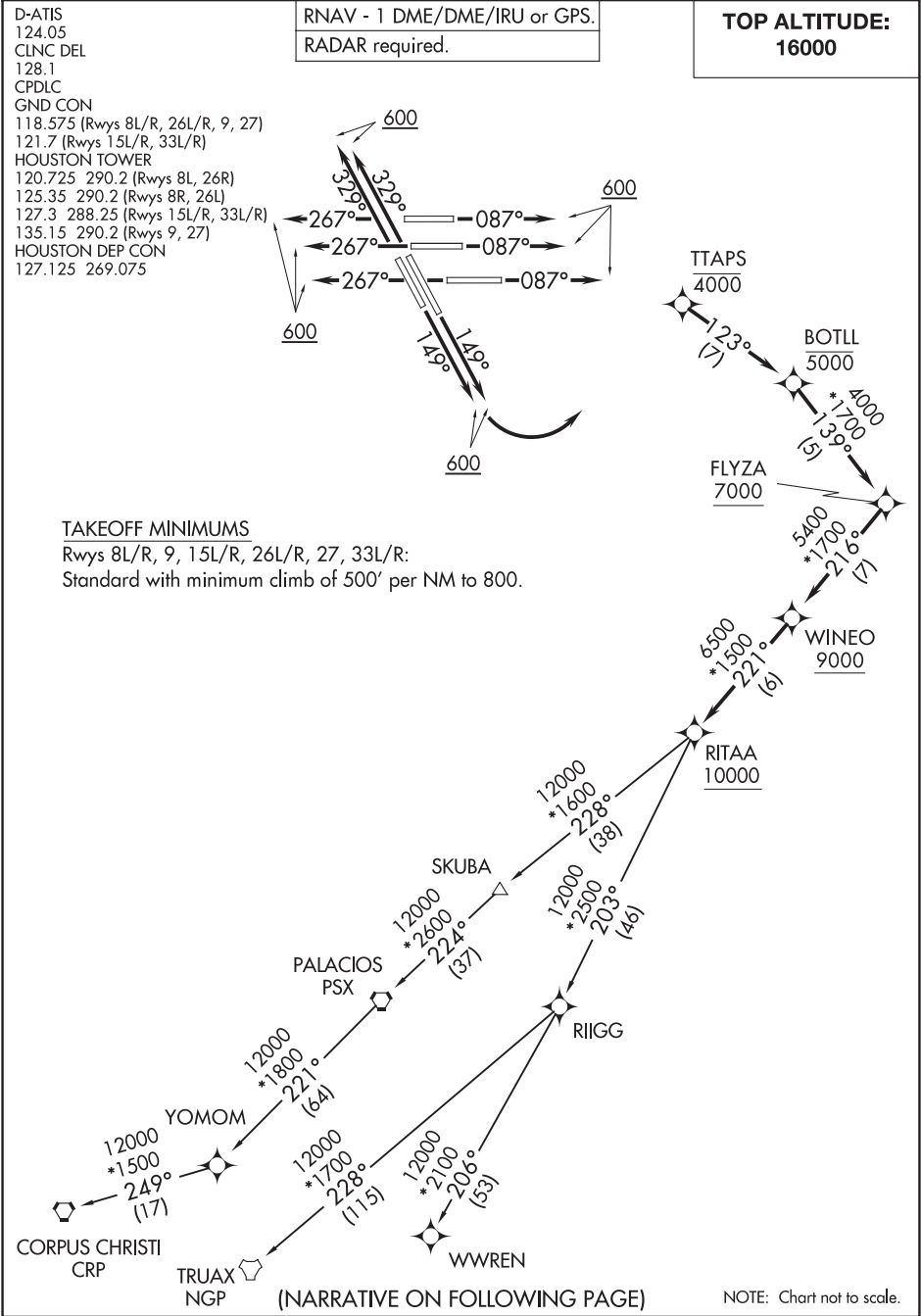
TAKEOFF RUNWAYS 8L/R, 9: Climb heading 087° to 600, expect RADAR vectors to RODKL, thence. . . .

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then right turn direct to cross JAYLO at or below 5000, then on track 237° to RODKL, thence. . . .

. . . .on track 238° to cross PITZZ at or above 7000, then on (transition).  
Maintain 16000. Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (PITZZ5.CRGER)
- MNURE TRANSITION (PITZZ5.MNURE)
- SAN ANTONIO TRANSITION (PITZZ5.SAT)
- WALIN TRANSITION (PITZZ5.WALIN)







DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600, for RADAR vectors to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600, then left turn direct to cross TTAPS at or below 4000, then on track 123° to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600, for RADAR vectors to cross BOTLL at or below 5000, thence . . . .

TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600, for RADAR vectors to cross BOTLL at or below 5000, thence . . . .

. . . . on track 139° to cross FLYZA at or above 7000, then on track 216° to cross WINEO at or above 9000, then on track 221° to cross RITAA at or above 10000, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (RITAA7.CRP)

PALACIOS TRANSITION (RITAA7.PSX)

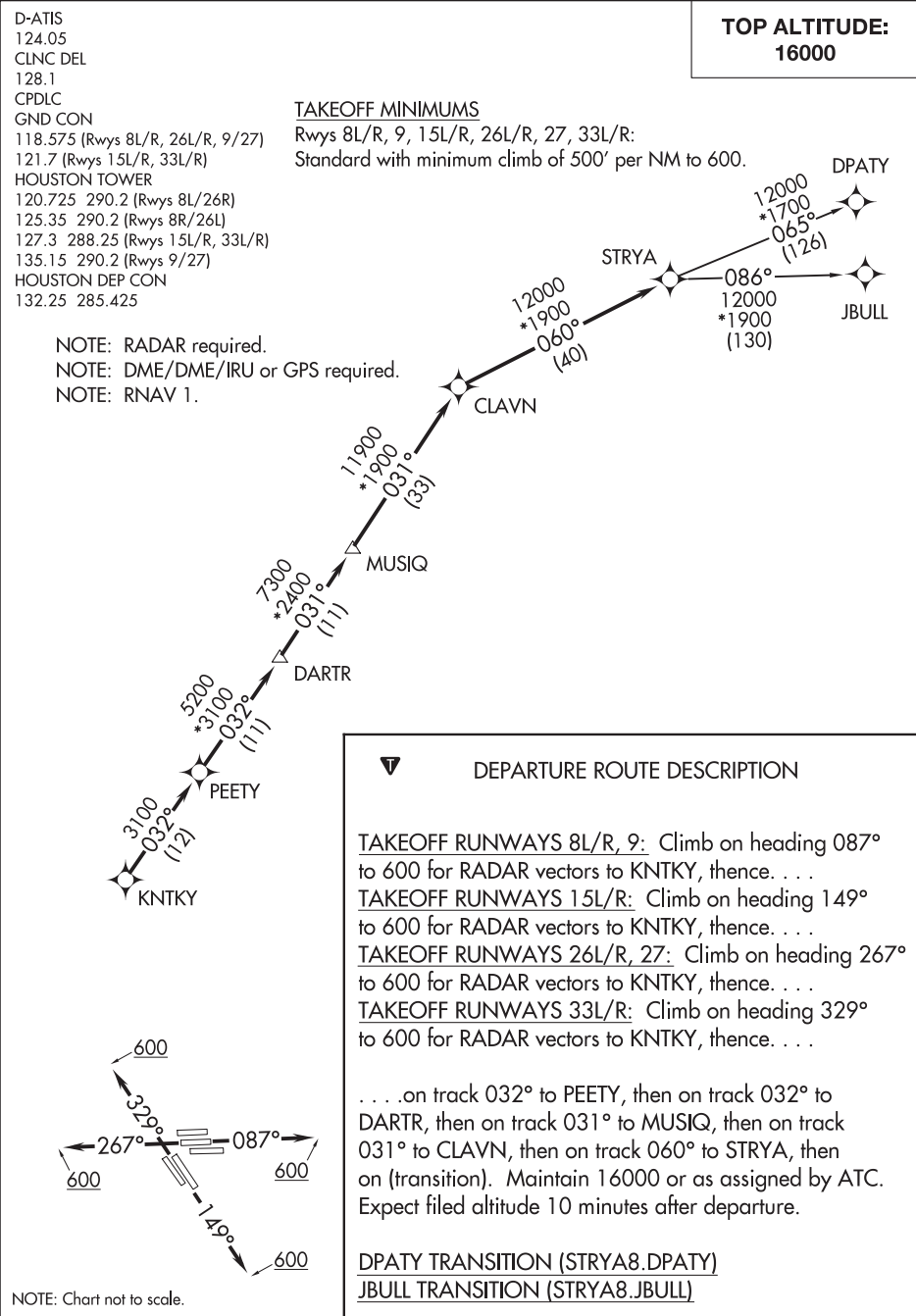
TRUAX TRANSITION (RITAA7.NGP)

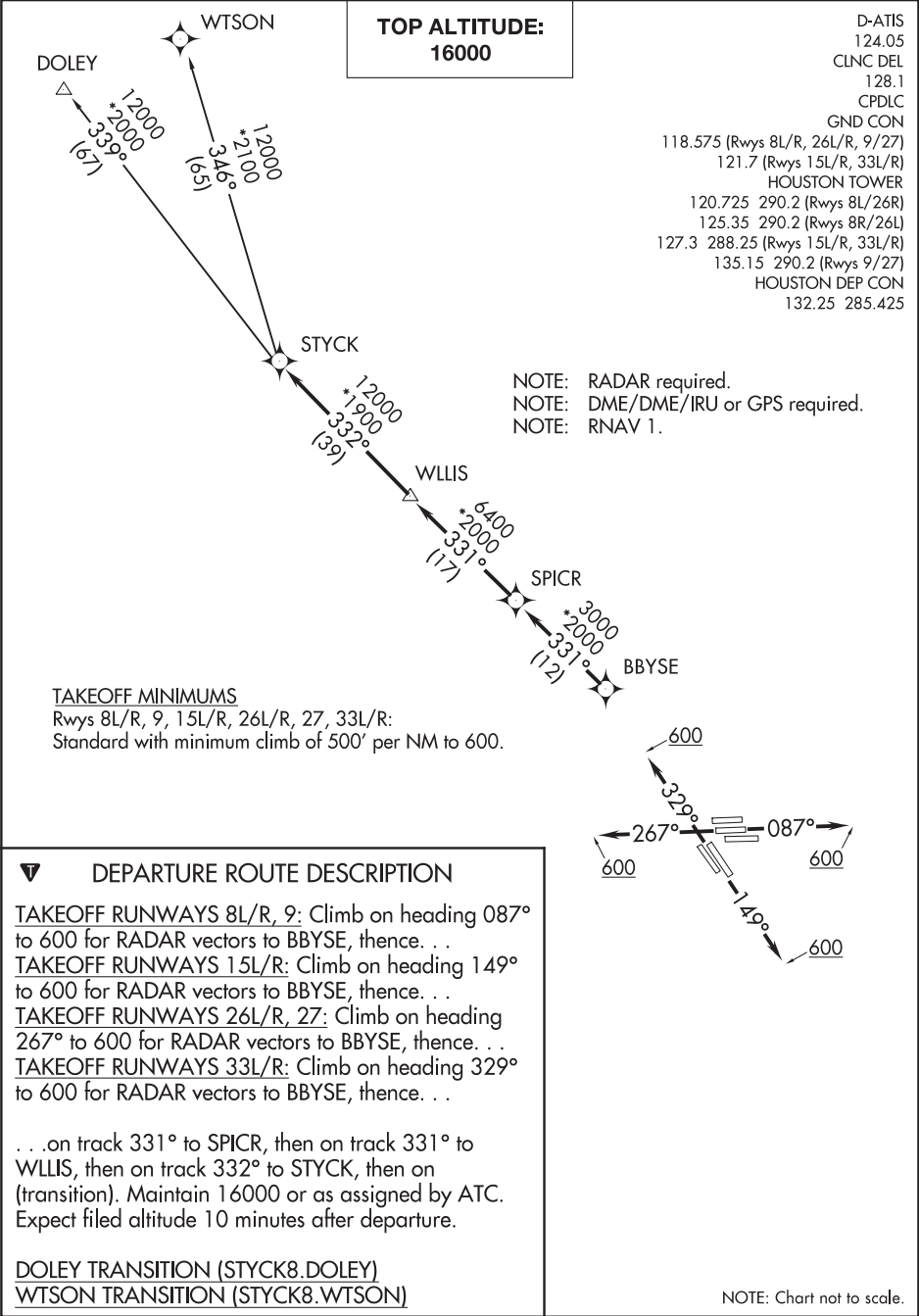
WWREN TRANSITION (RITAA7.WWREN)

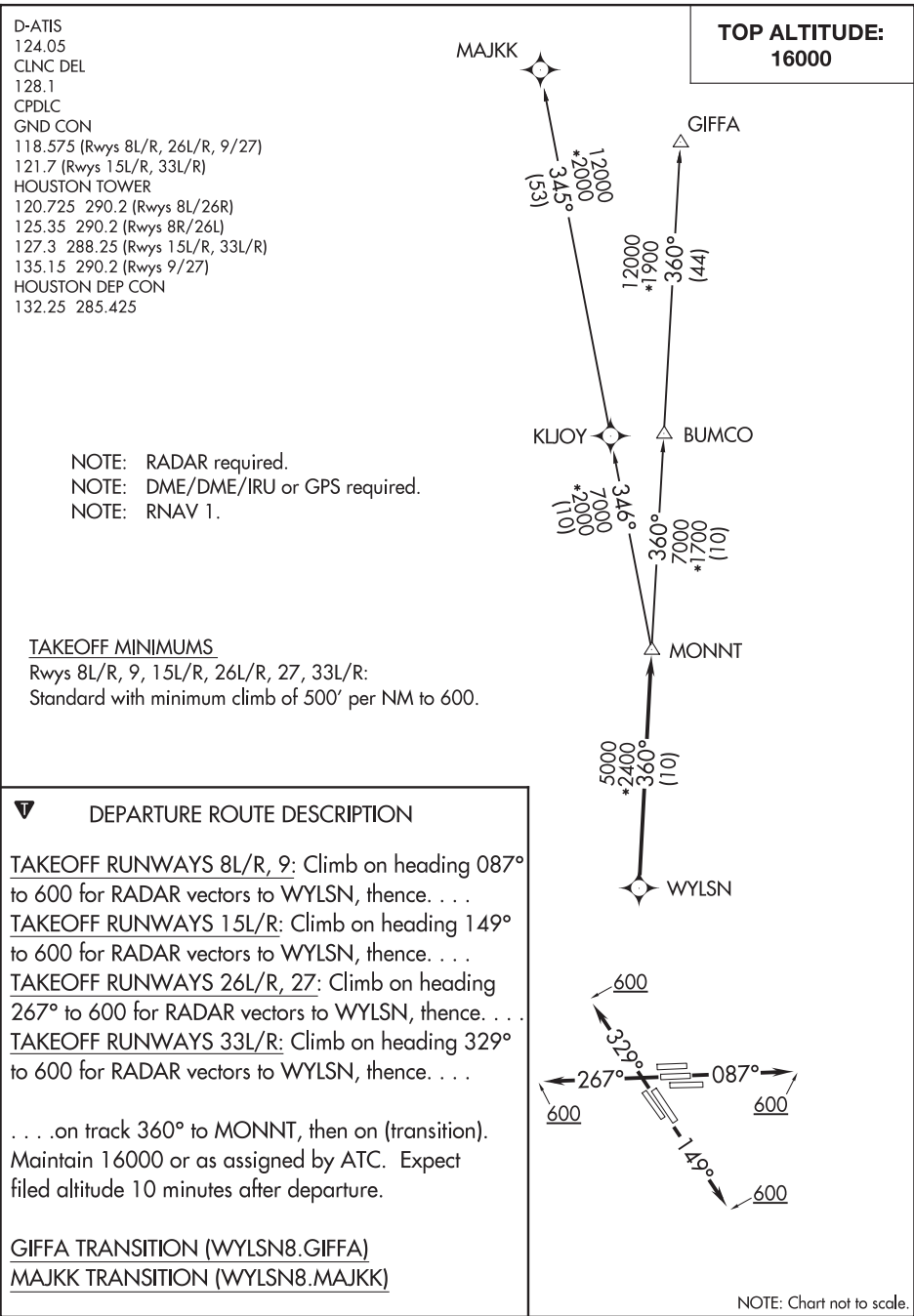
YOMOM TRANSITION (RITAA7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025







HOUSTON, TEXAS

AL-10328 (FAA)

24361

WAAS CH <b>49004</b> <b>W18A</b>	APP CRS <b>175°</b>	Rwy Idg <b>6610</b> TDZE <b>166</b> Apt Elev <b>166</b>
--	------------------------	---

RNAV (GPS) RWY 18

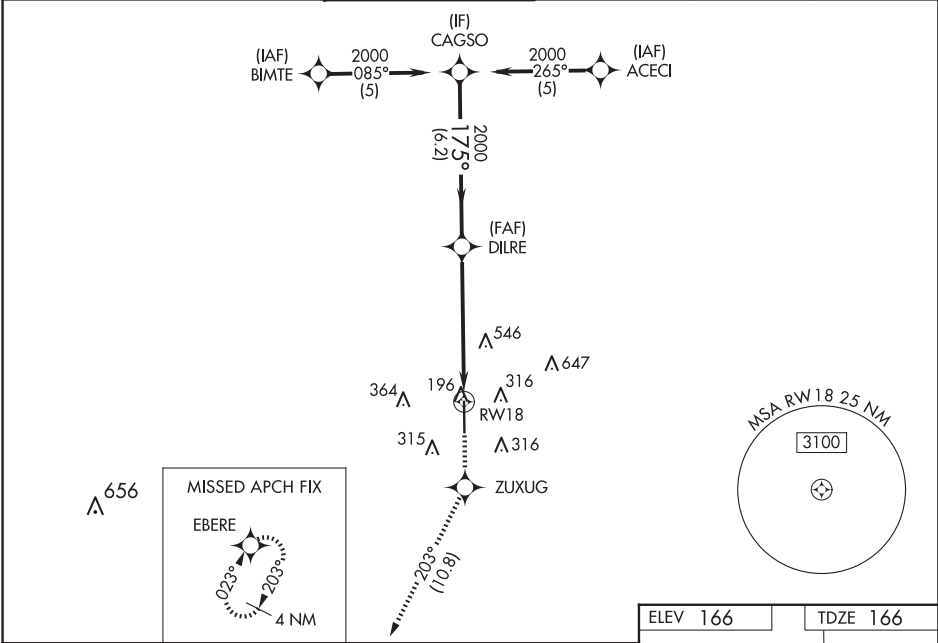
HOUSTON EXEC (TME)

RNP APCH - GPS.

▼ Baro-VNAV NA when using David Wayne Hooks Meml altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 48°C. VDP NA when using David Wayne Hooks Meml altimeter setting. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use David Wayne Hooks Meml altimeter setting and increase all DA 57 feet and all MDA 60 feet; increase LNAV/VNAV all Cats and LNAV Cat C/D visibility ¼ mile, and Circling Cat C/D visibility ¼ mile.

▲ MISSED APPROACH: Climb to 2000 direct ZUXUG and on track 203° to EBERE and hold.

ATIS <b>119.525</b>	HOUSTON APP CON <b>123.8 257.7</b>	EXECUTIVE TOWER ★ <b>126.975 (CTAF) ①</b>	GND CON <b>132.075</b>	CLNC DEL <b>132.075</b>	UNICOM <b>122.975</b>
------------------------	---------------------------------------	--	---------------------------	----------------------------	--------------------------



2000

CAGSO

2000

DILRE

GP 3.00°

TCH 40

6.2 NM

3.7 NM

1.8

2000

ZUXUG

tr 203°

EBERE

1.8 NM to RW18

RW18

CATEGORY	A	B	C	D
LPV DA	416-1 250 (300-1)			
LNAV/VNAV DA	708-2 542 (600-2)			
LNAV MDA	780-1 614 (700-1)	780-1¾ 614 (700-1¾)		
CIRCLING	820-1 654 (700-1)	860-2 694 (700-2)	1000-2¾ 834 (900-2¾)	

REIL Rwys 18-36 ①

MIRL Rwy 18-36 ①

ELEV 166

TDZE 166

175°

81 ④

001 X 0199

36

TWR

Star

WAAS CH <b>97504</b> <b>W36A</b>	APP CRS <b>355°</b>	Rwy Idg <b>6610</b> TDZE <b>164</b> Apt Elev <b>166</b>
--	------------------------	---

RNAV (GPS) RWY 36

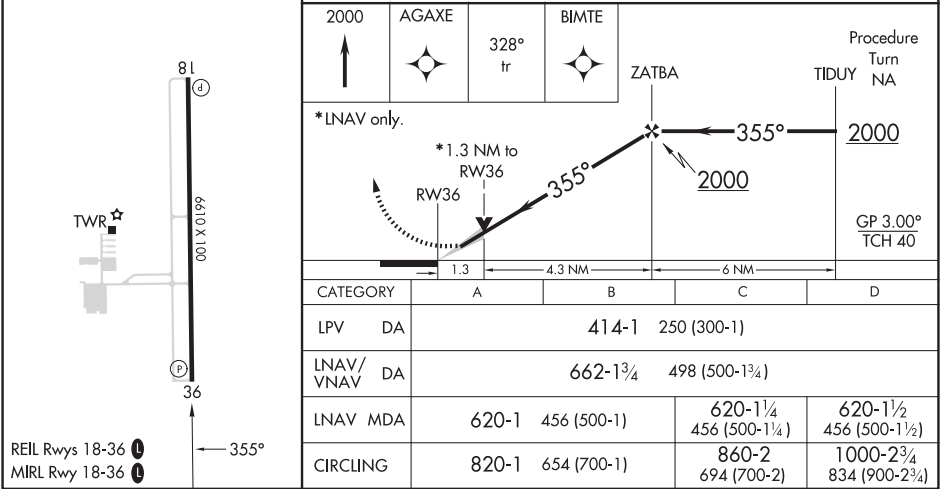
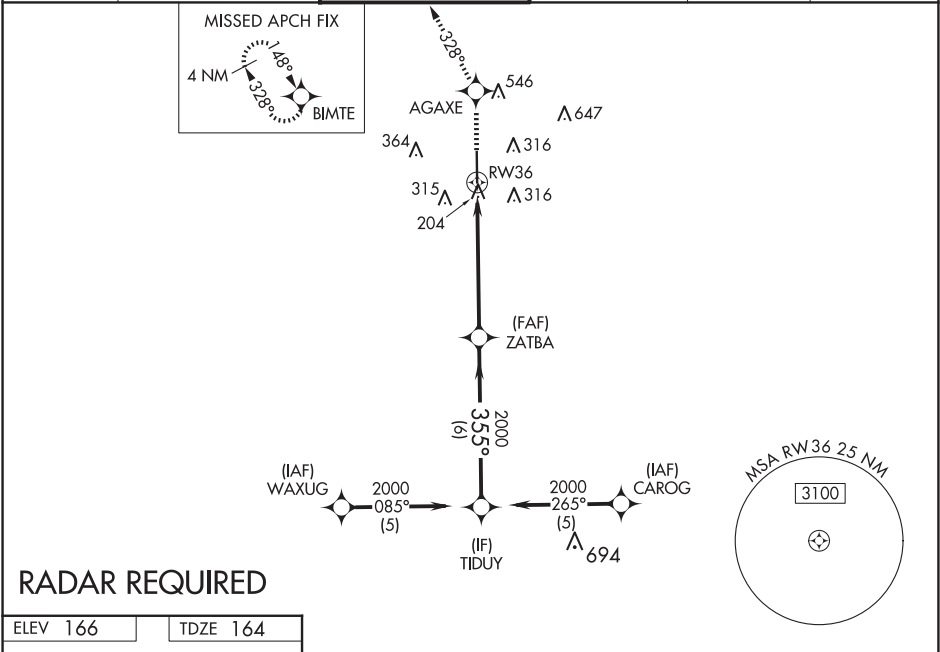
HOUSTON EXEC (TME)

RNP APCH - GPS.

▼ Baro-VNAV NA when using David Wayne Hooks Meml altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C and above 48°C. VDP NA when using David Wayne Hooks Meml altimeter setting. When local altimeter setting not received, use David Wayne Hooks Meml altimeter setting and increase LPV DA to 471 feet, LNAV/VNAV DA to 719 feet; increase all MDA 60 feet. Increase LNAV/VNAV visibility ¼ mile all Cats and LNAV and circling Cat C/D ¼ mile.

▲ MISSED APPROACH: Climb to 2000 direct AGAXE and via 328° track to BIMTE and hold.

ATIS <b>119.525</b>	HOUSTON APP CON <b>123.8 257.7</b>	EXECUTIVE TOWER ★ <b>126.975 (CTAF) 0</b>	GND CON <b>132.075</b>	CLNC DEL <b>132.075</b>	UNICOM <b>122.975</b>
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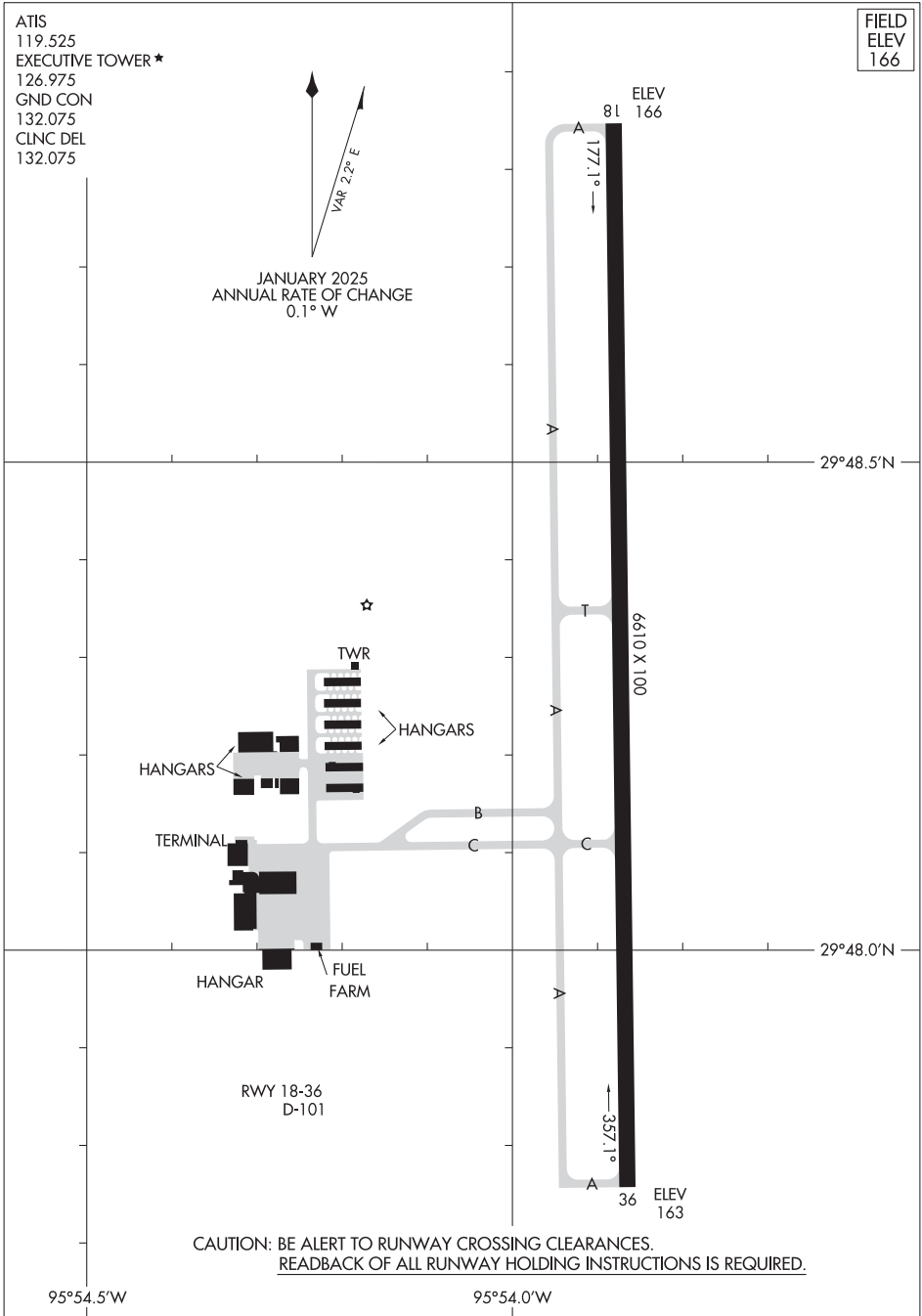
ATIS  
119.525  
EXECUTIVE TOWER ★  
126.975  
GND CON  
132.075  
CLNC DEL  
132.075

FIELD  
ELEV  
166

VAR 2.2° E  
JANUARY 2025  
ANNUAL RATE OF CHANGE  
0.1° W

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

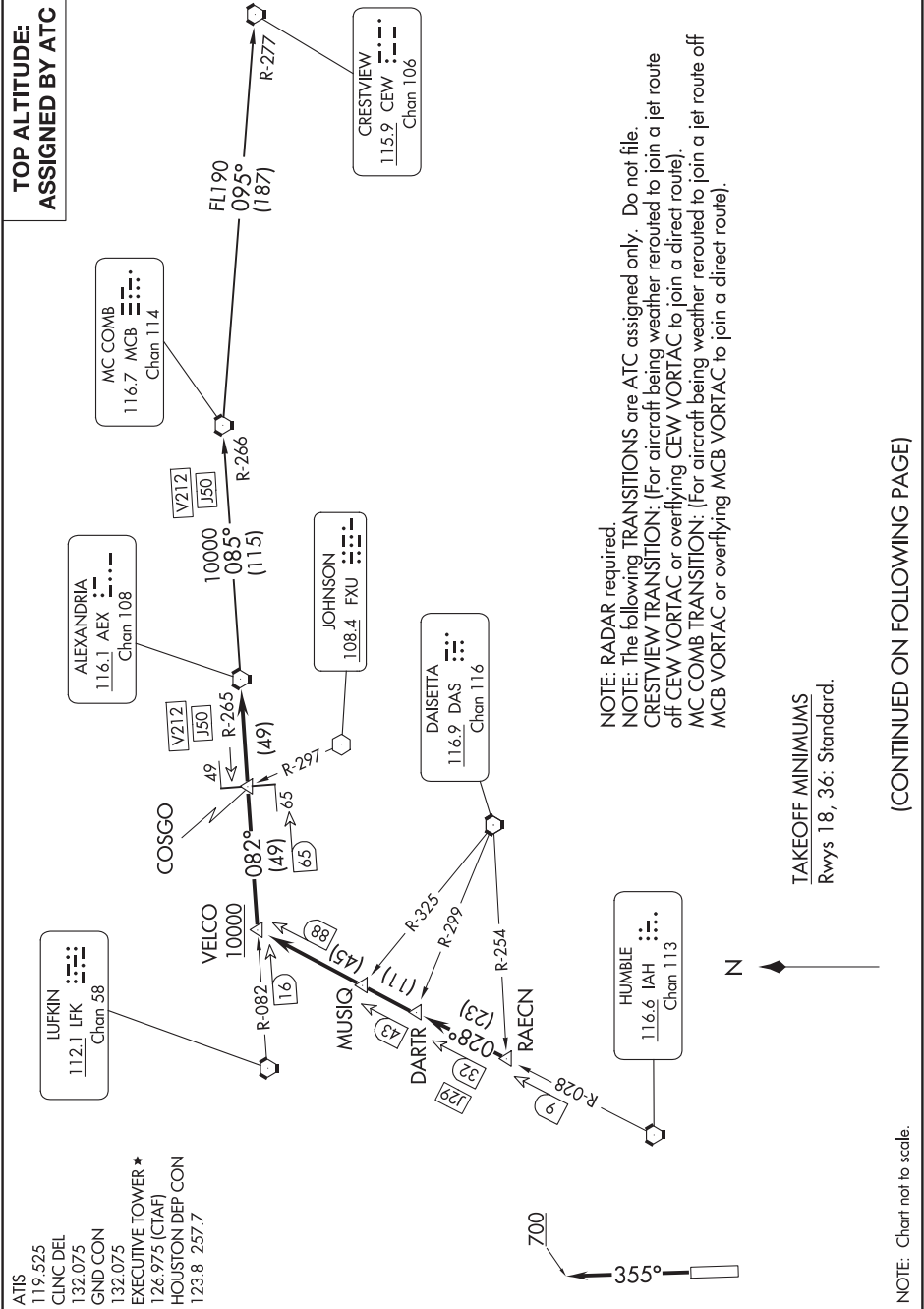


CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



ALEXANDRIA THREE DEPARTURE

SC-5, 07 AUG 2025 to 02 OCT 2025



ALEXANDRIA THREE DEPARTURE

(AEX3.AEX) 07OCT21

HOUSTON, TEXAS  
HOUSTON EXEC (TME)

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

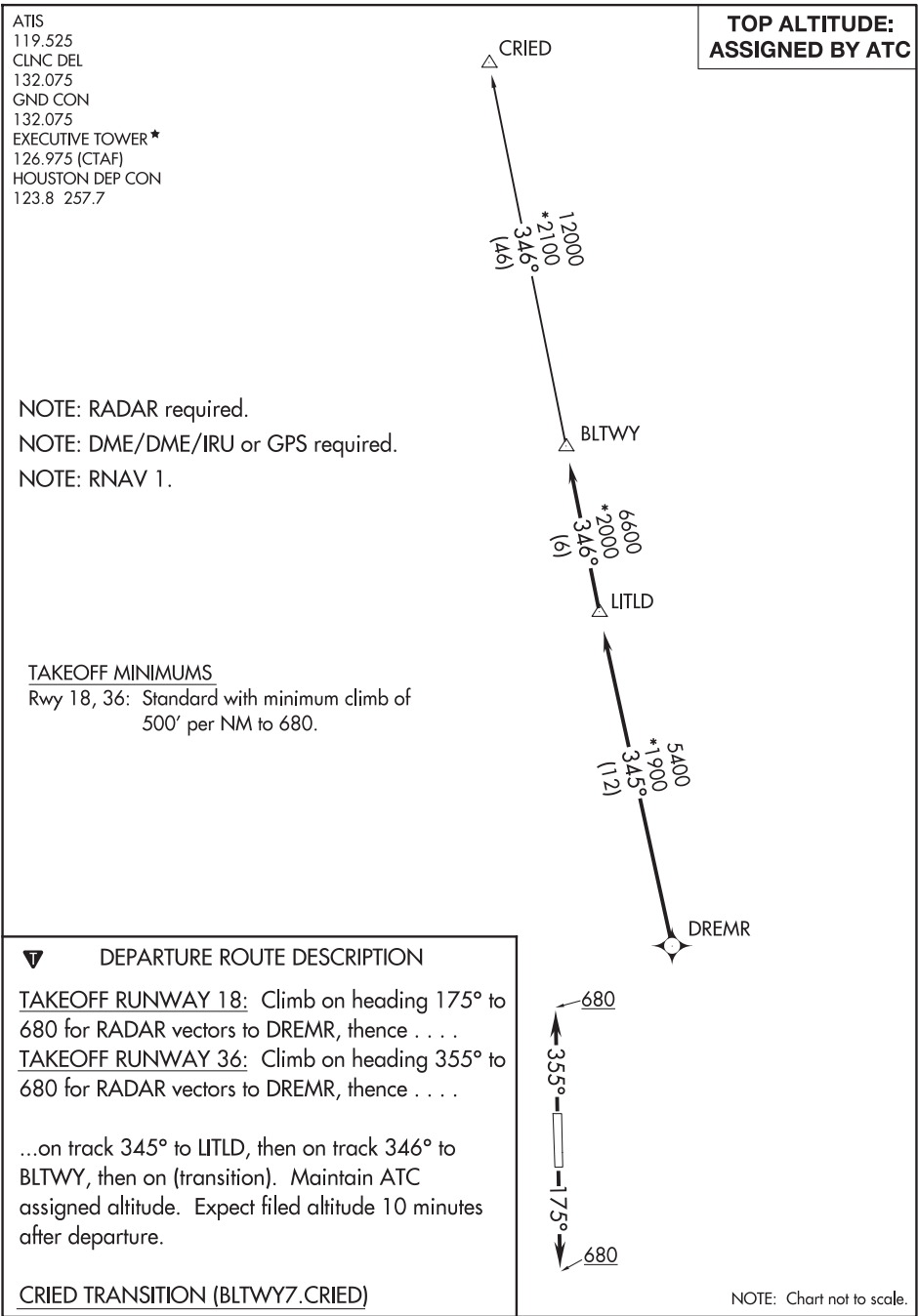
. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

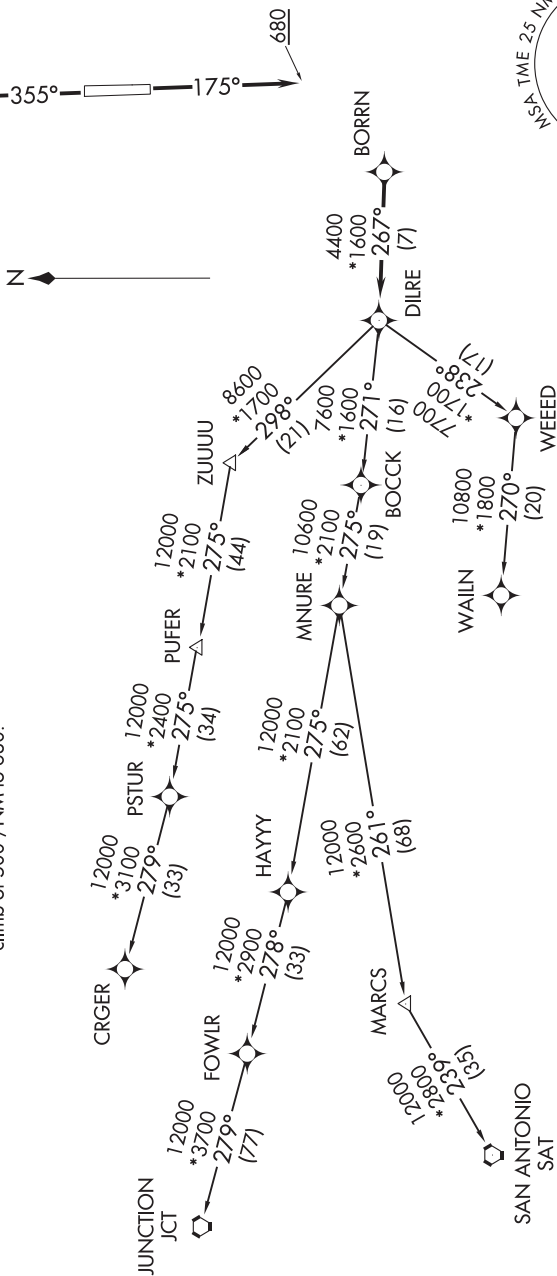


**TOP ALTITUDE:  
ASSIGNED BY ATC**

RADAR required.

Rwys 18, 36: Standard with minimum climb of 500'/NM to 680.

ATIS  
119.525  
CTAF  
126.975  
CLNC DE  
132.075  
HOUSTON  
123.8 25



NOTE: CRGER-TRANSITION ATC assigned only for aircraft departing 54T, AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

## HOUSTON EXEC (TME)

(BORRN6.BORRN) 30NOV23



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 680, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (BORRN6.CRGER)
- JUNCTION TRANSITION (BORRN6.JCT)
- MNURE TRANSITION (BORRN6.MNURE)
- SAN ANTONIO TRANSITION (BORRN6.SAT)
- WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(CRID1.CRID)24193

CRID ONE DEPARTURE

AL-10328 (FAA)

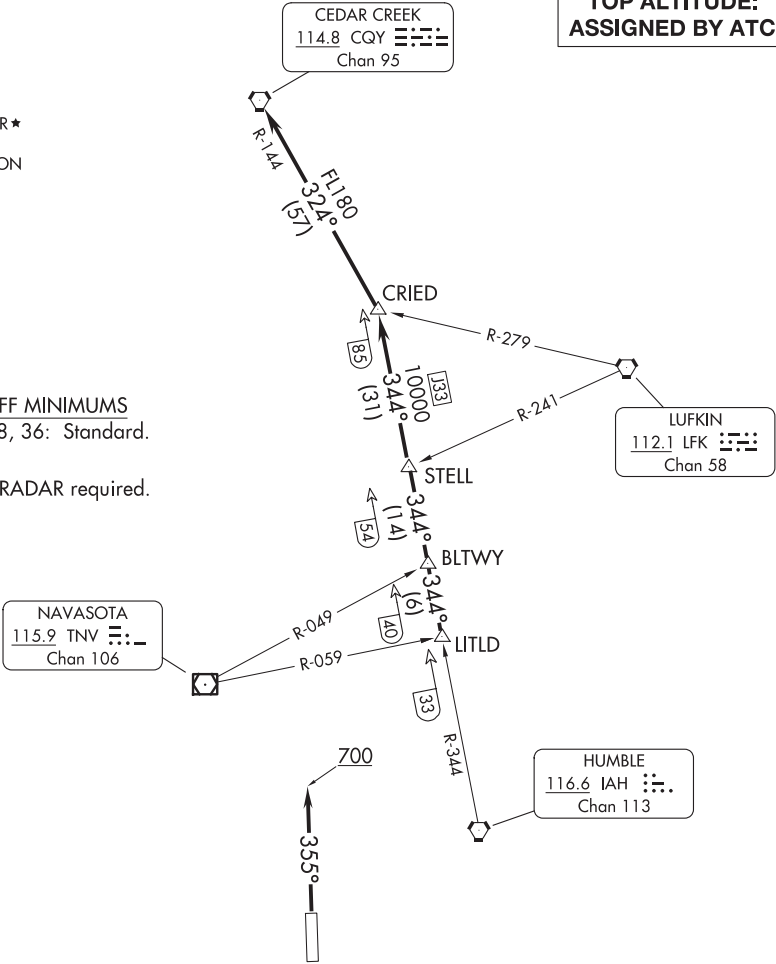
HOUSTON EXEC (TME)  
HOUSTON, TEXAS

ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER ★  
126.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TAKEOFF MINIMUMS  
Rwys 18, 36: Standard.

NOTE: RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 18:** When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

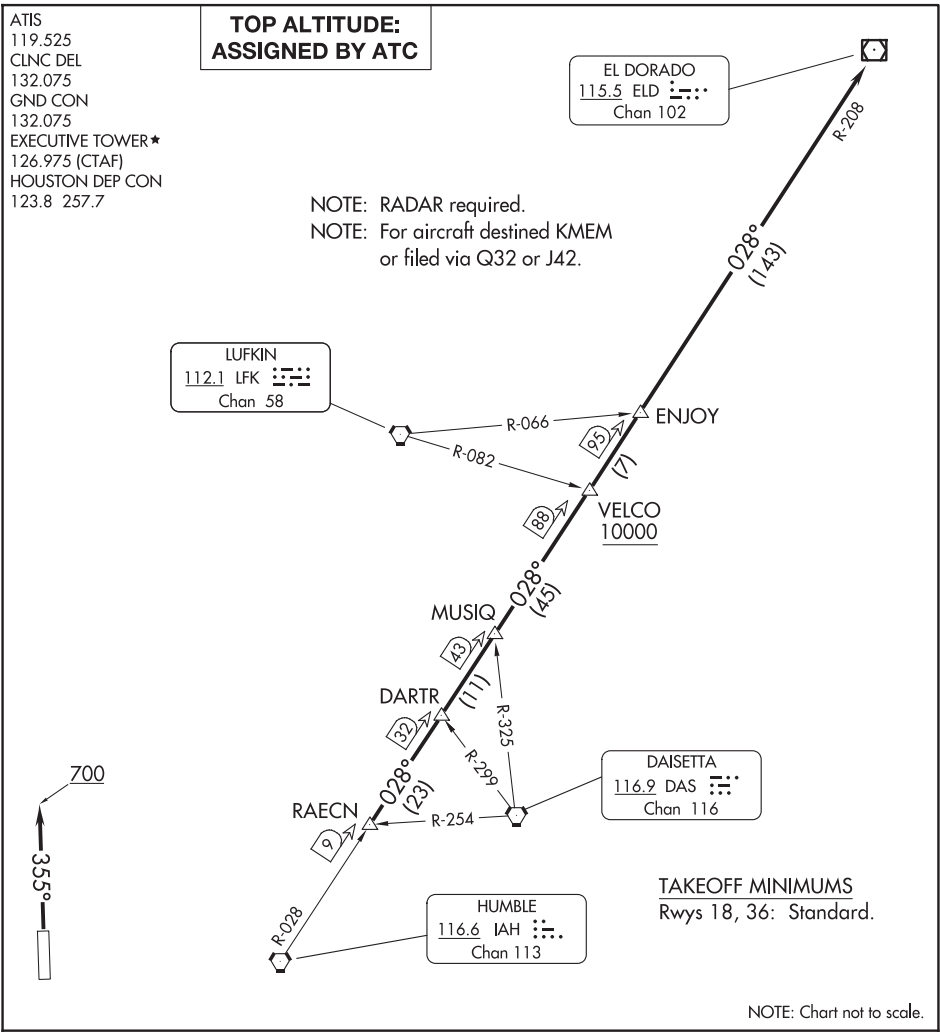
**TAKEOFF RUNWAY 36:** Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRID INT, then left turn on CQY R-144 to CQY VORTAC.

CRID ONE DEPARTURE

(CRID1.CRID)07OCT21

HOUSTON, TEXAS  
HOUSTON EXEC (TME)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . . on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

(GIFFA1.GIFFA) 24193

GIFFA ONE DEPARTURE

AL-10328 (FAA)

HOUSTON EXEC (TME)  
HOUSTON, TEXAS

ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER★  
126.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: For aircraft destined for the DFW  
terminal area only.

LEONA  
110.8 LOA  
Chan 45

CEDAR CREEK  
114.8 CQY  
Chan 95

GIFFA  
10000

85

R-121

358°  
(44)

358°  
(10)

31

R-358

MONNT

41

41

BUMCO

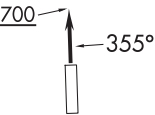
R-059

R-128

DAISETTA  
116.9 DAS  
Chan 116

HUMBLE  
116.6 IAH  
Chan 113

TAKEOFF MINIMUMS  
Rwys 18, 36: Standard.



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

GIFFA ONE DEPARTURE

(GIFFA1.GIFFA) 07OCT21

HOUSTON, TEXAS  
HOUSTON EXEC (TME)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-358 to cross GIFFA INT at or above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER ★  
122.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

700  
355°  
175°  
680

NOTE: RNAV 1.

NOTE: RADAR required.

NOTE: ATC assigned only.

NOTE: DME/DME/IRU or GPS required.

NOTE: For non-GPS equipped aircraft, LCH, LLA, TBD, and LEV DME's must be operational.

SCHOLES  
VUH

9300  
1400  
118°  
(32)

TAKEOFF MINIMUMS

Rwys 18, 36: Standard with  
minimum climb of 500' per NM to 680.

11000  
087°  
1400  
36  
HOODO

SBIRD

CFOOD

BOWFN

11000  
076°  
1700  
60  
LEEVILLE  
LEV

HARVEY  
HRV

11000  
048°  
1100  
82

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 36: Climb on heading 355° to 700, for RADAR vectors to VUH VOR/DME, thence . . . .

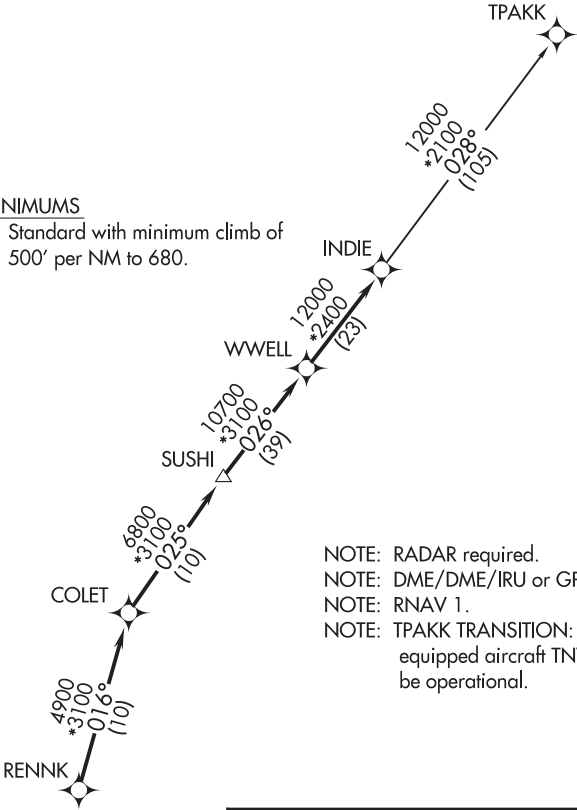
. . . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- BOWFN TRANSITION (HOODO7.BOWFN)
- CFOOD TRANSITION (HOODO7.CFOOD)
- HARVEY TRANSITION (HOODO7.HRV)
- LEEVILLE TRANSITION (HOODO7.LEV)
- SBIRD TRANSITION (HOODO7.SBIRD)

ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER★  
126.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwy 18, 36: Standard with minimum climb of  
500' per NM to 680.



- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to  
680 for RADAR vectors to RENNK, thence . . .  
TAKEOFF RUNWAY 36: Climb on heading 355° to  
680 for RADAR vectors to RENNK, thence . . .

. . . on track 016° to COLET, then on track 025°  
to SUSHI, then on track 026° to WWELL, then on  
track 026° to INDIE, then on (transition).  
Maintain ATC assigned altitude. Expect filed  
altitude 10 minutes after departure.

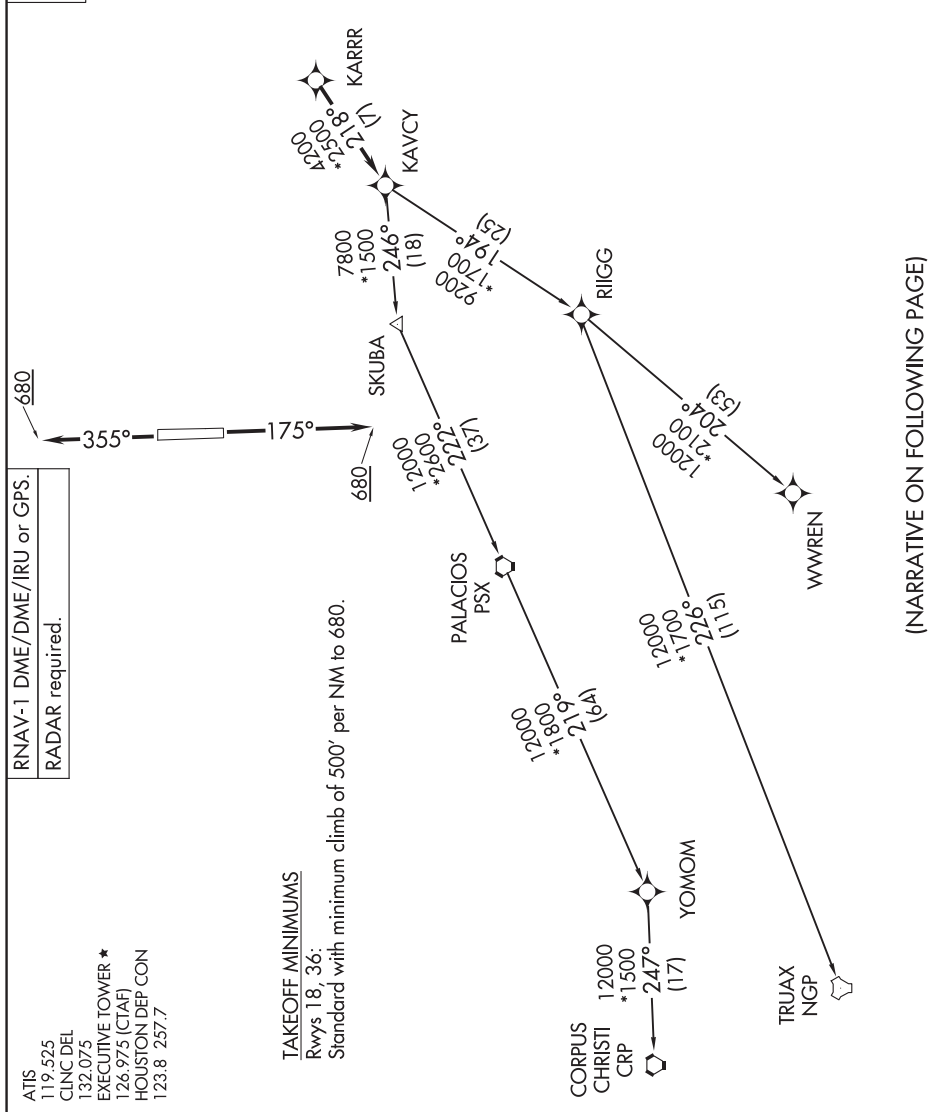
TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

## KARRR SEVEN DEPARTURE (RNAV)

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: Chart not to scale.



(NARRATIVE ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

KARRR SEVEN DEPARTURE (RNAV)  
(KARRR7.KARRR) 29DEC22

HOUSTON, TEXAS  
HOUSTON EXEC (TME)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680, for RADAR vectors to KARRR, thence. . . .  
TAKEOFF RUNWAY 36: Climb on heading 355° to 680, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (KARRR7.CRP)
- PALACIOS TRANSITION (KARRR7.PSX)
- TRUAX TRANSITION (KARRR7.NGP)
- WWREN TRANSITION (KARRR7.WWREN)
- YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(LOA4.LOA) 24137

## LEONA FOUR DEPARTURE

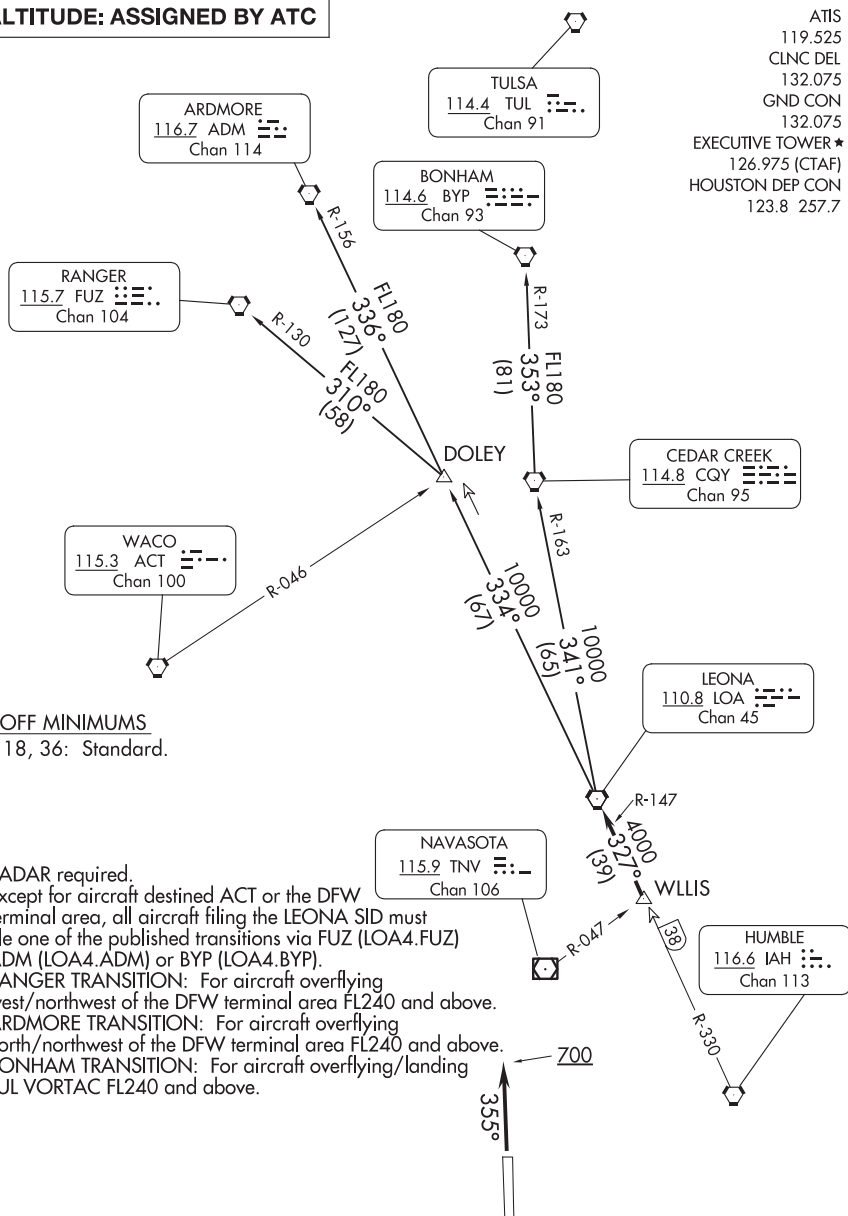
AL-10328 (FAA)

HOUSTON EXEC (TME)

HOUSTON, TEXAS

TOP ALTITUDE: ASSIGNED BY ATC

ATIS  
 119.525  
 CLNC DEL  
 132.075  
 GND CON  
 132.075  
 EXECUTIVE TOWER ★  
 126.975 (CTAF)  
 HOUSTON DEP CON  
 123.8 257.7



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## LEONA FOUR DEPARTURE

(LOA4.LOA) 07OCT21

HOUSTON, TEXAS

HOUSTON EXEC (TME)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

(LFK3.LFK) 24137

AL-10328 (FAA)

HOUSTON EXEC (TME)

HOUSTON, TEXAS

# LUFKIN THREE DEPARTURE

TOP ALTITUDE:  
ASSIGNED BY ATC

LITTLE ROCK  
113.9 LIT  
Chan 86

ATIS 119.525  
CLNC DEL 132.075  
GND CON 132.075  
EXECUTIVE TOWER★ 126.975 (CTAF)  
HOUSTON DEP CON 123.8 257.7

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58

SKKIP

5000

SUSHI

COLET

KYANN

HUMBLE  
116.6 IAH  
Chan 113

DAISETTA  
116.9 DAS  
Chan 116

700



TAKEOFF MINIMUMS  
Rwys 18, 36: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

# LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

HOUSTON, TEXAS

HOUSTON EXEC (TME)



DEPARTURE ROUTE DESCRIPTION	
<p>TAKEOFF RUNWAY 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .</p> <p>TAKEOFF RUNWAY 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .</p> <p>. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.</p> <p>LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.</p>	

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(LURIC8.LURIC) 21280

344  
AL-10328 (FAA)

HOUSTON EXEC (TME)  
HOUSTON, TEXAS

LURIC EIGHT DEPARTURE (RNAV)

ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER★  
126.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 18, 36: Standard with minimum  
climb of 500' per NM to 680.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175°  
to 680 for RADAR vectors to KNTKY, thence . . .

TAKEOFF RUNWAY 36: Climb on heading 355°  
to 680 for RADAR vectors to KNTKY, thence . . .

. . . on track 032° to PEETY, then on track 032° to  
DARTR, then on track 031° to MUSIQ, then on track  
031° to CLAVN, then on track 031° to VELCO, then  
on track 031° to ENJOY, then on track 031° to LURIC,  
then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

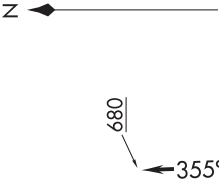
LURIC EIGHT DEPARTURE (RNAV)  
(LURIC8.LURIC) 07OCT21

HOUSTON, TEXAS  
HOUSTON EXEC (TME)

SC-5, 07 AUG 2025 to 02 OCT 2025

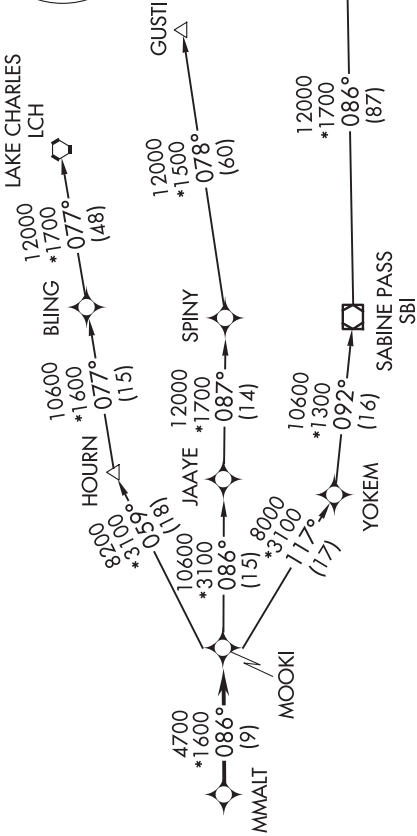
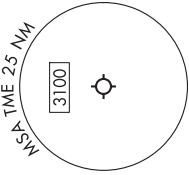
SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON DEP CON  
123.8 257.7  
ATIS  
119.525  
CLNC DEL  
132.075  
CTAF  
126.975



RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: GUSTI and LCH Transitions ATC assigned only for aircraft departing AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41 and 54T.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680, for RADAR vectors to MMALT, thence. . . .  
TAKEOFF RUNWAY 36: Climb on heading 355° to 680, for RADAR vectors to MMALT, thence. . . .  
. . . on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- GUSTI TRANSITION (MMALT7.GUSTI)
- LAKE CHARLES TRANSITION (MMALT7.LCH)
- WHITE LAKE TRANSITION (MMALT7.LLA)

TAKEOFF MINIMUMS  
Rwys 18, 36: Standard with minimum climb of 500' /NM to 680.

NOTE: Chart not to scale.

STRYA EIGHT DEPARTURE (RNAV)

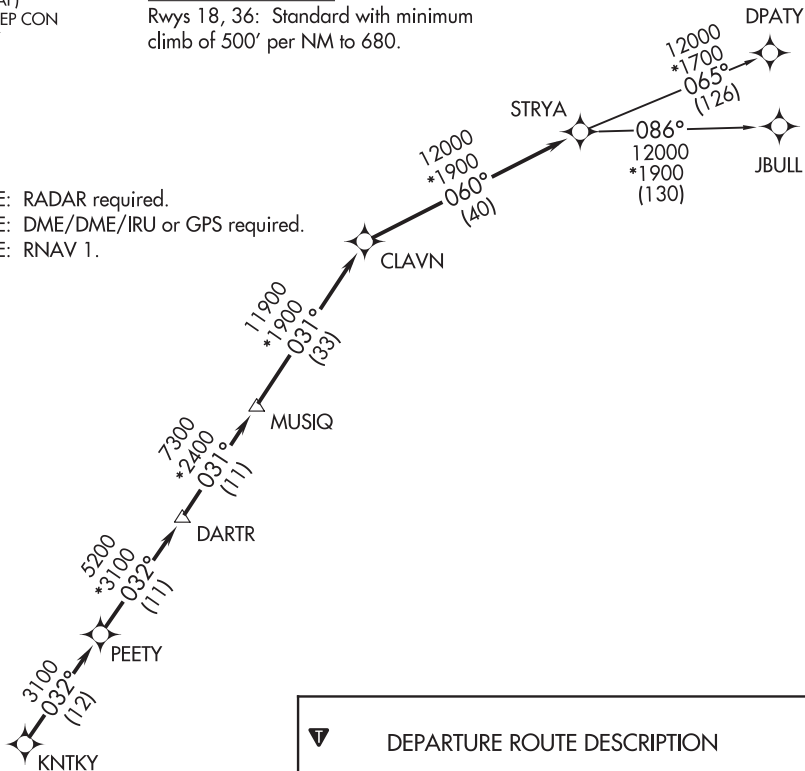
ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER★  
126.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS

Rwys 18, 36: Standard with minimum  
climb of 500' per NM to 680.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 680 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)

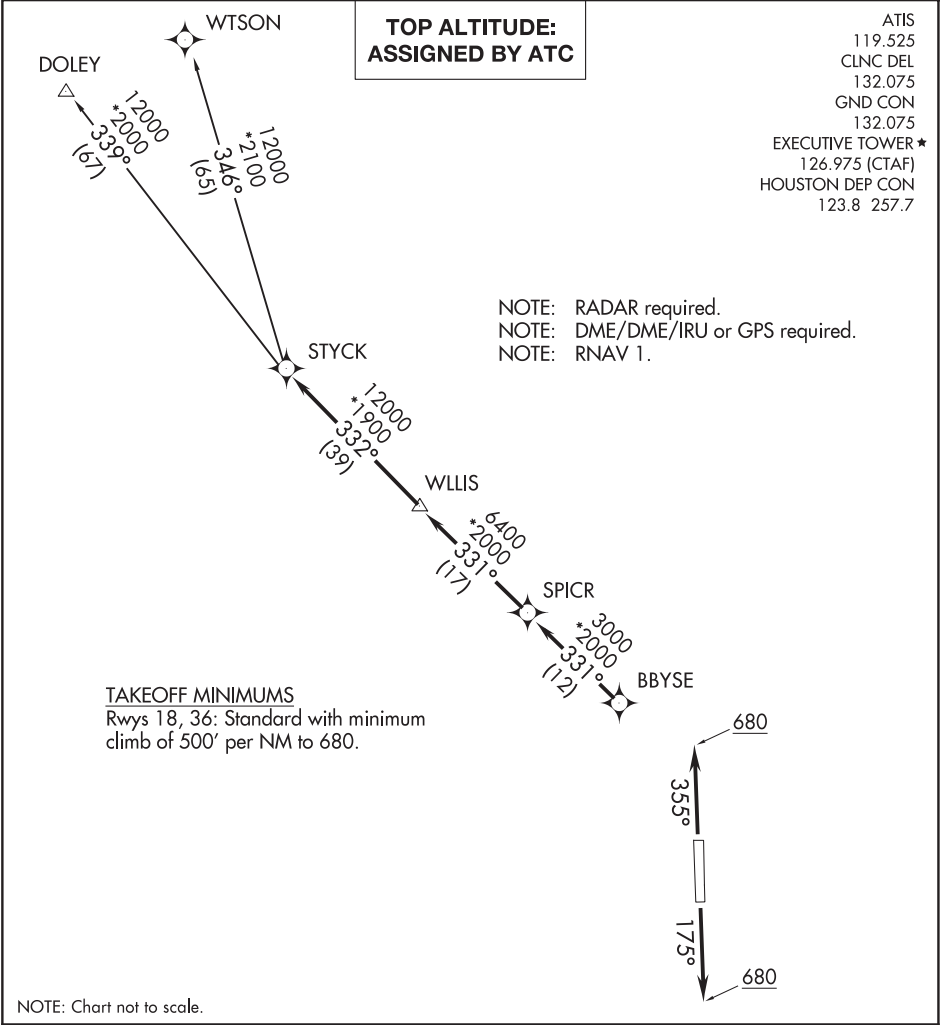
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

STRYA EIGHT DEPARTURE (RNAV)

(STRYA8.STRYA) 07OCT21

HOUSTON, TEXAS  
HOUSTON EXEC (TME)



▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680 for RADAR vectors to BBYSE, thence. . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 680 for RADAR vectors to BBYSE, thence. . .

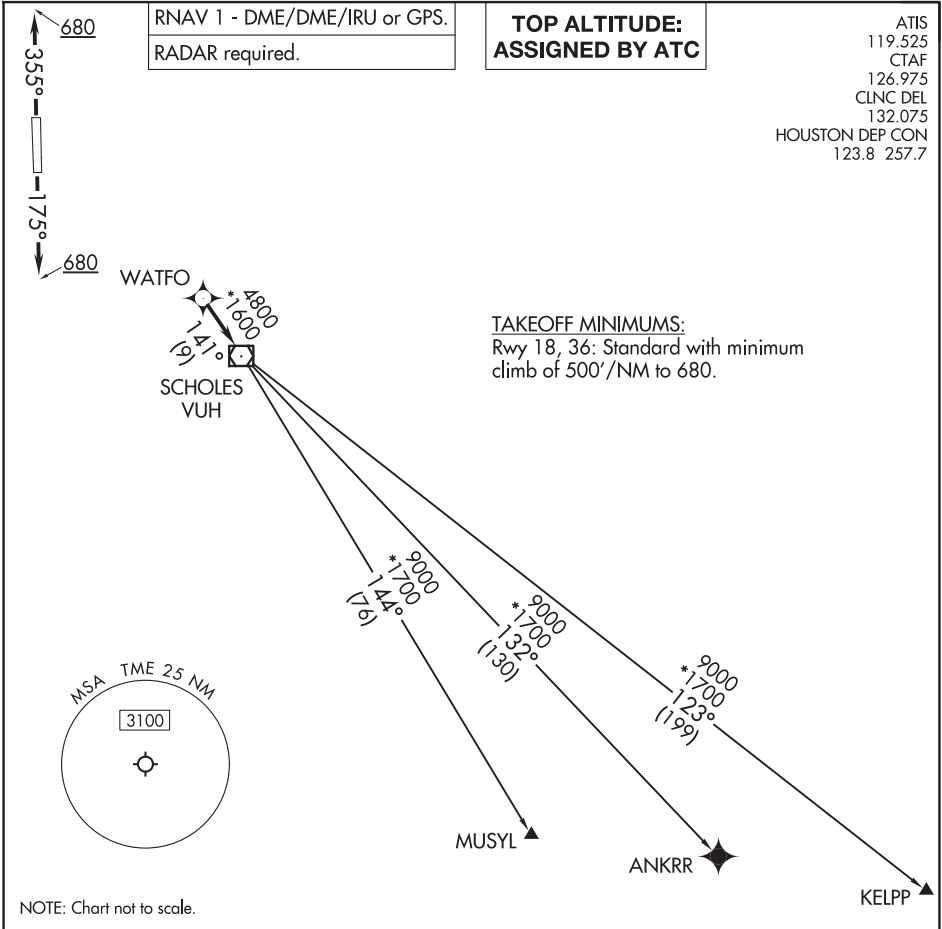
. . . on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)

(WATFO6.WATFO) 23222

HOUSTON EXEC (TME)  
HOUSTON, TEXAS

WATFO SIX DEPARTURE (RNAV)



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION
<u>TAKEOFF RUNWAY 18:</u> Climb on heading 175° to 680, for RADAR vectors to WATFO, thence. . . .
<u>TAKEOFF RUNWAY 36:</u> Climb on heading 355° to 680, for RADAR vectors to WATFO, thence. . . .
. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.
<u>ANKRR TRANSITION (WATFO6.ANKRR)</u>
<u>KELPP TRANSITION (WATFO6.KELPP)</u>
<u>MUSYL TRANSITION (WATFO6.MUSYL)</u>

WATFO SIX DEPARTURE (RNAV)

(WATFO6.WATFO) 10AUG23

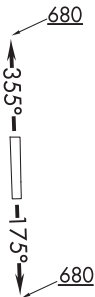
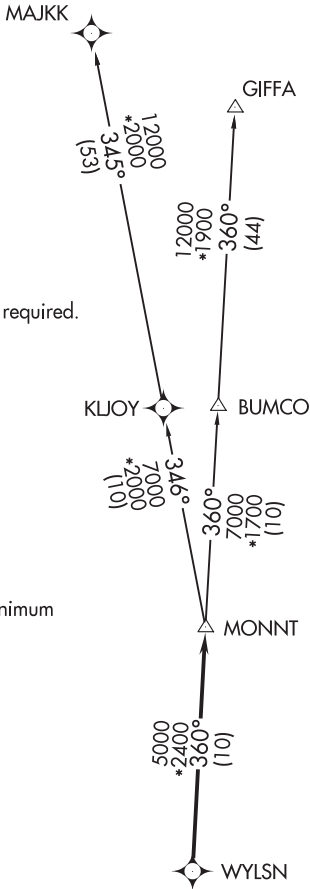
HOUSTON, TEXAS  
HOUSTON EXEC (TME)

ATIS  
119.525  
CLNC DEL  
132.075  
GND CON  
132.075  
EXECUTIVE TOWER★  
126.975 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwy 18, 36: Standard with minimum  
climb of 500' per NM to 680.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18: Climb on heading 175° to 680  
for RADAR vectors to WYLSN, thence. . .

TAKEOFF RUNWAY 36: Climb on heading 355° to 680  
for RADAR vectors to WYLSN, thence. . .

. . .on track 360° to MONNT, then on (transition).  
Maintain ATC assigned altitude. Expect filed altitude  
10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJJK TRANSITION (WYLSN8.MAJKK)

NOTE: Chart not to scale.

HOUSTON, TEXAS

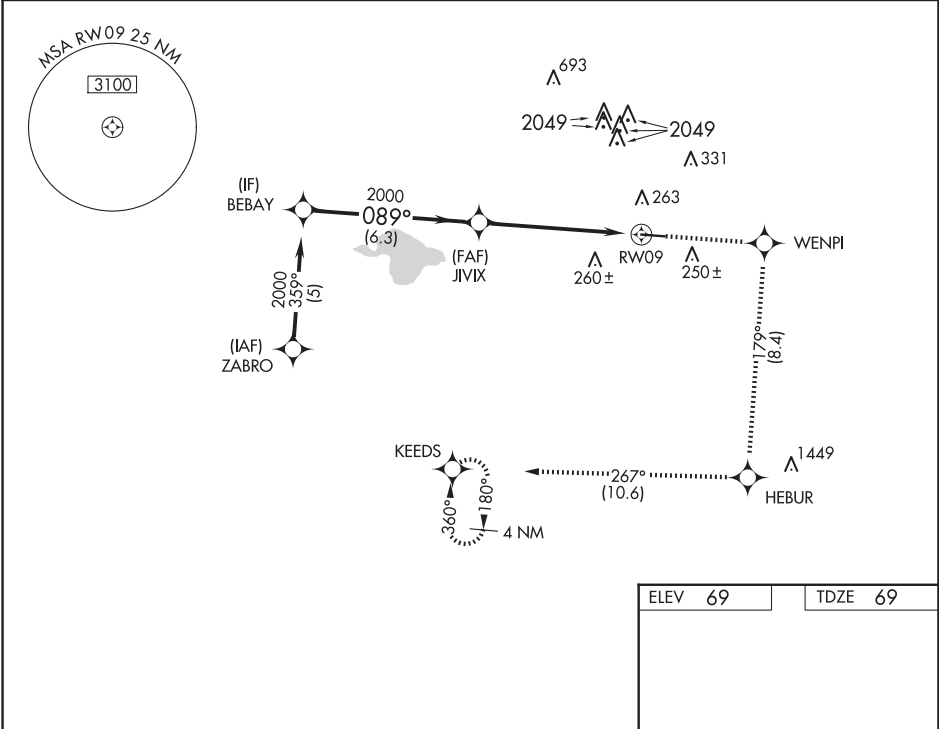
AL-6575 (FAA)

23222

APP CRS	Rwy Idg	5002
089°	TDZE	69
	Apt Elev	69

RNAV (GPS) RWY 9  
HOUSTON/SOUTHWEST (A.XH)

RNP APCH.		MISSED APPROACH: Climb to 2700 direct WENPI and on track 179° to HEBUR and on track 267° to KEEDS and hold.	
<div><div></div><div>Circling Rwy 27 NA at night. Rwy 9 helicopter visibility reduction below ¾ SM NA.</div></div>			
AWOS-3 123.625	HOUSTON APP CON 123.8 257.7	CLNC DEL 120.8	UNICOM 123.0 (CTAF) <div></div>



VGSI and descent angles not coincident (VGSI Angle 3.50/TCH 50).		2700	WENPI	tr 179°	HEBUR	tr 267°	KEEDS
CATEGORY	A	B	C	D			
LNAV MDA	580-1	511 (600-1)	580-1½ 511 (600-1½)	NA			
CIRCLING	620-1	551 (600-1)	700-1¾ 631 (700-1¾)	NA			

HOUSTON, TEXAS  
Amdt 2B 15JUL21

29°30'N-95°29'W

HOUSTON/SOUTHWEST (A.XH)  
RNAV (GPS) RWY 9

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

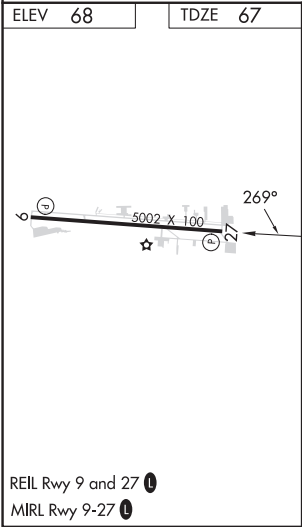
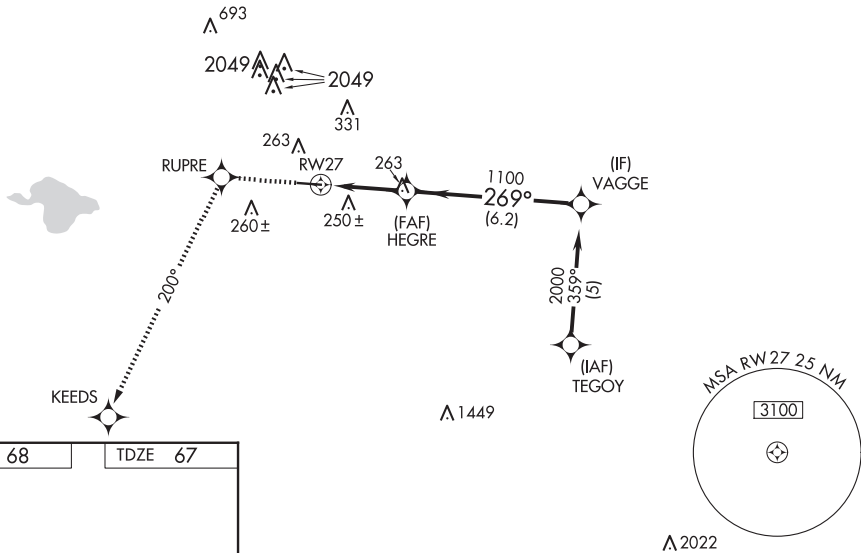


WAAS CH <b>81903</b> <b>W27A</b>	APP CRS <b>269°</b>	Rwy Idg <b>5002</b> TDZE <b>67</b> Apt Elev <b>68</b>
--	------------------------	---

RNAV (GPS) RWY 27  
HOUSTON/SOUTHWEST (A.XH)

RNP APCH. ▼ ▲ NA For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Rwy 27 helicopter visibility reduction below ¾ SM NA. Obtain local altimeter setting on CTAF; when not received use William P. Hobby altimeter setting and increase all DAs/MDA's 40 feet, and LPV, LNAV Cat C visibility ¼ mile. Baro-VNAV NA when using William P. Hobby altimeter setting.		MISSED APPROACH: Climb to 2700 direct RUPRE and via 200° track to KEEDS.	
AWOS-3 <b>123.625</b>	HOUSTON APP CON <b>123.8 257.7</b>	CLNC DEL <b>120.8</b>	UNICOM <b>123.0</b> (CTAF) 0

RADAR REQUIRED



2700	RUPRE	tr 200°	KEEDS	VAGGE
			HEGRE	
			RW27	
			1100	2000
			3.1 NM	6.2 NM
CATEGORY	A	B	C	D
LPV DA	367-1	300 (300-1)		NA
LNAV/VNAV DA	604-2	537 (600-2)		NA
LNAV MDA	560-1	493 (500-1)	560-1¼ 493 (500-1¼)	NA

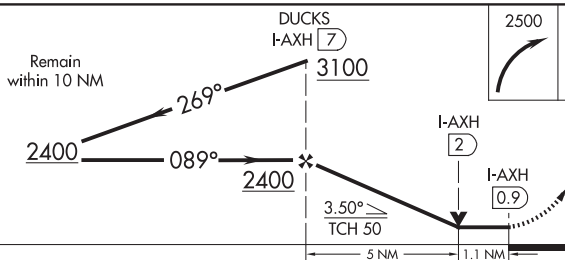
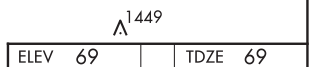
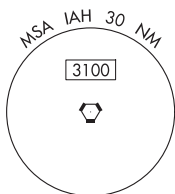
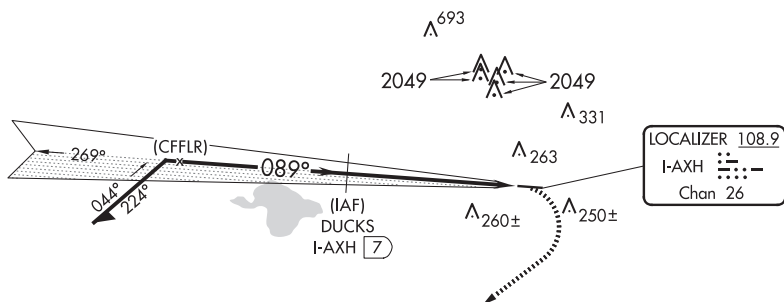
# LOC RWY 9

## HOUSTON/SOUTHWEST (AXH)

**T**  
**A** NA Rwy 9 helicopter visibility reduction below  $\frac{3}{4}$  SM NA.

**MISSED APPROACH:** Climbing right turn to 2500 direct KEEDS.

AWOS-3 <b>123.625</b>	HOUSTON APP CON <b>123.8 257.7</b>	CLNC DEL <b>120.8</b>	UNICOM <b>123.0 (CTAF) 1</b>
--------------------------	---------------------------------------	--------------------------	---------------------------------




CATEGORY	A	B	C	D
S-LOC 9	540-1	471 (500-1)	540-1 <sup>3</sup> / <sub>8</sub> 471 (500-1 <sup>3</sup> / <sub>8</sub> )	NA
 CIRCLING	580-1	511 (600-1)	700-1 <sup>3</sup> / <sub>4</sub> 631 (700-1 <sup>3</sup> / <sub>4</sub> )	NA

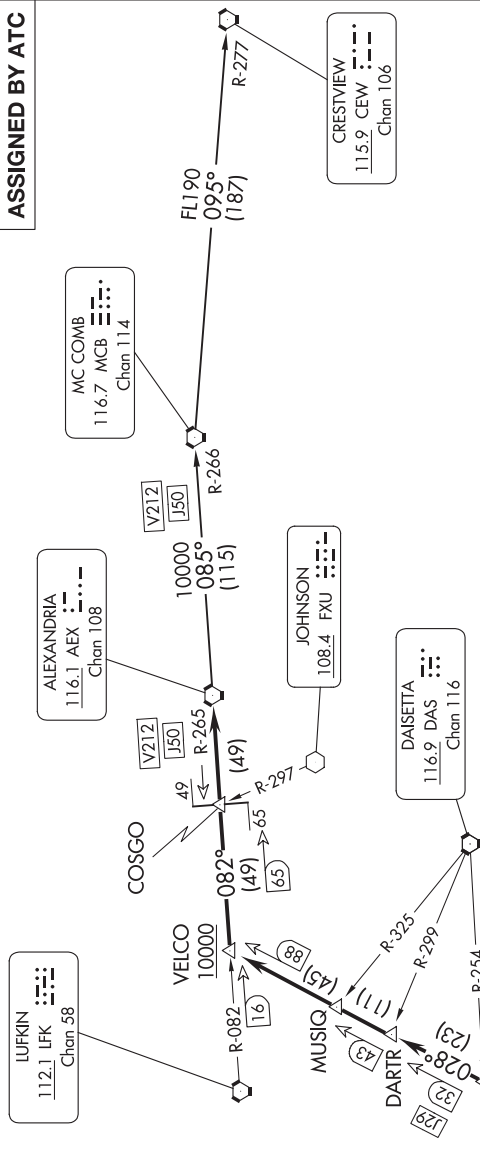
Diagram showing a horizontal member with a slope of  $0.89^\circ$  and a section of  $5002 \times 100$ . The member is supported by a pin support on the left and a roller support on the right. A vertical load of  $27$  is applied at the right end.

REIL Rwy 9 and 27 (L)  
MIRL Rwy 9-27 (L)

# ALEXANDRIA THREE DEPARTURE

HOUSTON, TEXAS

**TOP ALTITUDE:  
ASSIGNED BY ATC**



NOTE: RADAR required.  
NOTE: The following TRANSITIONS are ATC assigned only. Do not file.  
CRESTVIEW TRANSITION: (For aircraft being weather rerouted to join a jet route off CEW VORTAC or overflying CEW VORTAC to join a direct route).  
MCB COMB TRANSITION: (For aircraft being weather rerouted to join a jet route off MCB VORTAC or overflying MCB VORTAC to join a direct route).

TAKEOFF MINIMUMS  
Rwys 9, 27: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON  
123.8 257

ALEXANDRIA THREE DEPARTURE

(AEX3.AEX) 07OCT21

HOUSTON, TEXAS  
HOUSTON/SOUTHWEST (AXH)

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .  
TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .  
. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

(BLTWY7.BLTWY) 21336

AL-6575 (FAA)

HOUSTON/SOUTHWEST (AXH)  
HOUSTON, TEXAS

BLTWY SEVEN DEPARTURE (RNAV)

TOP ALTITUDE:  
ASSIGNED BY ATC

AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

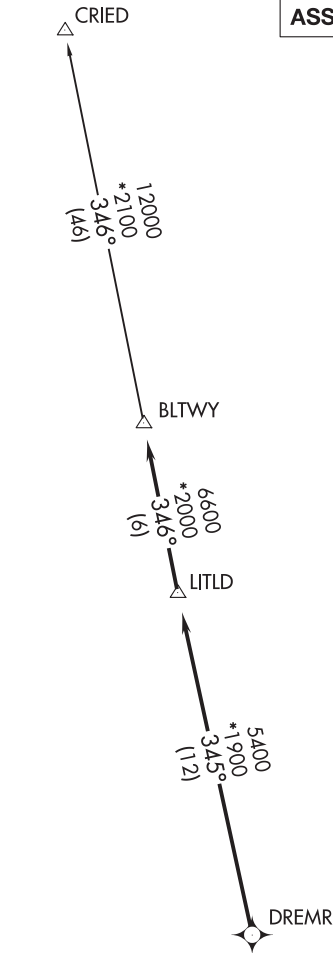
TAKEOFF MINIMUMS  
Rwy 9, 27: Standard with minimum climb of  
500' per NM to 580.

▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 for RADAR vectors to DREMR, thence . . . .  
TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 for RADAR vectors to DREMR, thence . . . .

...on track 345° to LITLD, then on track 346° to BLTWY, then on (transition).  
Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.

BLTWY SEVEN DEPARTURE (RNAV)  
(BLTWY7.BLTWY) 07OCT21

HOUSTON, TEXAS  
HOUSTON/SOUTHWEST (AXH)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

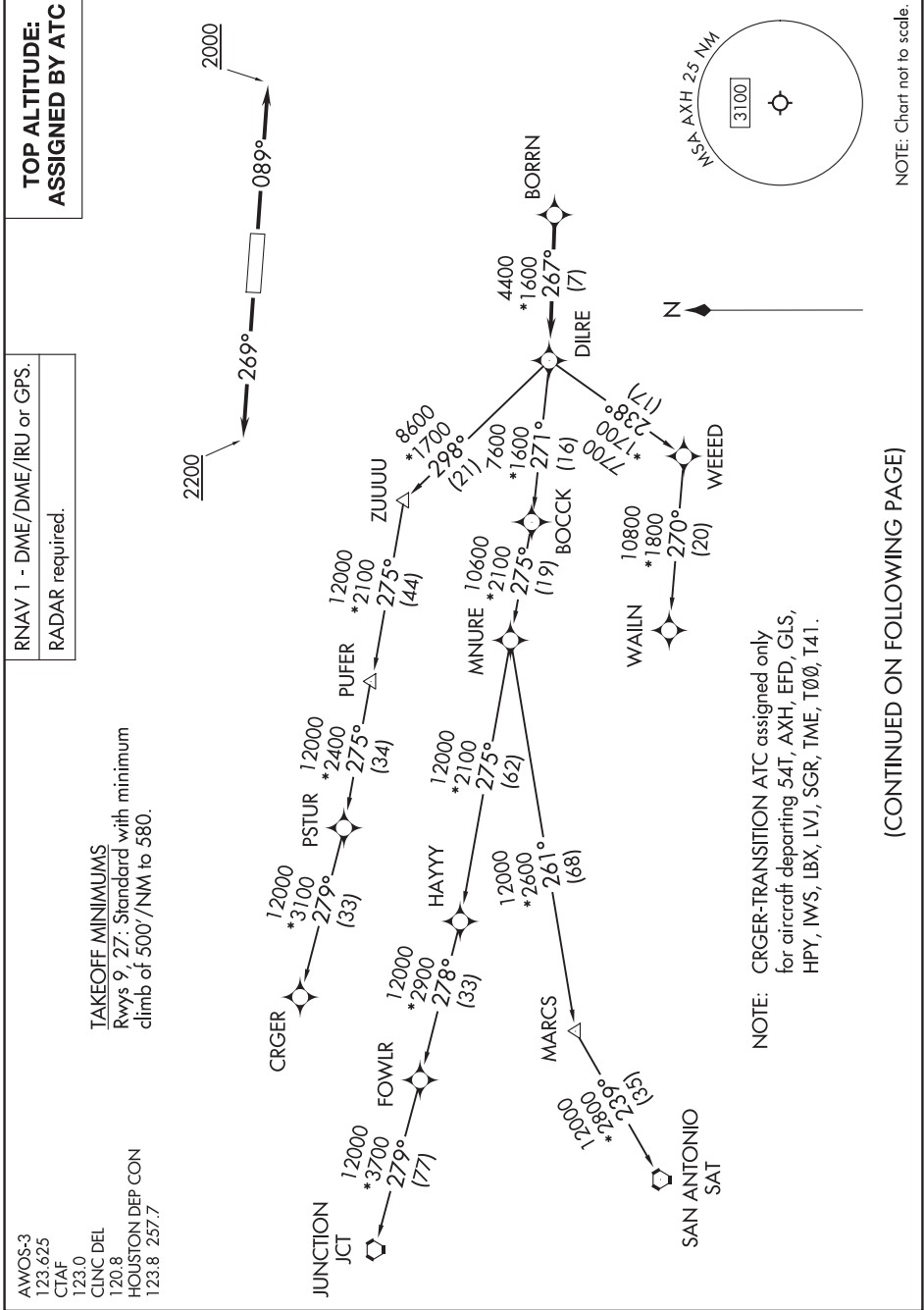
AWOS-3  
123.625  
CTAF  
123.0  
CINC DEL  
120.8  
HOUSTON DEP CON  
123.8 257.7

TAKEOFF MINIMUMS  
Rwys 9, 27: Standard with minimum  
climb of 500' /NM to 580.

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

BORRN SIX DEPARTURE (RNAV)

(BORRN6.BORRN) 25051 AL-6575 (FAA) HOUSTON/SOUTHWEST (AXH) HOUSTON, TEXAS



BORRN SIX DEPARTURE (RNAV)

(BORRN6.BORRN) 30NOV23

HOUSTON, TEXAS  
HOUSTON/SOUTHWEST (AXH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (BORRN6.CRGER)
- JUNCTION TRANSITION (BORRN6.JCT)
- MNURE TRANSITION (BORRN6.MNURE)
- SAN ANTONIO TRANSITION (BORRN6.SAT)
- WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

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(CRID1.CRID) 24193

CRID ONE DEPARTURE

AL-6575 (FAA)

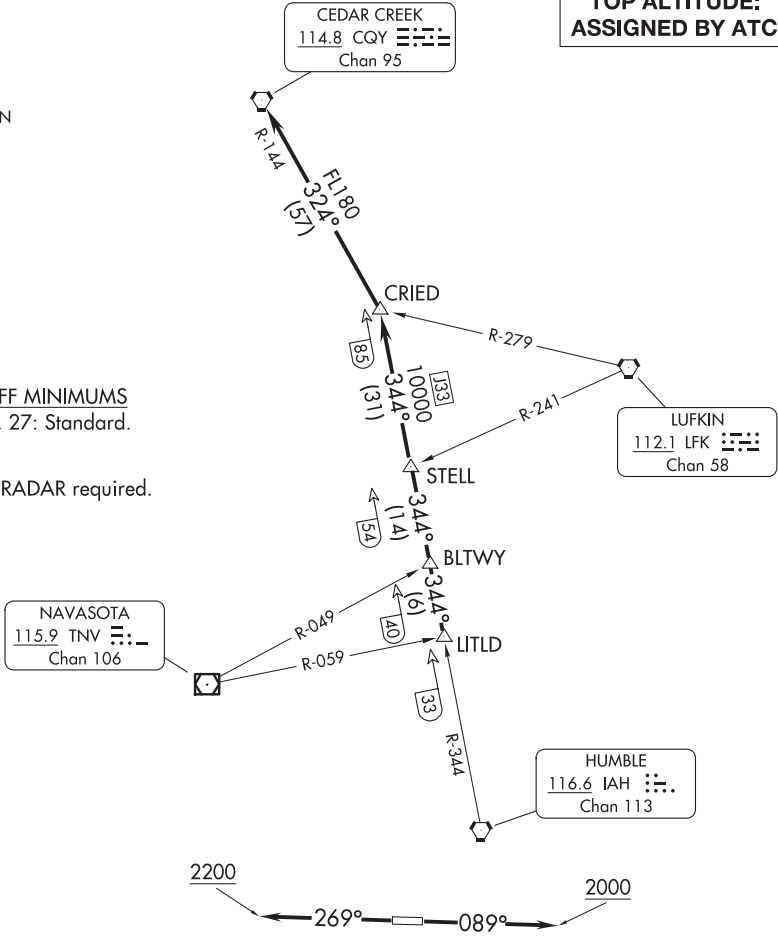
HOUSTON/SOUTHWEST (AXH)  
HOUSTON, TEXAS

AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 9, 27: Standard.

NOTE: RADAR required.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 9:** Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

**TAKEOFF RUNWAY 27:** Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRID INT, then left turn on CQY R-144 to CQY VORTAC.

CRID ONE DEPARTURE

(CRID1.CRID) 07OCT21

HOUSTON, TEXAS  
HOUSTON/SOUTHWEST (AXH)



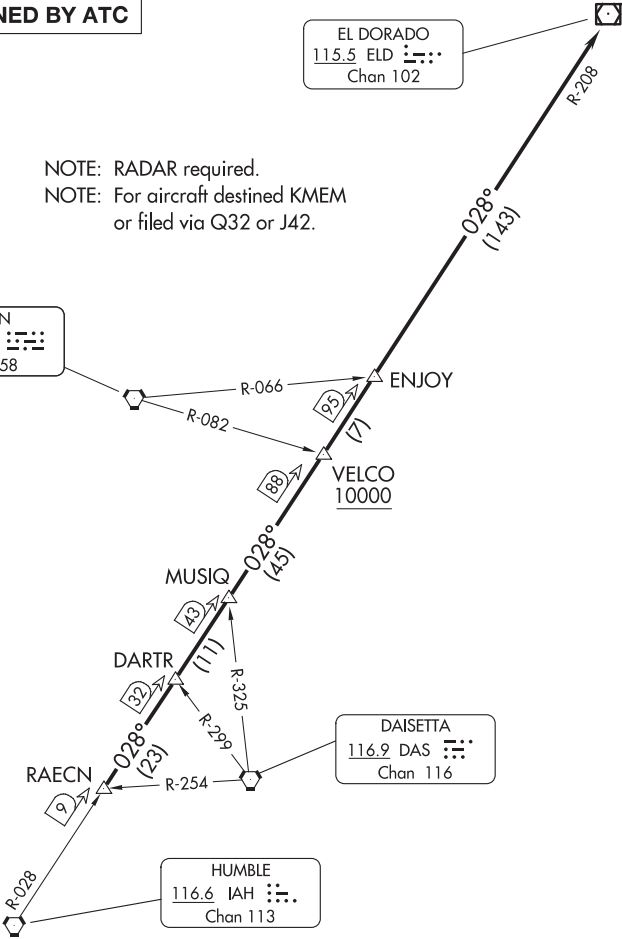
AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

EL DORADO  
115.5 ELD  
Chan 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS  
Rwys 9, 27: Standard.

NOTE: Chart not to scale. (CONTINUED ON FOLLOWING PAGE)

EL DORADO ONE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

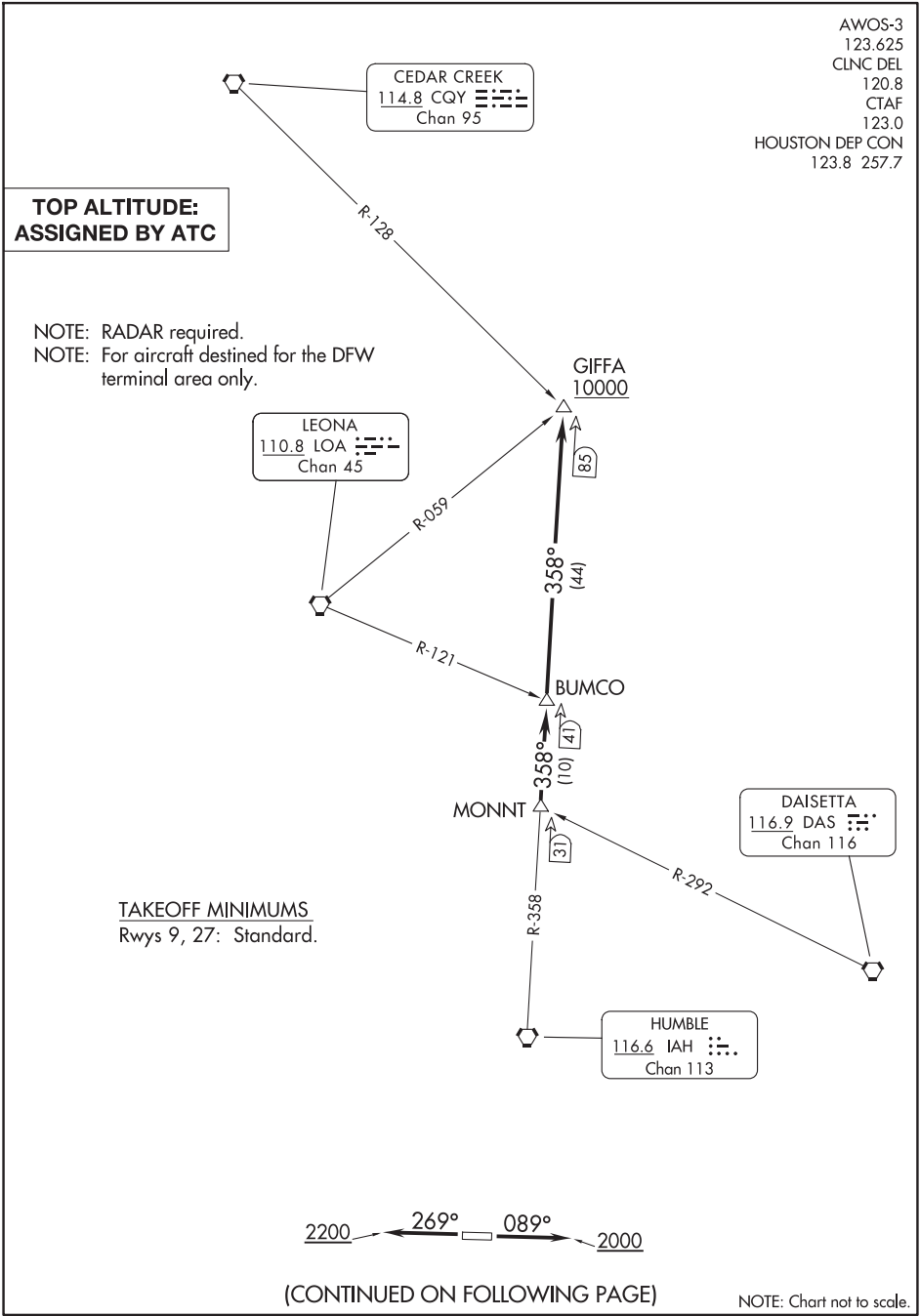
TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

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DEPARTURE ROUTE DESCRIPTION

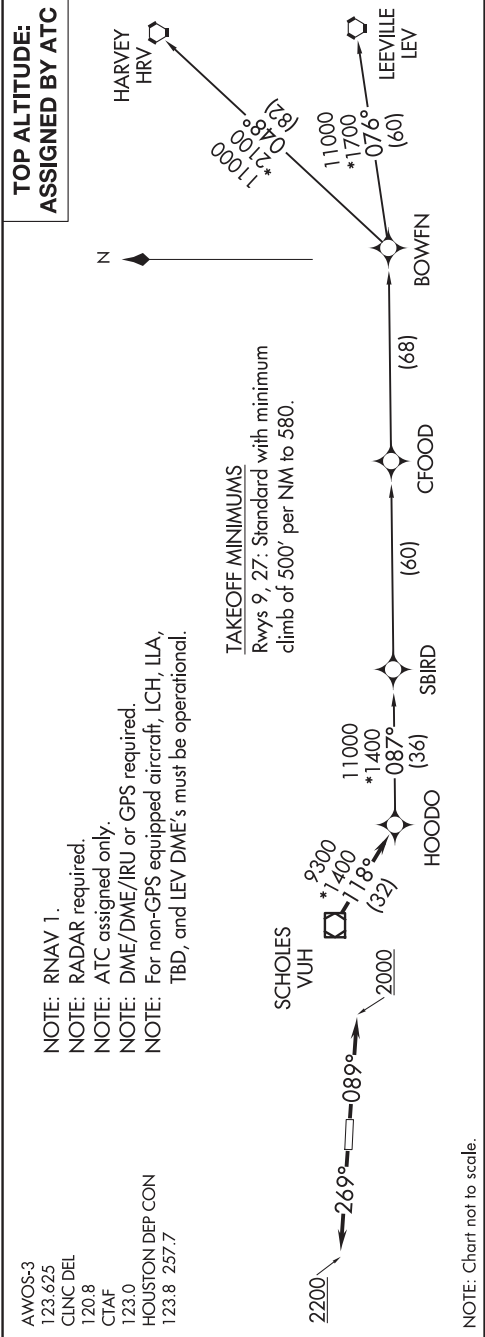
TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-358 to cross GIFFA INT at or above 10000.

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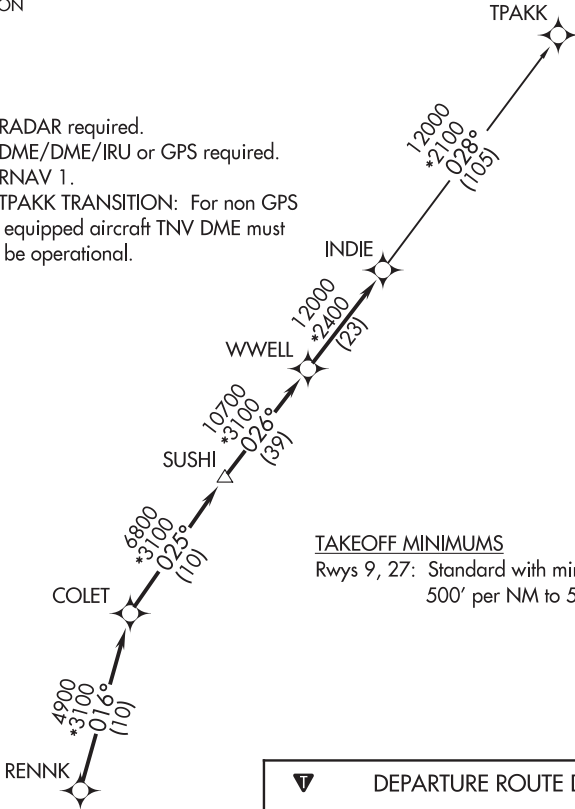
SC-5, 07 AUG 2025 to 02 OCT 2025



AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS  
Rwys 9, 27: Standard with minimum climb of  
500' per NM to 580.

▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 for RADAR vectors to RENNK, thence . . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 for RADAR vectors to RENNK, thence . . . .

. . . . on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on (transition).  
Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

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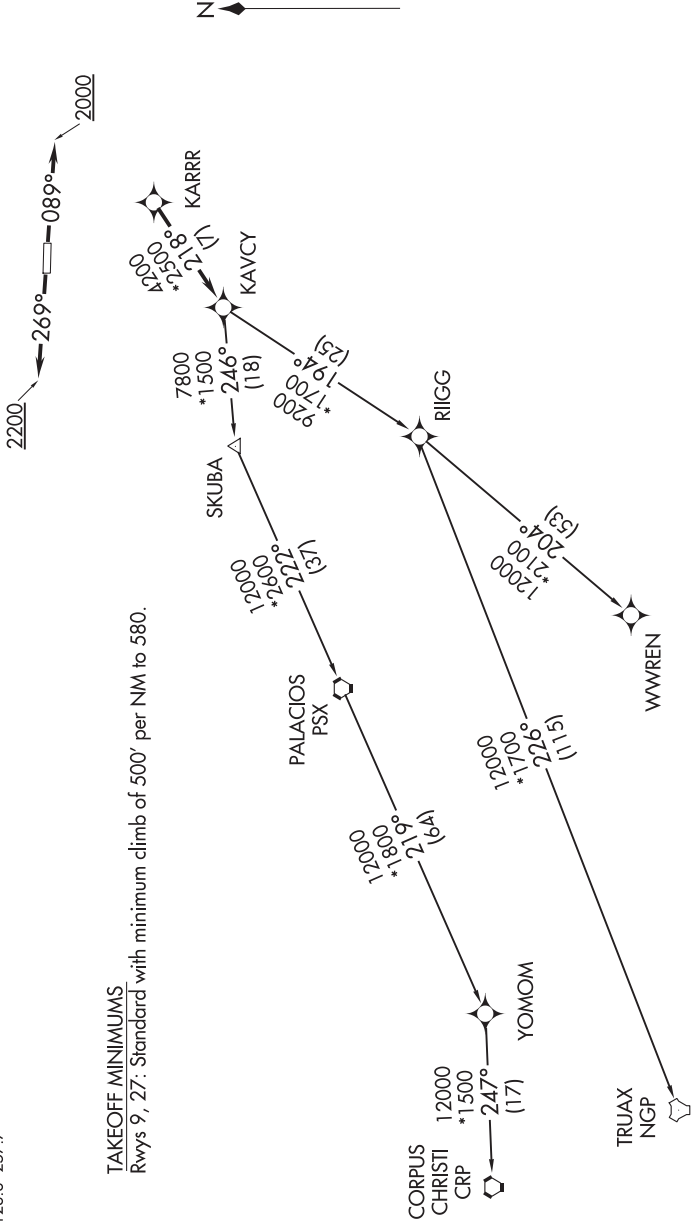
SC-5, 07 AUG 2025 to 02 OCT 2025

AWOS-3  
123.625  
CTAF  
123.0  
CINC DEL  
120.8  
HOUSTON DEP CON  
123.8 257.7

RNAV-1 DME/DME/IRU or GPS.  
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 9, 27: Standard with minimum climb of 500' per NM to 580.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025

KARRR SEVEN DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

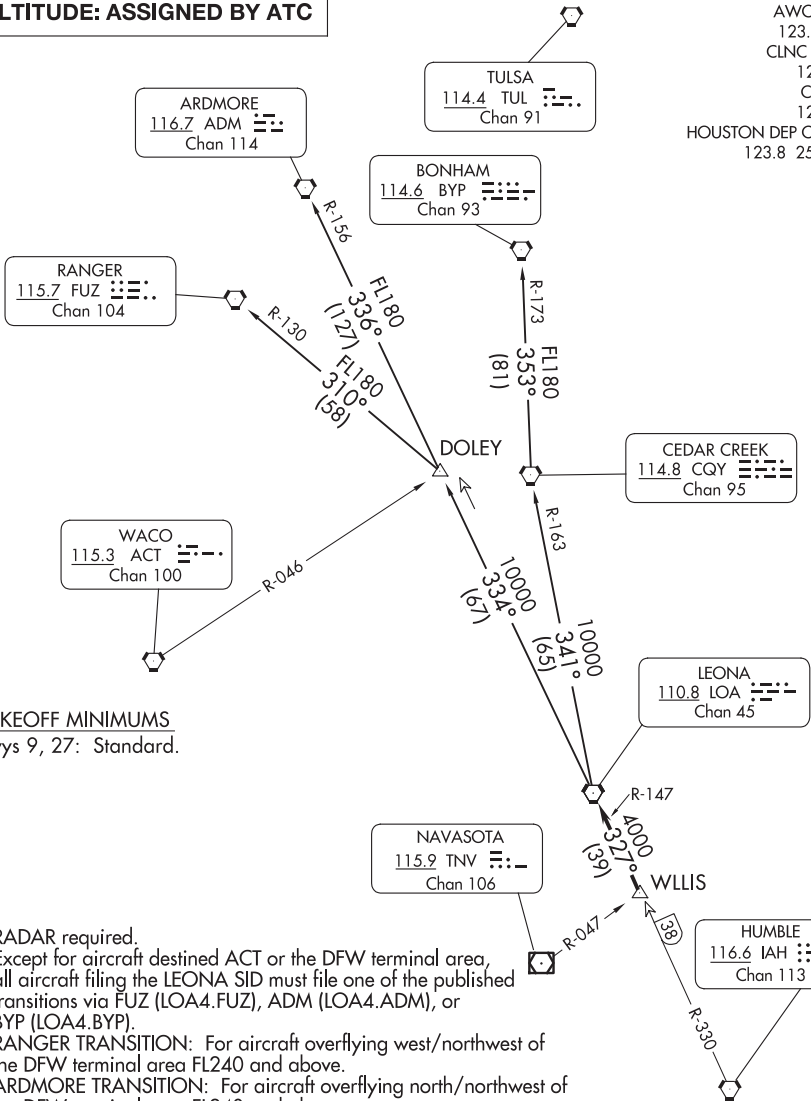
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TOP ALTITUDE: ASSIGNED BY ATC

AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7



TAKEOFF MINIMUMS  
Rwys 9, 27: Standard.

- NOTE: RADAR required.
- NOTE: Except for aircraft destined ACT or the DFW terminal area, all aircraft filing the LEONA SID must file one of the published transitions via FUZ (LOA4.FUZ), ADM (LOA4.ADM), or BYP (LOA4.BYP).
- NOTE: RANGER TRANSITION: For aircraft overflying west/northwest of the DFW terminal area FL240 and above.
- NOTE: ARDMORE TRANSITION: For aircraft overflying north/northwest of the DFW terminal area FL240 and above.
- NOTE: BONHAM TRANSITION: For aircraft overflying/landing TUL VORTAC FL240 and above.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

(LOA4.LOA) 21336

LEONA FOUR DEPARTURE

AL-6575 (FAA)

HOUSTON/SOUTHWEST (AXH)  
HOUSTON, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

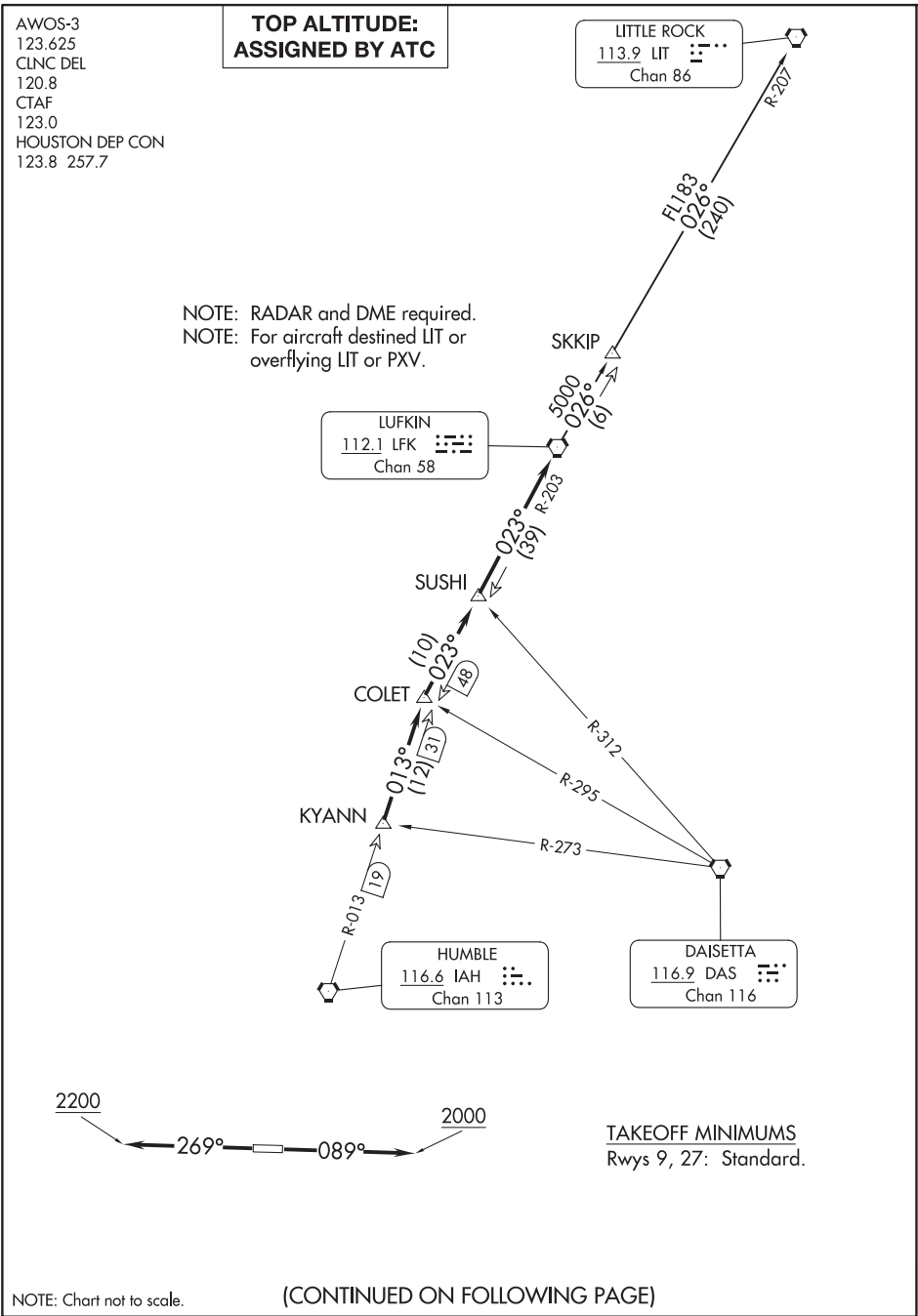
ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

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LUFKIN THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

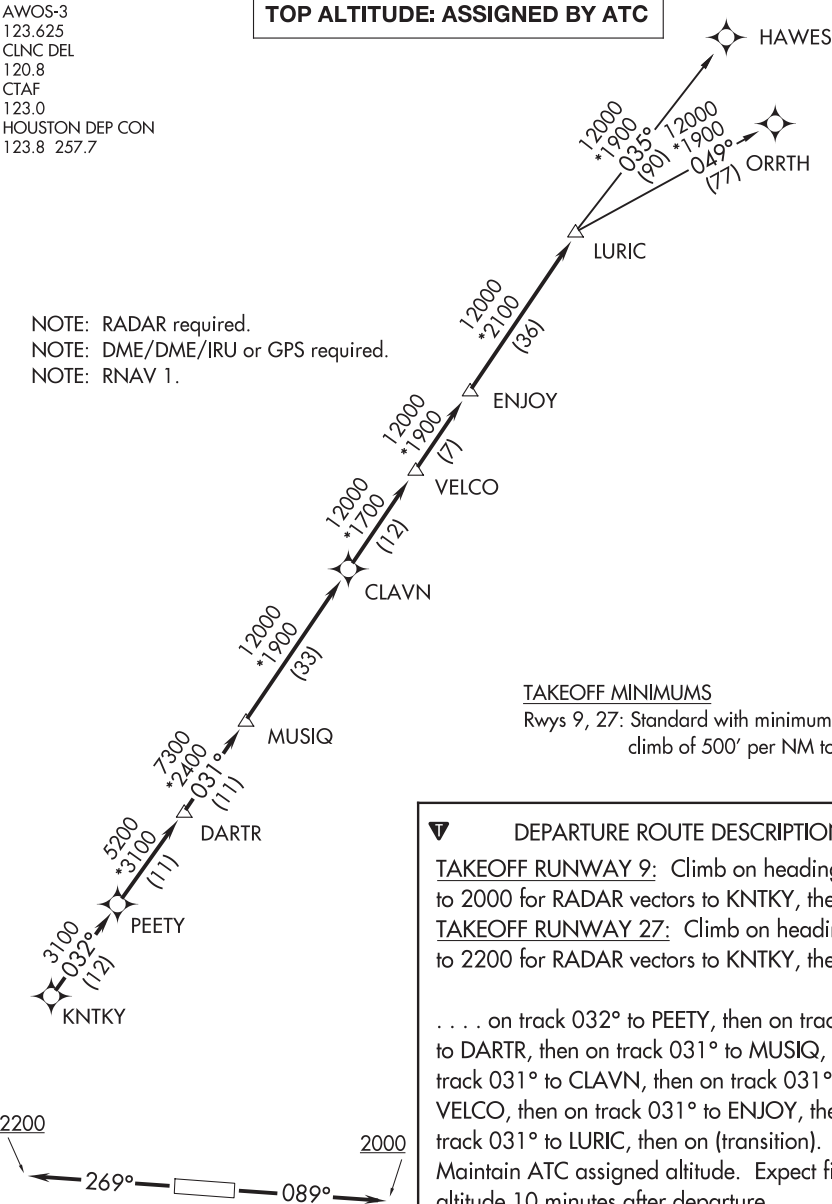
SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS

Rwys 9, 27: Standard with minimum  
climb of 500' per NM to 580.



DEPARTURE ROUTE DESCRIPTION

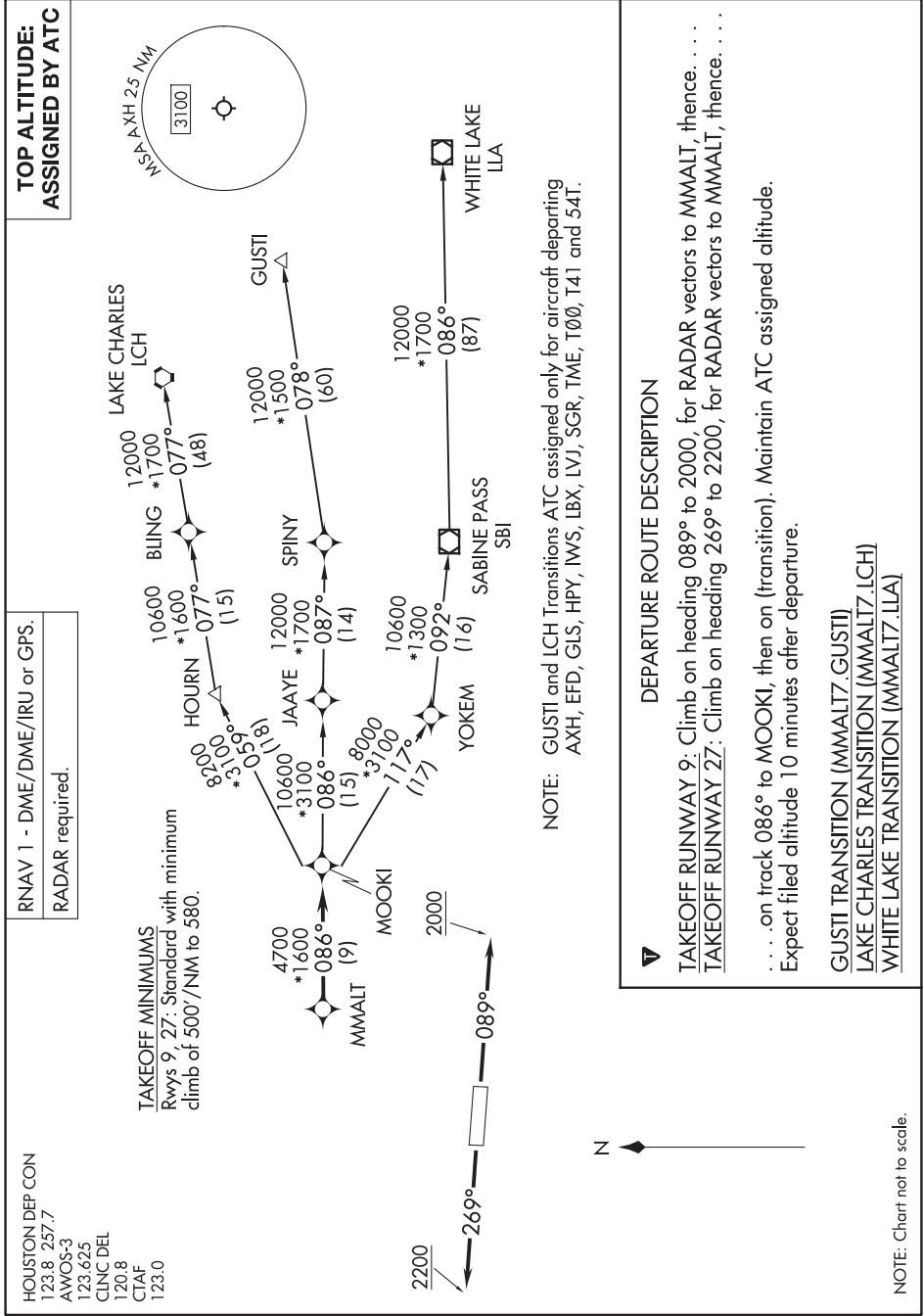
TAKEOFF RUNWAY 9: Climb on heading 089°  
to 2000 for RADAR vectors to KNTKY, then . . .  
TAKEOFF RUNWAY 27: Climb on heading 269°  
to 2200 for RADAR vectors to KNTKY, then . . .

. . . on track 032° to PEETY, then on track 032°  
to DARTR, then on track 031° to MUSIQ, then on  
track 031° to CLAVN, then on track 031° to  
VELCO, then on track 031° to ENJOY, then on  
track 031° to LURIC, then on (transition).  
Maintain ATC assigned altitude. Expect filed  
altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

MMALT SEVEN DEPARTURE (RNAV)



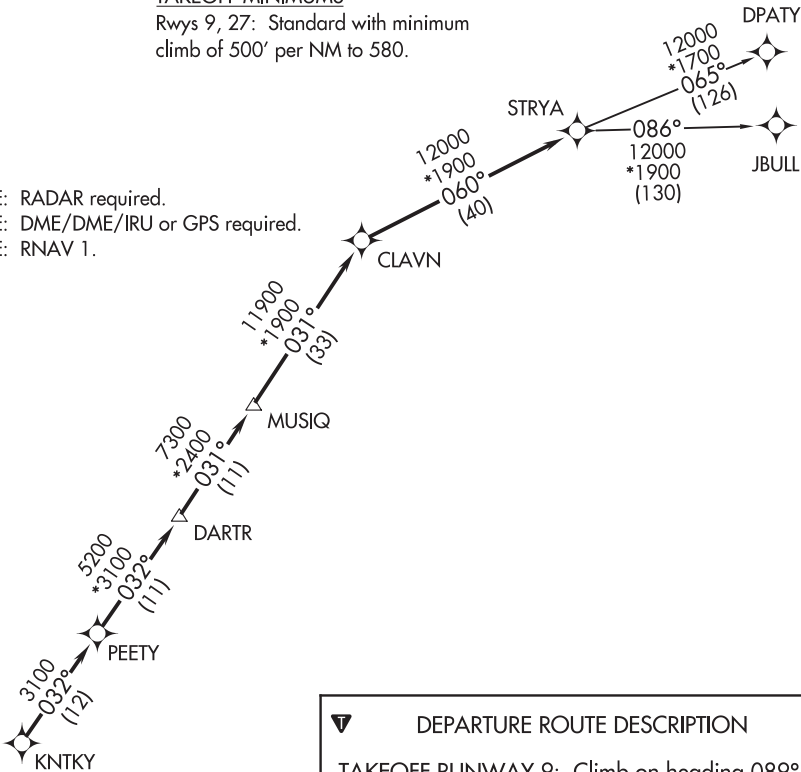
AWOS-3  
123.625  
CTAF  
123.0  
CLNC DEL  
120.8  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS

Rwys 9, 27: Standard with minimum climb of 500' per NM to 580.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 for RADAR vectors to KNTKY, thence. . .  
TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

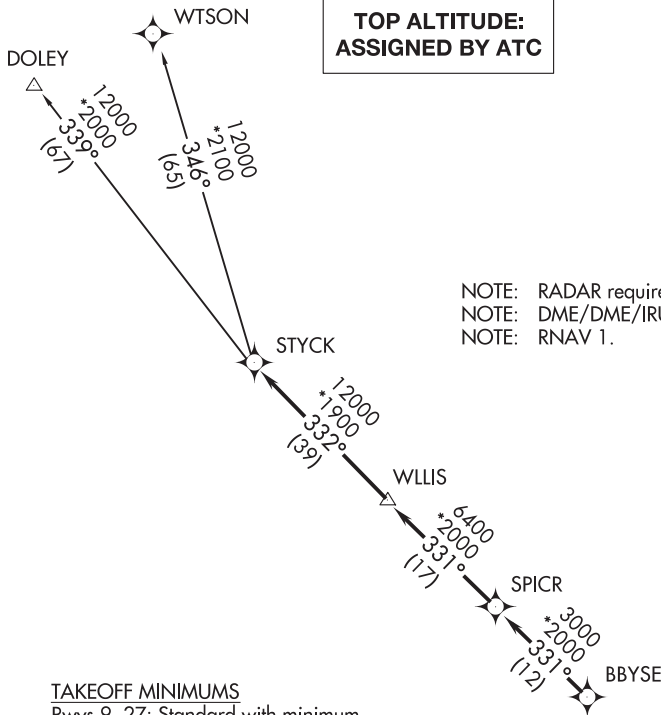
(STYCK8.STYCK) 21336

AL-6575 (FAA)

HOUSTON/SOUTHWEST (A.XH)

## STYCK EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS



**TOP ALTITUDE:  
ASSIGNED BY ATC**

AWOS-3

123.625

CLNC DEL

120.8

CTAF

123.0

HOUSTON DEP CON

123.8 257.7

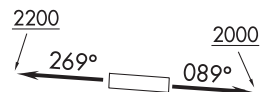
NOTE: RADAR required.

NOTE: DME/DME/IRU or GPS required.

NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 9, 27: Standard with minimum  
climb of 500' per NM to 580.



NOTE: Chart not to scale.



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000 for RADAR vectors to BBYSE, thence. . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200 for RADAR vectors to BBYSE, thence. . .

. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)

WTSON TRANSITION (STYCK8.WTSON)

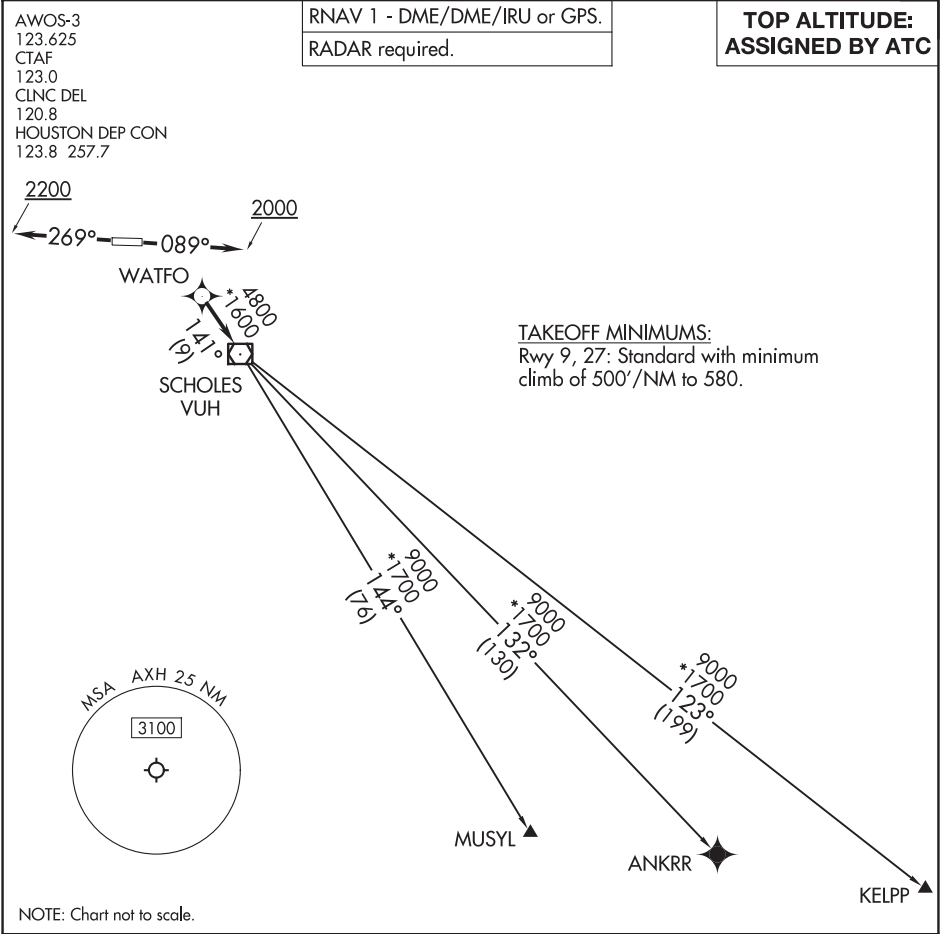
## STYCK EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

(STYCK8.STYCK) 07OCT21

HOUSTON/SOUTHWEST (A.XH)





T

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 089° to 2000, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 27: Climb on heading 269° to 2200, for RADAR vectors to WATFO, thence. . . .

. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)  
KELPP TRANSITION (WATFO6.KELPP)  
MUSYL TRANSITION (WATFO6.MUSYL)

WYLSN EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

AWOS-3  
123.625  
CLNC DEL  
120.8  
CTAF  
123.0  
HOUSTON DEP CON  
123.8 257.7

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 9, 27: Standard with minimum  
climb of 500' per NM to 580.



DEPARTURE ROUTE DESCRIPTION

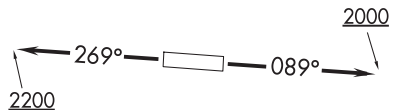
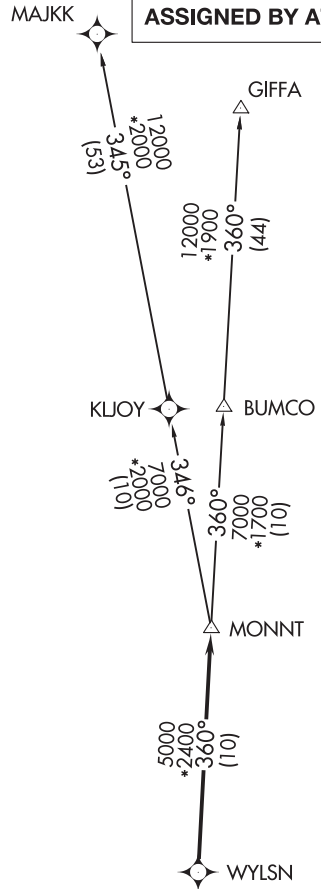
TAKEOFF RUNWAY 9: Climb on heading  
089° to 2000 for RADAR vectors to WYLSN,  
thence. . . .

TAKEOFF RUNWAY 27: Climb on heading  
269° to 2200 for RADAR vectors to WYLSN,  
thence. . . .

. . . .on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJJK TRANSITION (WYLSN8.MAJKK)

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.

WYLSN EIGHT DEPARTURE (RNAV)

(WYLSN8.WYLSN) 07OCT21

HOUSTON, TEXAS

HOUSTON/SOUTHWEST (A.XH)

HOUSTON, TEXAS

AL-6460 (FAA)

2219.5

WAAS CH <b>93621</b> <b>W32A</b>	APP CRS <b>322°</b>	Rwy Idg <b>4313</b> TDZE <b>43</b> Apt Elev <b>44</b>
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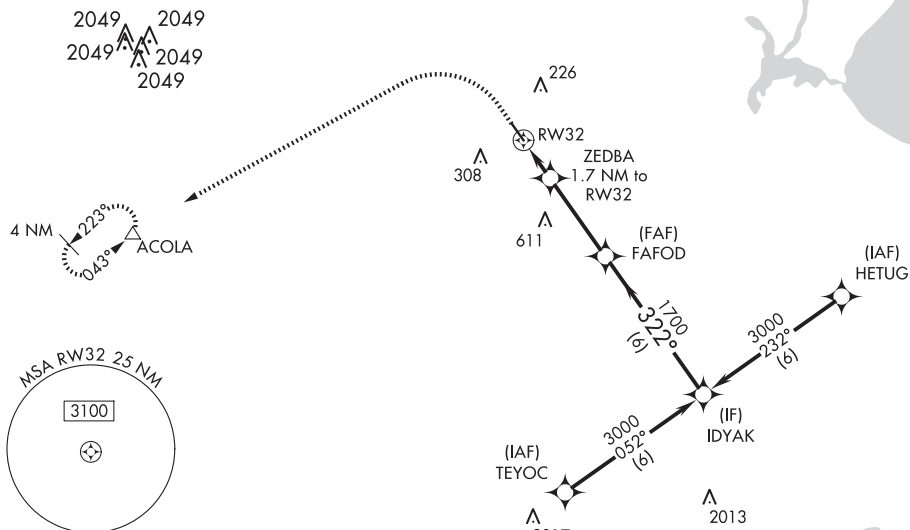
## RNAV (GPS) RWY 32

PEARLAND RGNL (LVJ)

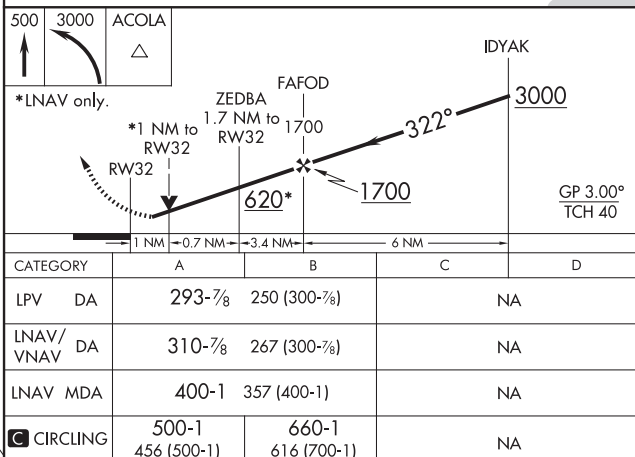
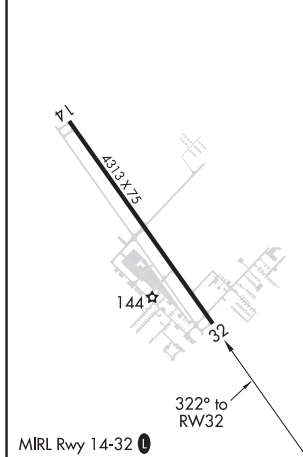
- T** Circling to Rwy 14 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -1°C (31°F) or above 54°C (130°F). When local altimeter setting not received, use William P Hobby altimeter setting and increase all DA 18 feet and all MDA 20 feet, increase LNAV/VNAV visibilities all Cats ½ mile. VDP and Baro-VNAV NA when using William P Hobby altimeter setting. DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA.

**MISSED APPROACH:**  
Climb to 500 then climbing  
left turn to 3000 direct  
ACOLA and hold.

ASOS <b>118.525</b>	HOUSTON APP CON <b>134.45 284.0</b>	CLNC DEL <b>124.0</b>	UNICOM <b>122.725 (CTAF) ①</b>
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ELEV 44		TDZE 43
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HOUSTON, TEXAS  
Amdt 4A 02APR15

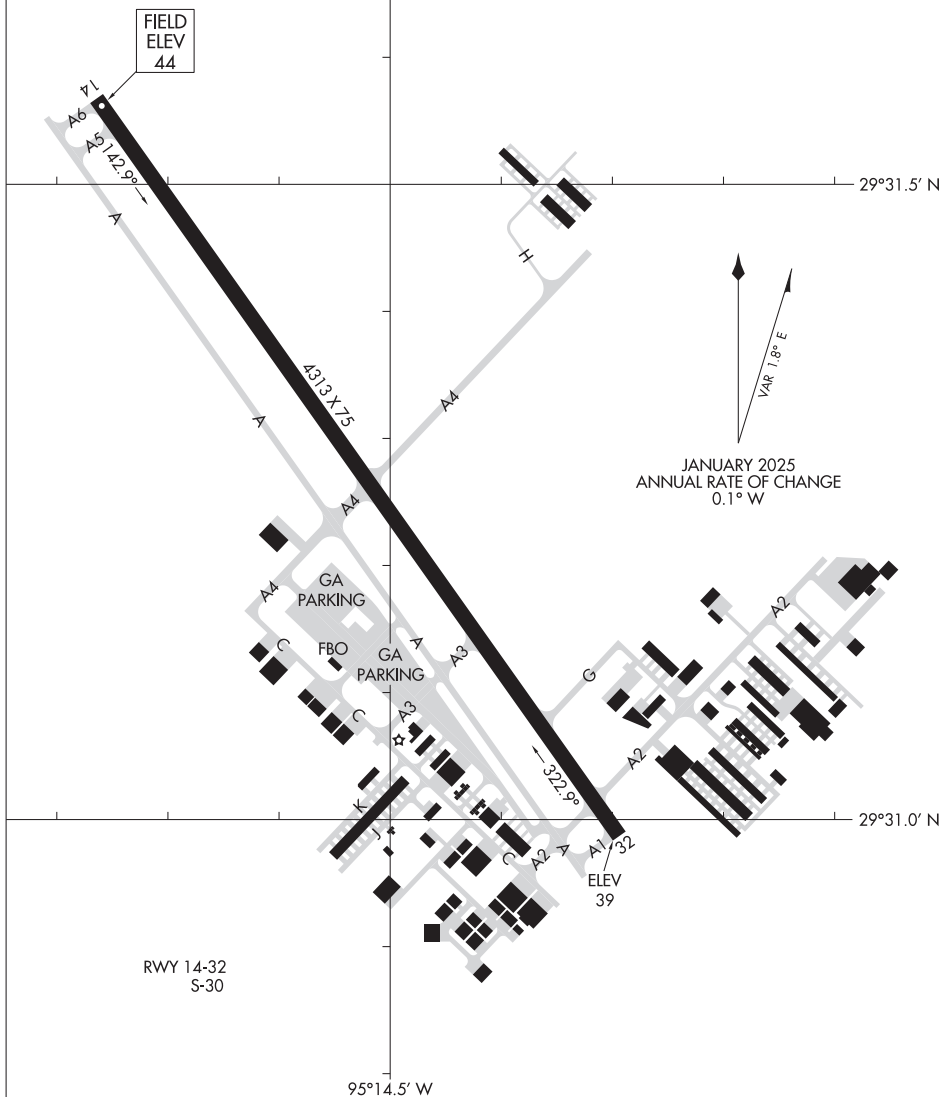
29°31'N-95°15'W  
377

PEARLAND RGNL (L.V.J)

RNAV (GPS) RWY 32

SC-5, 07 AUG 2025 to 02 OCT 2025

ASOS  
118.525  
CLNC DEL  
124.0  
CTAF/UNICOM  
122.725



## AIRPORT DIAGRAM

25107

HOUSTON, TEXAS  
PEARLAND RGNL (LVJ)

SC-5, 07 AUG 2025 to 02 OCT 2025

(BLTWY7.BLTWY) 21280

AL-6460 (FAA)

PEARLAND RGNL (LVJ)  
HOUSTON, TEXAS

BLTWY SEVEN DEPARTURE (RNAV)

ASOS  
118.525  
CLNC DEL  
124.0  
CTAF  
122.725  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum climb of  
500' per NM to 560.

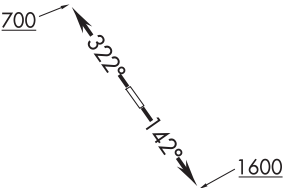
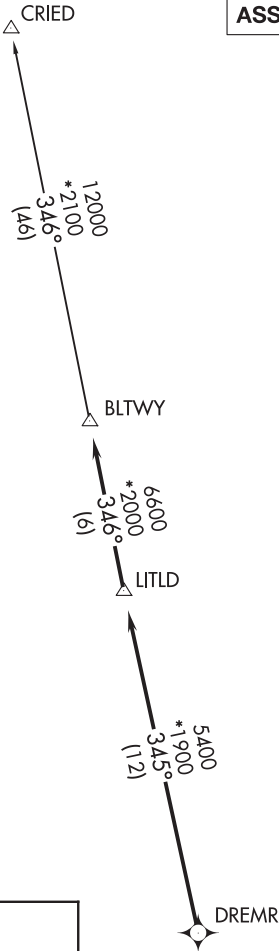
**DEPARTURE ROUTE DESCRIPTION**

TAKEOFF RUNWAY 14: Climb on heading 142° to 1600 for RADAR vectors to DREMR, thence . . .

TAKEOFF RUNWAY 32: Climb on heading 322° to 700 for RADAR vectors to DREMR, thence . . .

...on track 345° to LITLD, then on track 346° to BLTWY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

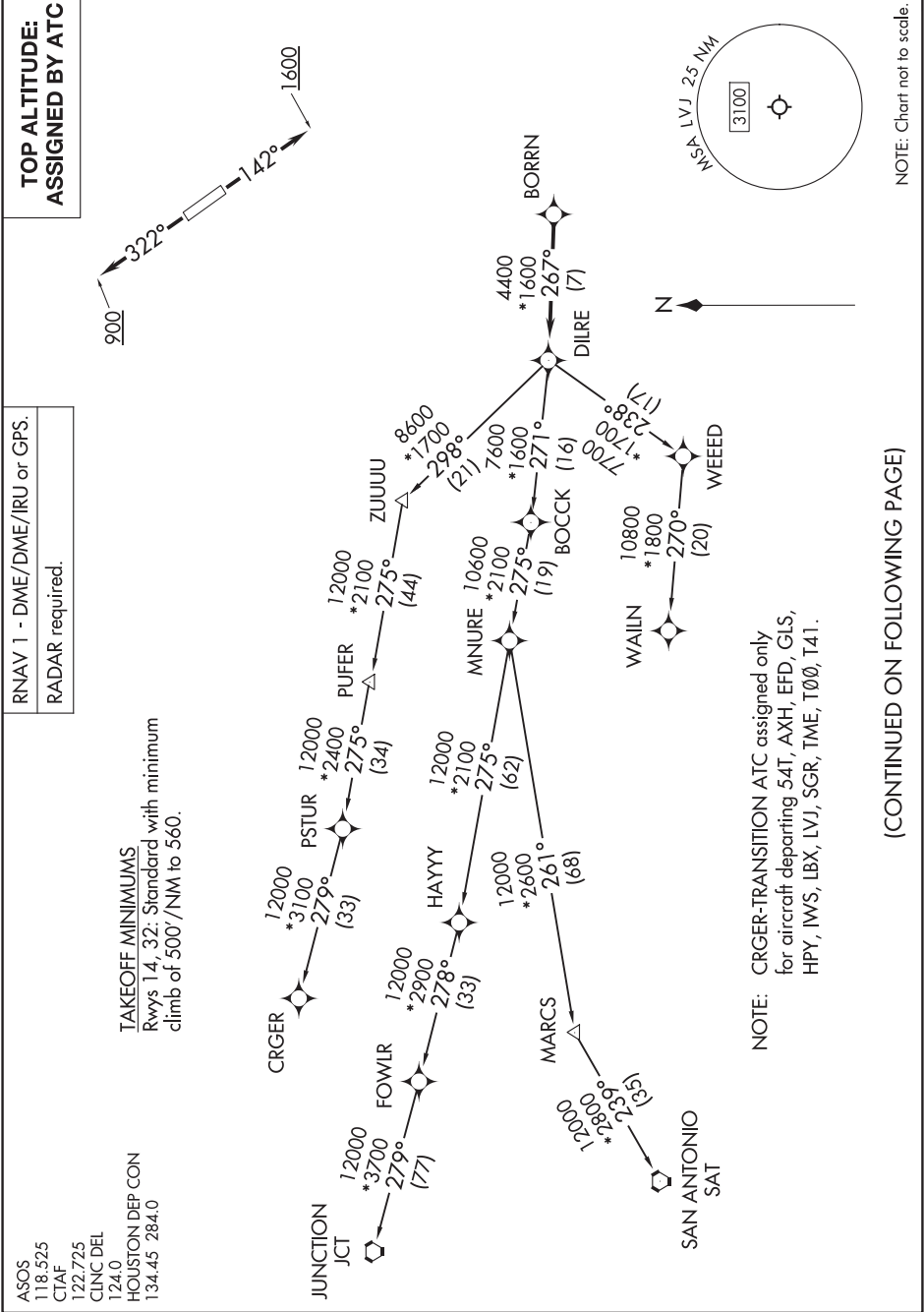
CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.

BLTWY SEVEN DEPARTURE (RNAV)  
(BLTWY7.BLTWY) 07OCT21

HOUSTON, TEXAS  
PEARLAND RGNL (LVJ)





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 142° to 1600, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 322° to 900, for RADAR vectors to BORRN, thence. . . .

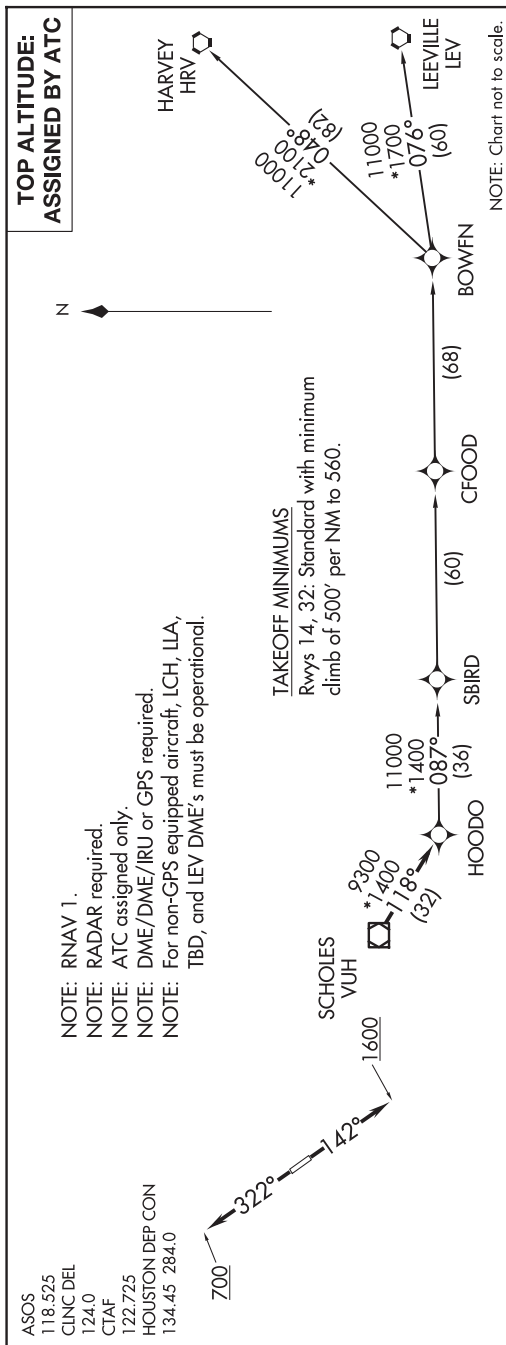
. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CRGER TRANSITION (BORRN6.CRGER)
- JUNCTION TRANSITION (BORRN6.JCT)
- MNURE TRANSITION (BORRN6.MNURE)
- SAN ANTONIO TRANSITION (BORRN6.SAT)
- WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

## HOODO SEVEN DEPARTURE (RNAV)



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading  $142^{\circ}$  to 1600, for RADAR vectors to VUH VOR/DME, thence . . . .  
TAKEOFF RUNWAY 32: Climb on heading  $322^{\circ}$  to 700, for RADAR vectors to VUH VOR/DME, thence . . . .

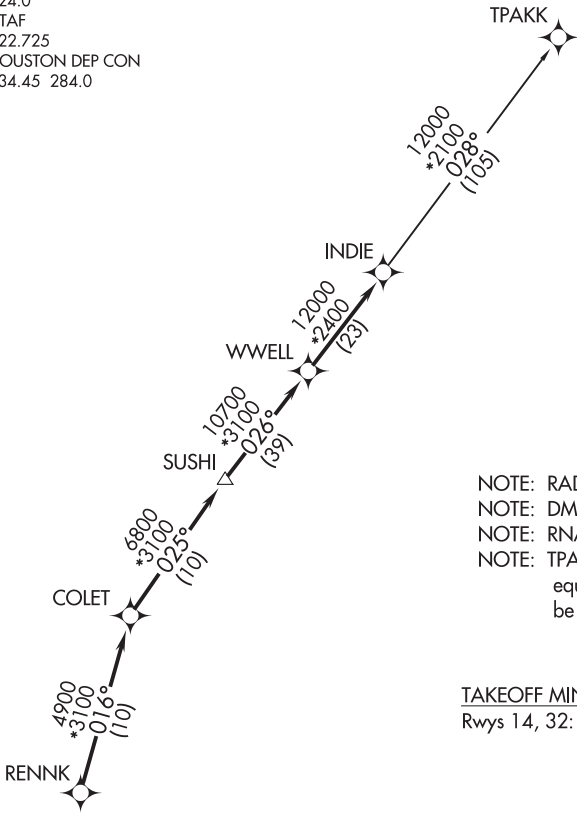
..... on track 118° to HODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOODO7.BOWFN)  
CFOOD TRANSITION (HOODO7.CFOOD)  
HARVEY TRANSITION (HOODO7.HRV)  
LEEVILLE TRANSITION (HOODO7.LEV)  
SBIRD TRANSITION (HOODO7.SBIRD)



ASOS  
118.525  
CLNC DEL  
124.0  
CTAF  
122.725  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC



- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS equipped aircraft TNV DME must be operational.

TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum climb of 500' per NM to 560.

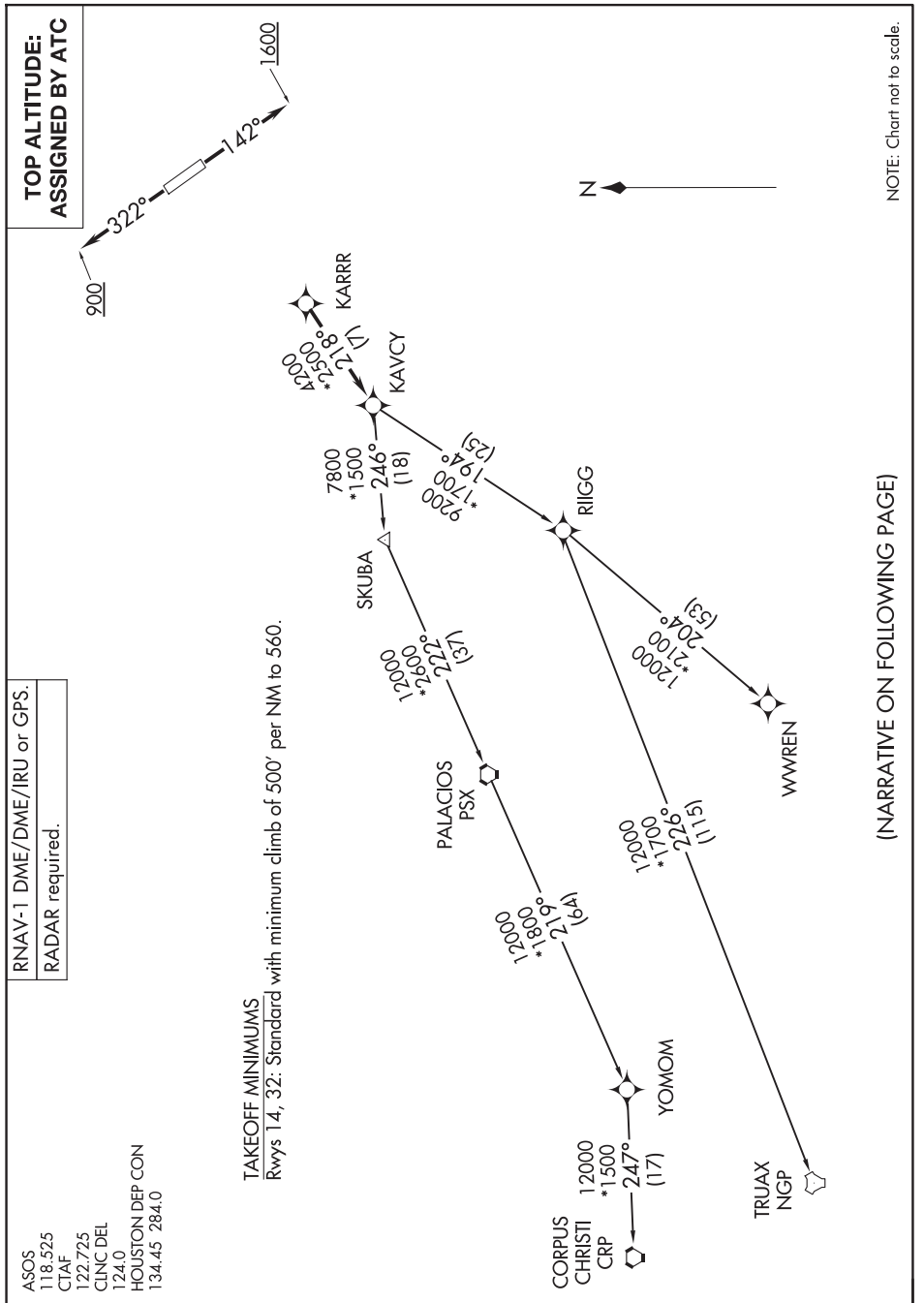
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 142° to 1600 for RADAR vectors to RENNK, thence . . . .  
TAKEOFF RUNWAY 32: Climb on heading 322° to 700 for RADAR vectors to RENNK, thence . . . .  
. . . . on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on (transition).  
Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

## KARRR SEVEN DEPARTURE (RNAV)



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

## KARRR SEVEN DEPARTURE (RNAV)

(KARRR7.KARRR) 29DEC22

HOUSTON, TEXAS  
PEARLAND RGNL (LVJ)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 142° to 1 600, for RADAR vectors to KARRR, thence. . . .  
TAKEOFF RUNWAY 32: Climb on heading 322° to 900, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (KARRR7.CRP)
- PALACIOS TRANSITION (KARRR7.PSX)
- TRUAX TRANSITION (KARRR7.NGP)
- WWREN TRANSITION (KARRR7.WWREN)
- YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

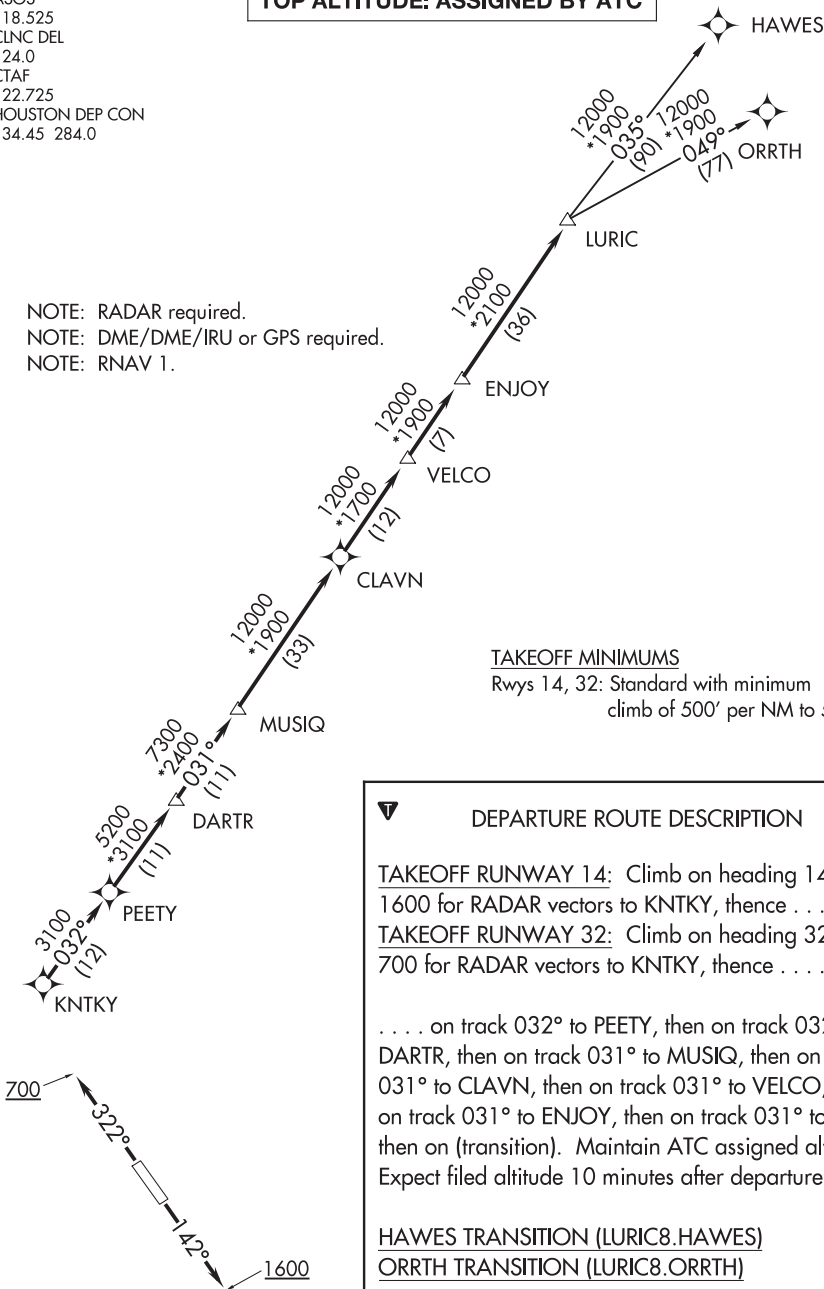
SC-5, 07 AUG 2025 to 02 OCT 2025

LURIC EIGHT DEPARTURE (RNAV)

ASOS  
118.525  
CLNC DEL  
124.0  
CTAF  
122.725  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

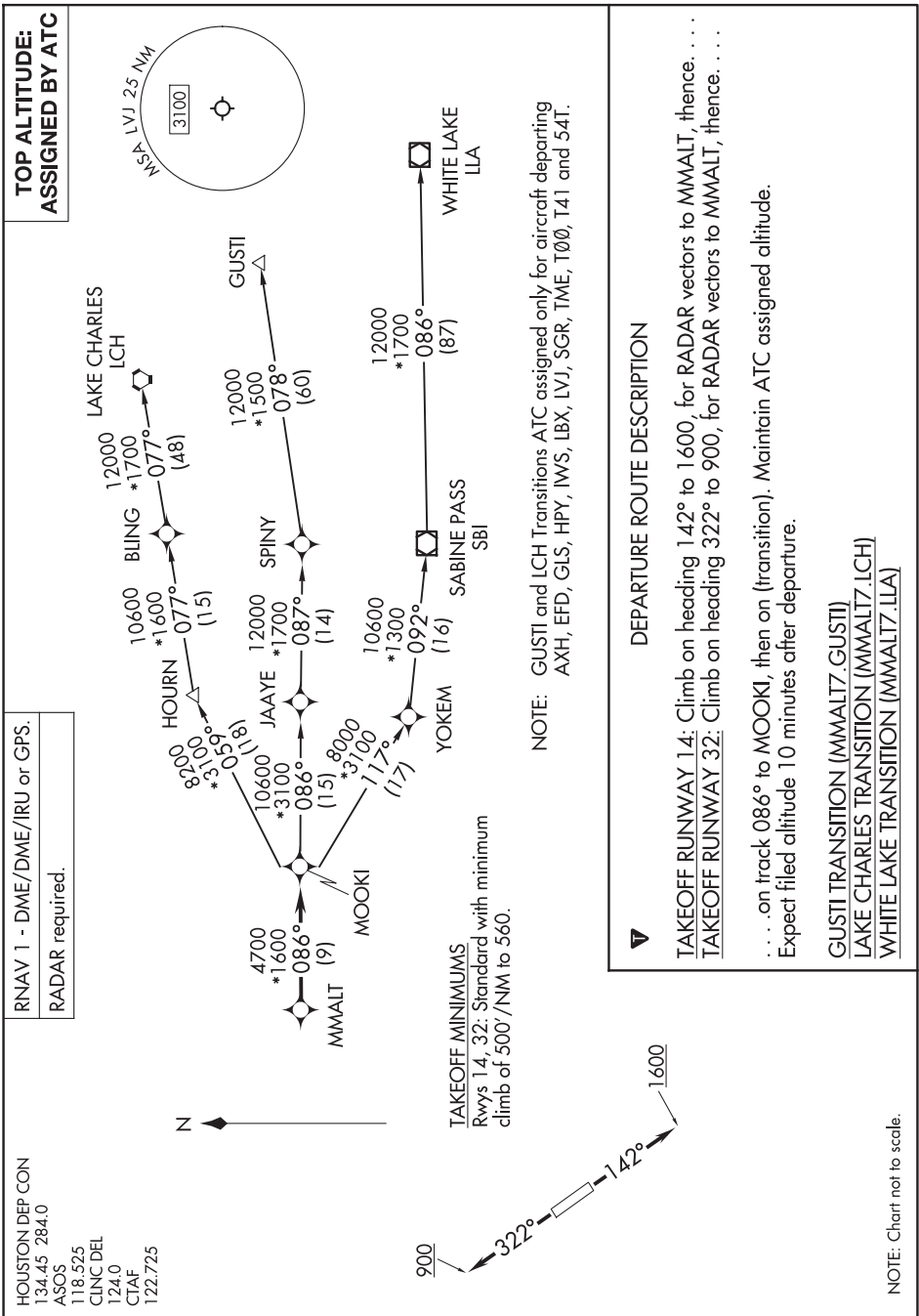
NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



NOTE: Chart not to scale.

## MMALT SEVEN DEPARTURE (RNAV)

HOUSTON, TEXAS



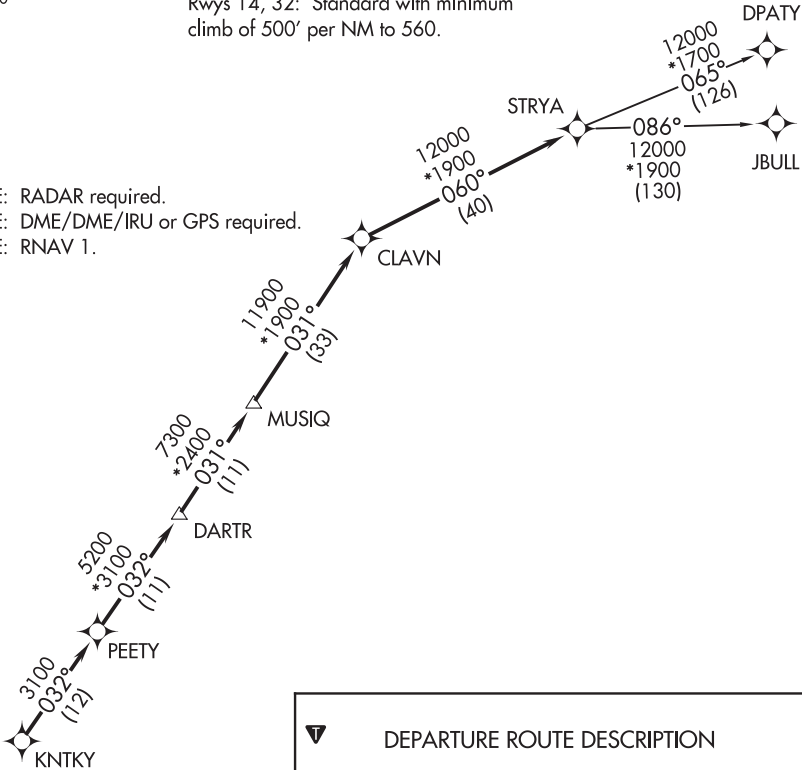
STRYA EIGHT DEPARTURE (RNAV)

TOP ALTITUDE: ASSIGNED BY ATC

ASOS  
118.525  
CTAF  
122.725  
CLNC DEL  
124.0  
HOUSTON DEP CON  
134.45 284.0

**TAKEOFF MINIMUMS**  
Rwys 14, 32: Standard with minimum  
climb of 500' per NM to 560.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

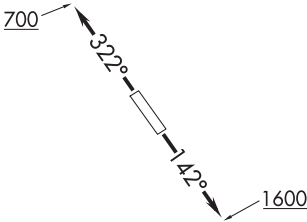


DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 14:** Climb on heading 142° to 1600 for RADAR vectors to KNTKY, thence. . .  
**TAKEOFF RUNWAY 32:** Climb on heading 322° to 700 for RADAR vectors to KNTKY, thence. . .

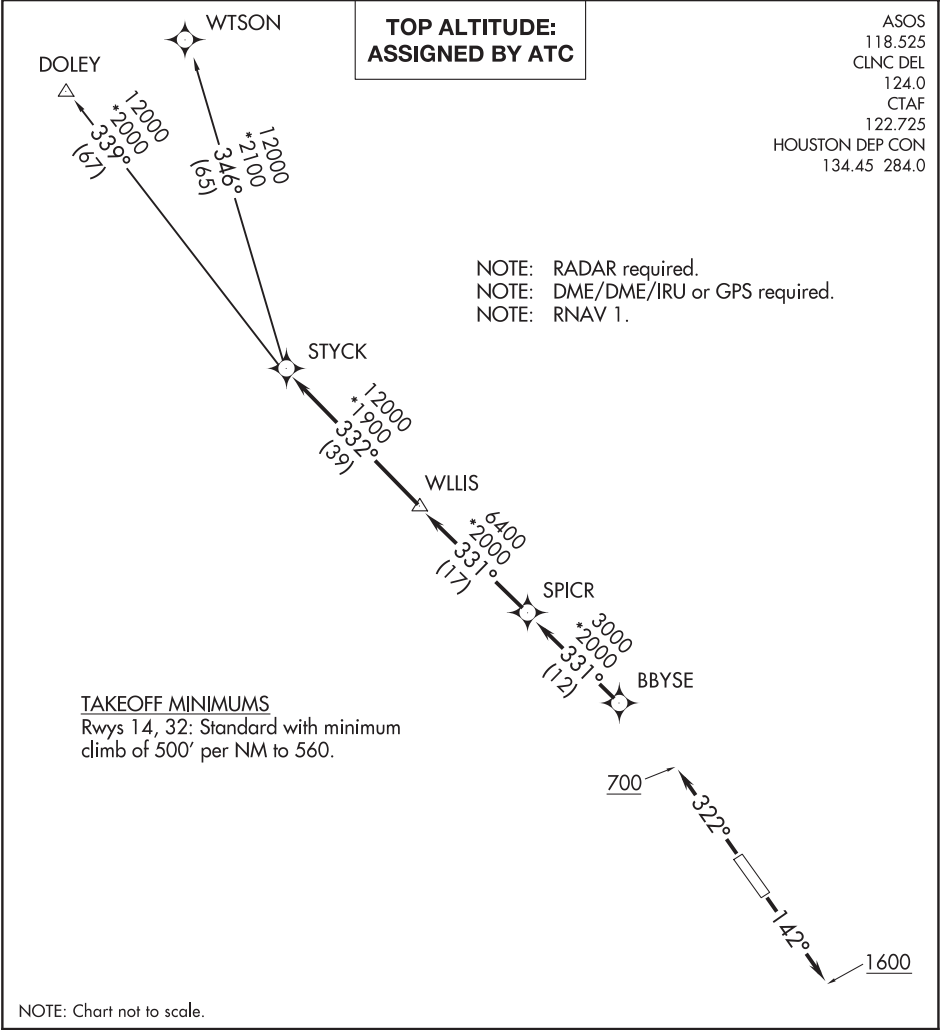
. . .on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

**DPATY TRANSITION (STRYA8.DPATY)**  
**JBULL TRANSITION (STRYA8.JBULL)**



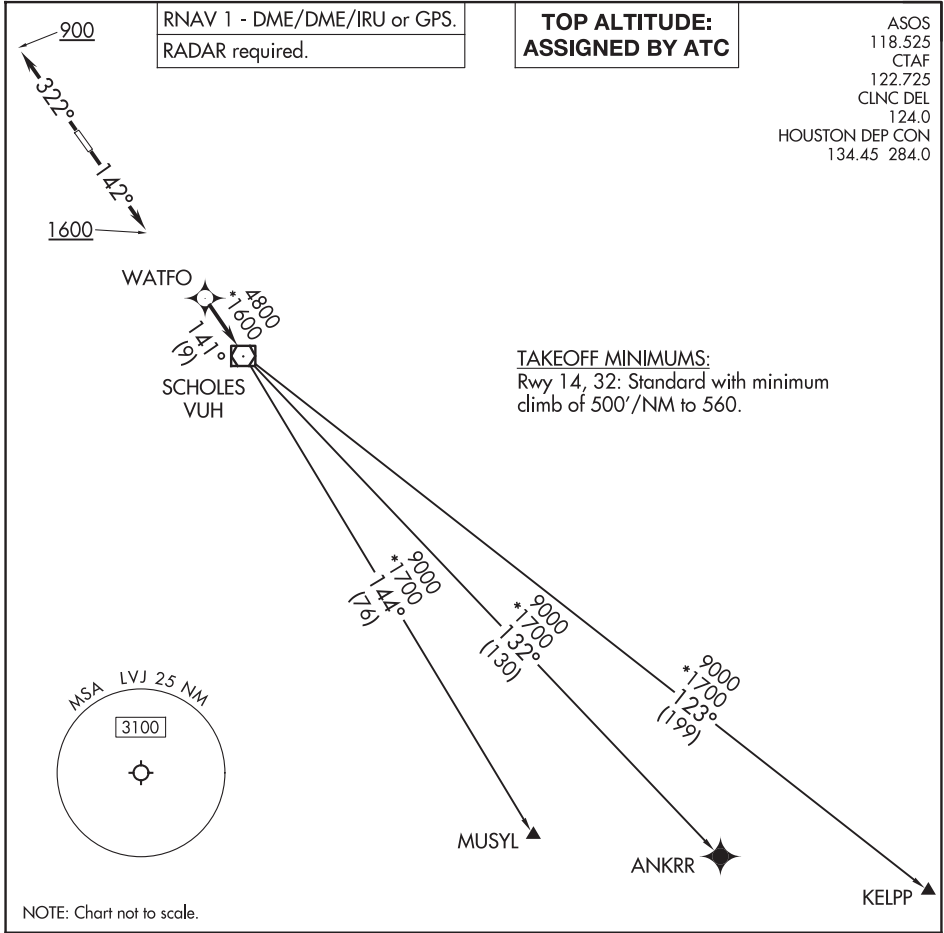
NOTE: Chart not to scale.

STRYA EIGHT DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION	
TAKEOFF RUNWAY 14:	Climb on heading 142° to 1600 for RADAR vectors to BBYSE, thence. . .
TAKEOFF RUNWAY 32:	Climb on heading 322° to 700 for RADAR vectors to BBYSE, thence. . .
. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.	
DOLEY TRANSITION (STYCK8.DOLEY) WTSON TRANSITION (STYCK8.WTSON)	

WATFO SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION
<p><u>TAKEOFF RUNWAY 14:</u> Climb on heading 142° to 1600, for RADAR vectors to WATFO, thence. . . .</p> <p><u>TAKEOFF RUNWAY 32:</u> Climb on heading 322° to 900, for RADAR vectors to WATFO, thence. . . .</p> <p>. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.</p> <p><u>ANKRR TRANSITION (WATFO6.ANKRR)</u></p> <p><u>KELPP TRANSITION (WATFO6.KELPP)</u></p> <p><u>MUSYL TRANSITION (WATFO6.MUSYL)</u></p>



ASOS  
118.525  
CLNC DEL  
124.0  
CTAF  
122.725  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 14, 32: Standard with minimum  
climb of 500' per NM to 560.

DEPARTURE ROUTE DESCRIPTION

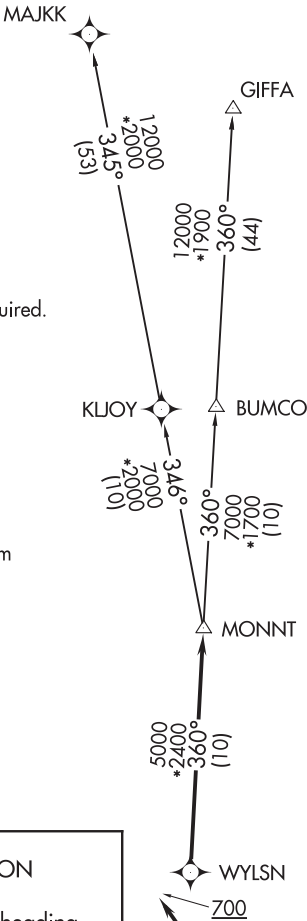
TAKEOFF RUNWAY 14: Climb on heading  
142° to 1600 for RADAR vectors to WYLSN,  
thence. . . .

TAKEOFF RUNWAY 32: Climb on heading  
322° to 700 for RADAR vectors to WYLSN,  
thence. . . .

. . . .on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)

MAJKK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.

LOC/DME I-TXH <b>110.7</b> Chan <b>44</b>	APP CRS <b>350°</b>	Rwy Idg <b>6016</b> TDZE <b>78</b> Apt Elev <b>82</b>
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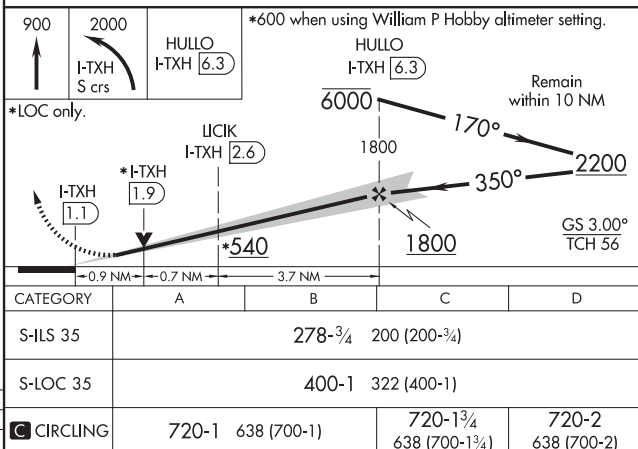
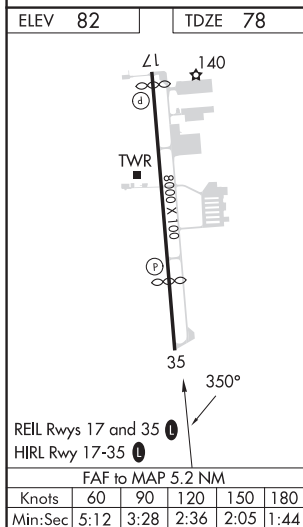
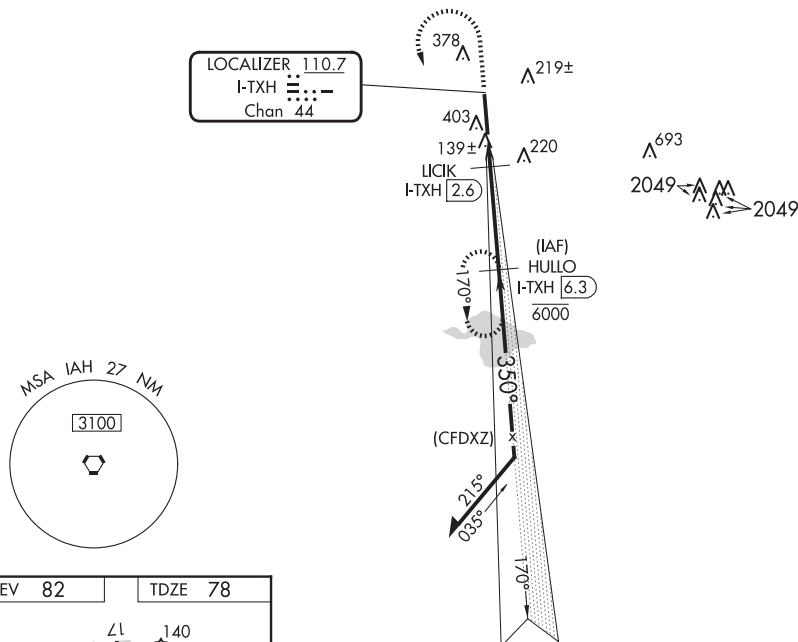
ILS or LOC RWY 35  
SUGAR LAND RGNL (SGR)

DME required.  
RADAR required for procedure entry.

**T** VDP NA when using William P Hobby altimeter setting. When local altimeter setting not received, use William P Hobby altimeter setting and increase all  
**A** DA 51 feet and all MDA 60 feet and S-LOC 35 Cat C/D visibility  $\frac{1}{8}$  mile, and Circling Cat C/D visibility  $\frac{1}{4}$  mile.

**MISSED APPROACH:** Climb to 900 then climbing left turn to 2000 on I-TXH localizer south course to HULLO/I-TXH 6.3 DME and hold.

ATIS <b>118.125</b>	HOUSTON APP CON <b>123.8 257.7</b>	SUGAR LAND TOWER ★ <b>118.65 (CTAF) 0</b>	GND CON <b>121.4</b>	CLNC DEL <b>121.4</b>	CLNC DEL <b>119.25</b> (when twr closed)	UNICOM <b>122.95</b>
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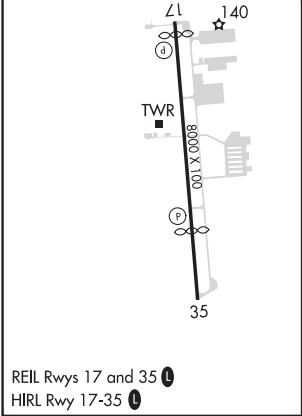
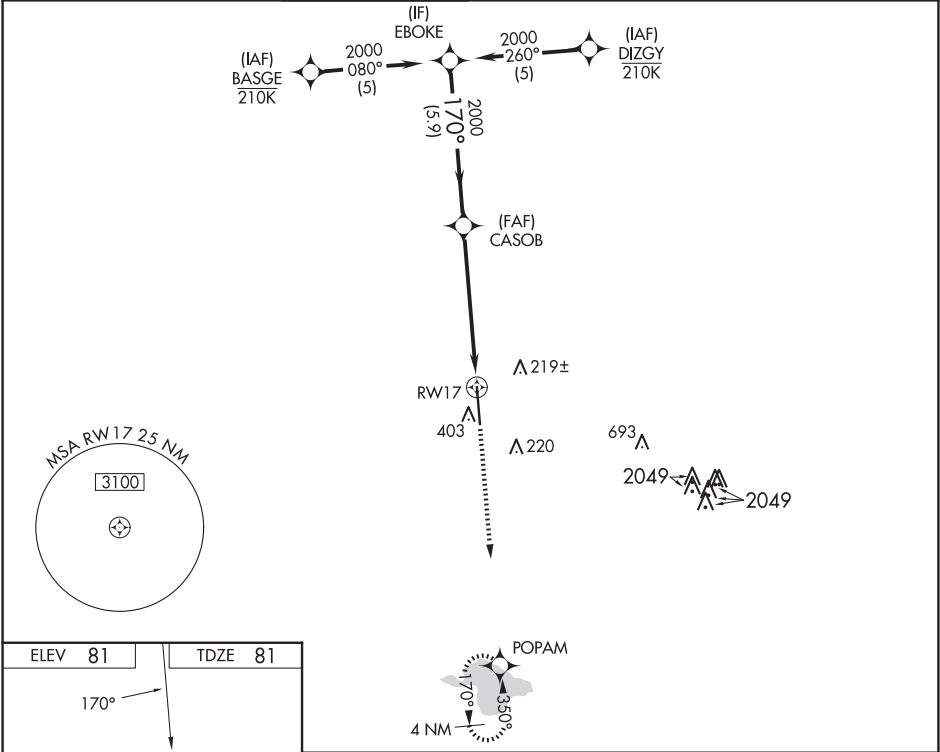
WAAS CH <b>82513</b> <b>W17A</b>	APP CRS <b>170°</b>	Rwy Idg TDZE Apt Elev	<b>7620</b> <b>81</b> <b>81</b>
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RNAV (GPS) RWY 17

SUGAR LAND RGNL (SGR)

RNP APCH - GPS.	MISSED APPROACH: Climb to 2000 direct POPAM and hold.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C or above 54°C. Rwy 17 helicopter visibility reduction below ¾ SM NA.	

ATIS <b>118.125</b>	HOUSTON APP CON <b>123.8 257.7</b>	SUGAR LAND TOWER★ <b>118.65</b> (CTAF) <b>0</b>	GND CON <b>121.4</b>	CLNC DEL <b>121.4</b>	CLNC DEL <b>119.25</b> (when twr closed)	UNICOM <b>122.95</b>
------------------------	---------------------------------------	--	-------------------------	--------------------------	--	-------------------------



VGSI and RNAV glidepath not coincident (VGSI Angle 3.50/TCH 52).				2000	POPAM
<p>The diagram illustrates the approach path from EBOKE to RW17. It shows a horizontal segment from EBOKE to CASOB at a distance of 5.9 NM, followed by a descent segment to RW17 at a distance of 4.5 NM. The total distance from EBOKE to RW17 is 10.4 NM. The angle between the horizontal segment and the descent segment is 170°. The altitude at CASOB is 2000 feet. The altitude at RW17 is 1.4 NM to RW17. The diagram also shows the VGSI and RNAV glidepaths diverging at 3.50 degrees. The diagram includes a legend for the 2000 feet altitude and the POPAM (Point of Arrival) symbol.</p>					
CATEGORY	A		B	C	D
LPV DA	398-1		317 (400-1)		
LNAV/VNAV DA	704-2		623 (700-2)		
LNAV MDA	640-1 559 (600-1)		640-1½ 559 (600-1½)		
CIRCLING	720-1 639 (700-1)		720-1¾ 639 (700-1¾)		720-2 639 (700-2)

HOUSTON, TEXAS

AL-5537 (FAA)

25051

WAAS CH <b>56219</b> <b>W35A</b>	APP CRS <b>350°</b>	Rwy Idg TDZE <b>78</b> Apt Elev <b>82</b>	<b>6016</b>
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RNAV (GPS) RWY 35

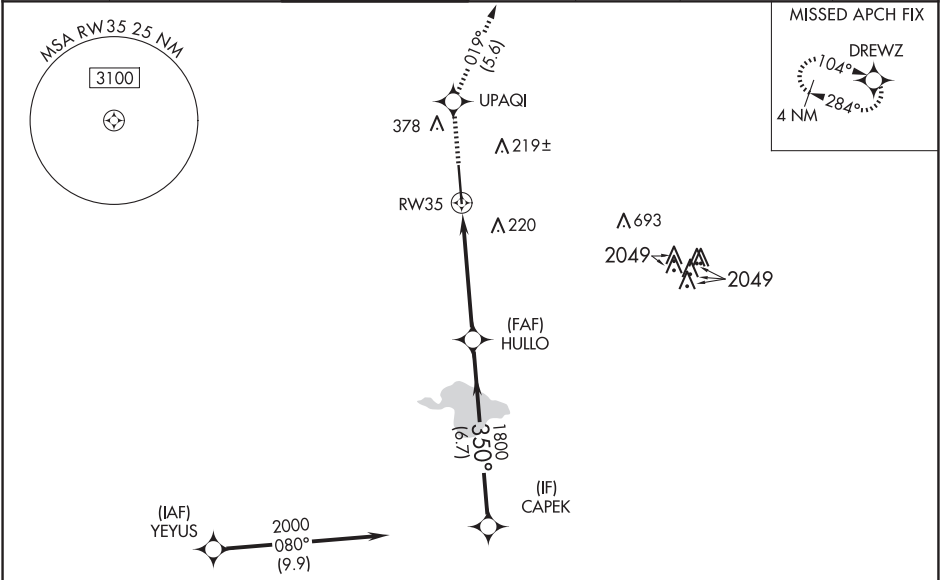
SUGAR LAND RGNL (SGR)

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 43°C (109°F).  
Baro-VNAV and VDP NA when using William P Hobby altimeter setting. When local altimeter setting not received, use William P Hobby altimeter setting: increase all DA 51 feet; increase all MDA 60 feet and increase LNAV-VNAV all Cats visibility to 1¾, LNAV Cat C/D visibility to 1⅞, and Circling Cat C visibility to 2, Cat D to 2¼. When VGSI inop, Circling Rwy 17 NA at night.

MISSED APPROACH:  
Climb to 2000 direct UPAQI and on track 019° to DREWZ and hold.

ATIS <b>118.125</b>	HOUSTON APP CON <b>123.8 257.7</b>	SUGAR LAND TOWER★ <b>118.65</b> (CTAF) <b>0</b>	GND CON <b>121.4</b>	CLNC DEL <b>121.4</b>	CLNC DEL <b>119.25</b> (when twr closed)	UNICOM <b>122.95</b>
------------------------	---------------------------------------	--	-------------------------	--------------------------	--	-------------------------



ELEV 82

TDZE 78

35

350°

REIL Rwy 17 and 35

HIRL Rwy 17-35

2000

UPAQI

tr 019°

DREWZ

\* LNAV only.

\* 1.7 NM to RW35

RW35

HULLO

1800

350°

CAPEK

2000

GP 3.00°

TCH 56

CATEGORY	A	B	C	D
LPV DA	278-¾ 200 (200-¾)			
LNAV/VNAV DA	567-1⅝ 489 (500-1⅞)			
LNAV MDA	660-1	582 (600-1)	660-1¾	582 (600-1¾)
CIRCLING	720-1	638 (700-1)	720-1¾ 638 (700-1¾)	720-2 638 (700-2)

HOUSTON, TEXAS  
Amdt 2B 23APR20

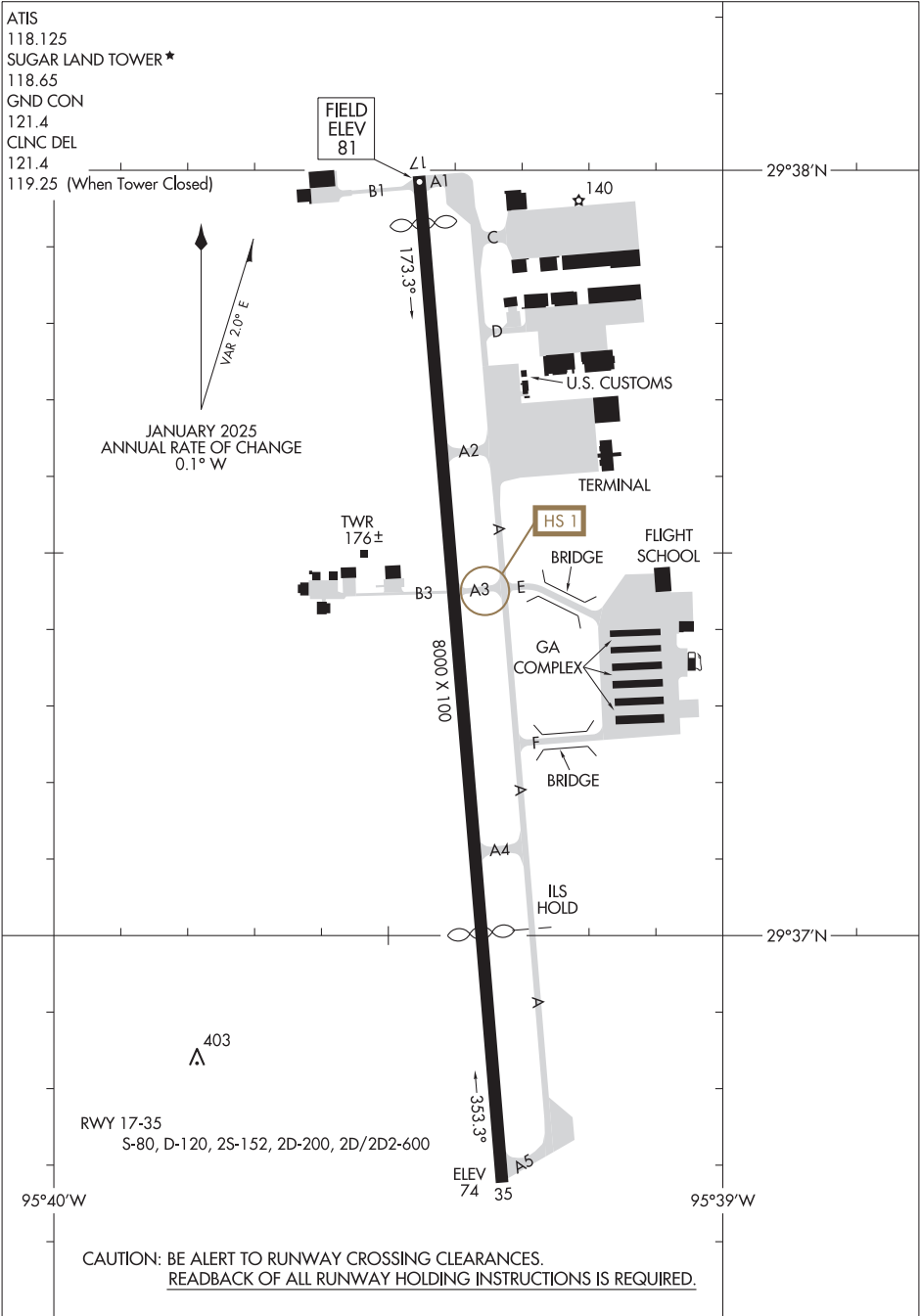
29°37'N-95°39'W

SUGAR LAND RGNL (SGR)

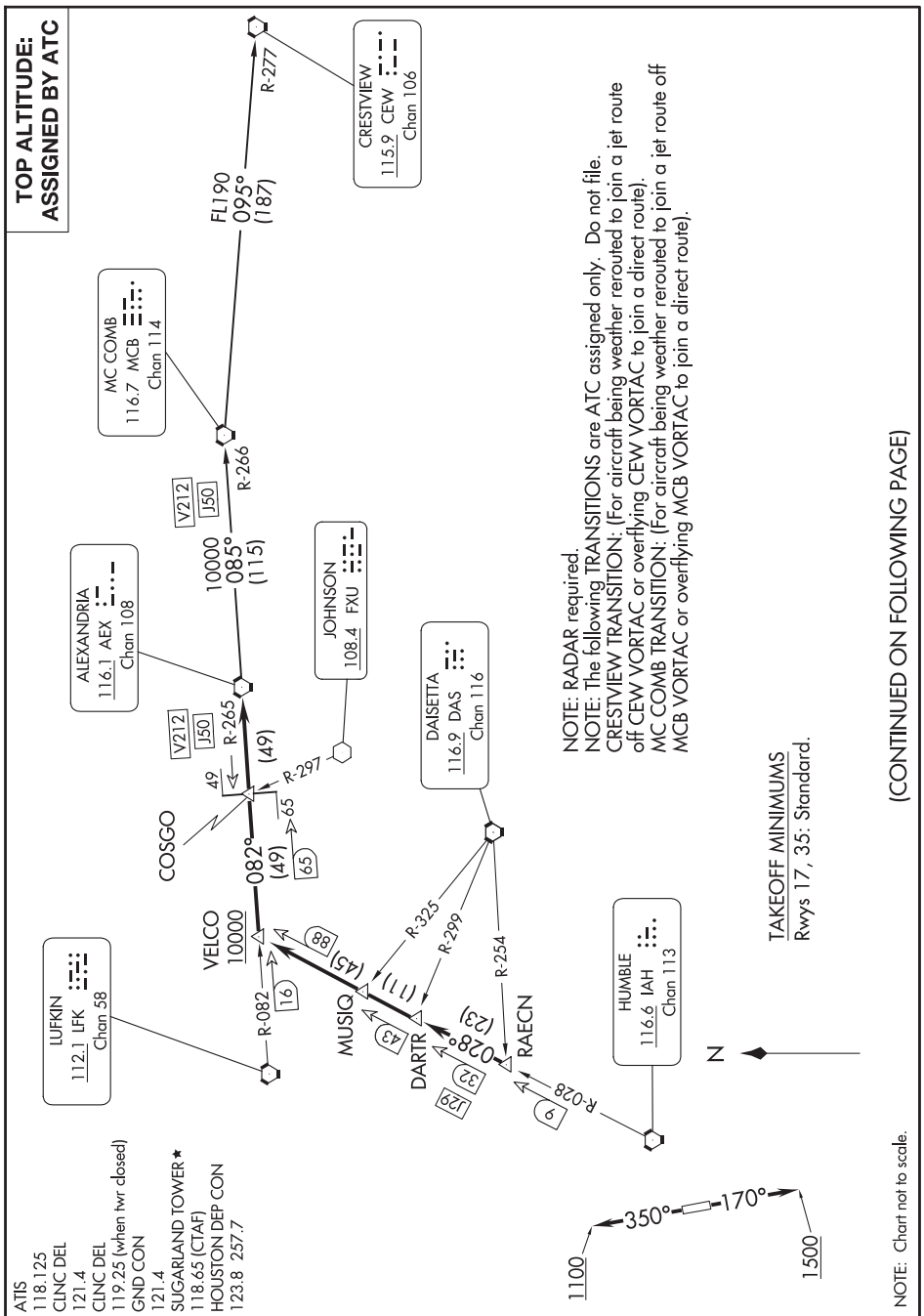
RNAV (GPS) RWY 35

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



**TOP ALTITUDE:  
ASSIGNED BY ATC**



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

(BLTWY7.BLTWY) 25051

## BLTWY SEVEN DEPARTURE (RNAV)

398  
AL-5537 (FAA)

SUGAR LAND RGNL (SGR)  
HOUSTON, TEXAS

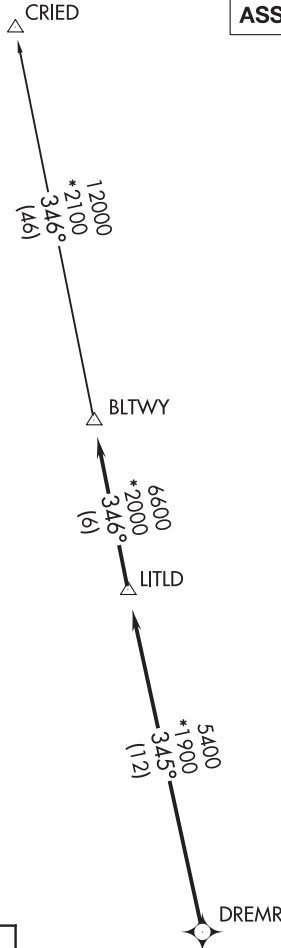
ATIS  
118.125  
CLNC DEL  
121.4  
CLNC DEL  
119.25 (when twr closed)  
GND CON  
121.4  
SUGARLAND TOWER★  
118.65 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

### TAKEOFF MINIMUMS

Rwys 17, 35: Standard with minimum climb  
of 500' per NM to 600.



### DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170°

to 1500 for RADAR vectors to DREMR, then . . .

TAKEOFF RUNWAY 35: Climb on heading 350°

to 1100 for RADAR vectors to DREMR, then . . .

...on track 345° to LITLD, then on track 346° to  
BLTWY, then on (transition). Maintain ATC  
assigned altitude. Expect filed altitude 10  
minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)

NOTE: Chart not to scale.

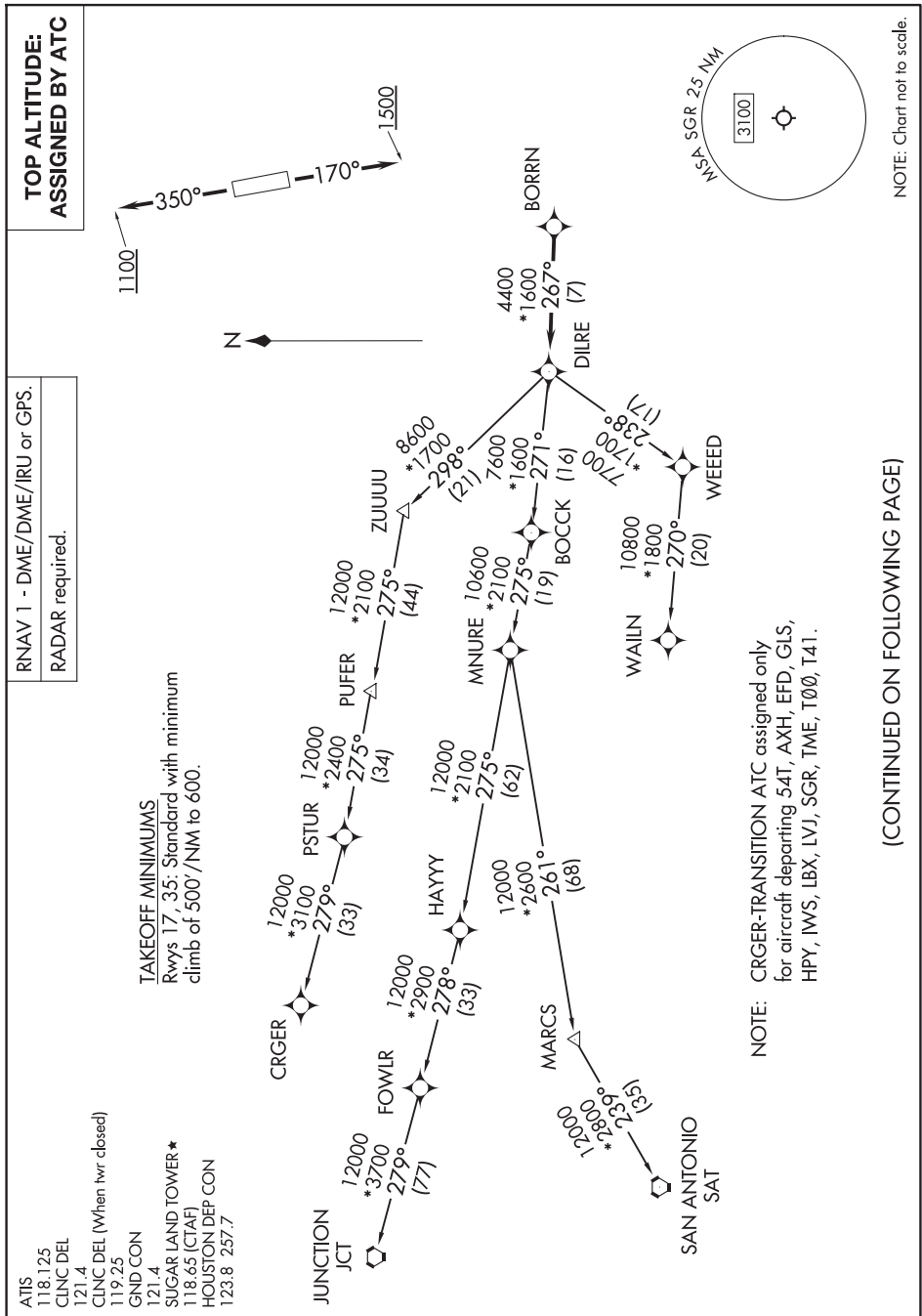
BLTWY SEVEN DEPARTURE (RNAV)  
(BLTWY7.BLTWY) 07OCT21

HOUSTON, TEXAS  
SUGAR LAND RGNL (SGR)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025







DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

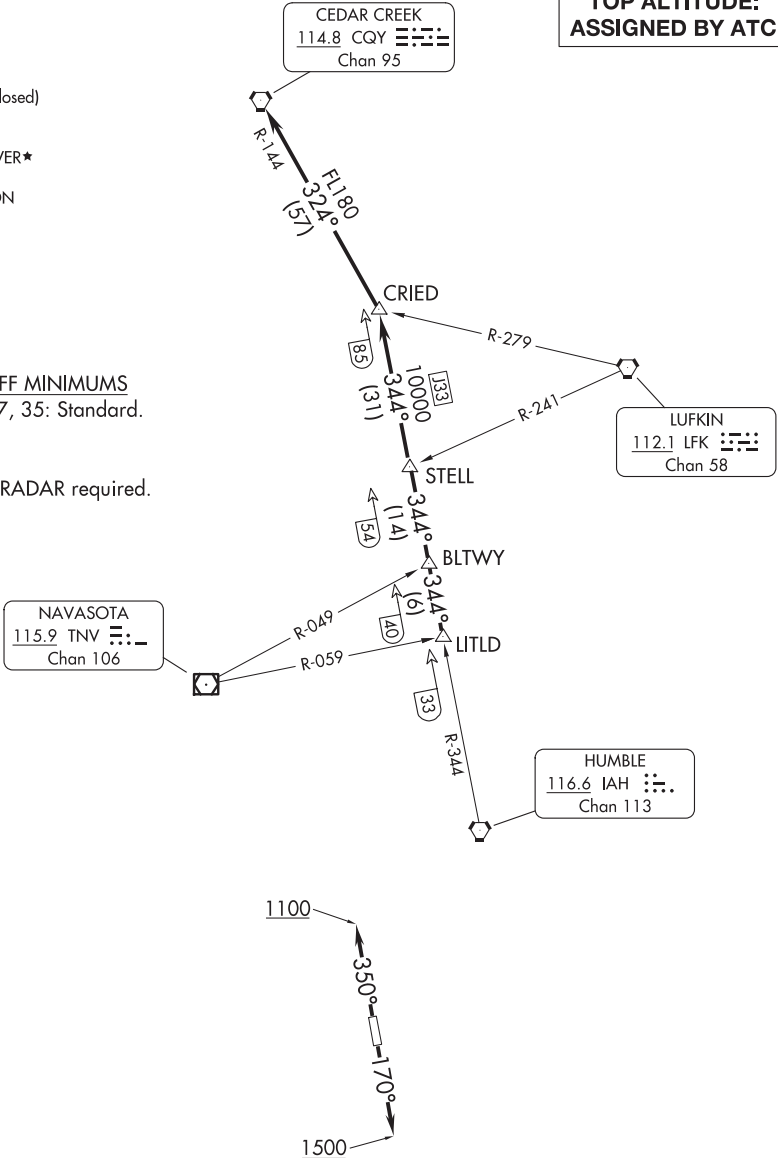
SC-5, 07 AUG 2025 to 02 OCT 2025

ATIS  
118.125  
CLNC DEL  
121.4  
CLNC DEL  
119.25 (when twr closed)  
GND CON  
121.4  
SUGAR LAND TOWER\*  
118.65 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 17, 35: Standard.

NOTE: RADAR required.



(CONTINUED ON FOLLOWING PAGE) NOTE: Chart not to scale.

CRIED ONE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . .

. . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025


## EL DORADO ONE DEPARTURE

ATIS  
 118.125  
 CLNC DEL  
 121.4  
 CLNC DEL  
 119.25 (when twr closed)  
 GND CON  
 121.4  
 SUGAR LAND TOWER ★  
 118.65 (CTAF)  
 HOUSTON DEP CON  
 123.8 257.7

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

EL DORADO  
115.5 ELD   
Chn 102

LUFKIN  
112.1 LFK   
Chan 58

MUSIQ /

DARTI

DAISETTA  
9.9 DAS 𐄂𐄂𐄂  
Chan 116

HUMBLE  
116.6 IAH :  
Chan 113

TAKEOFF MINIMUMS  
Rwys 17, 35: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## EL DORADO ONE DEPARTURE

HOUSTON, TEXAS

SUGAR LAND RGNL (SGR)

(ELD1.ELD) 07OCT21

# EL DORADO ONE DEPARTURE



## DEPARTURE ROUTE DESCRIPTION

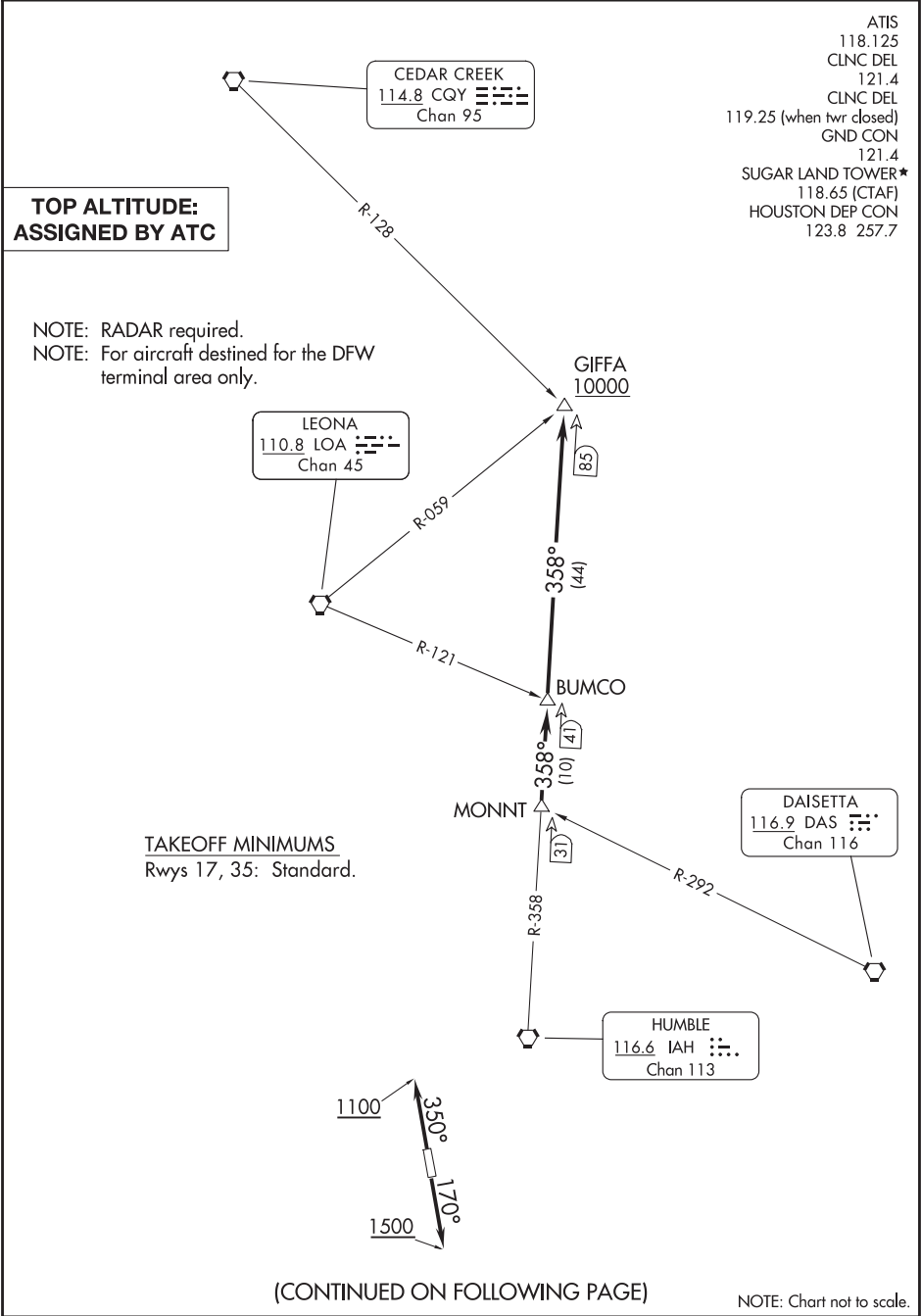
TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

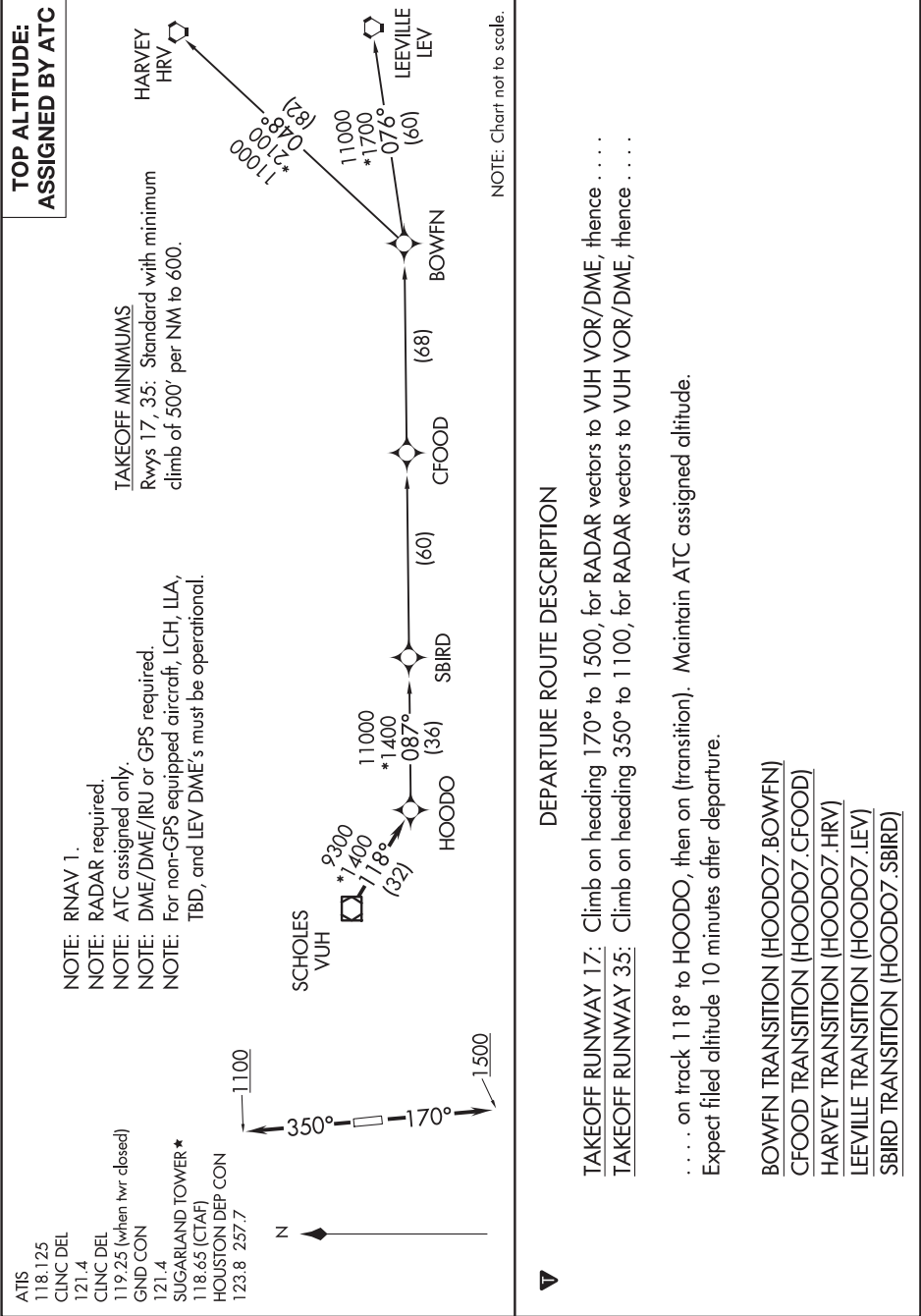
TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-358 to cross GIFFA INT at or above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

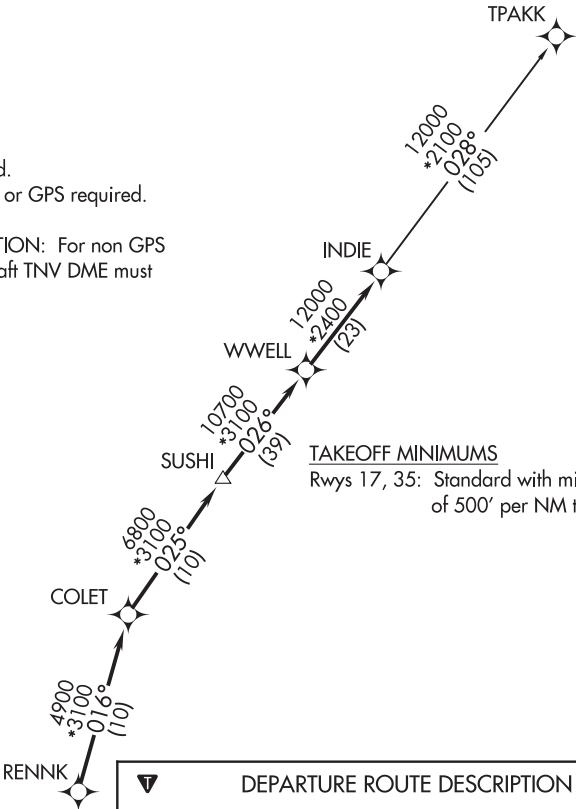




ATIS  
118.125  
CLNC DEL  
121.4  
CLNC DEL  
119.25 (when twr closed)  
GND CON  
121.4  
SUGARLAND TOWER★  
118.65 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum climb  
of 500' per NM to 600.

DEPARTURE ROUTE DESCRIPTION

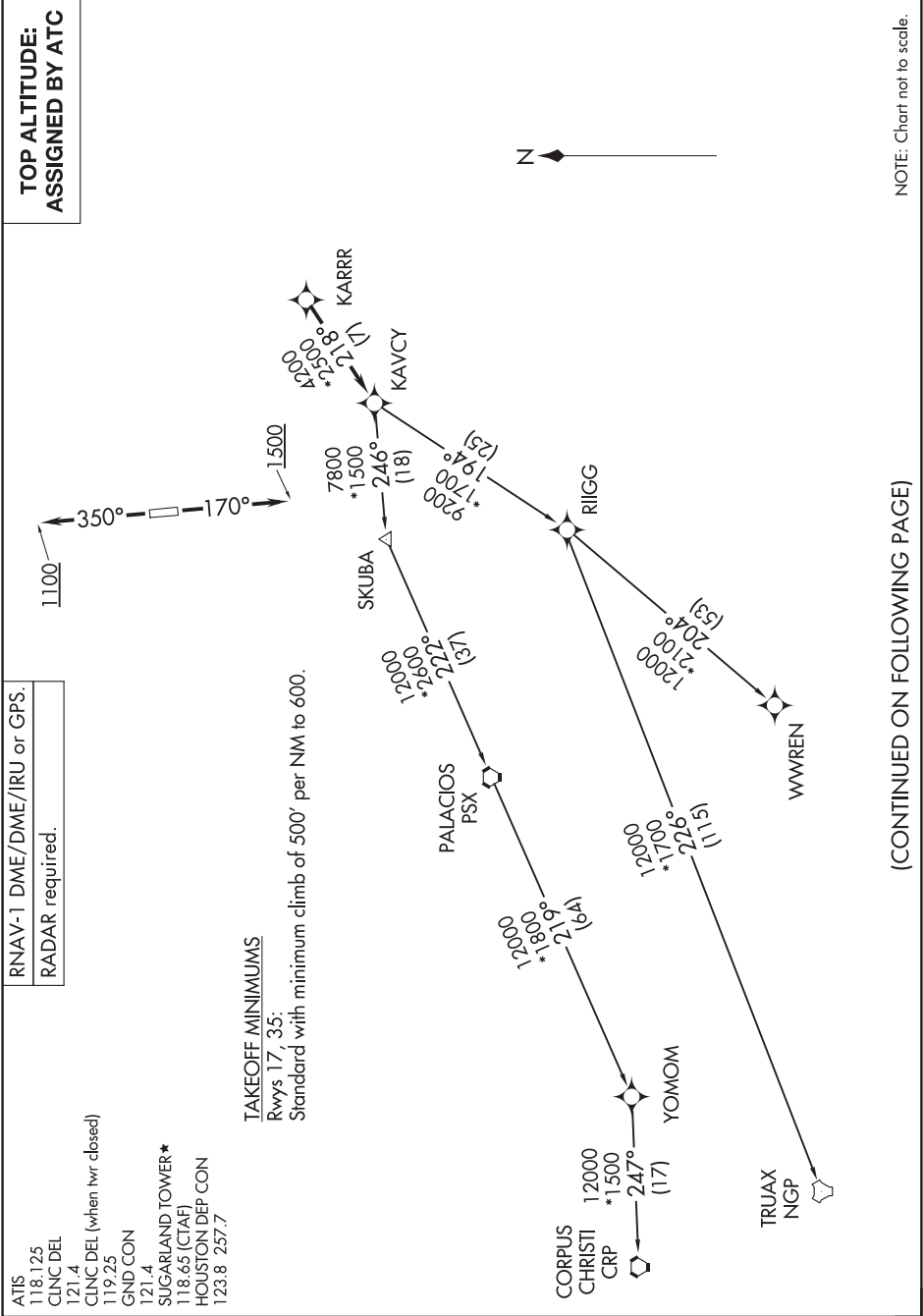
TAKEOFF RUNWAY 17: Climb on heading 170° to 1500  
for RADAR vectors to RENNK, then . . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100  
for RADAR vectors to RENNK, then . . . .

. . . . on track 016° to COLET, then on track 025° to  
SUSHI, then on track 026° to WWELL, then on track  
026° to INDIE, then on (transition). Maintain ATC  
assigned altitude. Expect filed altitude 10 minutes after  
departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.



KARRR SEVEN DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500, for RADAR vectors to KARRR, thence. . . .  
TAKEOFF RUNWAY 35: Climb on heading 350° to 1100, for RADAR vectors to KARRR, thence. . . .

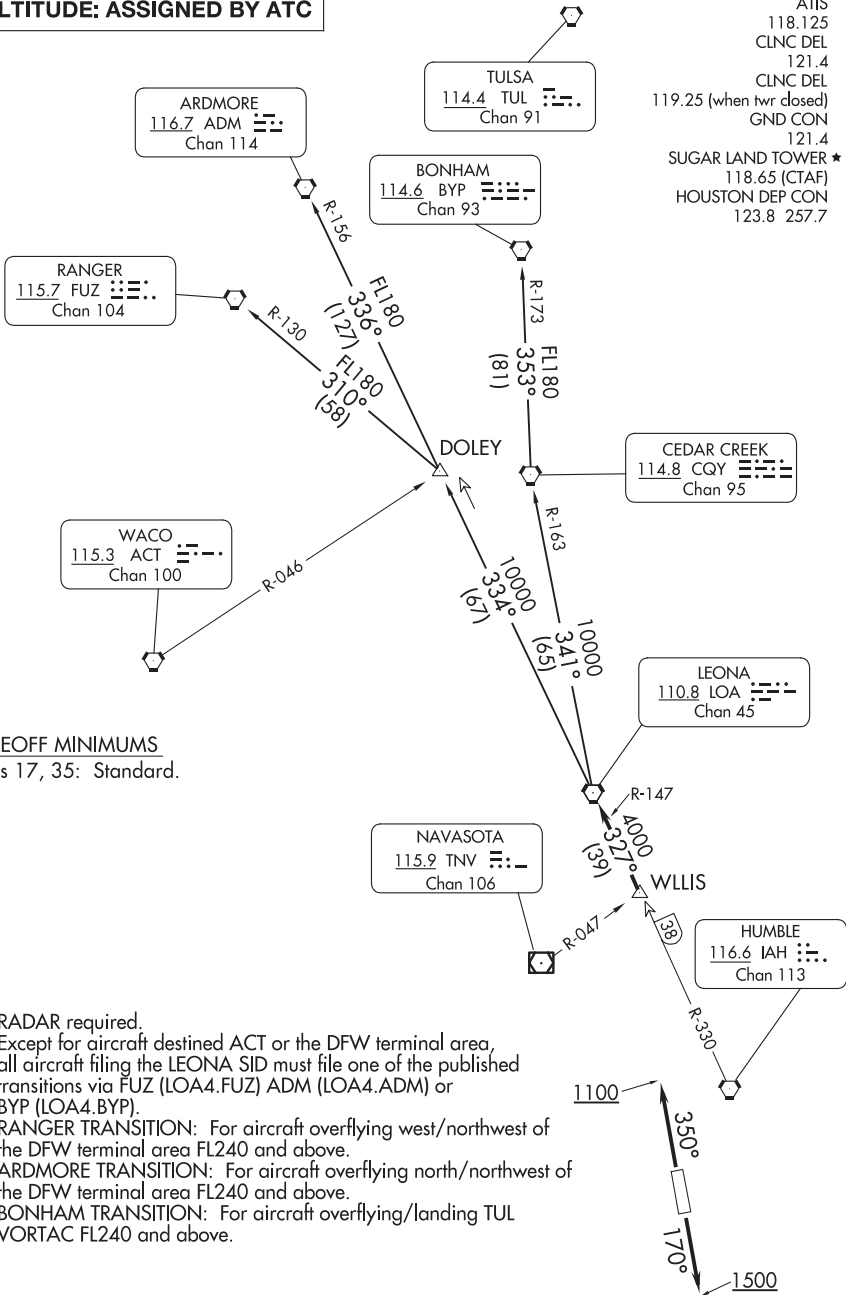
. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (KARRR7.CRP)
- PALACIOS TRANSITION (KARRR7.PSX)
- TRUAX TRANSITION (KARRR7.NGP)
- WWREN TRANSITION (KARRR7.WWREN)
- YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: ASSIGNED BY ATC





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

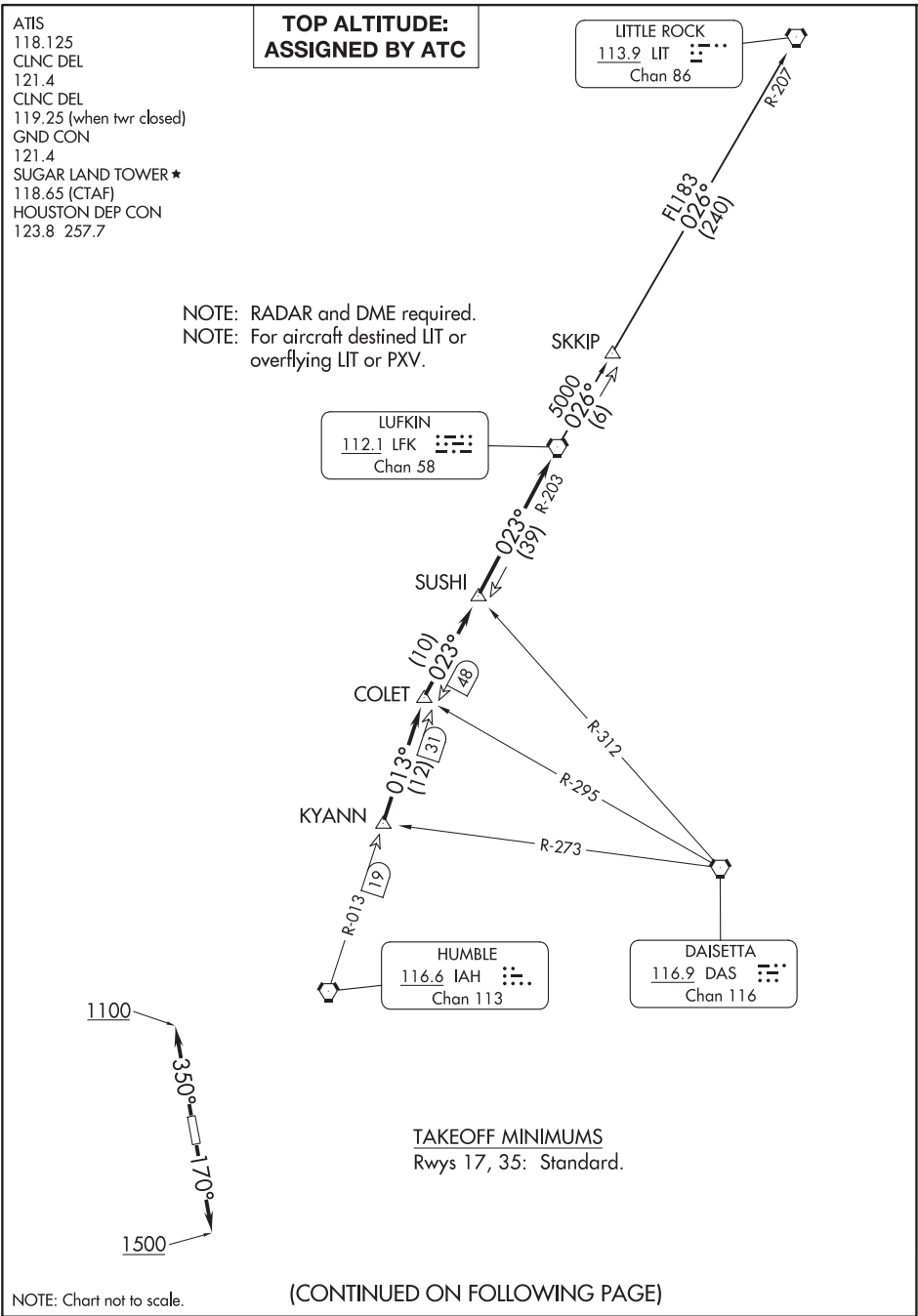
TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.



LUFKIN THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

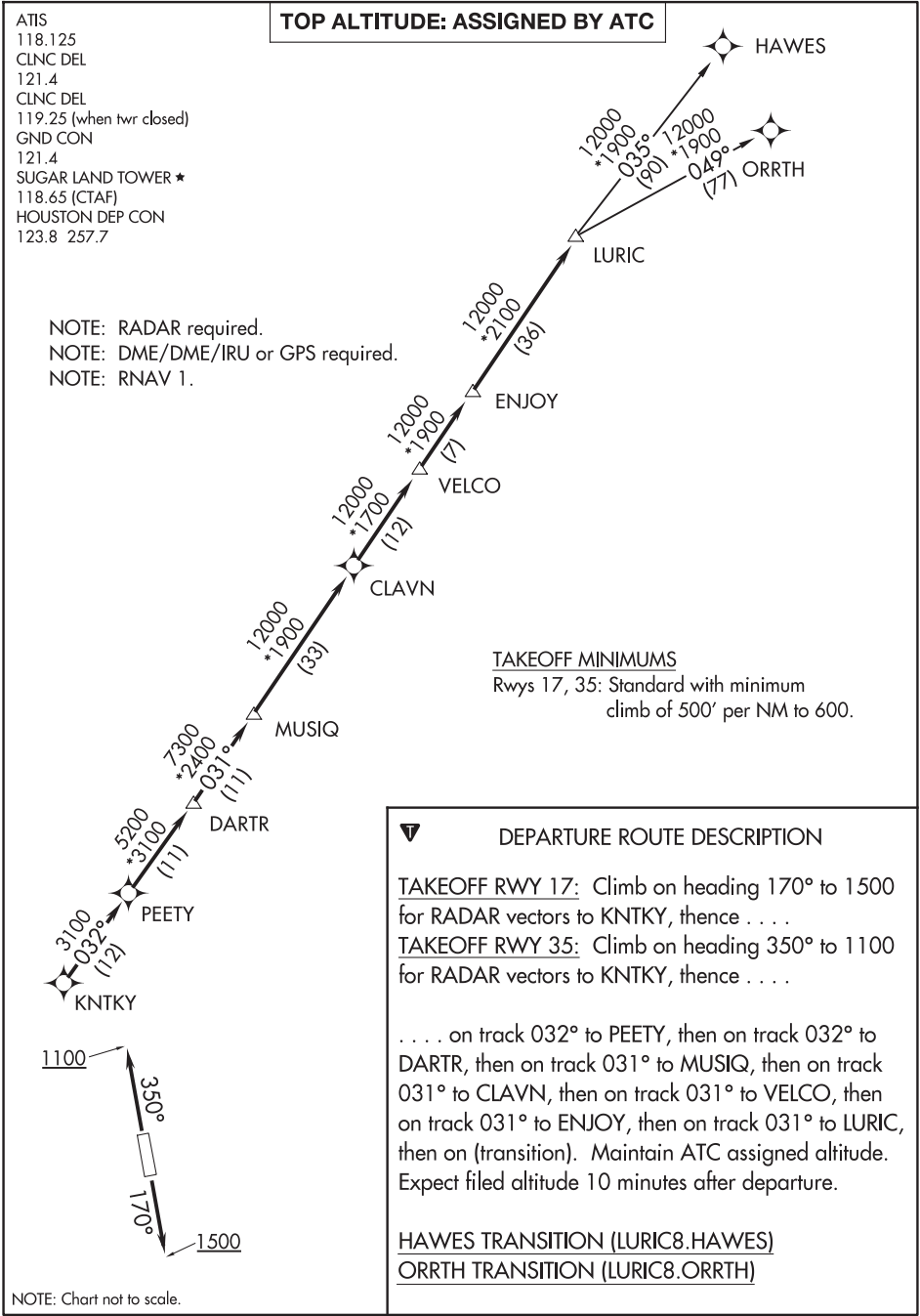
. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

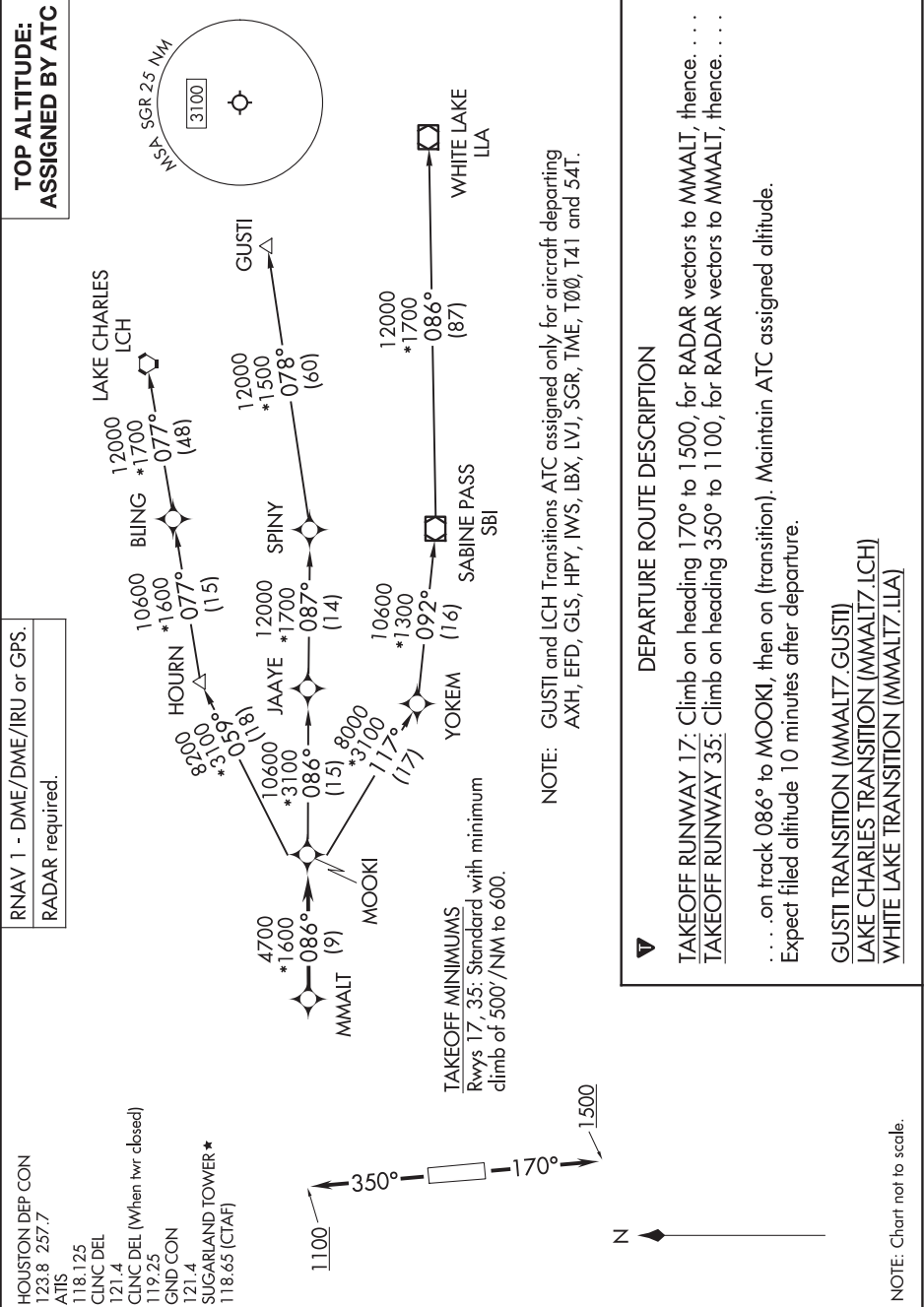
LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





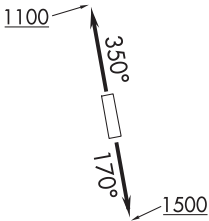
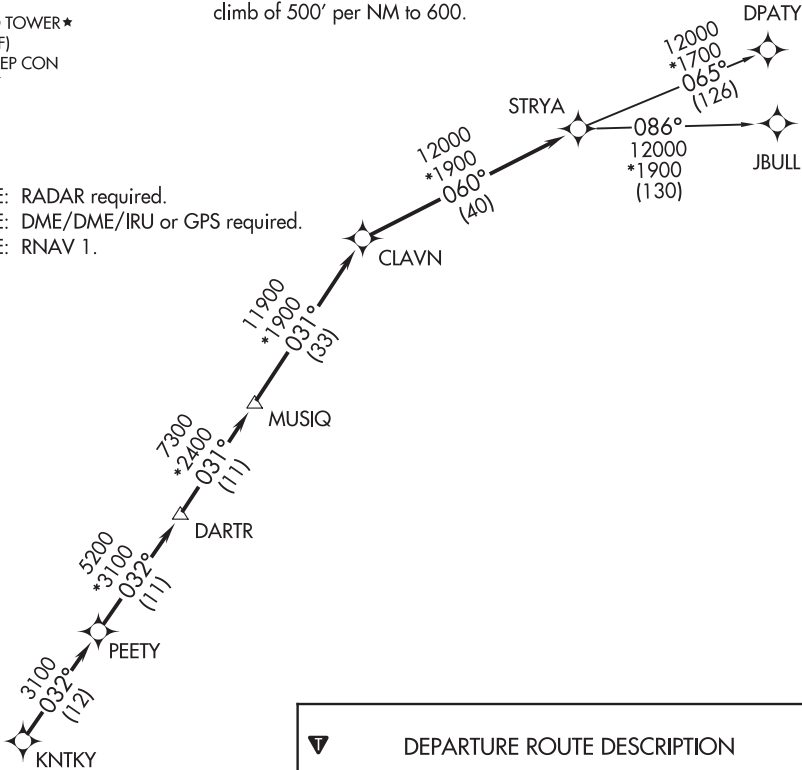


ATIS  
118.125  
CLNC DEL  
121.4  
CLNC DEL  
119.25 (when twr closed)  
GND CON  
121.4  
SUGARLAND TOWER★  
118.65 (CTAF)  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 17, 35: Standard with minimum  
climb of 500' per NM to 600.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



NOTE: Chart not to scale.



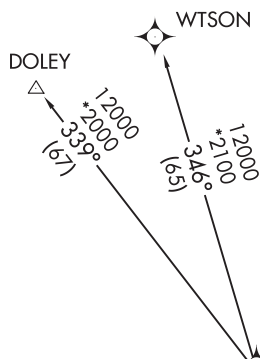
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 for RADAR vectors to KNTKY, thence. . . .  
TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 for RADAR vectors to KNTKY, thence. . . .

. . . .on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

## STYCK EIGHT DEPARTURE (RNAV)



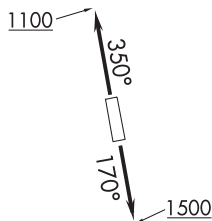
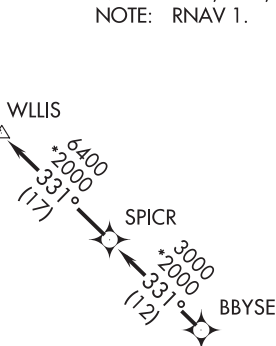
**TOP ALTITUDE:  
ASSIGNED BY ATC**

ATIS  
 118.125  
 CLNC DEL  
 121.4  
 CLNC DEL  
 119.25 (when twr closed)  
 GND CON  
 121.4  
 SUGARLAND TOWER ★  
 118.65 (CTAF)  
 HOUSTON DEP CON  
 123.8 257.7

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 17, 35: Standard with minimum climb of 500' per NM to 600.



NOTE: Chart not to scale.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500 for RADAR vectors to BBYSE, thence...

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100 for RADAR vectors to BBYSE, thence...

...on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)

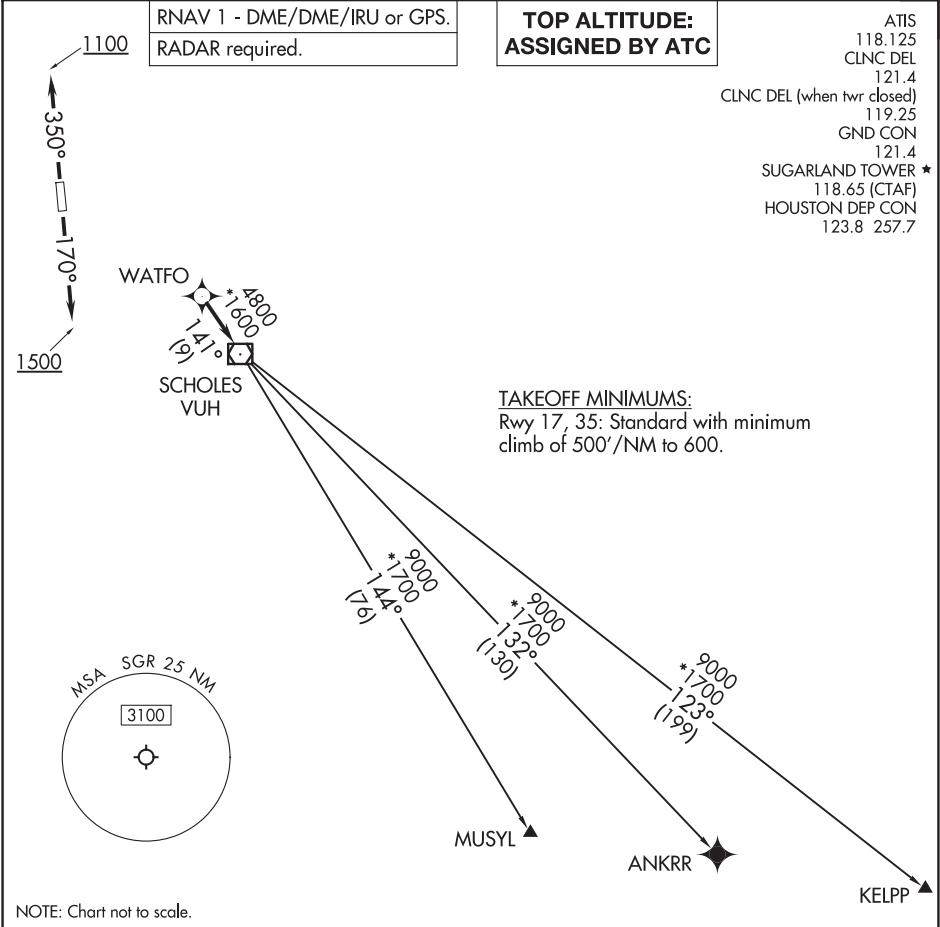
WTSON TRANSITION (STYCK8.WTSON)

## STYCK EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

SUGAR LAND RGNL (SGR)

(STYCK8.STYCK) 07OCT21



▼

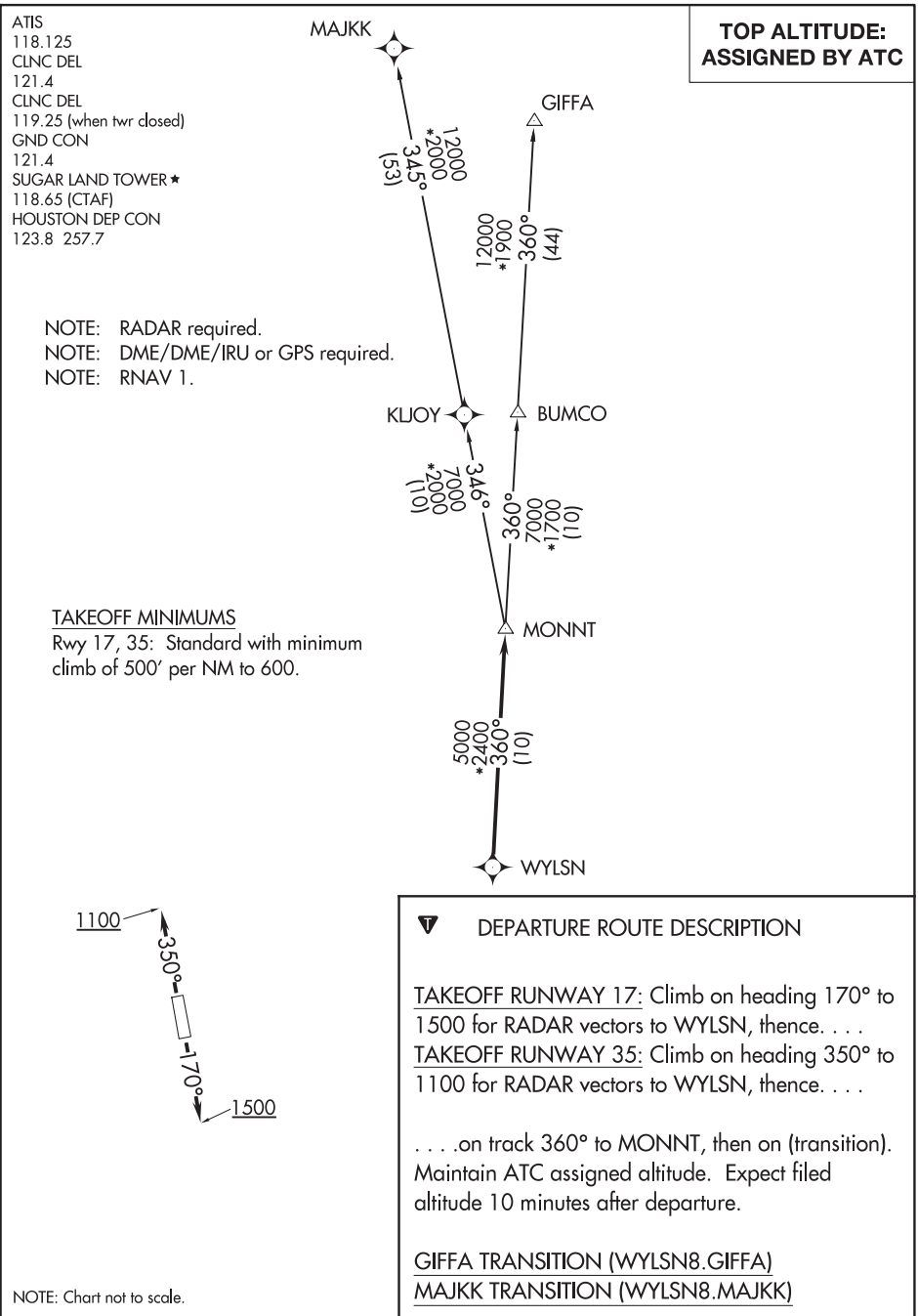
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 170° to 1500, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 350° to 1100, for RADAR vectors to WATFO, thence. . . .

. . . .on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)  
KELPP TRANSITION (WATFO6.KELPP)  
MUSYL TRANSITION (WATFO6.MUSYL)




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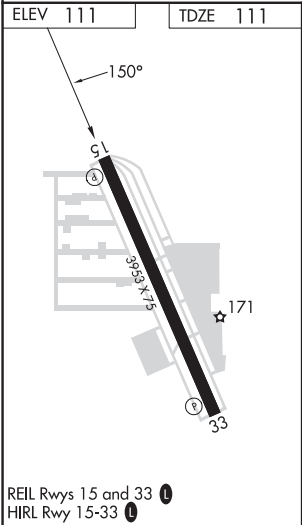
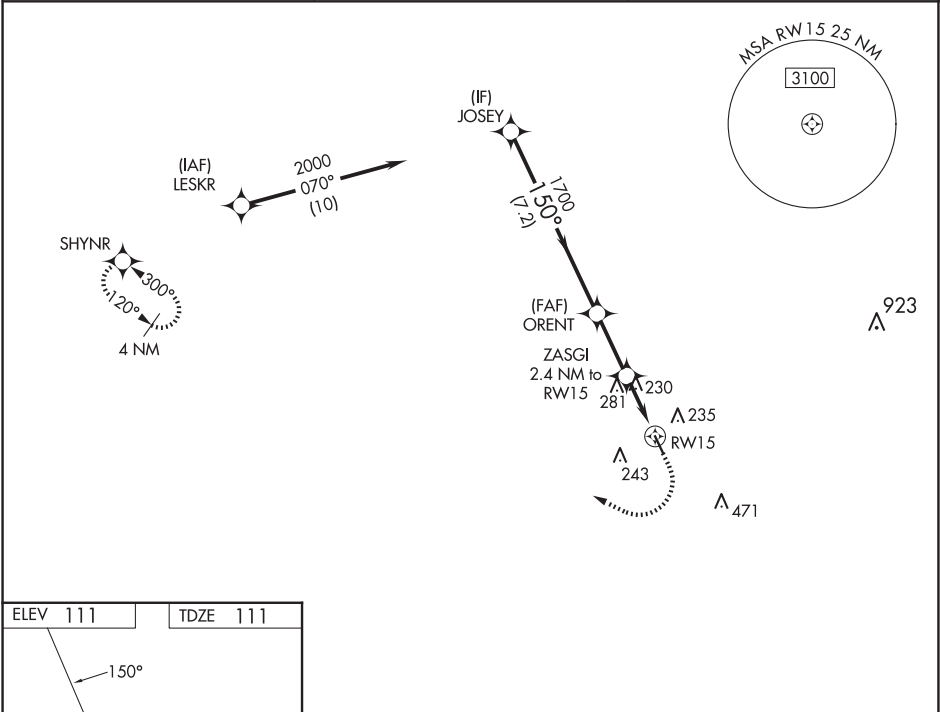
SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>40429</b> <b>W15A</b>	APP CRS <b>150°</b>	Rwy Idg TDZE <b>111</b> Apt Elev <b>111</b>
--	------------------------	---

RNAV (GPS) RWY 15  
WEST HOUSTON (IWS)

RNP APCH.		MISSED APPROACH: Climb to 600 then climbing right turn to 2000 direct SHYNR and hold.
	Procedure NA at night. Rwy 15 helicopter visibility reduction below 1 SM NA. Use George Bush Intcnl/Houston altimeter setting.	

HOUSTON APP CON <b>123.8 257.7</b>	CLNC DEL <b>121.15</b>	UNICOM <b>123.05 (CTAF) 0</b>
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VGSI and descent angles not coincident (VGSI Angle 3.70/TCH 43).				600	2000	SHYNR
JOSEY						
CATEGORY	A	B	C	D		
LP MDA	540-1	429 (500-1)	540-1¼ 429 (500-1¼)	NA		
LNAV MDA	580-1	469 (500-1)	580-1¾ 469 (500-1¾)	NA		
CIRCLING	600-1 489 (500-1)	640-1 529 (600-1)	800-2 689 (700-2)	NA		

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-6079 (FAA)

25051

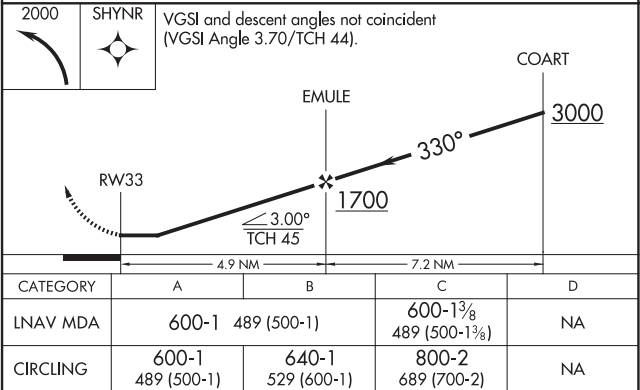
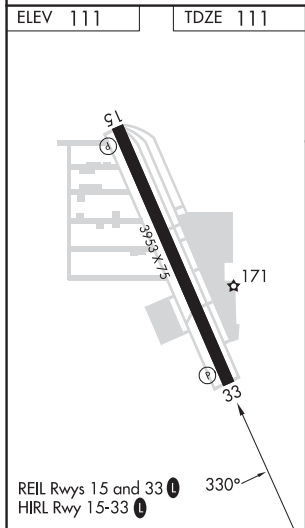
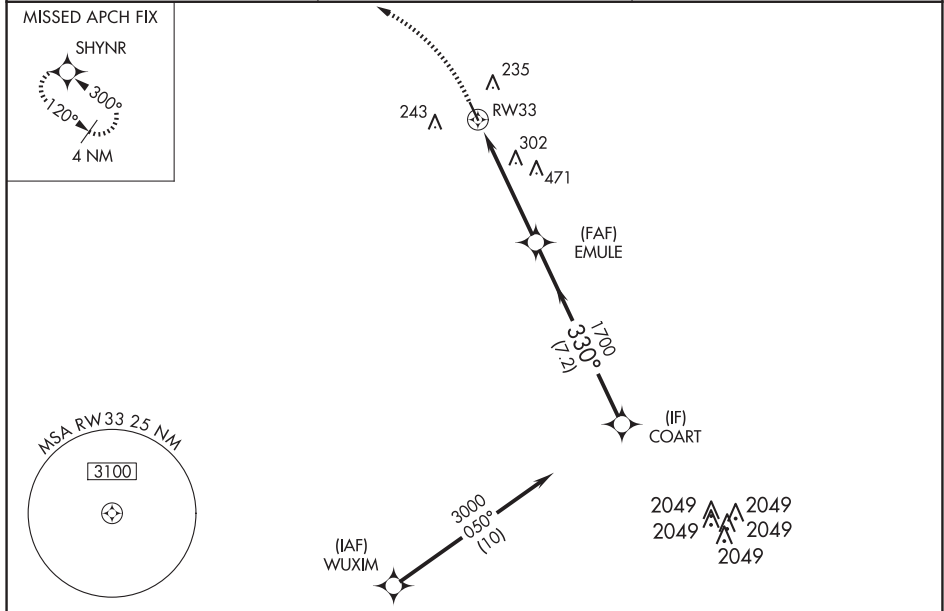
APP CRS	Rwy Idg	3953
330°	TDZE	111
	Apt Elev	111

# RNAV (GPS) RWY 33

WEST HOUSTON (IWS)

RNP APCH.	MISSED APPROACH: Climbing left turn to 2000 direct SHYNR and hold.
<div><div>▼</div><div>NA</div></div> <div>Rwy 33 helicopter visibility reduction below 1 SM NA. Use George Bush Intcnl/Houston altimeter setting. Circling Rwy 15 NA at night.</div>	

HOUSTON APP CON 123.8 257.7	CLNC DEL 121.15	UNICOM 123.05 (CTAF) 0
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HOUSTON, TEXAS  
Amdt 1C 15JUL21

29°49'N-95°40'W

# RNAV (GPS) RWY 33

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

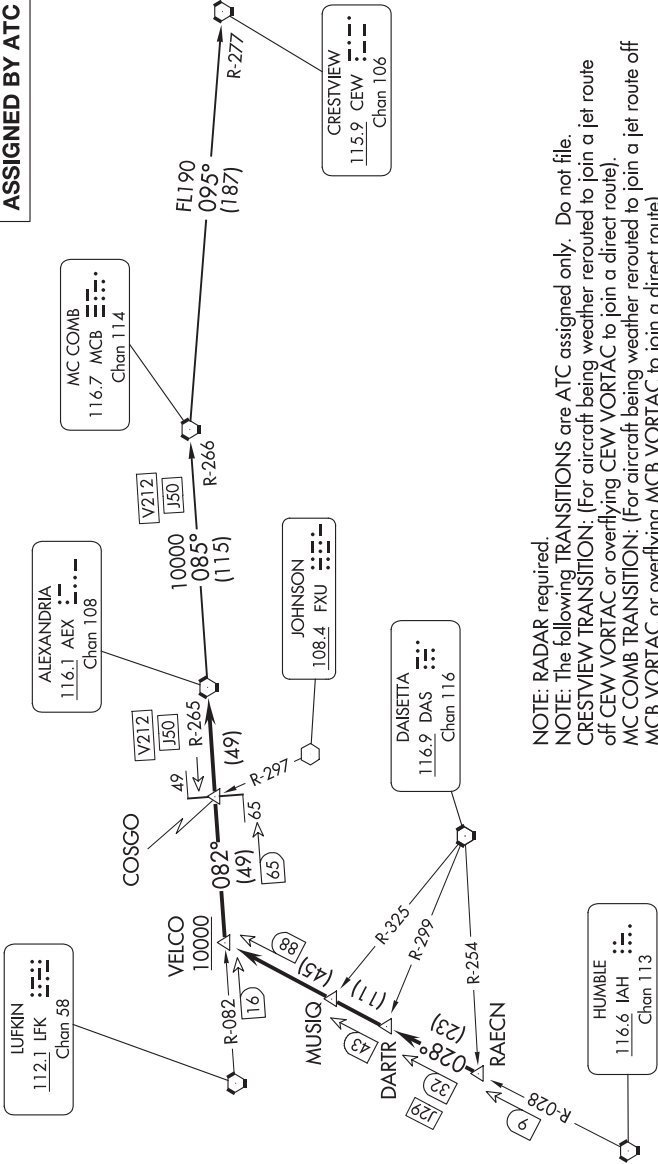


ALEXANDRIA THREE DEPARTURE

SC-5, 07 AUG 2025 to 02 OCT 2025

CINC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: RADAR required.  
NOTE: The following TRANSITIONS are ATC assigned only. Do not file.  
CRESTVIEW TRANSITION: (For aircraft being weather rerouted to join a jet route off CEW VORTAC or overflying CEW VORTAC to join a direct route).  
MC COMB TRANSITION: (For aircraft being weather rerouted to join a jet route off MCB VORTAC or overflying MCB VORTAC to join a direct route).

TAKEOFF MINIMUMS  
Rwys 15, 33: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

ALEXANDRIA THREE DEPARTURE

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

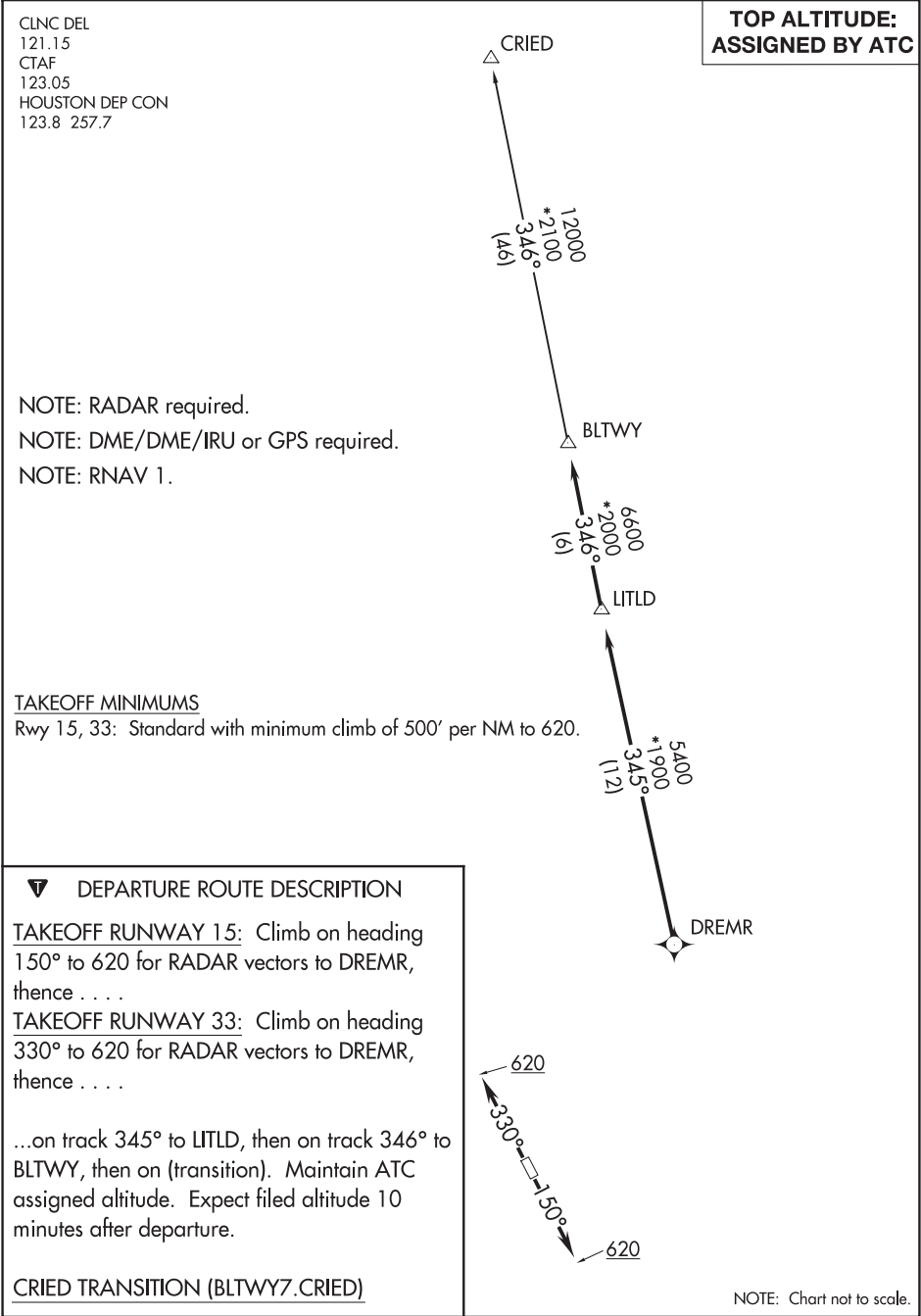
. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



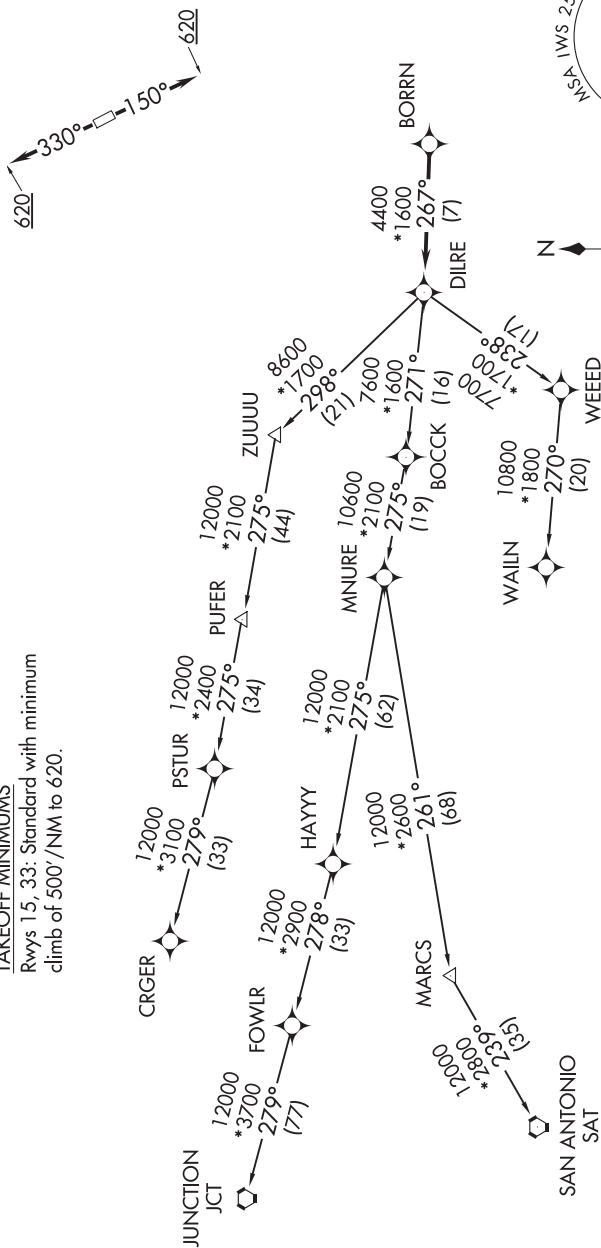
NOTE: Chart not to scale.

**TOP ALTITUDE:  
ASSIGNED BY ATC**

RADAR required.

Rwys 15, 33: Standard with minimum climb of 500'/NM to 620.

CTAF  
123.05  
CLNC DEL  
121.15  
HOUSTON DEP CON  
123.8 257.7



NOTE: CRGR-TRANSITION ATC assigned only for aircraft departing 54T, AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

WEST HOUSTON (IWS)

▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb heading 150° to 620, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 33: Climb heading 330° to 620, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

BORRN SIX DEPARTURE (RNAV)

(BORRN6.BORRN) 30NOV23

HOUSTON, TEXAS

WEST HOUSTON (IWS)

427

(CRID1.CRID) 24193

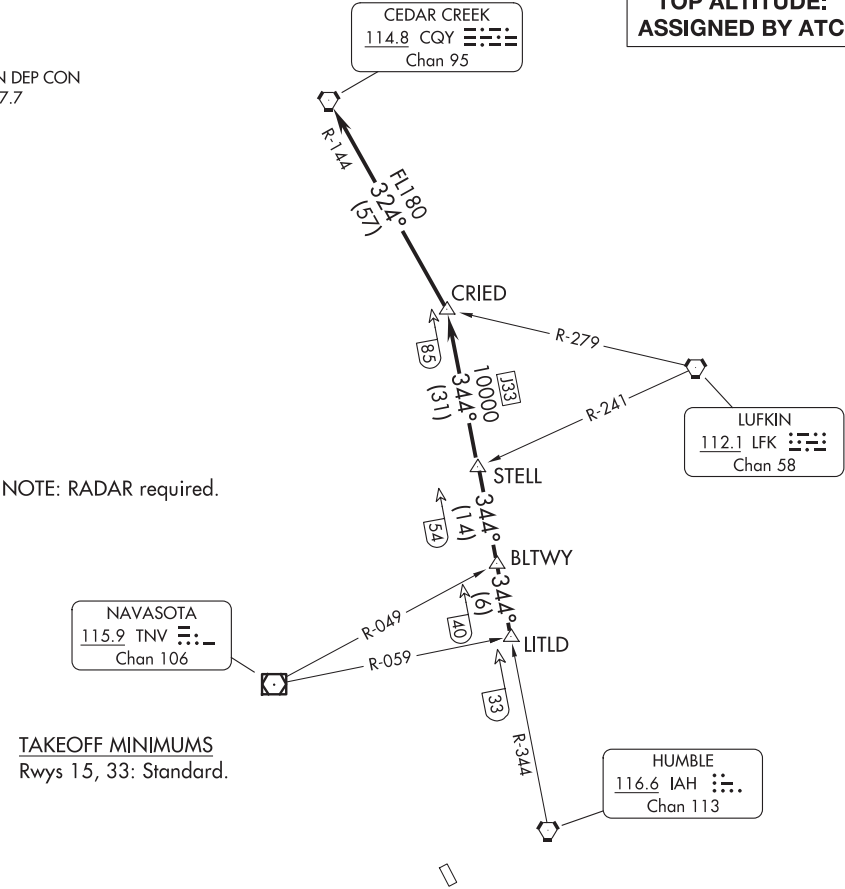
CRID ONE DEPARTURE

AL-6079 (FAA)

WEST HOUSTON (IWS)  
HOUSTON, TEXAS

CINC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

CRID ONE DEPARTURE


(CRID1.CRID) 07OCT21

HOUSTON, TEXAS  
WEST HOUSTON (IWS)


EL DORADO ONE DEPARTURE

CLNC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7

**TOP ALTITUDE:  
ASSIGNED BY ATC**

EL DORADO  
115.5 ELD   
Chn 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK   
Chan 58

MUSIQ /

DARTI

RAFCN

DAISETTA  
116.9 DAS 𐄂𐄂𐄂  
Chan 116

HUMBLE  
116.6 IAH :  
Chan 113

## TAKEOFF MINIMUMS

Rwys 15, 33: Standard.

NOTE: Chart not to scale.

## DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . .

...on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at  
or above 10000.

EL DORADO ONE DEPARTURE

(ELD1.ELD) 07OCT21

HOUSTON, TEXAS  
WEST HOUSTON (IWS)

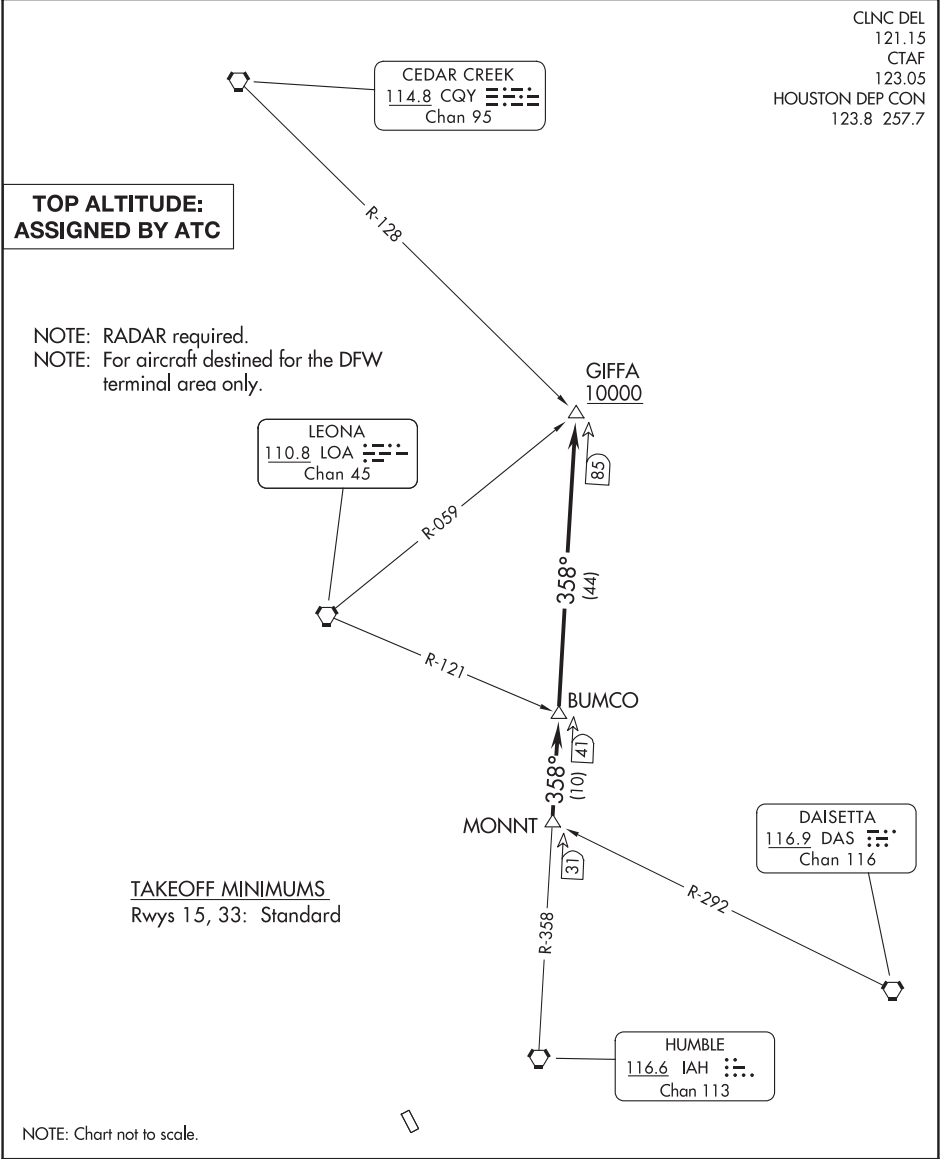
(GIFFA1.GIFFA) 24193

GIFFA ONE DEPARTURE

AL-6079 (FAA)

WEST HOUSTON (IWS)  
HOUSTON, TEXAS

CLNC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

**TAKEOFF ALL RUNWAYS:** When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .  
. . . . on IAH R-358 to cross GIFFA INT at or above 10000.

GIFFA ONE DEPARTURE

(GIFFA1.GIFFA) 07OCT21

HOUSTON, TEXAS  
WEST HOUSTON (IWS)





(INDIE8.INDIE) 21280

INDIE EIGHT DEPARTURE (RNAV)

432

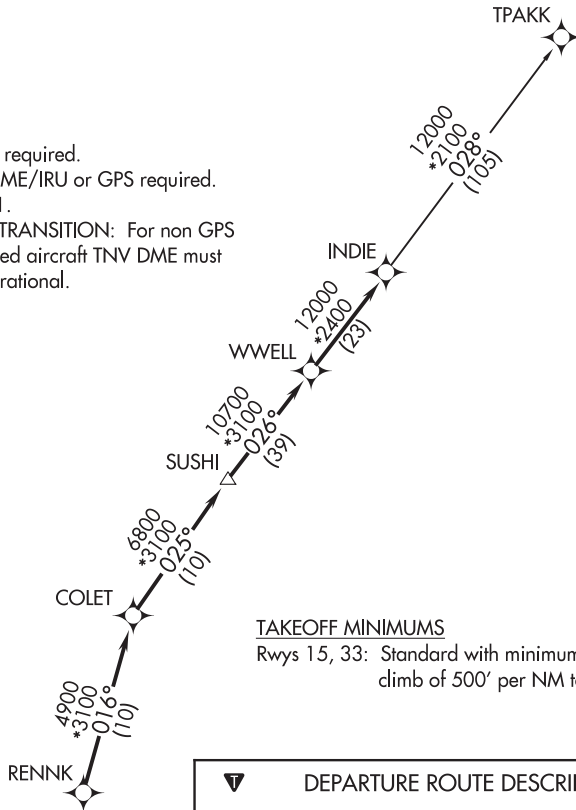
AL-6079 (FAA)

WEST HOUSTON (IWS)  
HOUSTON, TEXAS

CLNC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS

Rwys 15, 33: Standard with minimum  
climb of 500' per NM to 620.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 150° to  
620 for RADAR vectors to RENNK, then . . .

TAKEOFF RUNWAY 33: Climb on heading 330° to  
620 for RADAR vectors to RENNK, then . . .

. . . on track 016° to COLET, then on track 025°  
to SUSHI, then on track 026° to WWELL, then on  
track 026° to INDIE, then on (transition).

Maintain ATC assigned altitude. Expect filed  
altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

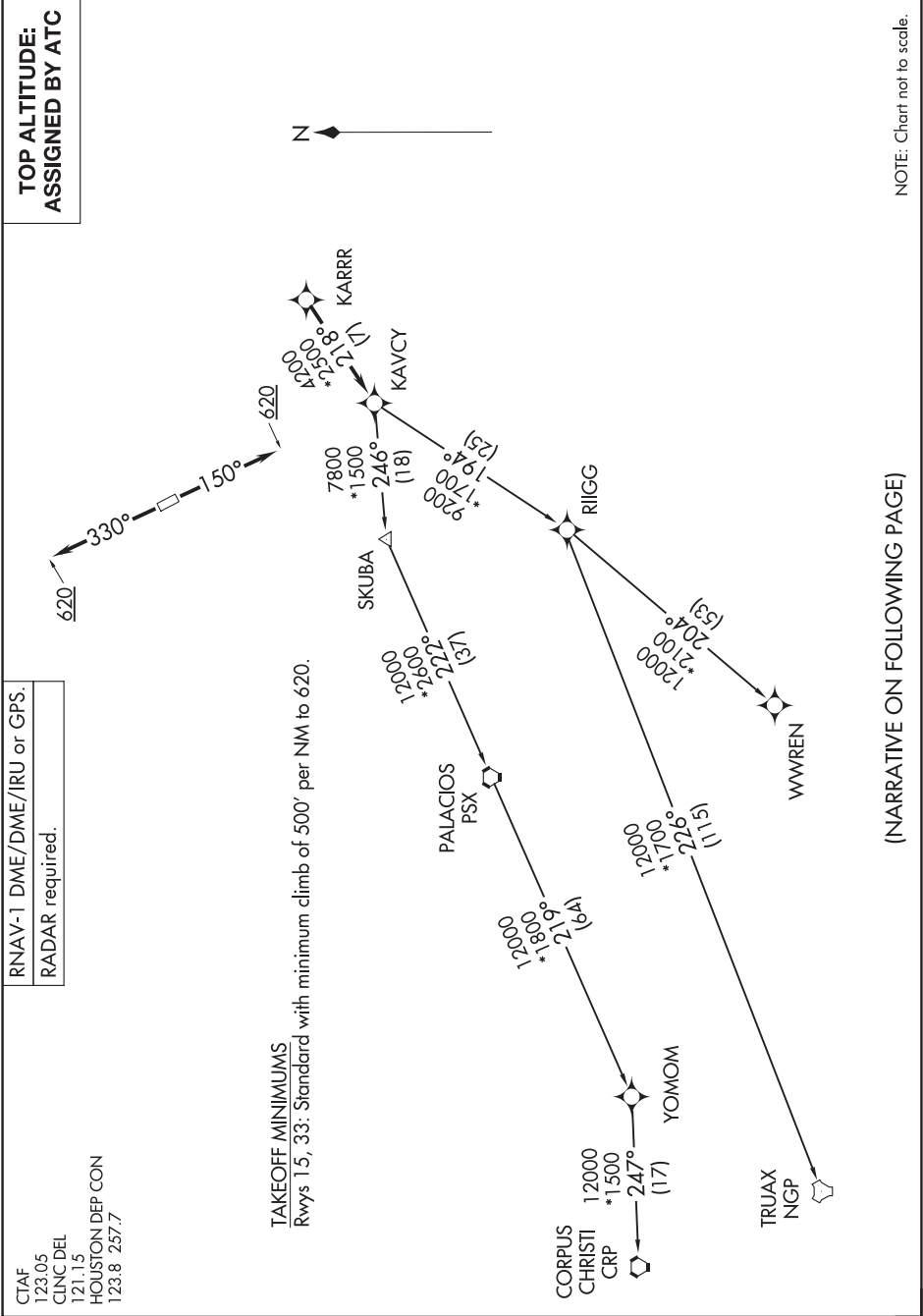
NOTE: Chart not to scale.

INDIE EIGHT DEPARTURE (RNAV)

(INDIE8.INDIE) 07OCT21

HOUSTON, TEXAS  
WEST HOUSTON (IWS)

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 150° to 620, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 33: Climb on heading 330° to 620, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

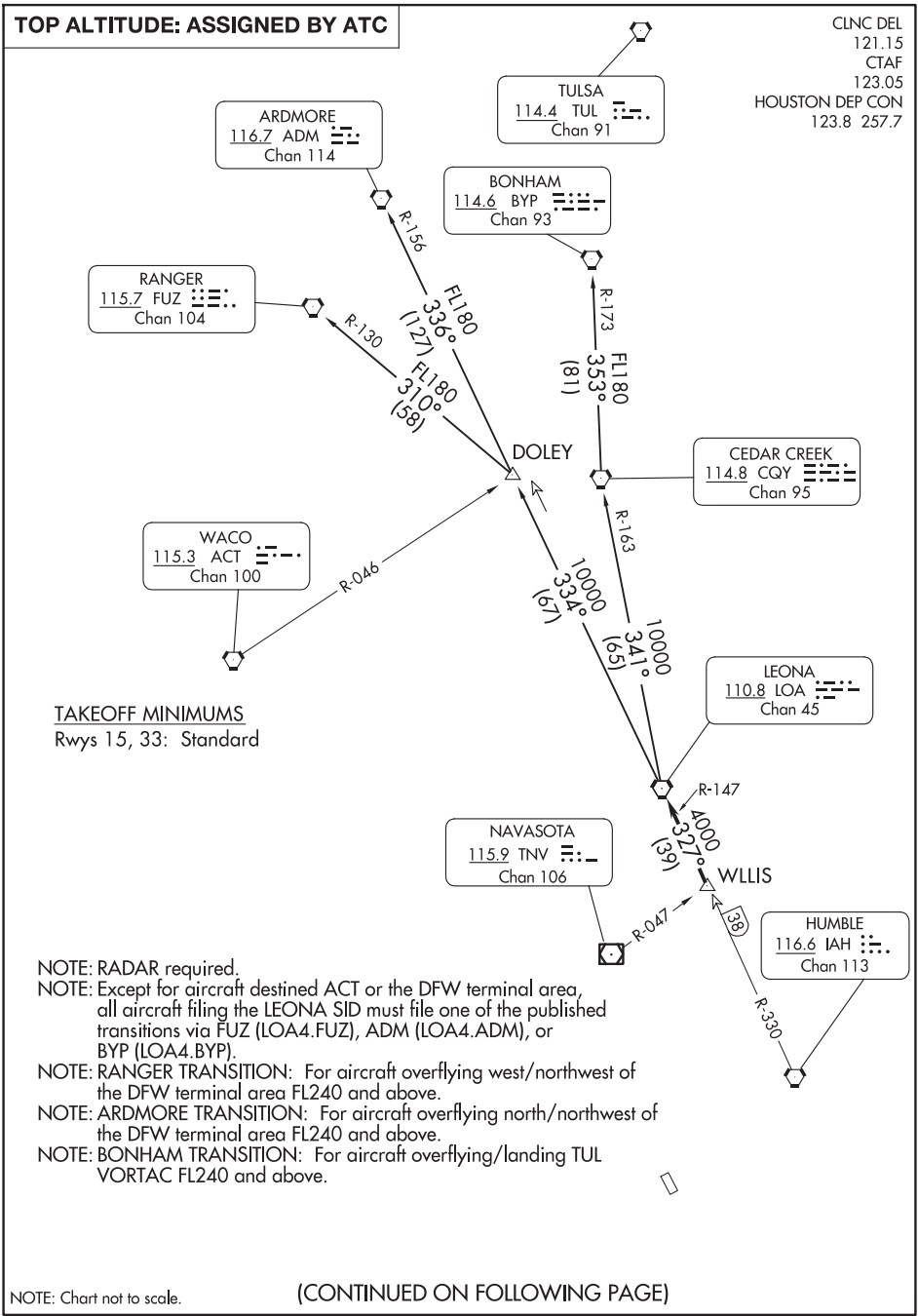
TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

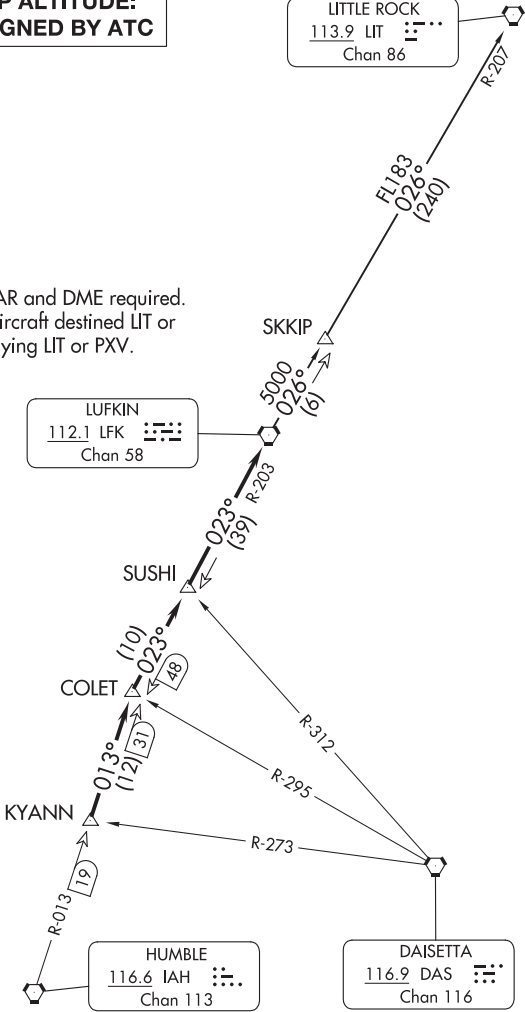
CLNC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS  
Rwys 15, 33: Standard.

NOTE: Chart not to scale. (CONTINUED ON FOLLOWING PAGE)

LUFKIN THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

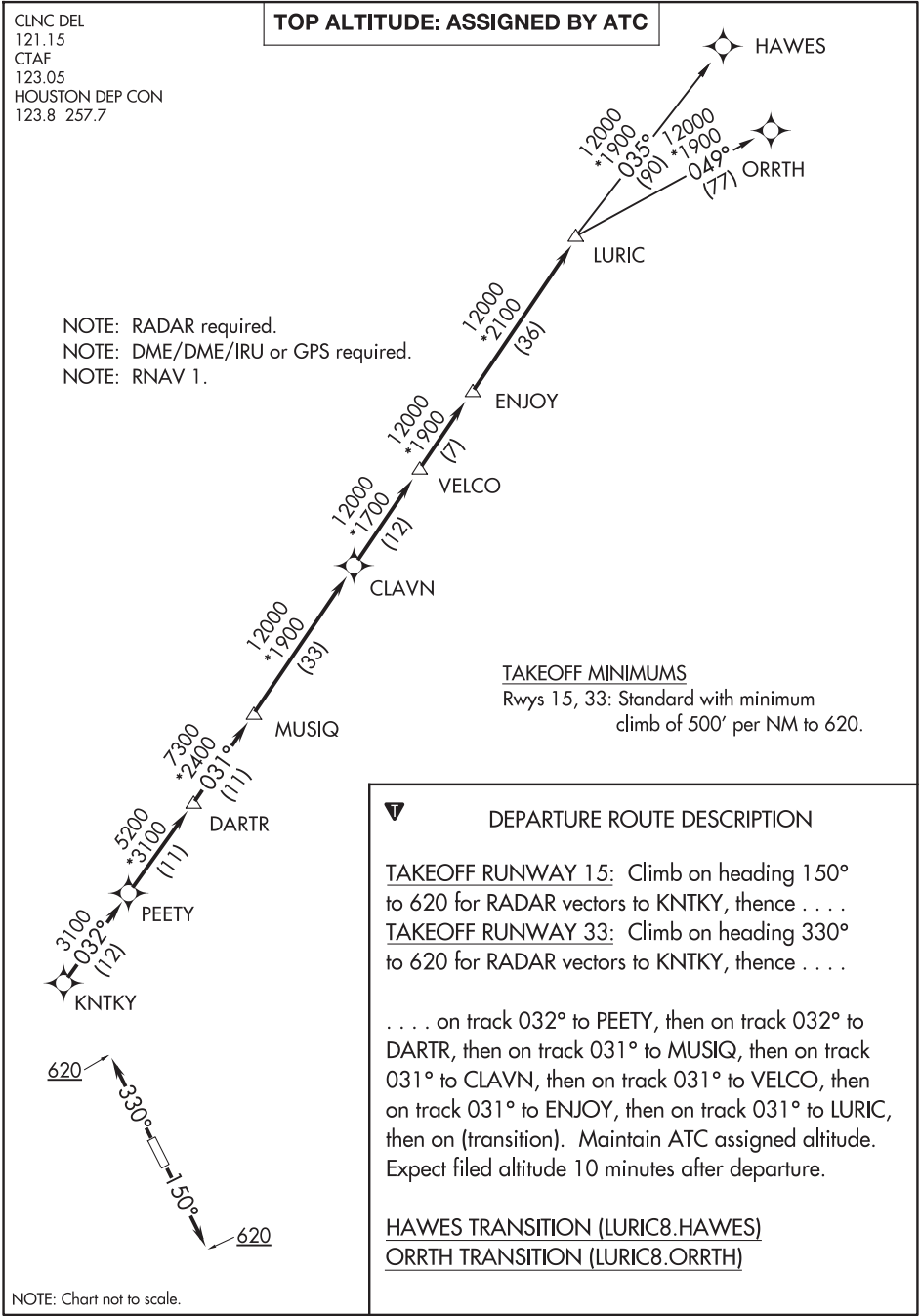
. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





**HOUSTON DEP CON**  
123.8 257.7  
CLNC DEL  
121.15  
CTAF  
123.05

**RNAV 1 - DME/DME/IRU or GPS.**  
RADAR required.

**TAKEOFF MINIMUMS**  
Rwys 15, 33: Standard with minimum  
climb of 500'/NM to 620.

**TAKEOFF MINIMUMS**  
Rwys 15, 33: Standard with minimum  
climb of 500'/NM to 620.

**NOTE:** Chart not to scale.

**TAKEOFF MINIMUMS**  
Rwys 15, 33: Standard with minimum  
climb of 500'/NM to 620.

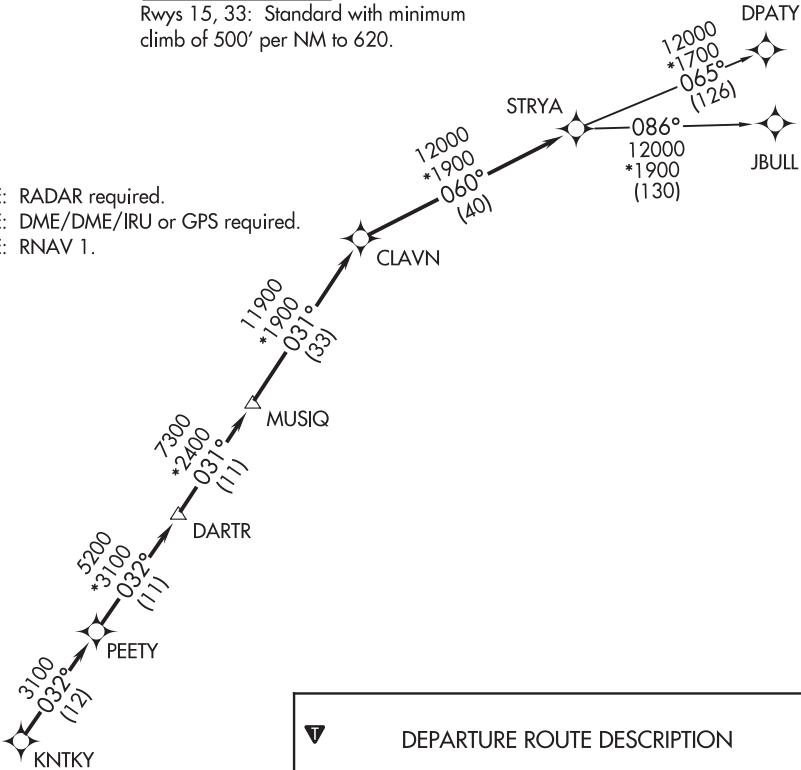
**NOTE:** Chart not to scale.

CTAF  
123.05  
CLNC DEL  
121.15  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 15, 33: Standard with minimum  
climb of 500' per NM to 620.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 150° to 620 for RADAR vectors to KNTKY, thence. . .

TAKEOFF RUNWAY 33: Climb on heading 330° to 620 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

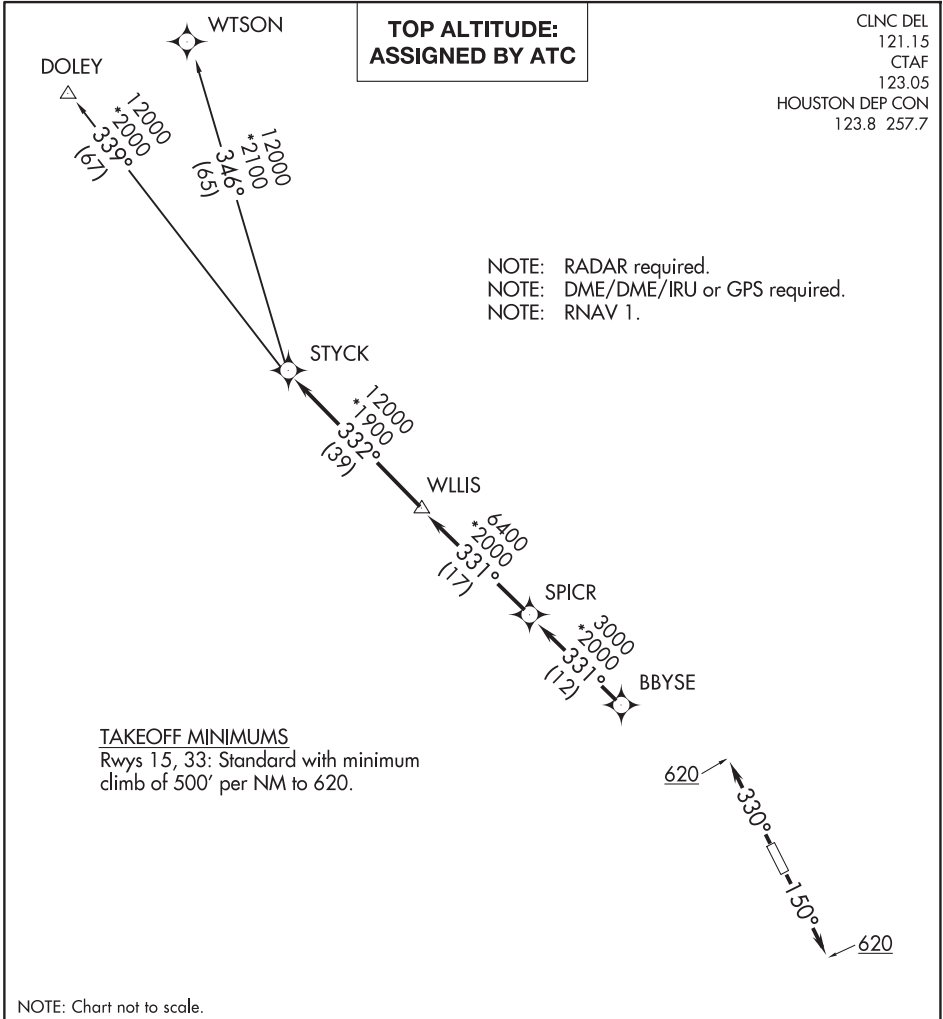
NOTE: Chart not to scale.

(STYCK8.STYCK) 21280

AL-6079 (FAA)

WEST HOUSTON (IWS)  
HOUSTON, TEXAS

STYCK EIGHT DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 150° to 620 for RADAR vectors to BBYSE, thence. . .

TAKEOFF RUNWAY 33: Climb on heading 330° to 620 for RADAR vectors to BBYSE, thence. . .

. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

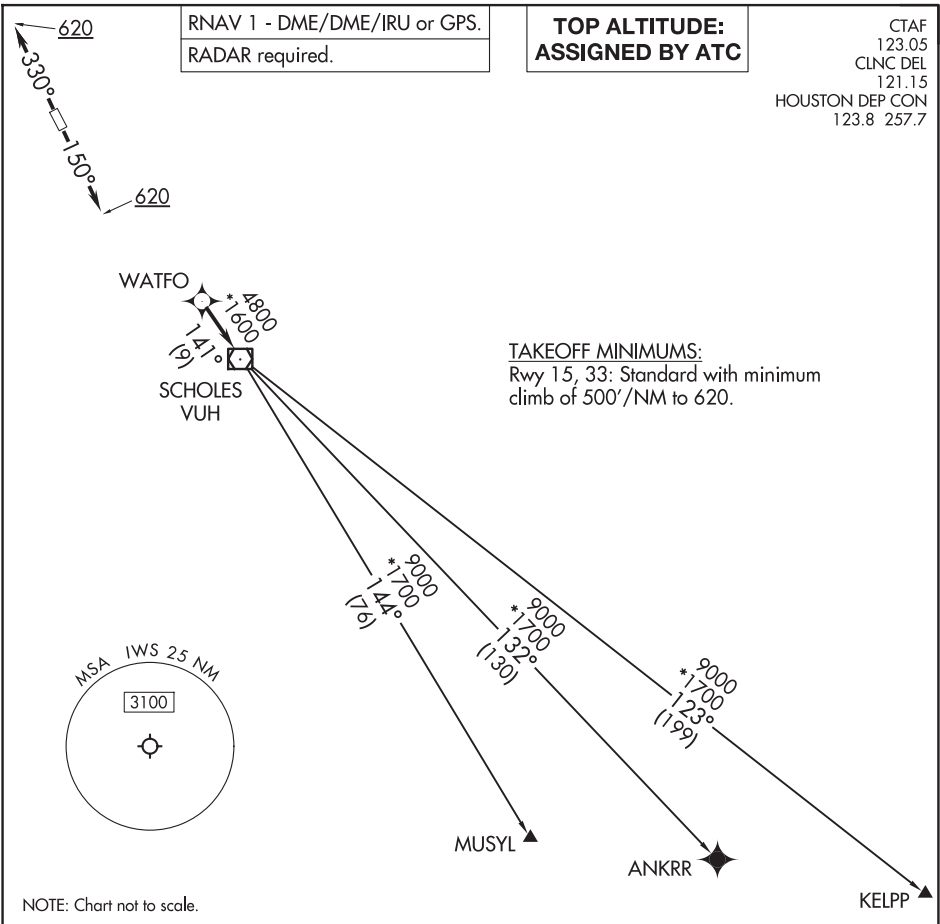
DOLEY TRANSITION (STYCK8.DOLEY)

WTSON TRANSITION (STYCK8.WTSON)

STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

HOUSTON, TEXAS  
WEST HOUSTON (IWS)



T

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 150° to 620, for RADAR vectors to WATFO, thence. . . .

TAKEOFF RUNWAY 33: Climb on heading 330° to 620, for RADAR vectors to WATFO, thence. . . .

. . . on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)

KELPP TRANSITION (WATFO6.KELPP)

MUSYL TRANSITION (WATFO6.MUSYL)

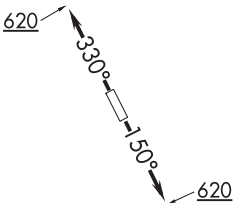
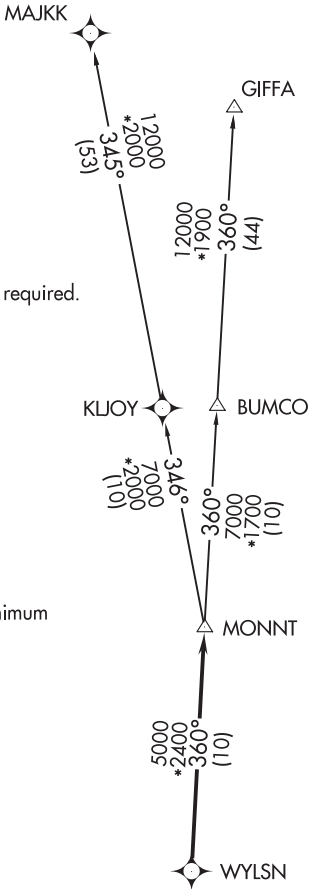
WYLSN EIGHT DEPARTURE (RNAV)

CLNC DEL  
121.15  
CTAF  
123.05  
HOUSTON DEP CON  
123.8 257.7

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS  
Rwys 15, 33: Standard with minimum  
climb of 500' per NM to 620.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb on heading 150° to 620 for  
RADAR vectors to WYLSN, thence. . . .  
TAKEOFF RUNWAY 33: Climb on heading 330° to 620 for  
RADAR vectors to WYLSN, thence. . . .

. . . .on track 360° to MONNT, then on (transition). Maintain ATC  
assigned altitude. Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJJK TRANSITION (WYLSN8.MAJKK)

NOTE: Chart not to scale.

LOC/DME I-HUB	APP CRS	Rwy Idg	7602
109.9	041°	TDZE	44
Chan 36		Apt Elev	46

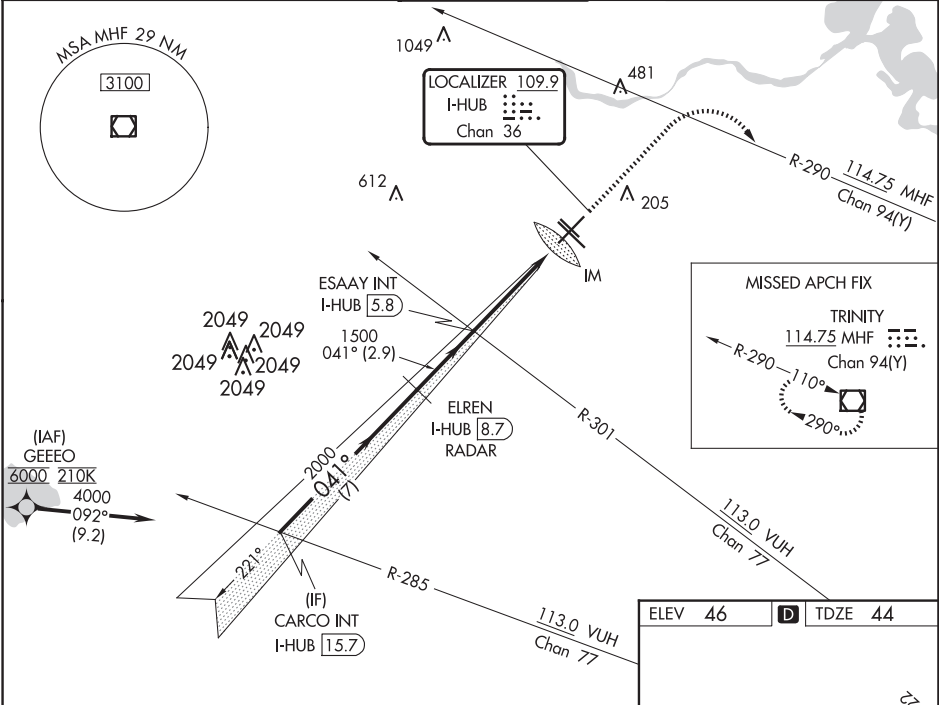
ILS or LOC RWY 4  
WILLIAM P HOBBY (HOU)

Aircraft not GPS equipped - RADAR required for procedure entry.  
From GEEEO: RNAV 1- GPS required.

ALSF-2

MISSED APPROACH: Climb to 1500 then  
climbing right turn to 3000 on MHF VOR/DME  
R-290 to MHF VOR/DME and hold.

D-ATIS	HOUSTON APP CON	HOBBY TOWER	GND CON	CLNC DEL	CPDLC
124.6	120.05 379.1 EAST 124.35 316.15 WEST	118.7 256.9	121.9	125.45	



	CARCO INT I-HUB 15.7	ELREN I-HUB 8.7	ESAAY INT I-HUB 5.8	1500	3000	MHF
	4000	2000	1500	1500	MHF R-290	
	GS 3.00°	041°	041°	041°	*LOC only	
	7 NM	2.9 NM	3.1 NM	1.2	0.1	
CATEGORY	A	B	C	D	E	
S-ILS 4	244/18 200 (200-½)					
S-LOC 4	520/24	476 (500-½)	520/50 476 (500-1)			
CIRCLING	520-1	474 (500-1)	740-2¼	694 (700-2¼)	860-3 814 (900-3)	

ELEV 46 TDZE 44

REIL Rwy 31L  
MIRL Rwy 13L-31R  
HIRL Rwy 4-22 and 13R-31L  
TDZ/CL Rwy 4, 13R and 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

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-198 (FAA)

25163

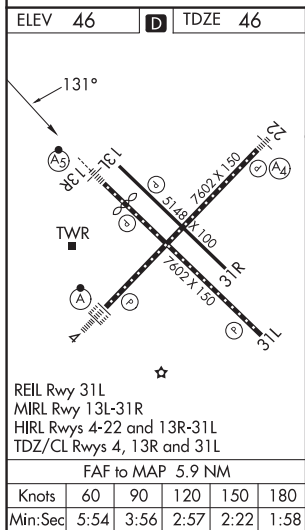
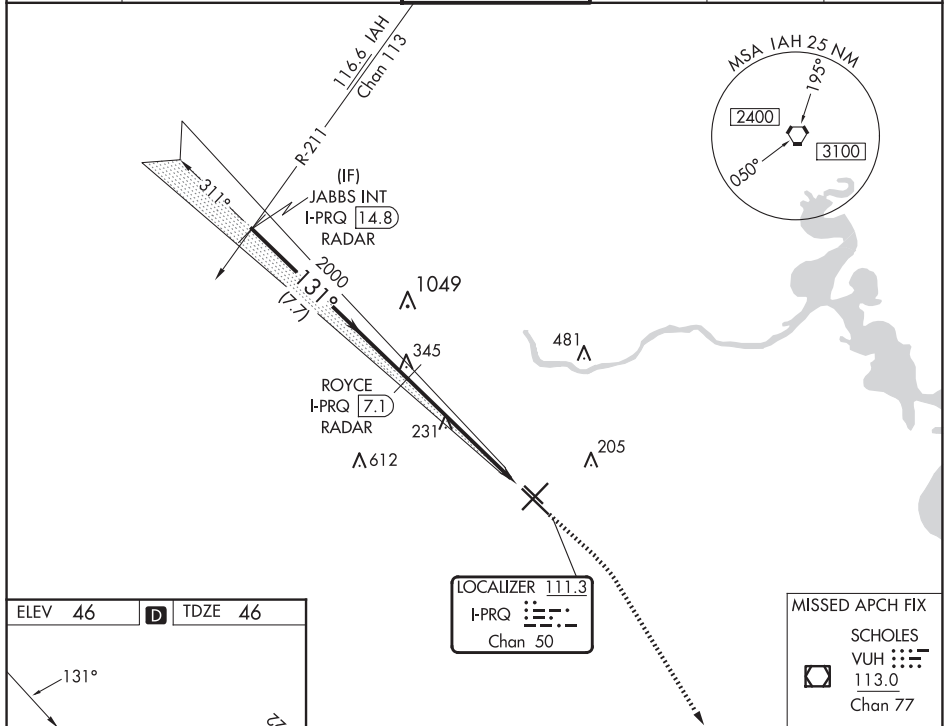
LOC/DME I-PRQ <b>111.3</b> Chan <b>50</b>	APP CRS <b>131°</b>	Rwy Idg <b>6568</b> TDZE <b>46</b> Apt Elev <b>46</b>
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# ILS or LOC RWY 13R

WILLIAM P HOBBY (HOU)

RADAR or DME required for LOC only. RADAR required for procedure entry.		MALSR 	MISSED APPROACH: Climb to 800 then climbing right turn to 2200 direct VUH VOR/DME.
Inop table does not apply to S-ILS Rwy 13R. Rwy 13R helicopter visibility reduction below 3/4 SM NA. For inop ALS, increase S-LOC 13R Cats A/B visibility to RVR 5500, Cats C/D/E to 1 1/2 SM.			

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
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JABBS INT I-PRQ 14.8 RADAR		ROYCE I-PRQ 7.1 RADAR		800	2200	VUH
2000		2000		* I-PRQ 2.6	* LOC only	I-PRQ 1.3
GS 3.00° TCH 49		7.7 NM		4.5 NM		1.4 NM
CATEGORY	A	B	C	D	E	
S-ILS 13R	296/40		250 (300-3/4)			
S-LOC 13R	540/40	494 (500-3/4)	540/50	494 (500-1)	540/60 494 (500-1 1/4)	
CIRCLING	540-1	494 (500-1)	740-2 1/4	694 (700-2 1/4)	860-3 814 (900-3)	

HOUSTON, TEXAS

Amdt 12D 25APR19

29°39'N-95°17'W

# WILLIAM P HOBBY (HOU)

## ILS or LOC RWY 13R

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

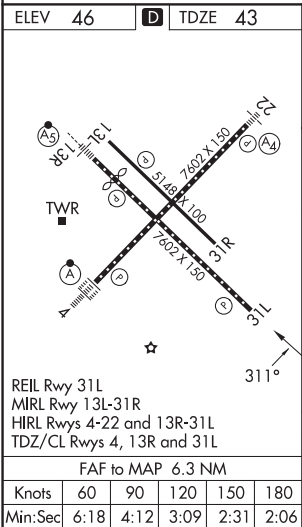
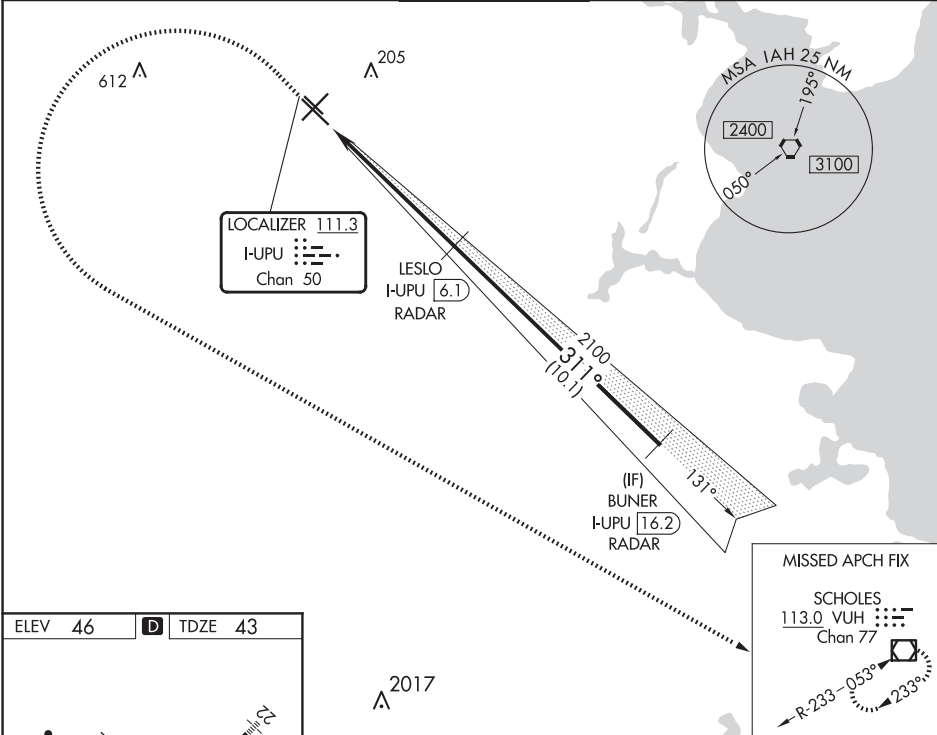


LOC/DME I-UPU <b>111.3</b> Chan <b>50</b>	APP CRS <b>311°</b>	Rwy Idg <b>7602</b> TDZE <b>43</b> Apt Elev <b>46</b>
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ILS or LOC RWY 31L  
WILLIAM P HOBBY (HOU)

RADAR or DME required for LOC only. RADAR required for procedure entry.		MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 direct VUH VOR/DME and hold.	
T A			

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
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1000 3000 VUH		VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 76).		BUNER I-UPU 16.2 RADAR	
*LOC only		LESLO I-UPU 6.1 RADAR		2100 311° 4000	
*I-UPU 1.1		2100		GS 3.00° TCH 58	
1.3		5 NM		10.1 NM	
CATEGORY	A		B		D
S-ILS 31L	243/40		200 (200-¾)		
S-LOC 31L	520/55 477 (500-1)		520-1⅜ 477 (500-1⅜)		
CIRCLING	520-1 474 (500-1)		740-2¼ 694 (700-2¼)		

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-198 (FAA)

25163

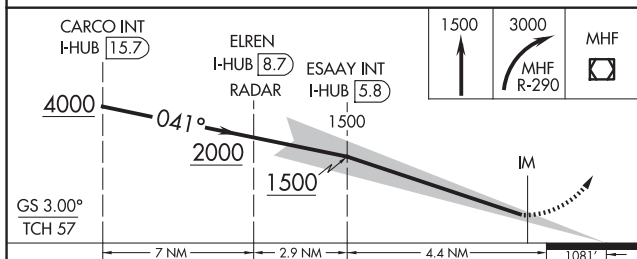
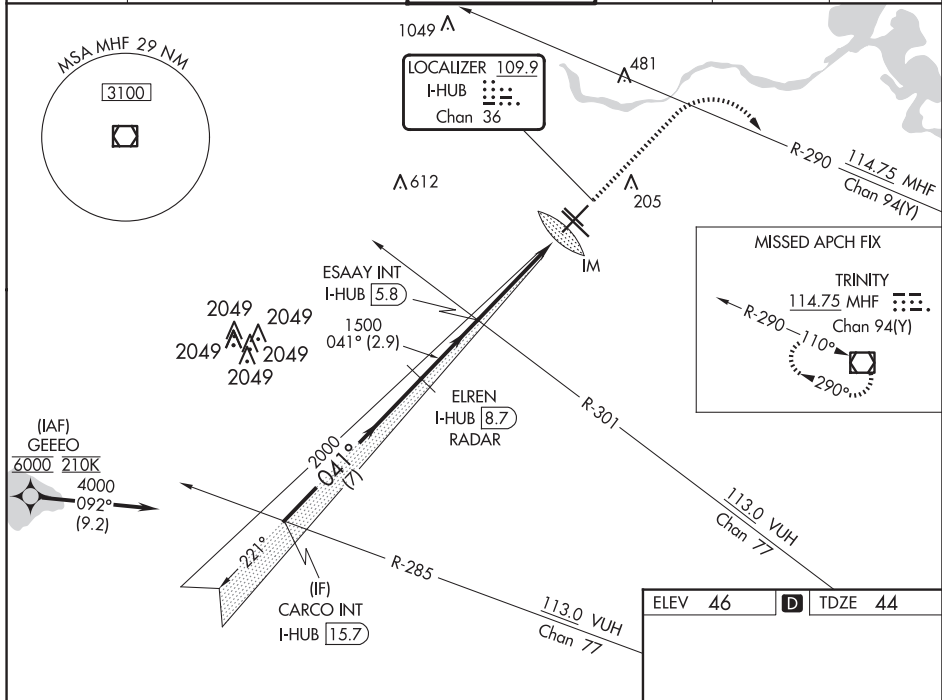
LOC/DME I-HUB <b>109.9</b> Chan <b>36</b>	APP CRS <b>041°</b>	Rwy Idg <b>7602</b> TDZE <b>44</b> Apt Elev <b>46</b>
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# ILS RWY 4 (SA CAT I)

WILLIAM P HOBBY (HOU)

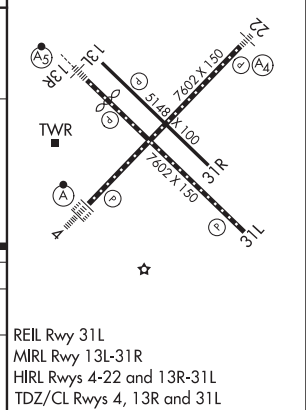
Aircraft not GPS equipped - RADAR required for procedure entry. From GEEEO: RNAV 1- GPS required.	ALSF-2 	MISSED APPROACH: Climb to 1500 then climbing right turn to 3000 on MHF VOR/DME R-290 to MHF VOR/DME and hold.
Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.		

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
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CATEGORY	A	B	C	D
S-ILS 4	RA 146/14 150 DA 194			

## SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



REIL Rwy 31L  
MIRL Rwy 13L-31R  
HIRL Rwy 4-22 and 13R-31L  
TDZ/CL Rwy 4, 13R and 31L

HOUSTON, TEXAS  
Amdt 43A 25APR19

29°39'N-95°17'W

WILLIAM P HOBBY (HOU)  
ILS RWY 4 (SA CAT I)

SC-5, 07 AUG 2025 to 02 OCT 2025

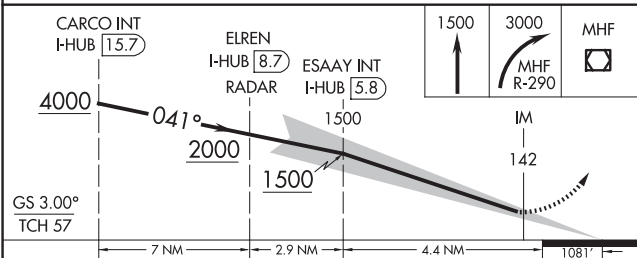
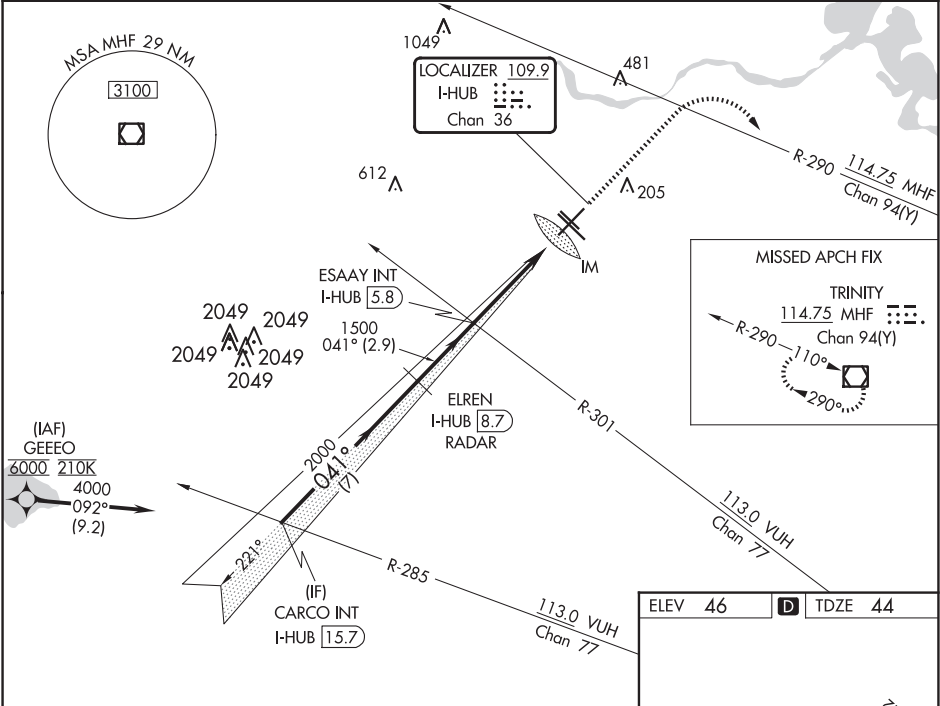
SC-5, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-HUB <b>109.9</b> Chan <b>36</b>	APP CRS <b>041°</b>	Rwy Idg TDZE <b>44</b> Apt Elev <b>46</b>
---	------------------------	---

ILS RWY 4 (CAT II & III)  
WILLIAM P HOBBY (HOU)

Aircraft not GPS equipped - RADAR required for procedure entry. From GEEEO: RNAV 1- GPS required.	ALSF-2 	MISSED APPROACH: Climb to 1500 then climbing right turn to 3000 on MHF VOR/DME R-290 to MHF VOR/DME and hold.
CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.		

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
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CATEGORY	A	B	C	D
S-ILS 4	CAT II RA 100/12 100 DA 144			
S-ILS 4	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW  
& AIRCRAFT CERTIFICATION REQUIRED

ELEV 46 **D** TDZE 44

The diagram shows the runway and taxiway layout. The runway is 31L and 31R. The taxiway is 31L and 31R. The diagram also shows the TWR (Tower) and the MSL (Minimum Safe Limit) for the runway. The diagram includes the following information: REIL Rwy 31L, MRL Rwy 13L-31R, HIRL Rwy 4-22 and 13R-31L, TDZ/CL Rwy 4, 13R and 31L.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

HOUSTON, TEXAS

AL-198 (FAA)

25163

WAAS CH <b>86209</b> <b>W04A</b>	APP CRS <b>041°</b>	Rwy Idg <b>7602</b> TDZE <b>44</b> Apt Elev <b>46</b>
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RNAV (GPS) RWY 4

WILLIAM P HOBBY (HOU)

⚠

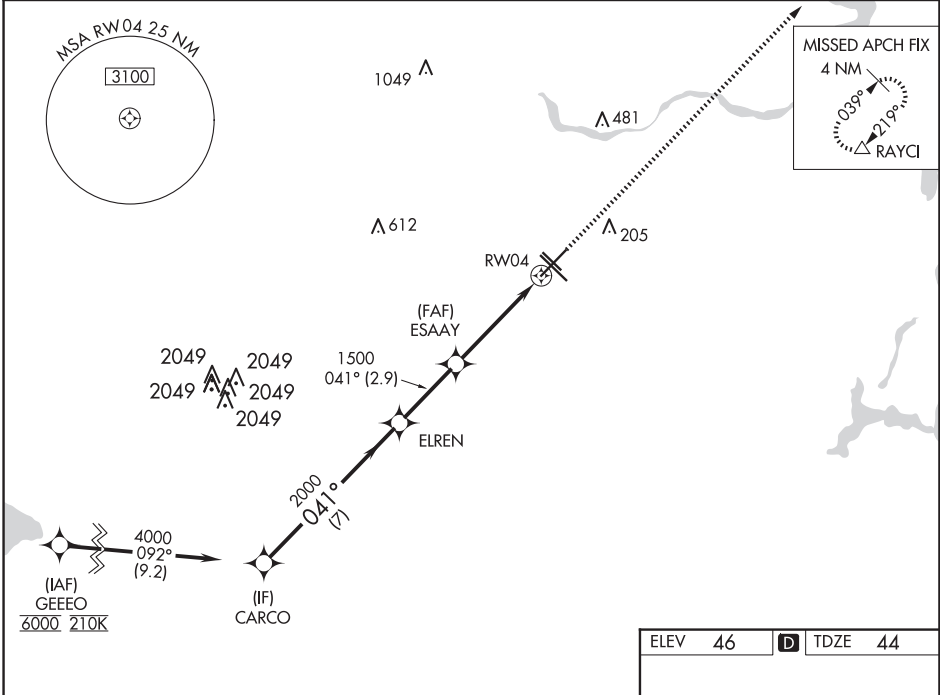
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C (29°F) or above 54°C (130°F). For inop ALSF-2, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to 1½ miles and LNAV Cat C/D/E visibility to 1¾ mile. DME/DME RNP-0.3 NA.

ALSF-2

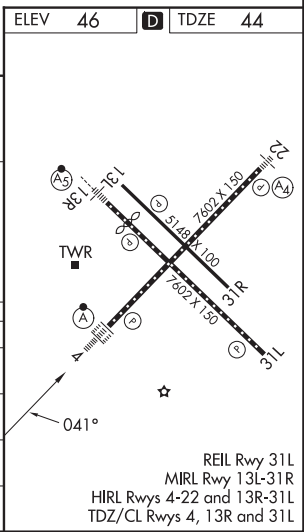
MISSED APPROACH:

Climb to 2000 direct RAYCI and hold.

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1 EAST</b> <b>124.35 316.15 WEST</b>	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
------------------------	--	-----------------------------------	-------------------------	---------------------------	-------



	CARCO	ELREN	ESAAY	2000	RAYCI
	4000	2000	1500	1500	
		041°			
	GP 3.00° TCH 57				
	7 NM	2.9 NM	3.1 NM	1.3 NM	
CATEGORY	A	B	C	D	E
LPV DA		244/18	200 (200-½)		
LNAV/VNAV DA		440/45	396 (400-¾)		
LNAV MDA	520/24	476 (500-½)	520/50	476 (500-1)	
CIRCLING	520-1	474 (500-1)	740-2¼	694 (500-2¼)	860-3 814 (900-3)



HOUSTON, TEXAS  
Amdt 3A 17AUG17

29°39'N-95°17'W

WILLIAM P HOBBY (HOU)  
RNAV (GPS) RWY 4

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>70310</b> <b>W13A</b>	APP CRS <b>131°</b>	Rwy Idg <b>6568</b> TDZE <b>46</b> Apt Elev <b>46</b>
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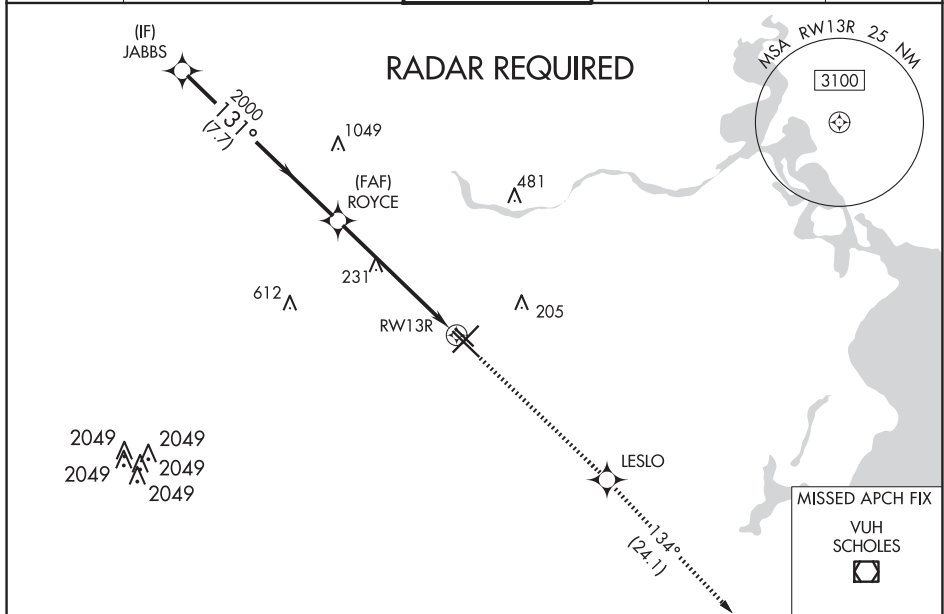
RNAV (GPS) RWY 13R  
WILLIAM P HOBBY (HOU)

**A** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. DME/DME RNP-0.3 NA. For inop ALS, increase LPV all Cats visibility to RVR 5000; increase LNAV/VNAV Cats A/B/C/D visibility to 1½ SM, Cat E to 1½ SM; and increase LNAV Cats A/B visibility to RVR 5500, Cats C/D to 1½ SM, Cat E to 1¾ SM. Rwy 13R helicopter visibility reduction below ¾ SM NA.



MISSED APPROACH: Climb to 2200 direct LESLO and on track 134° to VUH VOR/DME.

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
------------------------	--	-----------------------------------	-------------------------	---------------------------	-------



CATEGORY	A	B	C	D	E
LPV DA	330/40	284 (300-¾)			
RNAV/VNAV DA	475/50	429 (500-1)			
RNAV MDA	540/40	494 (500-¾)	540/50	494 (500-1)	540/60 494 (500-1½)
<b>C</b> CIRCLING	540-1	494 (500-1)	740-2¼	694 (700-2¼)	860-3 814 (900-3)

HOUSTON, TEXAS

AL-198 (FAA)

25163

WAAS CH <b>65610</b> <b>W22A</b>	APP CRS <b>221°</b>	Rwy Idg <b>7602</b> TDZE <b>41</b> Apt Elev <b>46</b>
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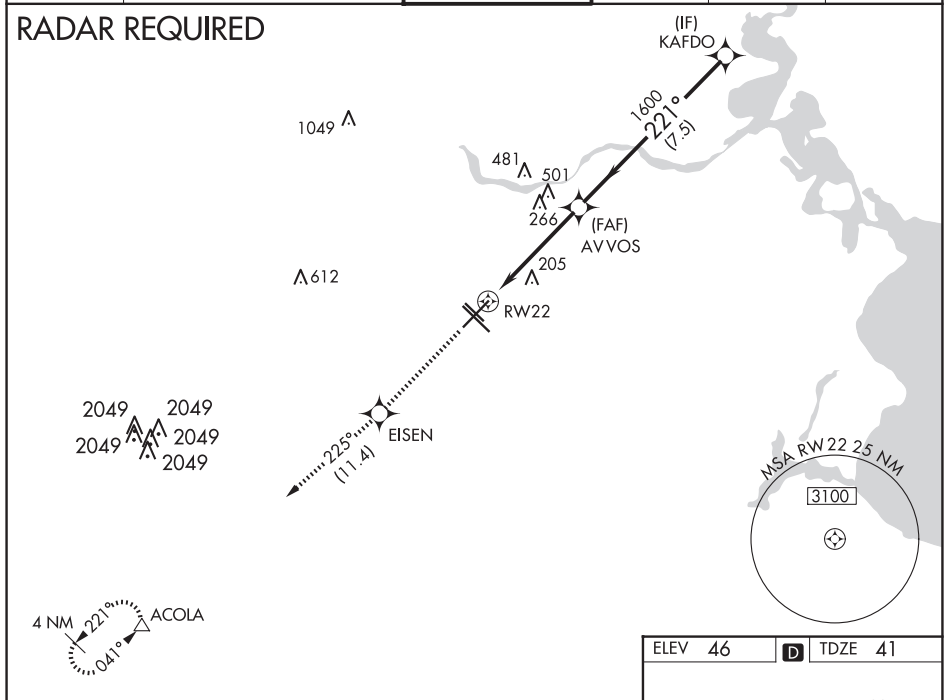
# RNAV (GPS) RWY 22

WILLIAM P HOBBY (HOU)

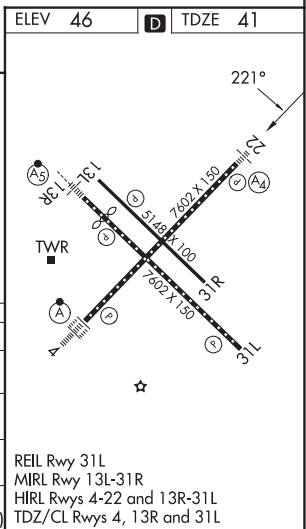
RNP APCH.	MALS	MISSED APPROACH: Climb to 3000 direct EISEN and on track 225° to ACOLA and hold.
<div><div>▼</div><div>▲</div></div> Inop table does not apply to LPV, LNAV/VNAV all Cats, and LNAV Cat C. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).	<div><div>Ⓐ</div><div>≡</div></div>	

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
------------------------	--	-----------------------------------	-------------------------	---------------------------	-------

## RADAR REQUIRED



3000 ↑	EISEN ✳	225° tr	ACOLA △	KAFDO 2000	
*LNAV only.		*1.5 NM to RW22		GP 3.00° TCH 52	
RW22 ↙		↘		↗	
1.5 NM		3.2 NM		7.5 NM	
A		B		C	
LPV DA		360-1		319 (400-1)	
LNAV/VNAV DA		480-1½		439 (500-1½)	
LNAV MDA		580-¾ 539 (600-¾)		580-1½ 539 (600-1½)	
CIRCLING		580-1 534 (600-1)		580-1¾ 539 (600-1¾)	
				580-2 539 (600-2)	
				580-2¾ 774 (800-2¾)	
				740-2¼ 694 (700-2¼)	



HOUSTON, TEXAS  
Amdt 2C 23APR20

29°39'N-95°17'W

# RNAV (GPS) RWY 22

WILLIAM P HOBBY (HOU)

SC-5, 07 AUG 2025 to 02 OCT 2025





HOUSTON, TEXAS

AL-198 (FAA)

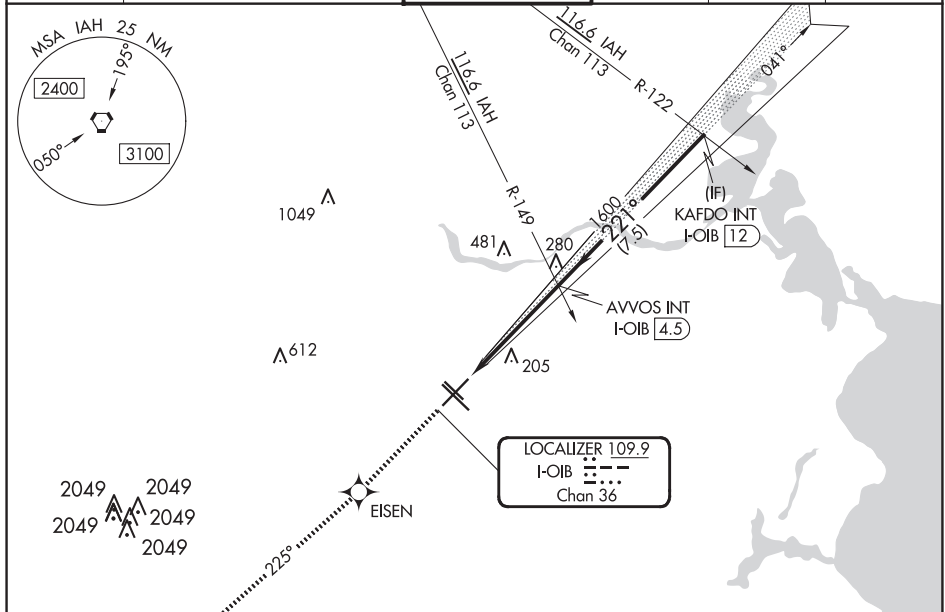
25163

LOC/DME I-OIB <b>109.9</b> Chan <b>36</b>	APP CRS <b>221°</b>	Rwy Idg <b>7602</b> TDZE <b>41</b> Apt Elev <b>46</b>
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LOC RWY 22  
WILLIAM P HOBBY (HOU)

RNAV 1-GPS required. RADAR required for procedure entry.		MALS 	MISSED APPROACH: Climb to 3000 direct EISEN and on track 225° to ACOLA and hold.	
	For inop ALS, increase S-LOC 22 Cat C/D/E visibility to 1 3/8 SM.			

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1</b> EAST <b>124.35 316.15</b> WEST	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>	CLNC DEL <b>125.45</b>	CPDLC
------------------------	--	-----------------------------------	-------------------------	---------------------------	-------



4 NM 221° 0.4 NM ACOLA

3000 EISEN tr 225° ACOLA

I-OIB 1.1

AVVOS INT I-OIB 4.5

KAFDO INT I-OIB 12

2000

1600 221°

3.05°

TCH 49

1.3 3.4 NM 7.5 NM

CATEGORY	A	B	C	D	E
S-LOC 22	500- $\frac{3}{4}$	459 (500- $\frac{3}{4}$ )	500-1	459 (500-1)	
CIRCLING	500-1 454 (500-1)	520-1 474 (500-1)	540-1 $\frac{1}{2}$ 494 (500-1 $\frac{1}{2}$ )	740-2 $\frac{1}{4}$ 694 (700-2 $\frac{1}{4}$ )	820-2 $\frac{3}{4}$ 774 (800-2 $\frac{3}{4}$ )

ELEV 46 TDZE 41

221°

1.3 NM 0.4 NM 5148 7602 X 100 31R 7602 X 150 31L

TWR

A B C D E

FAF to MAP 4.7 NM

	Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34	

HOUSTON, TEXAS

Amdt 2 20JUN19

29°39'N-95°17'W

WILLIAM P HOBBY (HOU)

LOC RWY 22

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





## AIRPORT DIAGRAM

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

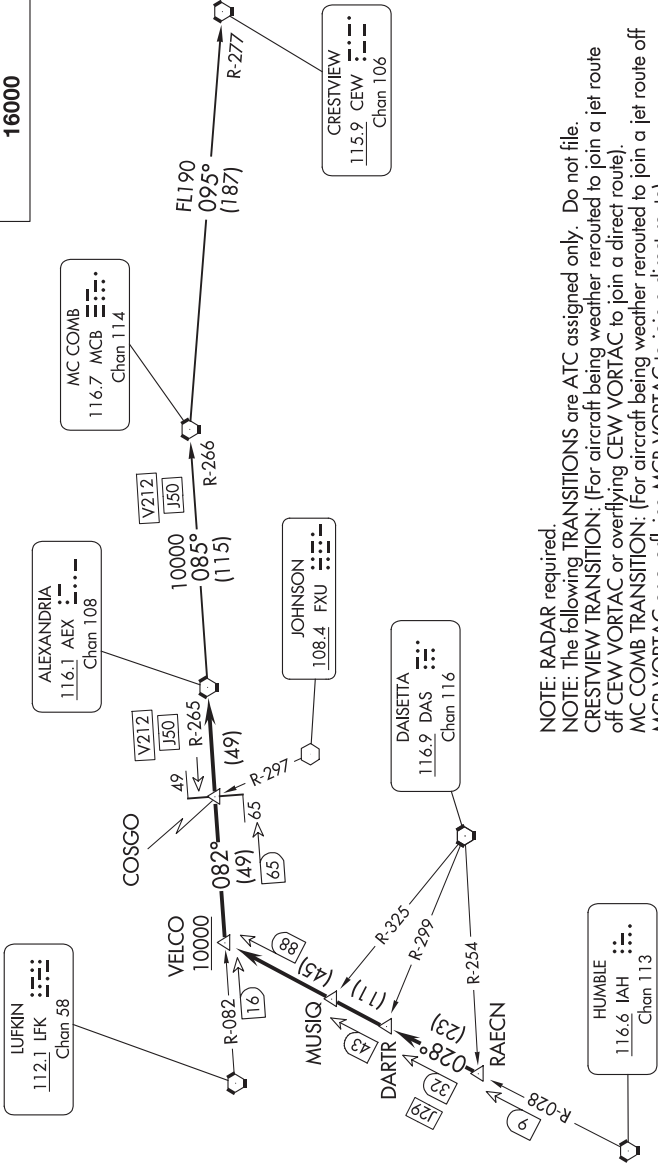
ALEXANDRIA THREE DEPARTURE  
(AEX3.AEX) 07OCT21

(AEX3.AEX) 25135

456  
AL-198 (FAA)

WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS

TOP ALTITUDE:  
16000



NOTE: RADAR required.  
NOTE: The following TRANSITIONS are ATC assigned only. Do not file.  
CRESTVIEW TRANSITION: (For aircraft being weather rerouted to join a jet route off CEW VORTAC or overflying CEW VORTAC to join a direct route).  
MC COMB TRANSITION: (For aircraft being weather rerouted to join a jet route off MCB VORTAC or overflying MCB VORTAC to join a direct route).

TAKEOFF MINIMUMS  
Rwys 4, 13L/R, 31L/R: Standard.  
Rwy 22: Standard with minimum climb of 290' per NM to 1500.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4, 13L/R, 22: Climb on assigned heading for RADAR vectors to  
RAECN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .  
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 800 before turning, then climb on  
assigned heading for RADAR vectors to RAECN INT, maintain 16000. Expect filed  
altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on  
LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and  
MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and  
MCB R-266 to MCB VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(BLTWY7.BLTWY) 21280

AL-198 (FAA)

WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS

BLTWY SEVEN DEPARTURE (RNAV)

D-ATIS 124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

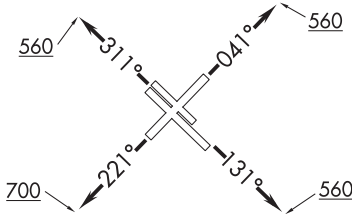
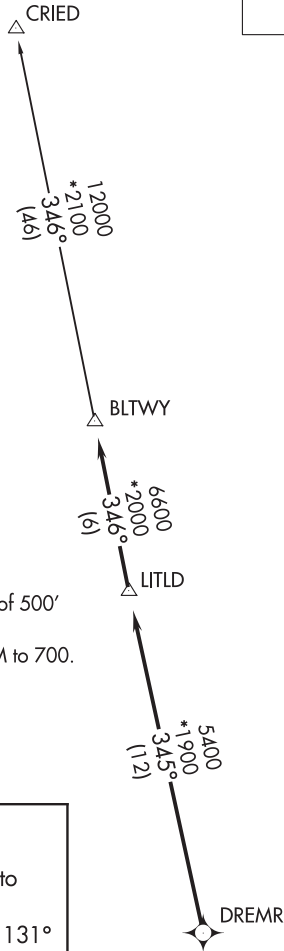
Rwys 4, 13L/R, 31L/R: Standard with minimum climb of 500' per NM to 560.  
Rwy 22: Standard with minimum climb of 500' per NM to 700.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560 for RADAR vectors to DREMR, thence . . .  
TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560 for RADAR vectors to DREMR, thence . . .  
TAKEOFF RUNWAY 22: Climb on heading 221° to 700 for RADAR vectors to DREMR, thence . . .  
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560 for RADAR vectors to DREMR, thence . . .

. . . on track 345° to LITLD, then on track 346° to BLTWY, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.

BLTWY SEVEN DEPARTURE (RNAV)

(BLTWY7.BLTWY) 07OCT21

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

Cried One Departure

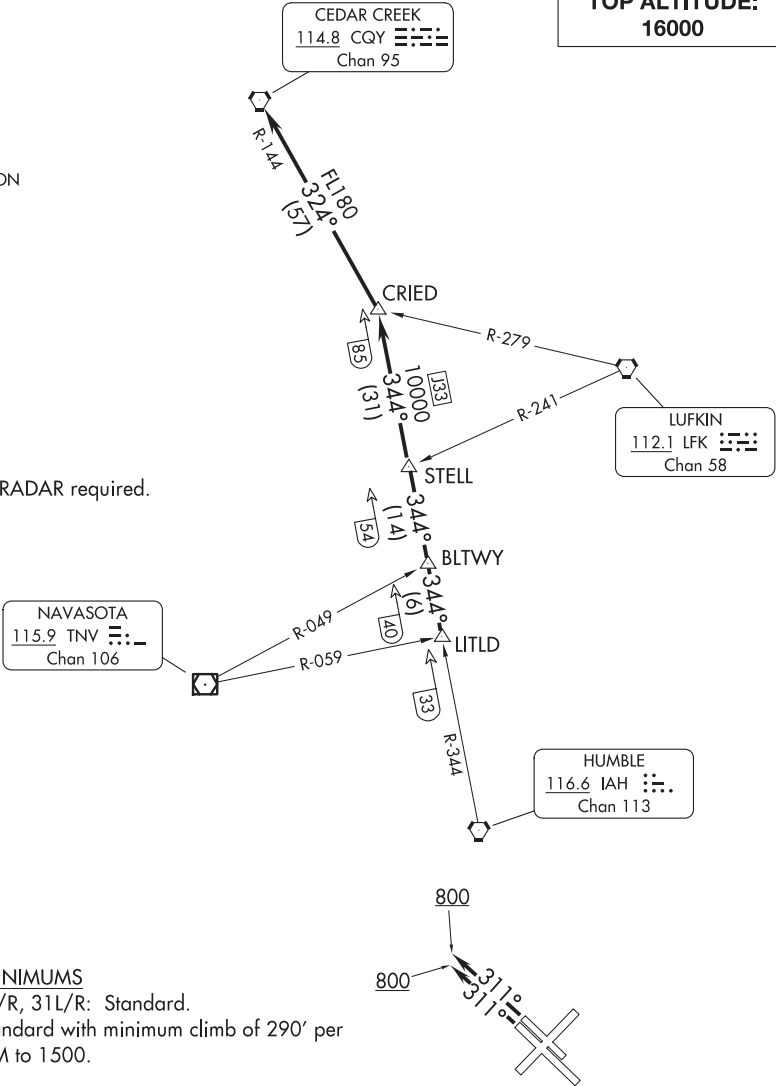
AL-198 (FAA)

WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

NOTE: RADAR required.



TAKEOFF MINIMUMS  
Rwys 4, 13L/R, 31L/R: Standard.  
Rwy 22: Standard with minimum climb of 290' per  
NM to 1500.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

Cried One Departure

(Cried1.Cried) 07OCT21

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)

CRIED ONE DEPARTURE

AL-198 (FAA)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4, 13L/R, 22: Climb on assigned heading for RADAR vectors to LITLD INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .  
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 800 before turning, then climb on assigned heading for RADAR vectors to LITLD INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .  
  
. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

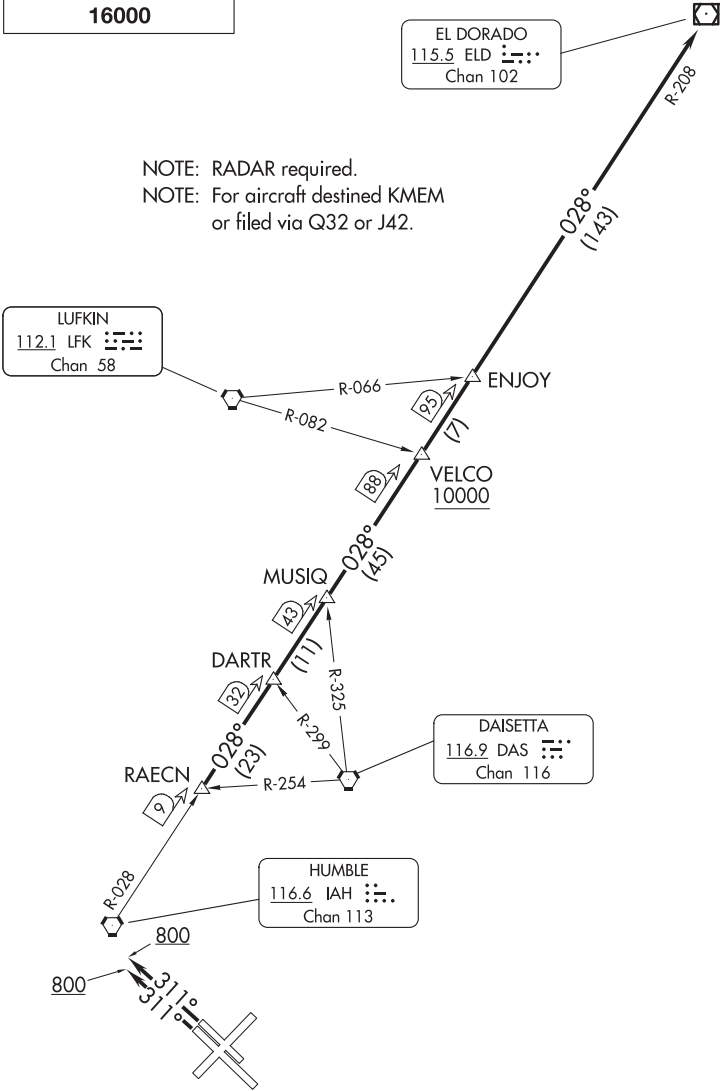
SC-5, 07 AUG 2025 to 02 OCT 2025

EL DORADO ONE DEPARTURE

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.



TAKEOFF MINIMUMS  
Rwys 4, 13L/R, 31L/R: Standard.  
Rwy 22: Standard with minimum climb of 290' per NM to 1500.

NOTE: Chart not to scale. (CONTINUED ON FOLLOWING PAGE)

EL DORADO ONE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4, 13L/R, 22: Climb on assigned heading for RADAR vectors to RAECN INT, maintain 16000, expect filed altitude 10 minutes after departure, thence. . . .

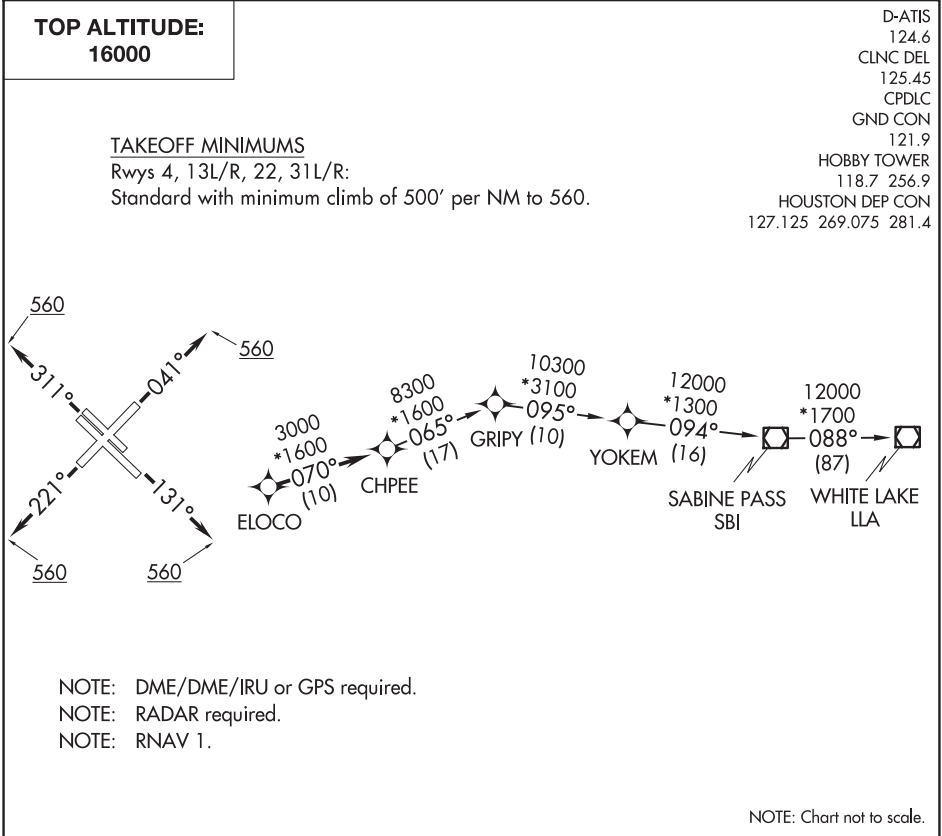
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 800 before turning, then climb on assigned heading for RADAR vectors to RAECN INT, maintain 16000, expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4:

Climb on heading 041° to 560, expect RADAR vectors to ELOCO, thence . . . .

TAKEOFF RUNWAYS 13L/R:

Climb on heading 131° to 560, expect RADAR vectors to ELOCO, thence . . . .

TAKEOFF RUNWAY 22:

Climb on heading 221° to 560, expect RADAR vectors to ELOCO, thence . . . .

TAKEOFF RUNWAYS 31L/R:

Climb on heading 311° to 560, expect RADAR vectors to ELOCO, thence . . . .

. . . . on track 070° to CHPEE, then on (transition). Maintain 16000, expect filed altitude 10 minutes after departure.

WHITE LAKE TRANSITION (ELOCO6.LLA)

GIFFA ONE DEPARTURE

AL-198 (FAA)

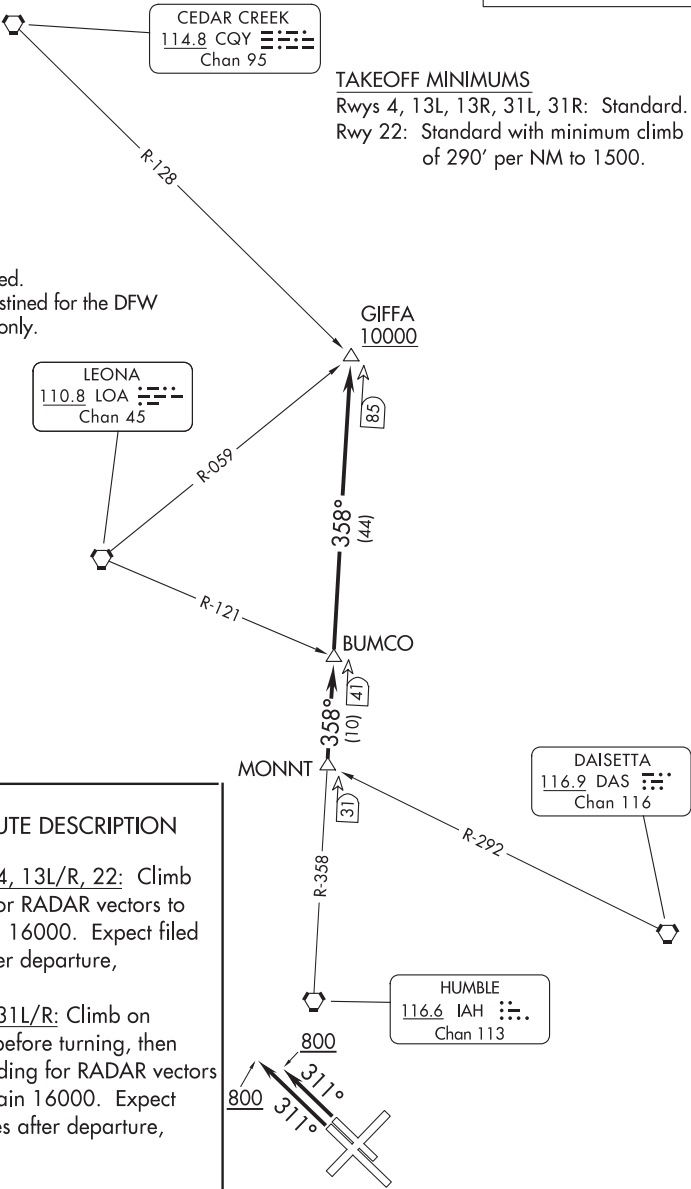
WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

TAKEOFF MINIMUMS  
Rwys 4, 13L, 13R, 31L, 31R: Standard.  
Rwy 22: Standard with minimum climb  
of 290' per NM to 1500.

NOTE: RADAR required.  
NOTE: For aircraft destined for the DFW  
terminal area only.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4, 13L/R, 22: Climb on assigned heading for RADAR vectors to MONNT INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 800 before turning, then climb on assigned heading for RADAR vectors to MONNT INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-358 to cross GIFFA INT at or above 10000.

NOTE: Chart not to scale.

GIFFA ONE DEPARTURE

(GIFFA1.GIFFA) 07OCT21

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)

## HOODO SEVEN DEPARTURE (RNAV)

D-ATIS  
1124.6  
CLINC D  
1125.45  
CPDLC  
GND CCR  
1121.9  
HOBBY  
1118.7  
HOUSTON  
1127.125

NOTE: RNAV 1.

NOTE: RADAR required.

NOTE: ATC assigned only.

NOTE: DME/DME/IRU or GPS required.

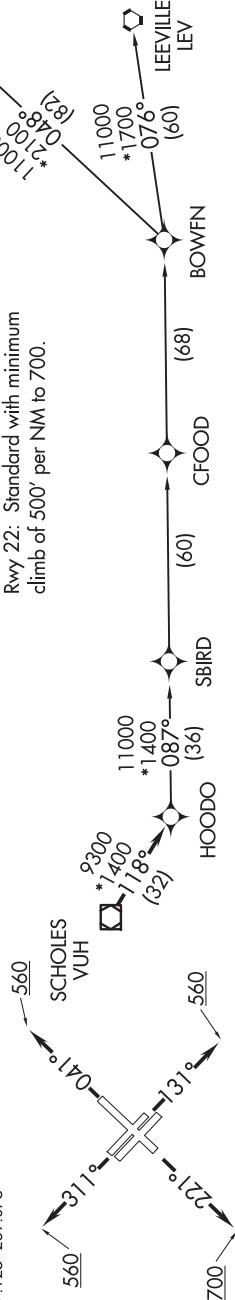
NOTE: For non-GPS equipped aircraft, LCH, LLA, TBD, and LEV DME's must be operational.

**TOP ALTITUDE: 16000**

## TAKEOFF MINIMUMS

Rwys 4, 13L/R, 31L/R: Standard with minimum climb of 500' per NM to 560.

Rwy 22: Standard with minimum climb of 500' per NM to 700.



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560, for RADAR vectors to VUH VOR/DME, thence . . . .

TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560. for RADAR vectors to VUH VOR/DME. thence . . .

TAKEOFF RUNWAY 22. Climb on heading 221° to 700 for BADAR vectors to VILH VOR/DME thence

**TAKEOFF RUNWAYS 31L/R:** Climb on heading 311° to 560, for RADAR vectors to VUH VOR/DME, thence . . .

... on track 118° to HOODO, then on (transition). Maintain 16000.

Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOODO7.BOWFN)

## CFood Transition (Hoodo7.CFood)

HARVEY TRANSITION (HOODOO7 HRV)

ULFVILF TRANSITION (HOOD071EV)

SEEVERLE TRANSITION (HOODOO:LEV)  
SBIRD TRANSITION (HOODOO:SBIRD)

NOTE: Chart not to scale.

(INDIE8.INDIE) 21280

INDIE EIGHT DEPARTURE (RNAV)

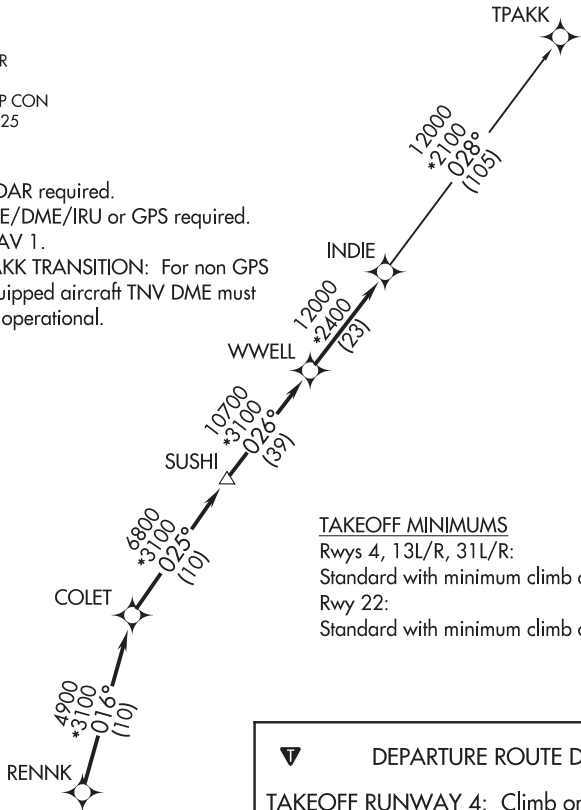
466  
AL-198 (FAA)

WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS

D-ATIS 124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS

Rwys 4, 13L/R, 31L/R:  
Standard with minimum climb of 500' per NM to 560.  
Rwy 22:  
Standard with minimum climb of 500' per NM to 700.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560  
for RADAR vectors to RENNK, thence . . . .

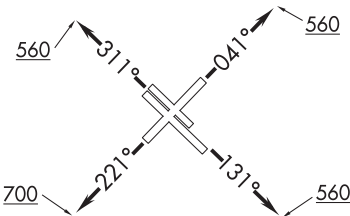
TAKEOFF RUNWAYS 13L/R: Climb on heading 131°  
to 560 for RADAR vectors to RENNK, thence . . . .

TAKEOFF RUNWAY 22: Climb on heading 221° to 700  
for RADAR vectors to RENNK, thence . . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to  
560 for RADAR vectors to RENNK, thence . . . .

. . . . on track 016° to COLET, then on track 025° to  
SUSHI, then on track 026° to WWELL, then on track  
026° to INDIE, then on (transition). Maintain 16000  
or as assigned by ATC. Expect filed altitude 10 minutes  
after departure.

TPAKK TRANSITION (INDIE8.TPAKK)



NOTE: Chart not to scale.

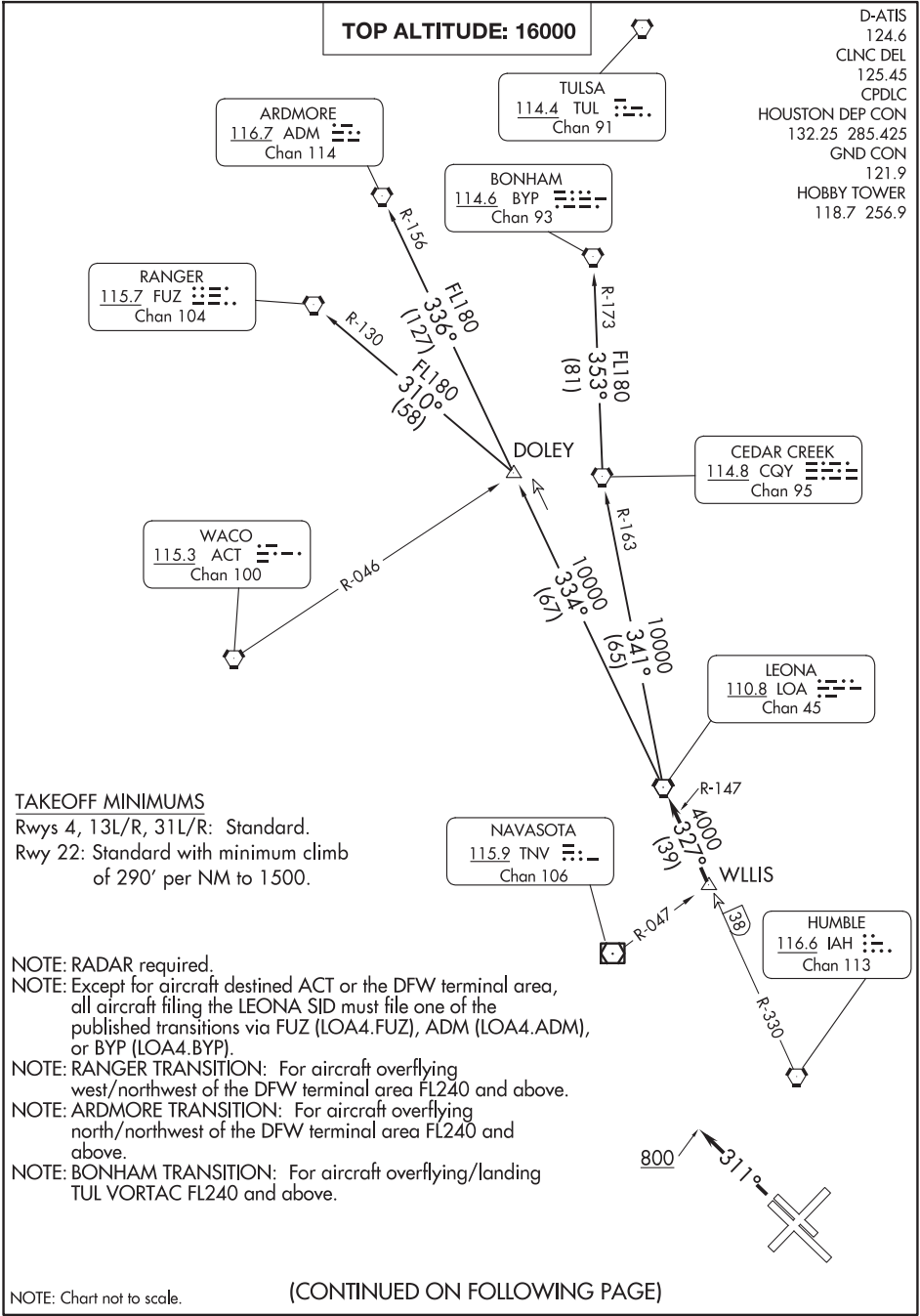
INDIE EIGHT DEPARTURE (RNAV)

(INDIE8.INDIE) 07OCT21

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4, 13L/R, 22: Climb on assigned heading for RADAR vectors to WLLIS INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 800 before turning, then climb on assigned heading for RADAR vectors to WLLIS INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

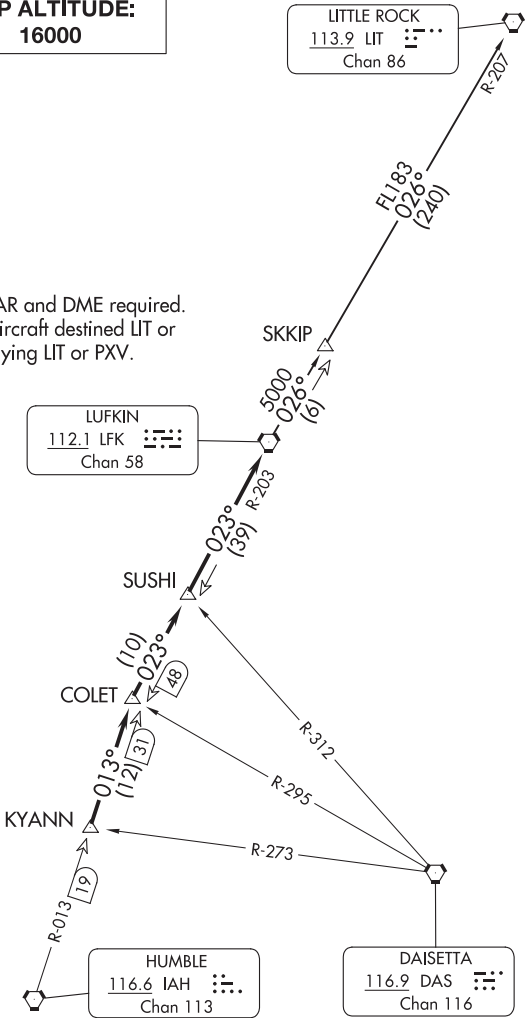
D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58



TAKEOFF MINIMUMS  
Rwys 4, 13L/R, 31L/R: Standard.  
Rwy 22: Standard with minimum climb of 290' per  
NM to 1500.

LUFKIN THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4, 13L/R, 22: Climb on assigned heading for RADAR vectors to KYANN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 800 before turning, then climb on assigned heading for RADAR vectors to KYANN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .

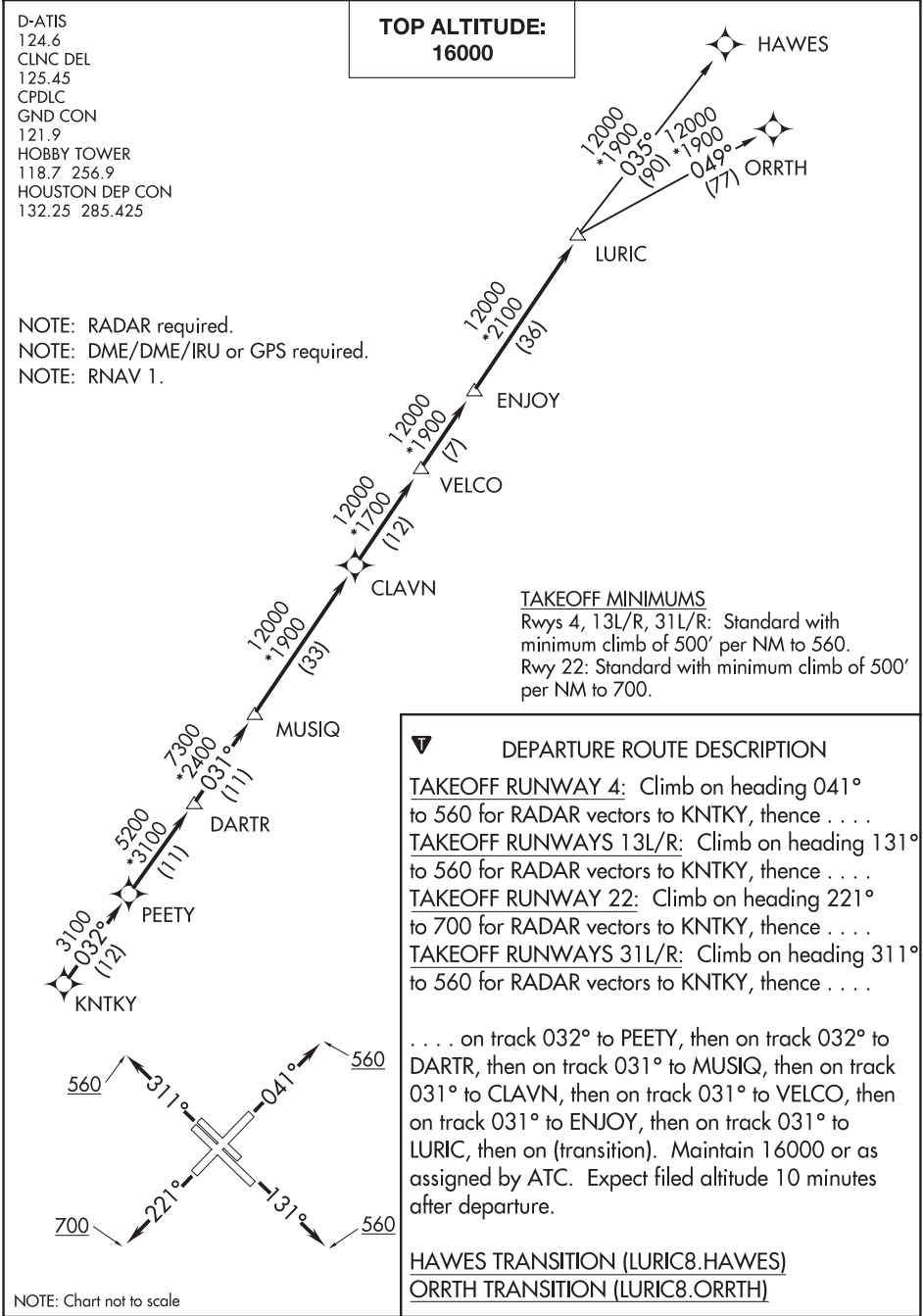
. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

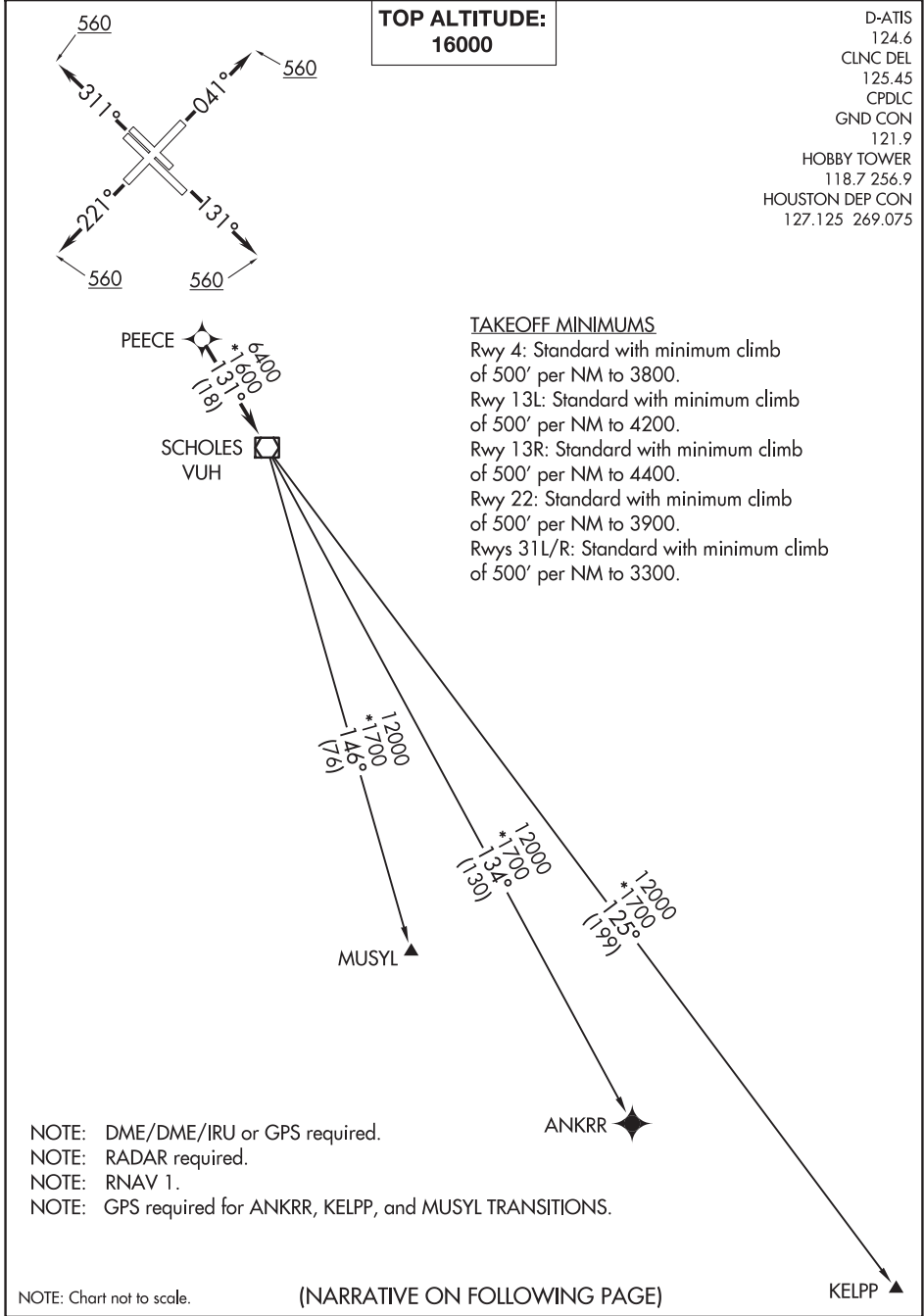




(PEECE6.PEECE) 22027  
PEECE SIX DEPARTURE (RNAV)

472  
AL-198 (FAA)

WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560, expect RADAR vectors to PEECE, thence. . . .

TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560, expect RADAR vectors to PEECE, thence. . . .

TAKEOFF RUNWAY 22: Climb on heading 221° to 560, expect RADAR vectors to PEECE, thence. . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560, expect RADAR vectors to PEECE, thence. . . .

. . . .on track 131° to VUH VOR/DME, then on (transition). Maintain 16000, expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (PEECE6.ANKRR)

KELPP TRANSITION (PEECE6.KELPP)

MUSYL TRANSITION (PEECE6.MUSYL)

(PTRON9.PTRON) 22251

AL-198 (FAA)

WILLIAM P HOBBY (HOU)

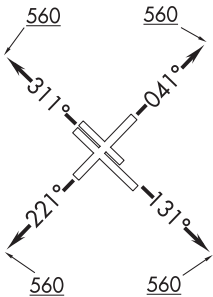
HOUSTON, TEXAS

PTRON NINE DEPARTURE (RNAV)

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
127.125 269.075

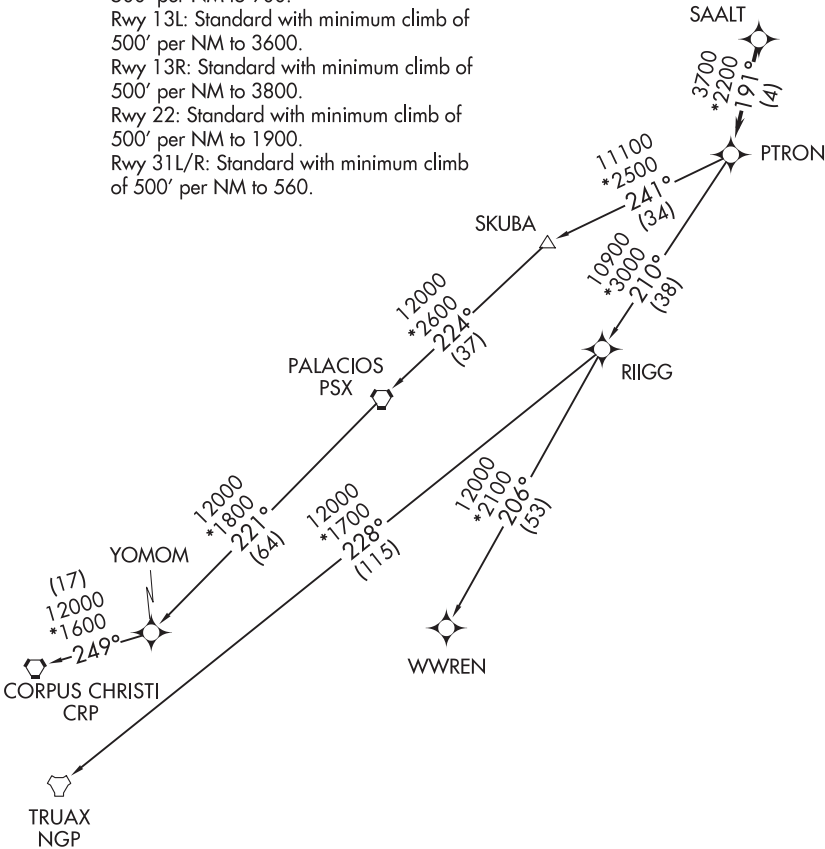
RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

TOP ALTITUDE:  
16000



TAKEOFF MINIMUMS

- Rwy 4: Standard with minimum climb of 500' per NM to 900.
- Rwy 13L: Standard with minimum climb of 500' per NM to 3600.
- Rwy 13R: Standard with minimum climb of 500' per NM to 3800.
- Rwy 22: Standard with minimum climb of 500' per NM to 1900.
- Rwy 31L/R: Standard with minimum climb of 500' per NM to 560.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

PTRON NINE DEPARTURE (RNAV)

HOUSTON, TEXAS

(PTRON9.PTRON) 08SEP22

WILLIAM P HOBBY (HOU)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560, expect RADAR vectors to SAALT, thence. . . .

TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560, expect RADAR vectors to SAALT, thence. . . .

TAKEOFF RUNWAY 22: Climb on heading 221° to 560, expect RADAR vectors to SAALT, thence. . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560, expect RADAR vectors to SAALT, thence. . . .

. . . .on track 191° to PTRON, then on (transition). Maintain 16000, expect filed altitude 10 minutes after departure.

- CORPUS CHRISTI TRANSITION (PTRON9.CRP)
- PALACIOS TRANSITION (PTRON9.PSX)
- TRUAX TRANSITION (PTRON9.NGP)
- WWREN TRANSITION (PTRON9.WWREN)
- YOMOM TRANSITION (PTRON9.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

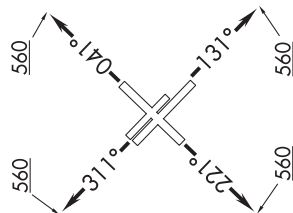
SC-5, 07 AUG 2025 to 02 OCT 2025

## RETYR EIGHT DEPARTURE (RNAV)

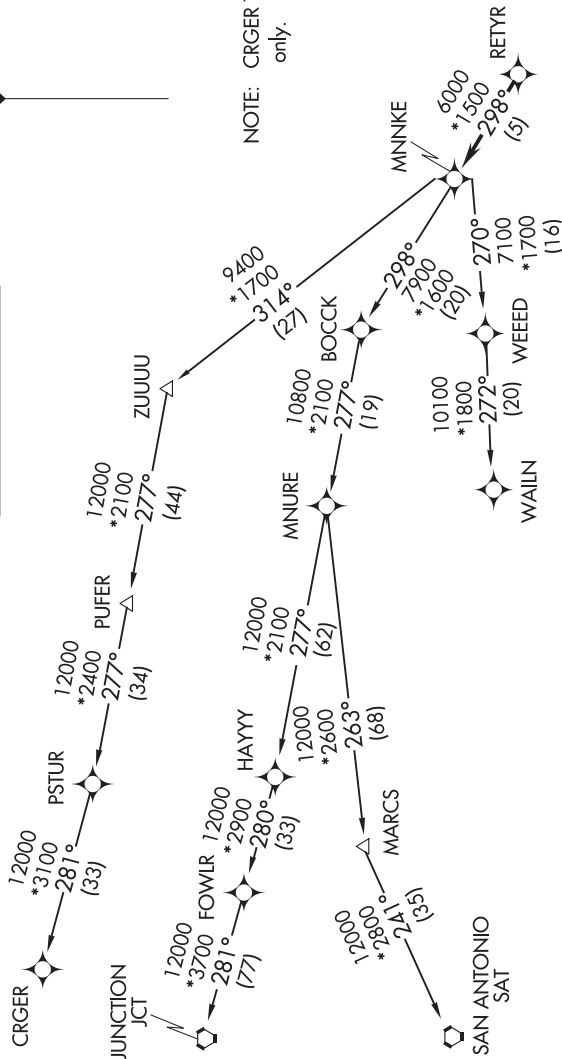
WILLIAM P HOBBY (HOU)  
HOUSTON, TEXAS

D-ATIS	124.6
CLINC DEL	125.45
CPDLC	
GND CON	121.9
HOBBY TOWER	118.7 256.9
HOUSTON DEP CON	126.675 339.8

NOTE: CRGER Transition ATC assigned only.

Z 

**TOP ALTITUDE:**  
**16000**



**TAKEOFF MINIMUMS**  
Rwys 4, 13L/R, 31L/R: Standard with minimum climb of 500' per NM to 560.  
Rwy 22: Standard with minimum climb of 500' per NM to 800

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

## RETYR EIGHT DEPARTURE (RNAV)

(RETYR8.RETYR) 03NOV22

HOUSTON, TEXAS

WILLIAM P HOBBY (HOU)

TDEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560, expect RADAR vectors to RETYR, thence . . . .

TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560, expect RADAR vectors to RETYR, thence . . . .

TAKEOFF RUNWAY 22: Climb on heading 221° to 560, expect RADAR vectors to RETYR, thence . . . .

TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560, expect RADAR vectors to RETYR, thence . . . .

. . . . on track 298° to MNNKE, then on (transition). Maintain 16000, expect filed altitude 10 minutes after departure.

CRGER TRANSITION (RETYR8.CRGER)  
JUNCTION TRANSITION (RETYR8.JCT)  
MNURE TRANSITION (RETYR8.MNURE)  
SAN ANTONIO TRANSITION (RETYR8.SAT)  
WAILN TRANSITION (RETYR8.WAILN)

STRYA EIGHT DEPARTURE (RNAV)

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

TOP ALTITUDE:  
16000

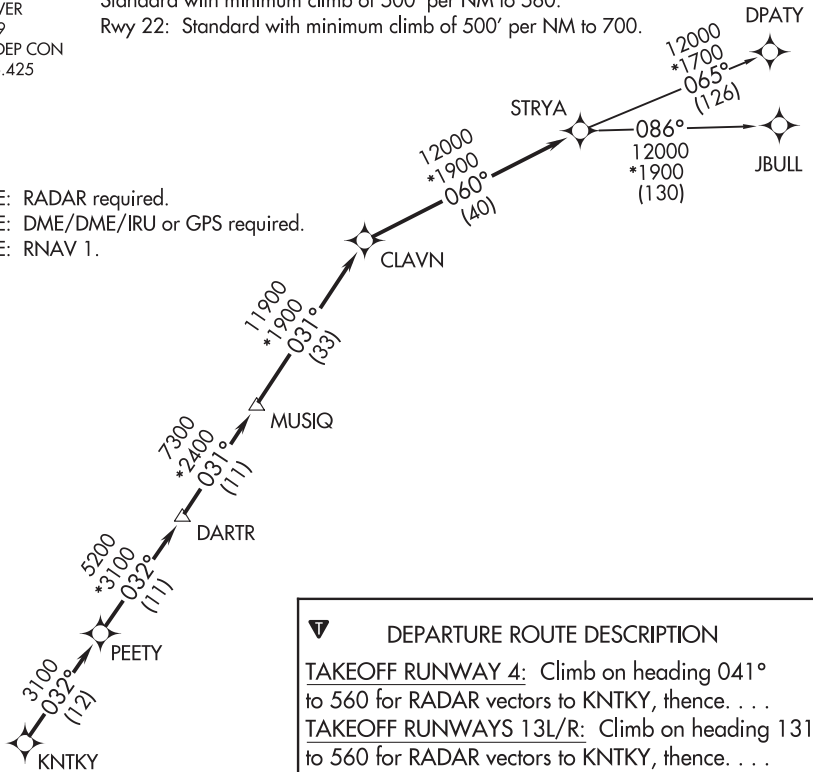
TAKEOFF MINIMUMS

Rwys 4, 13L/R, 31L/R:

Standard with minimum climb of 500' per NM to 560.

Rwy 22: Standard with minimum climb of 500' per NM to 700.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



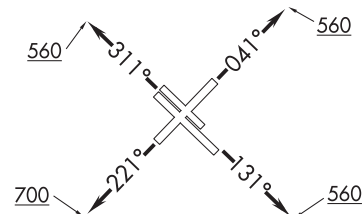
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560 for RADAR vectors to KNTKY, then. . .  
TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560 for RADAR vectors to KNTKY, then. . .  
TAKEOFF RUNWAY 22: Climb on heading 221° to 700 for RADAR vectors to KNTKY, then. . .  
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560 for RADAR vectors to KNTKY, then. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)

JBULL TRANSITION (STRYA8.JBULL)



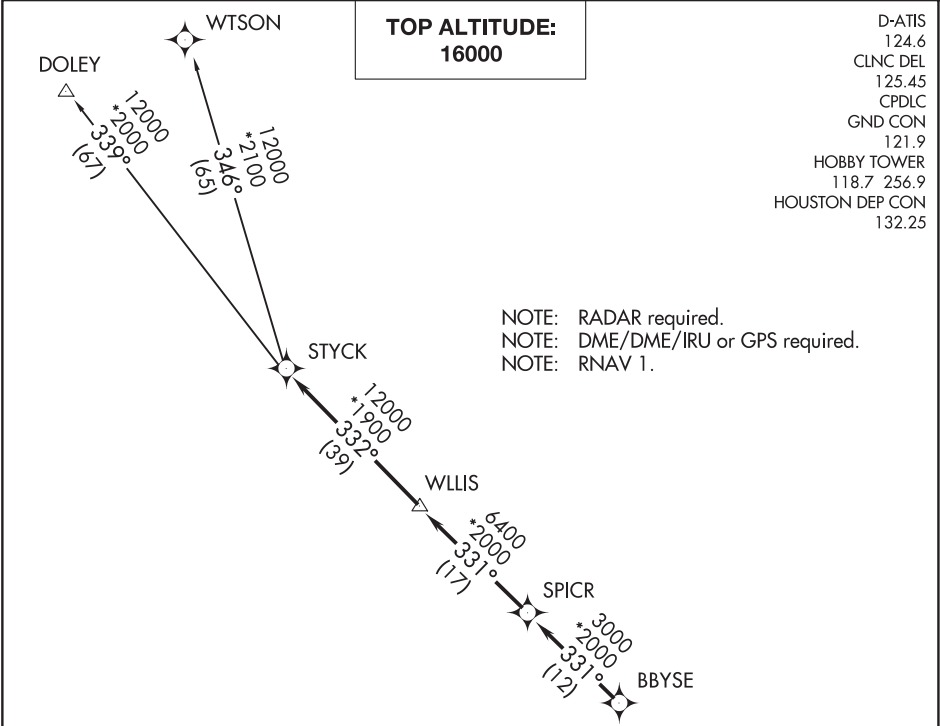
NOTE: Chart not to scale.

STRYA EIGHT DEPARTURE (RNAV)

(STRYA8.STRYA) 07OCT21

HOUSTON, TEXAS  
WILLIAM P HOBBY (HOU)





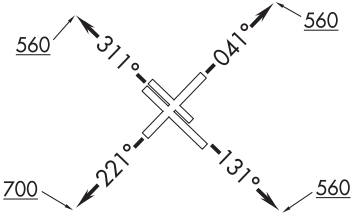
TAKEOFF MINIMUMS

Rwys 4, 13L/R, 31L/R: Standard with minimum climb of 500' per NM to 560.  
Rwy 22: Standard with minimum climb of 500' per NM to 700.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAY 22: Climb on heading 221° to 700 for RADAR vectors to BBYSE, thence. . .  
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560 for RADAR vectors to BBYSE, thence. . .  
...on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)  
WTSON TRANSITION (STYCK8.WTSON)



NOTE: Chart not to scale.

WYLSN EIGHT DEPARTURE (RNAV)

D-ATIS  
124.6  
CLNC DEL  
125.45  
CPDLC  
GND CON  
121.9  
HOBBY TOWER  
118.7 256.9  
HOUSTON DEP CON  
132.25 285.425

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 4, 13L/R, 31L/R: Standard with minimum climb of 500' per NM to 560.  
Rwy 22: Standard with minimum climb of 500' per NM to 700.

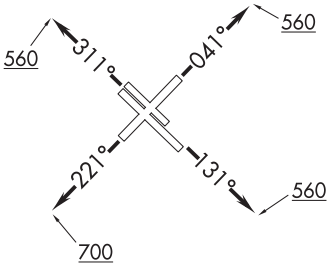
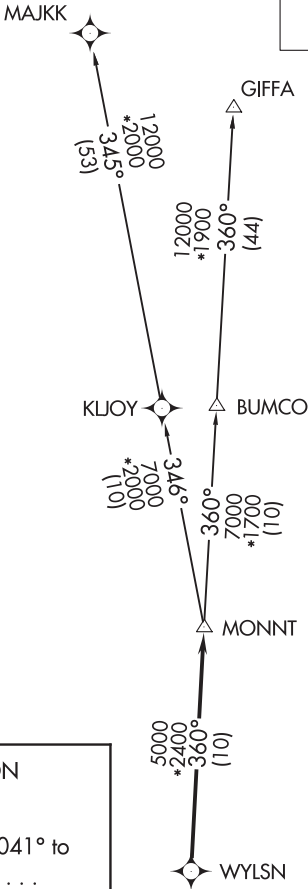


DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 041° to 560 for RADAR vectors to WYLSN, thence. . . .  
TAKEOFF RUNWAYS 13L/R: Climb on heading 131° to 560 for RADAR vectors to WYLSN, thence. . . .  
TAKEOFF RUNWAY 22: Climb on heading 221° to 700 for RADAR vectors to WYLSN, thence. . . .  
TAKEOFF RUNWAYS 31L/R: Climb on heading 311° to 560 for RADAR vectors to WYLSN, thence. . . .  
  
... on track 360° to MONNT, then on (transition).  
Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)

TOP ALTITUDE:  
16000



NOTE: Chart not to scale.

WYLSN EIGHT DEPARTURE (RNAV)

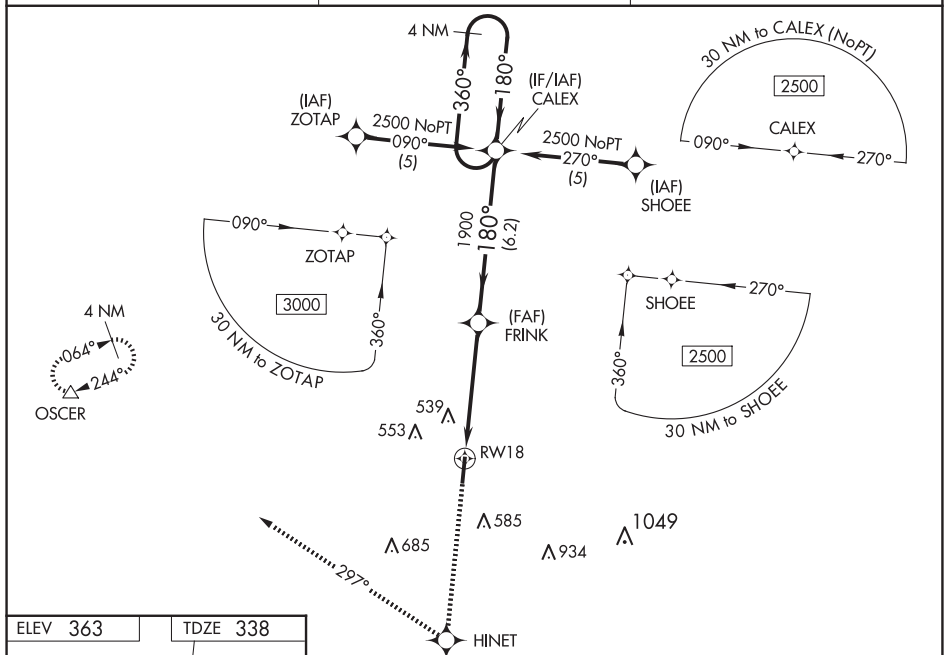
WAAS CH <b>72811</b> <b>W18A</b>	APP CRS <b>180°</b>	Rwy Idg <b>5005</b> TDZE <b>338</b> Apt Elev <b>363</b>
--	------------------------	---

RNAV (GPS) RWY 18  
HUNTSVILLE MUNI (UTS)

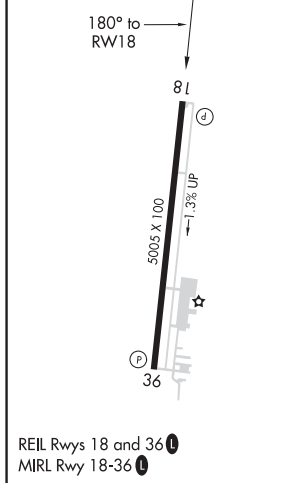
**T** Baro-VNAV NA when using Conroe/North Houston Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA when using Conroe/North Houston Rgnl altimeter setting. When local altimeter setting not received, use Conroe/North Houston Rgnl altimeter setting and increase all DA 75 feet and all MDA 80 feet; increase LPV and LNAV/VNAV all Cots and Circling Cat C visibility ¼ mile.

**MISSED APPROACH:** Climb to 4000 direct HINET and right turn via track 297° to OSCER and hold.

ASOS <b>119.425</b>	HOUSTON CENTER <b>134.8 269.6</b>	UNICOM <b>122.8 (CTAF) 0</b>
------------------------	--------------------------------------	---------------------------------



ELEV 363	TDZE 338
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VGS1 and RNAV glidepath not coincident  
(VGS1 Angle 3.00/TCH 26).

\*LNAV only.

**FRANK**

**CALEX**

4 NM Holding Pattern

360° →  
← 180°

2500

GP 3.00°  
TCH 40'

1.4 NM

3.4 NM

6.2 NM

CATEGORY	A	B	C	D
LPV DA	588-1	250 (300-1)		NA
LNAV/VNAV	886-2	548 (600-2)		NA
LNAV MDA	840-1	502 (500-1)	840-1½ 502 (500-1½)	NA
CIRCLING	920-1	557 (600-1)	1120-2¼ 757 (800-2¼)	NA

HUNTSVILLE, TEXAS

AL-5813 (FAA)

21336

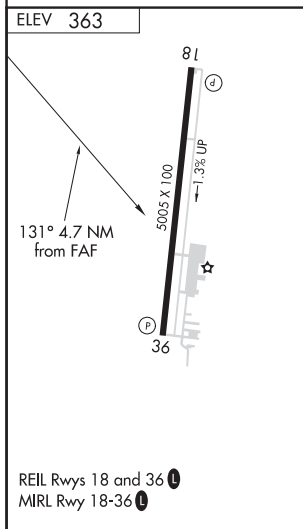
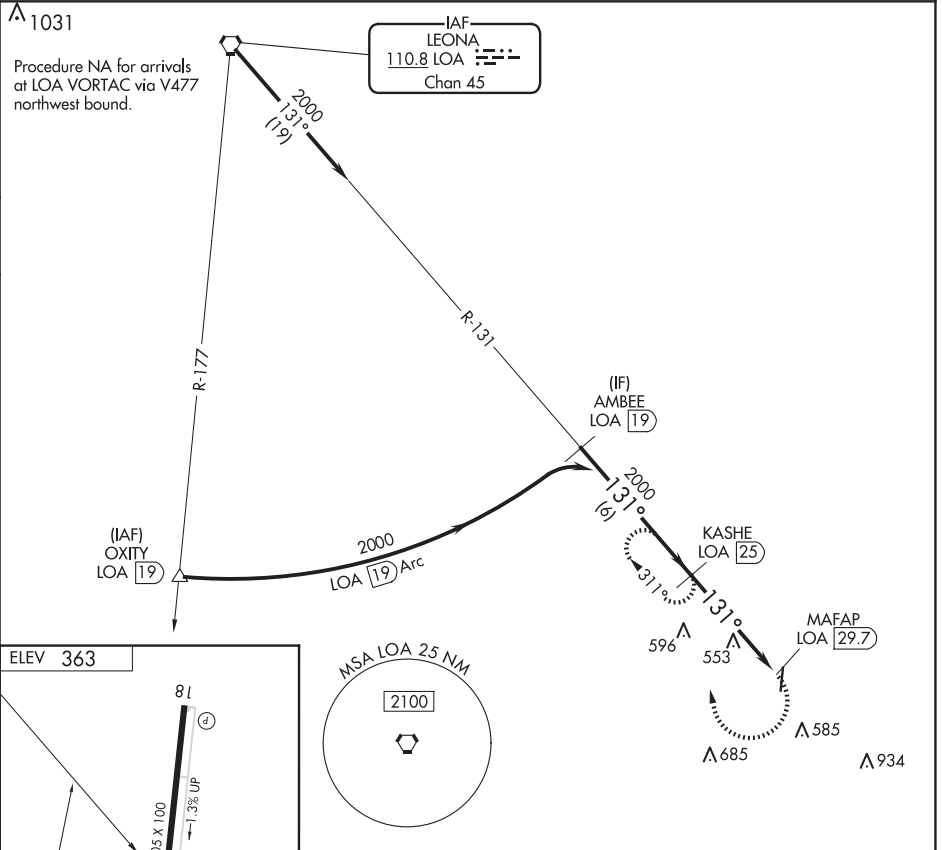
VOR LOA <b>110.8</b> Chan <b>45</b>	APP CRS <b>131°</b>	Rwy Idg TDZE Apt Elev	<b>NA</b> <b>NA</b> <b>363</b>
---	------------------------	-----------------------------	--------------------------------------

**VOR/DME-A**  
HUNTSVILLE MUNI (UTS)

**⚠** When local altimeter setting not received, use Conroe/North Houston Rgnl altimeter setting and increase MDA 80 feet, increase Circling Cat C visibility ¼ mile.

**MISSED APPROACH:** Climbing right turn to 2000 via LOA VORTAC R-131 to KASHE/25 DME and hold.

ASOS <b>119.425</b>	HOUSTON CENTER <b>134.8 269.6</b>	UNICOM <b>122.8 (CTAF)</b> <b>📶</b>
------------------------	--------------------------------------	--



	AMBEE LOA 19	KASHE LOA 25	2000 LOA R-131	KASHE LOA 25
	2000	131°	2000	MAFAP LOA 29.7
Procedure Turn NA				
	6 NM	4.7 NM		
CATEGORY	A	B	C	D
CIRCLING	1000-1 637 (700-1)	1000-1¼ 637 (700-1¼)	1120-2¼ 757 (800-2¼)	NA

HUNTSVILLE, TEXAS  
Amdt 6A 15JUL21

30°45'N-95°35'W

HUNTSVILLE MUNI (UTS)  
**VOR/DME-A**

SC-5, 07 AUG 2025 to 02 OCT 2025

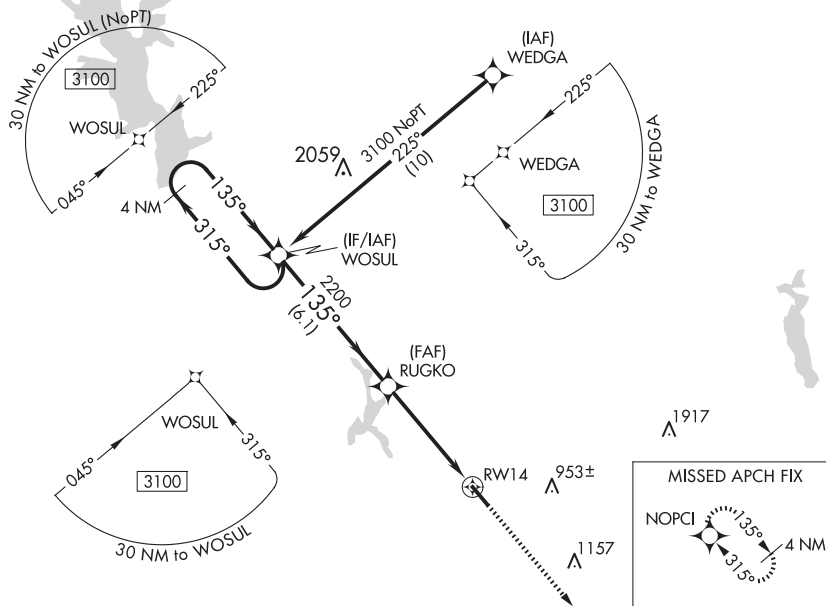
WAAS CH <b>56429</b> <b>W14A</b>	APP CRS <b>135°</b>	Rwy Idg <b>5006</b> TDZE <b>678</b> Apt Elev <b>678</b>
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RNAV (GPS) RWY 14  
CHEROKEE COUNTY (JSO)

**Baro-VNAV NA when using Nacogdoches altimeter setting.** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Nacogdoches altimeter setting and increase all DA to 1046 feet and increase LPV visibility ½ SM and LNAV/VNAV visibility ¼ SM; increase all MDA 120 feet and LNAV visibility Cat C ¾ SM, Circling visibility Cat C ¼ SM. DME/DME RNP-0.3 NA. VDP NA with Nacogdoches altimeter setting.

**MISSED APPROACH:**  
Climb to 3100 direct  
NOPCI and hold.

AWOS-3 <b>119.075</b>	LONGVIEW APP CON* <b>128.75 379.15</b>	UNICOM <b>122.7 (CTAF) ①</b>
--------------------------	---	---------------------------------



4 NM Holding Pattern

WOSUL

3100 ← 315°

135° →

1735°

2200

RUGKO

2200

\*1.2 NM to RW14

RW14

GP 3.00° TCH 30

4.1 NM

3.5 NM

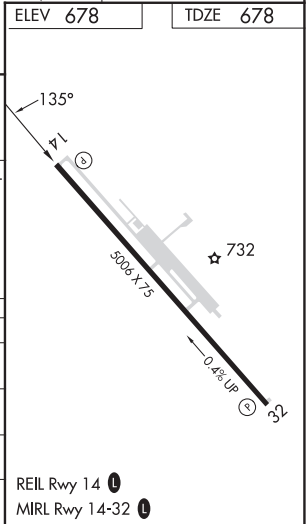
1.2 NM

3100

NOPCI

\*LNAV only

CATEGORY	A	B	C	D
LPV DA	928-1 250 (300-1)			NA
RNAV/ VNAV DA	928-1 250 (300-1)			NA
RNAV MDA	1080-1	402 (500-1)	1080-1 $\frac{1}{8}$ 402 (500-1 $\frac{1}{8}$ )	NA
CIRCLING	1080-1 402 (500-1)	1140-1 462 (500-1)	1280-1 $\frac{3}{4}$ 602 (700-1 $\frac{3}{4}$ )	NA



WAAS CH <b>90327</b> <b>W32A</b>	APP CRS <b>315°</b>	Rwy Idg TDZE Apt Elev	<b>5006</b> <b>665</b> <b>678</b>
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RNAV (GPS) RWY 32

CHEROKEE COUNTY (JSO)

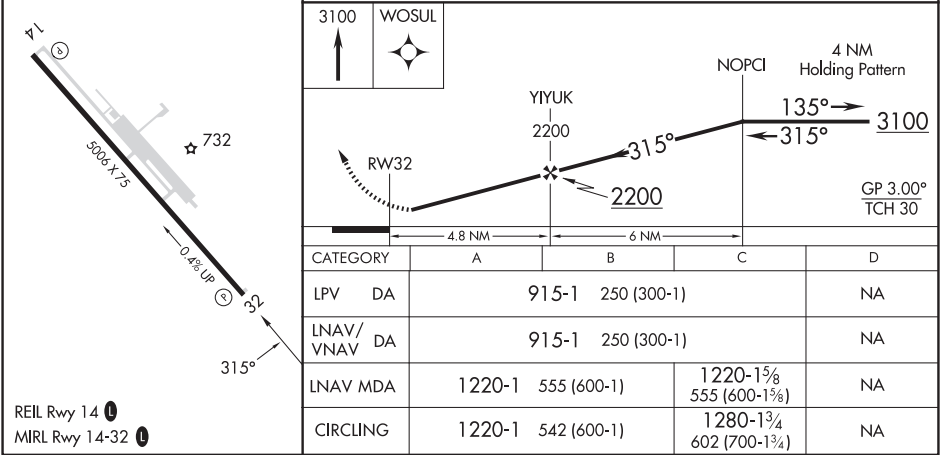
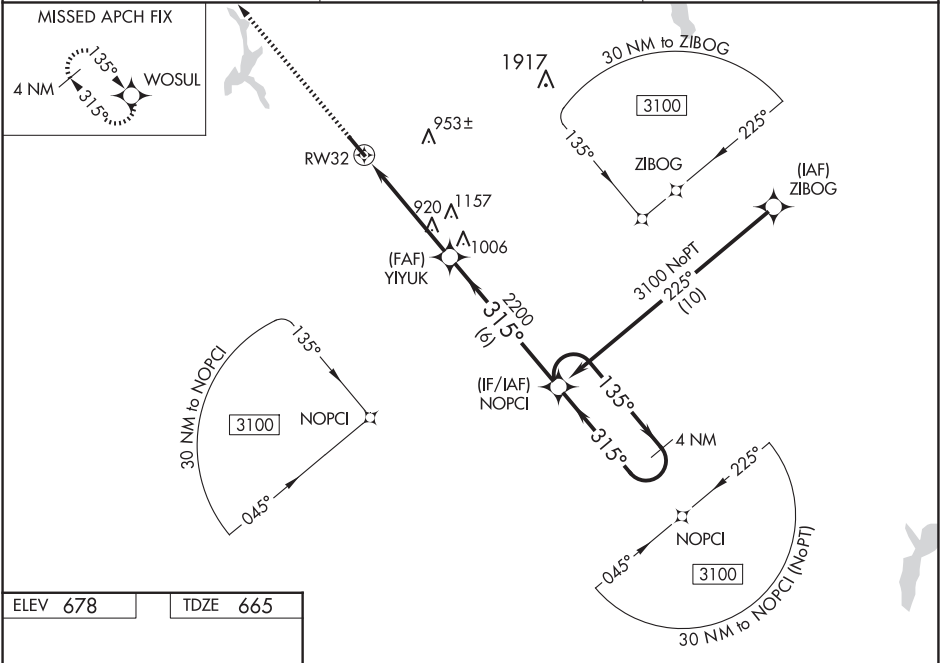
▼

▲

Baro-VNAV NA when using Nacogdoches altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Nacogdoches altimeter setting and increase DA 118 feet, increase all MDA 120 feet and LPV, LNAV/VNAV visibility all Cats ¼ mile, LNAV and Circling Cat C visibility ¾ mile. When VGSI inop, Straight-in/Circling Rwy 32 procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3100 direct WOSUL and hold.

AWOS-3 <b>119.075</b>	LONGVIEW APP CON★ <b>128.75 379.15</b>	UNICOM <b>122.7 (CTAF) ①</b>
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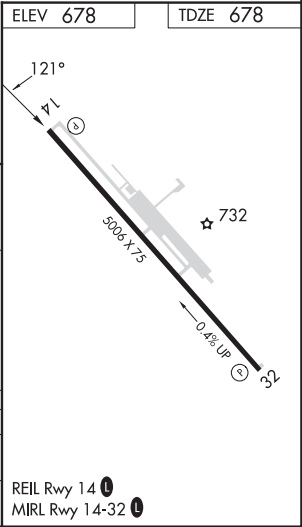
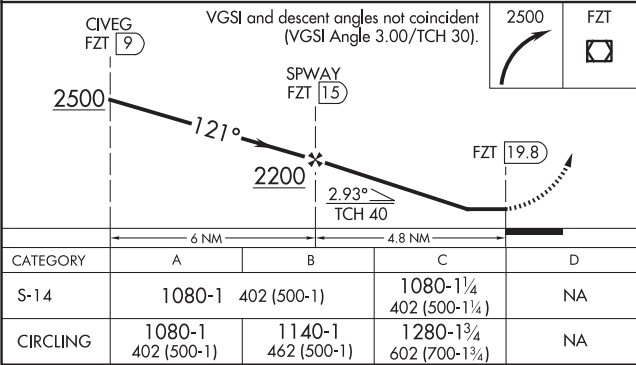
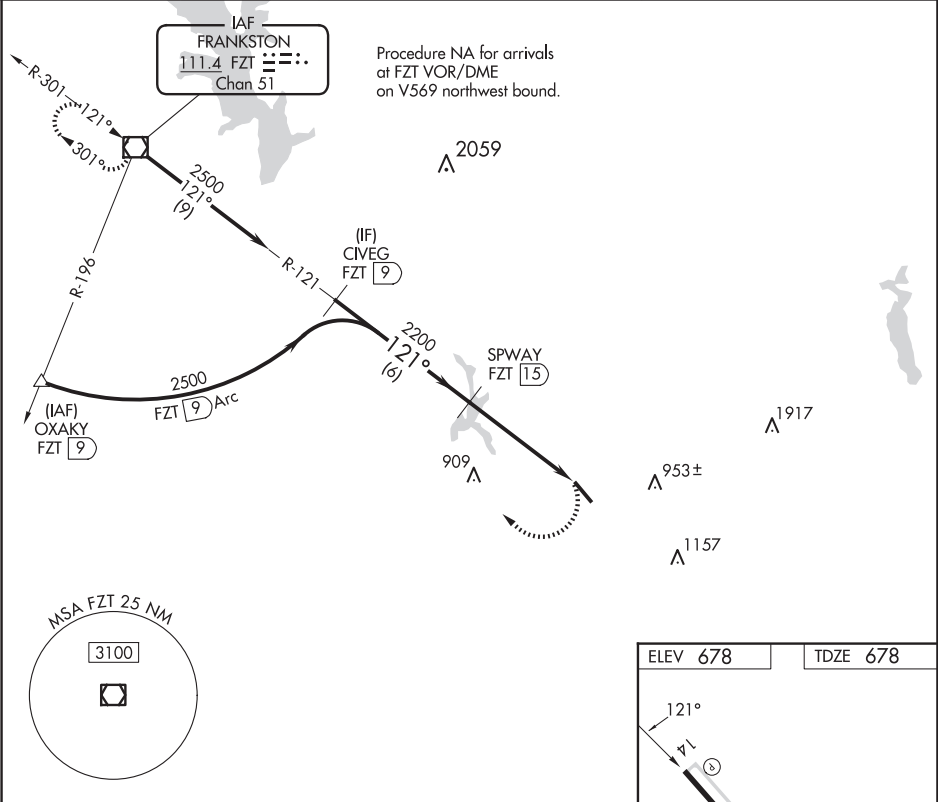
VOR/DME FZT	APP CRS	Rwy Idg TDZE	5006 678
111.4	121°	Apt Elev	678
Chan 51			

VOR RWY 14

CHEROKEE COUNTY (JSO)

DME required.	MISSED APPROACH: Climbing right turn to 2500 direct FZT VOR/DME and hold.
<div><div></div><div></div></div>	

AWOS-3 119.075	LONGVIEW APP CON ★ 128.75 379.15	UNICOM 122.7 (CTAF) 0
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JASPER, TEXAS

AL-5773 (FAA)

24081

WAAS CH <b>87013</b> <b>W18A</b>	APP CRS <b>177°</b>	Rwy ldg TDZE <b>213</b> Apt Elev <b>213</b>
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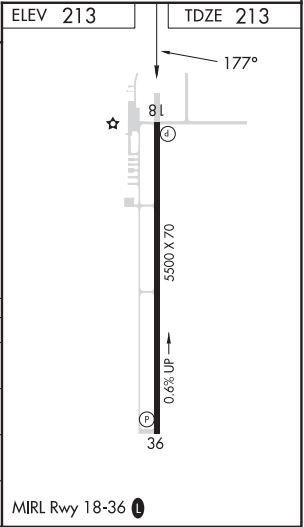
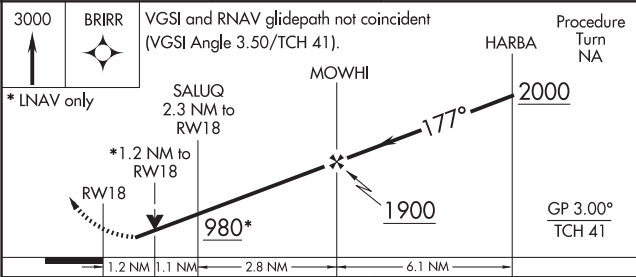
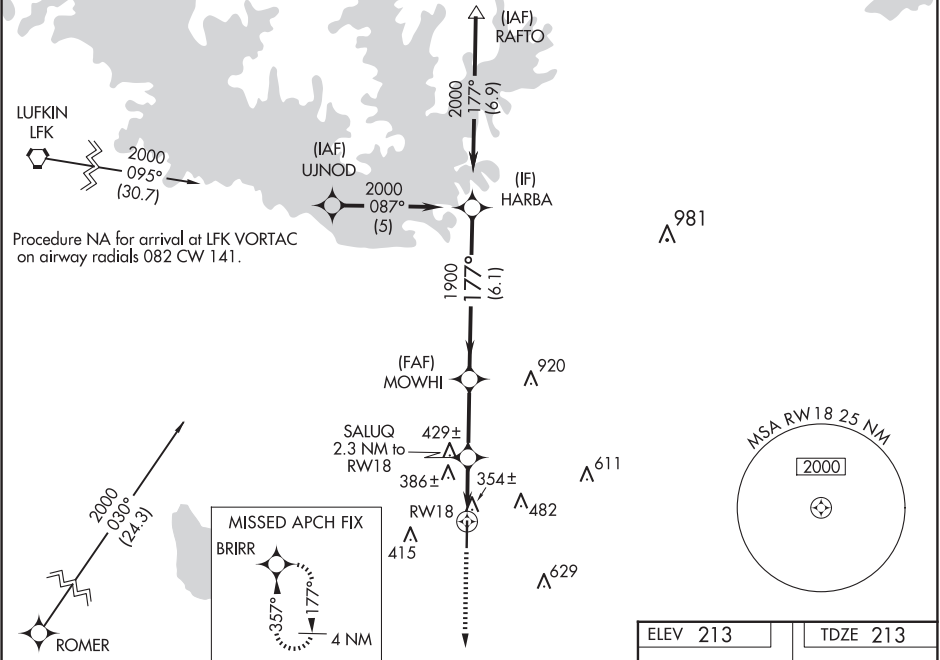
**RNAV (GPS) RWY 18**  
JASPER COUNTY/BELL FLD (JAS)

RNP APCH-GPS.

▼ Baro-VNAV NA when using De Ridder altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. Rwy 18 helicopter visibility reduction below ¾ SM NA. VDP NA when using De Ridder altimeter setting. When local altimeter setting not received, use De Ridder altimeter setting and increase LPV DA to 654 feet and all visibilities ¾ SM. Increase LNAV/VNAV DA to 817 feet and all visibilities ¾ SM. Increase all MDAs 100 feet and LNAV visibility Cat C ¾ SM, and Circling visibility Cat C ½ SM.

MISSED  
APPROACH:  
Climb to 3000  
direct BRIR and hold.

AWOS-3 <b>118.375</b>	HOUSTON CENTER <b>126.95 363.05</b>	UNICOM <b>122.8 (CTAF)</b>
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CATEGORY	A	B	C	D
LPV DA	567-1	354 (400-1)		NA
LNAV/VNAV DA	730-1 ¾	517 (600-1 ¾)		NA
LNAV MDA	700-1 487 (500-1)	700-1 ¾ 487 (500-1 ¾)		NA
CIRCLING	740-1 527 (600-1)	800-1 ½ 587 (600-1 ½)		NA

JASPER, TEXAS  
Orig-B 30NOV23

30°53'N-94°02'W

JASPER COUNTY/BELL FLD (JAS)  
**RNAV (GPS) RWY 18**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



WAAS CH <b>42813</b> <b>W36A</b>	APP CRS <b>357°</b>	Rwy Idg TDZE <b>192</b> Apt Elev <b>213</b>	<b>5500</b>
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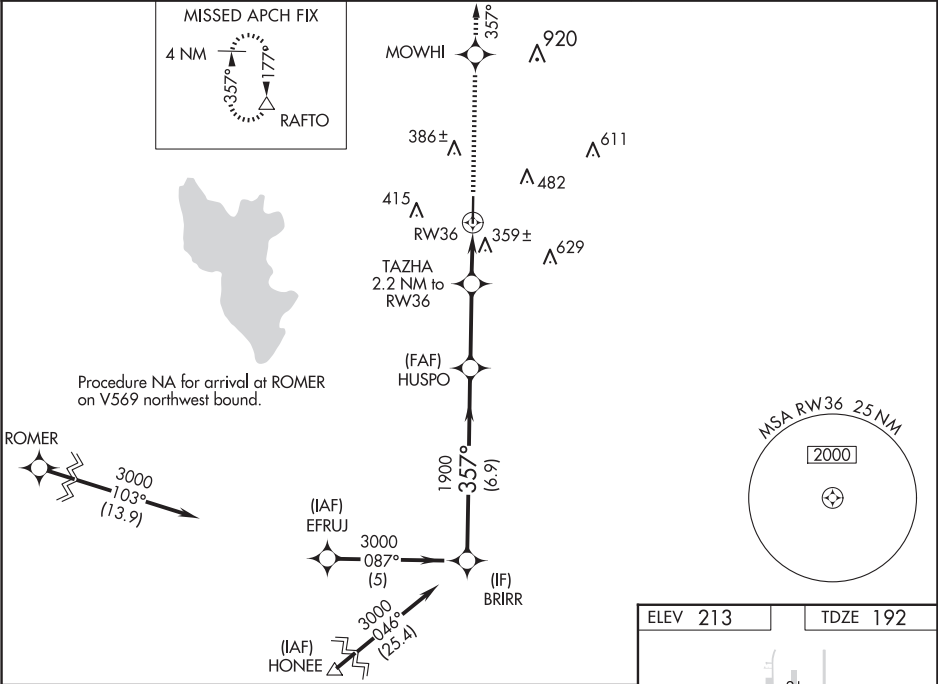
**RNAV (GPS) RWY 36**  
JASPER COUNTY/BELL FLD (JAS)

RNP APCH-GPS

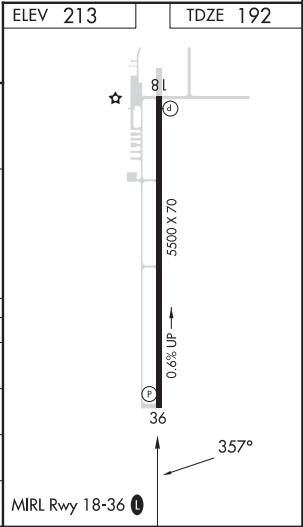
**⚠** Baro-VNAV NA when using De Ridder altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. Rwy 36 helicopter visibility reduction below ¾ SM NA. VDP NA when using De Ridder altimeter setting. When local altimeter setting not received, use De Ridder altimeter setting and increase LPV DA to 681 feet and all visibilities ¼ SM, increase LNAV/VNAV DA to 762 feet and all visibilities ¼ SM, increase all MDAs 100 feet and LNAV visibility Cat C ½ SM, and Circling visibility Cat C ¼ SM.

**MISSED APPROACH:**  
Climb to 4000 direct MOWHI and via track 357° to RAFTO and hold.

AWOS-3 <b>118.375</b>	HOUSTON CENTER <b>126.95 363.05</b>	UNICOM <b>122.8 (CTAF) 0</b>
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Procedure Turn NA	BRIRR	VGSI and RNAV glidepath not coincident (VGSI Angle 3.50/TCH 45).	4000	MOWHI	tr 357°	RAFTO
	3000	HUSPO	1900	TAZHA 2.2 NM to RW36	*1.2 NM to RW36	*LNAV only
	GP 3.00° TCH 41		*900		RW36	
	6.9 NM	3 NM	1 NM	1.2 NM		
CATEGORY	A	B	C	D		
LPV DA	594-1 ½	402 (400-1 ½)			NA	
LNAV/VNAV DA	675-1 ¾	483 (500-1 ¾)			NA	
LNAV MDA	680-1	488 (500-1)	680-1 ¾ 488 (500-1 ¾)		NA	
CIRCLING	740-1	527 (600-1)	800-1 ½ 587 (600-1 ½)		NA	



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

KOUNTZE/SILSBEE, TEXAS

AL-6577 (FAA)

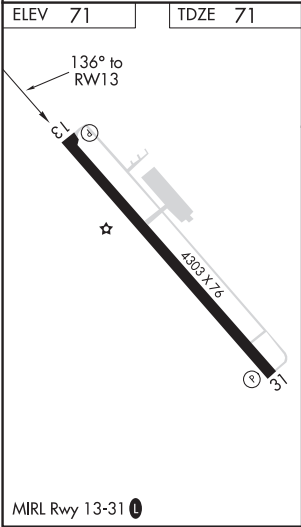
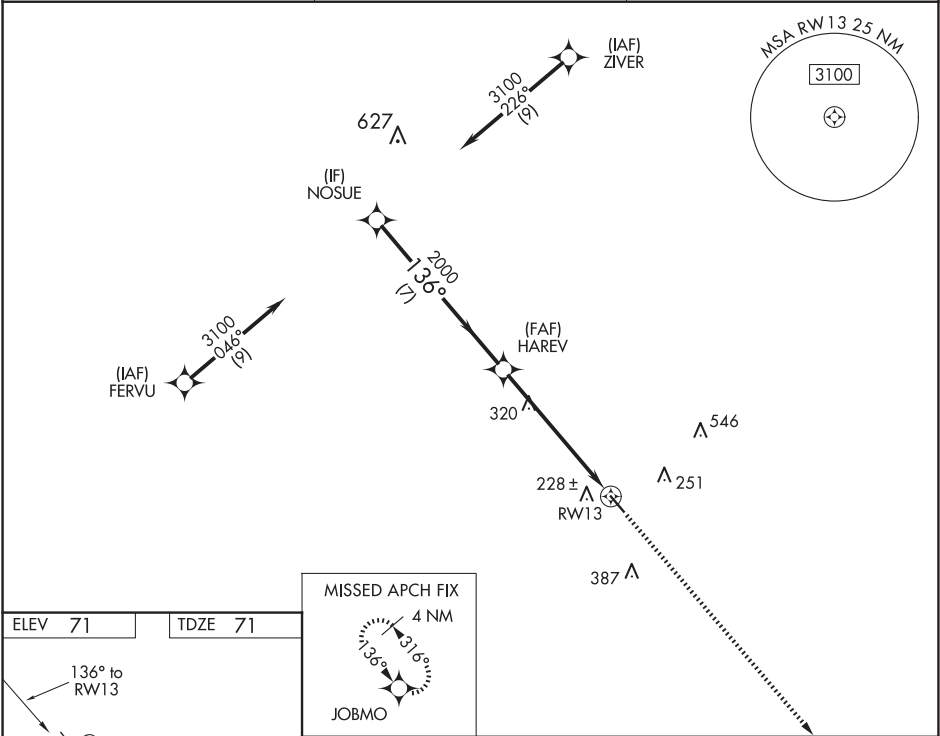
21280

WAAS CH <b>58242</b> <b>W13A</b>	APP CRS <b>136°</b>	Rwy Idg <b>4303</b> TDZE <b>71</b> Apt Elev <b>71</b>
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RNAV (GPS) RWY 13

HAWTHORNE FLD (45R)

RNP APCH-GPS. <div><div>Procedure NA at night. Rwy 13 helicopter visibility reduction below 1 SM NA. Use Beaumont/Port Arthur altimeter setting; when not received use Orange altimeter setting.</div><div>MISSED APPROACH: Climb to 2000 direct JOBMO and hold.</div></div>	
BPT ASOS <b>126.3</b>	HOUSTON APP CON <b>121.3 377.1</b>
UNICOM <b>122.8 (CTAF) 0</b>	



Visual Segment - Obstacles.

2000

JOBMO

NOSUE

3100

7 NM

5.9 NM

HAREV

2000

RW13

136°

CATEGORY	A	B	C	D
LP MDA	700-1	629 (700-1)	700-1¾ 629 (700-1¾)	NA
LNAV MDA	720-1	649 (700-1)	720-1⅞ 649 (700-1⅞)	NA
CIRCLING	720-1	649 (700-1)	880-2¼ 809 (900-2¼)	NA

KOUNTZE/SILSBEE, TEXAS  
Amdt 1C 07OCT21

30°20'N-94°15'W

HAWTHORNE FLD (45R)

RNAV (GPS) RWY 13

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

LA GRANGE, TEXAS

AL-9154 (FAA)

23166

WAAS CH <b>42928</b> <b>W16A</b>	APP CRS <b>156°</b>	Rwy Idg <b>5000</b> TDZE <b>318</b> Apt Elev <b>324</b>
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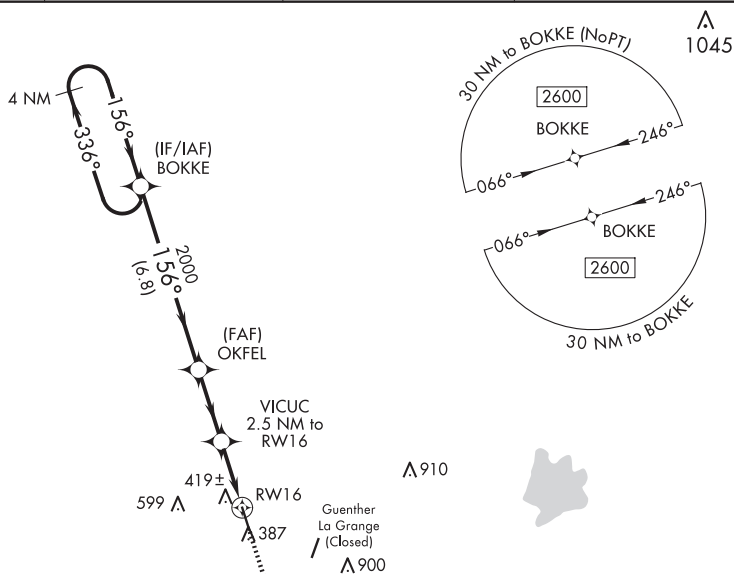
RNAV (GPS) RWY 16  
FAYETTE RGNL AIR CENTER (3T5)

RNP APCH.

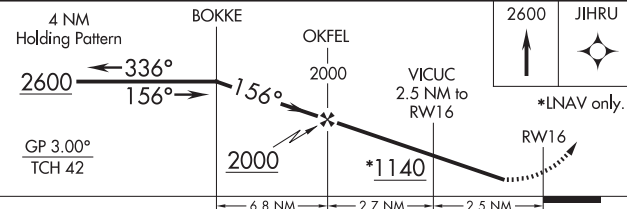
**T** When local altimeter setting not received, use Giddings-Lee altimeter setting and increase DA 59 feet, all MDA 60 feet, increase LNAV Cat C visibility ¼ mile. Rwy 16 helicopter visibility reduction below ¾ SM NA.

**MISSED APPROACH:** Climb to 2600  
direct JIHRU and hold.

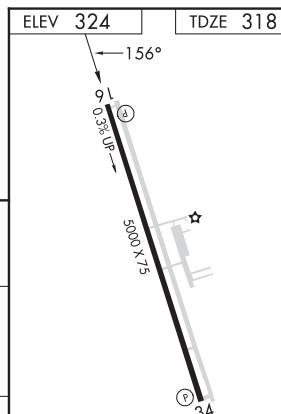
AWOS-3 <b>124.175</b>	AUSTIN APP CON <b>120.875 270.25</b>	GCO <b>121.725</b>	UNICOM <b>122.7 (CTAF) 0</b>
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MISSED APCH FIX  
JIHRU



CATEGORY	A	B	C	D
LPV DA	568-1 250 (300-1)			NA
LNAV MDA	680-1 362 (400-1)			NA



REIL Rwy 16 and 34  
MIRL Rwy 16-34 **L**

LA GRANGE, TEXAS  
Amdt 2C 07NOV19

29°54'N-96°57'W

489

FAYETTE RGNL AIR CENTER (3T5)  
RNAV (GPS) RWY 16

SC-5, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 34  
FAYETTE RGNL AIR CENTER (3T5)

**T** When local altimeter setting not received, use Giddings-Lee altimeter setting and increase all MDA 60 feet, increase LP and LNAV Cat C visibility  $\frac{1}{4}$  mile. Rwy 34 helicopter visibility reduction below  $\frac{3}{4}$  SM NA.

MISSED APPROACH: Climb to 2600  
direct BOKKE and hold.

MISSED APCH FIX

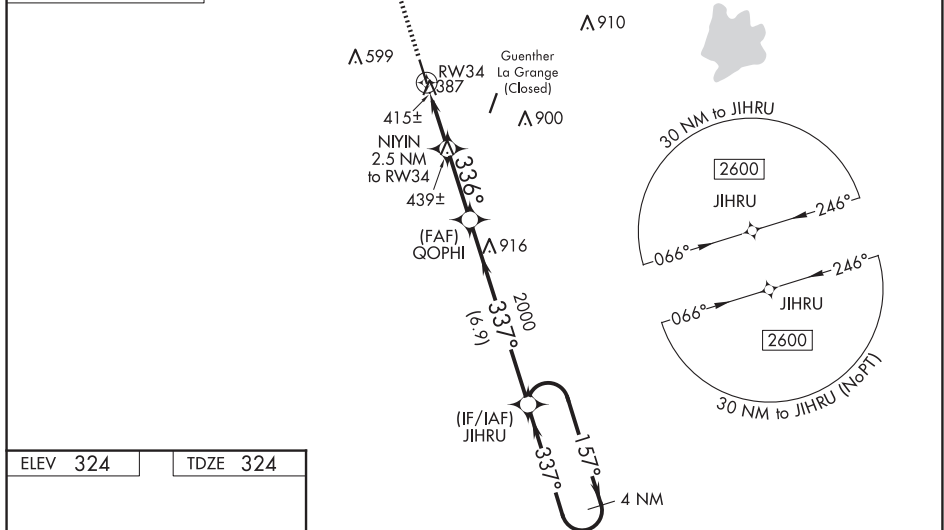
4 NM




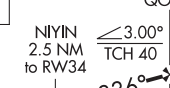
156°

336°

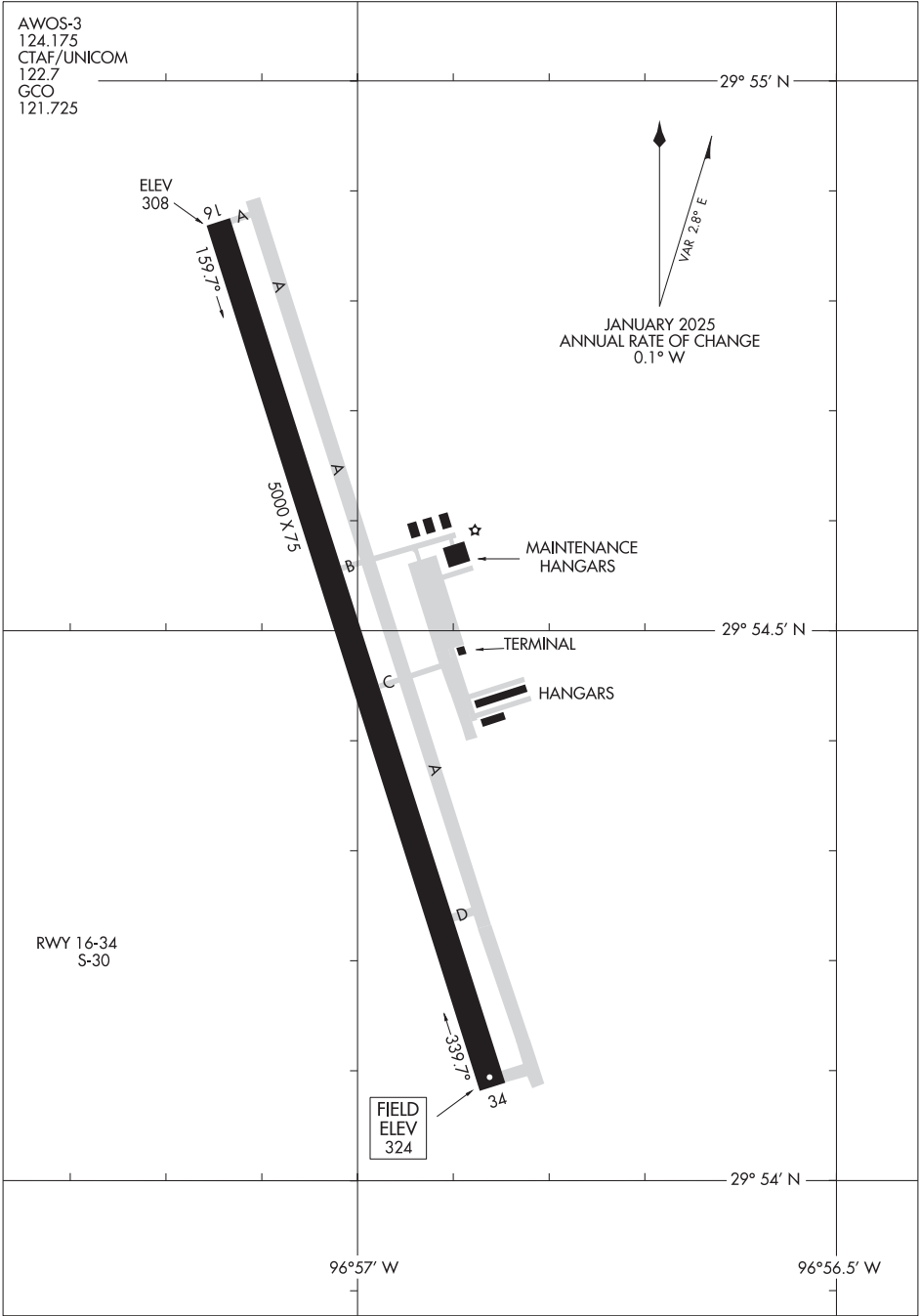
BOKKE

△ 994



 		VGSI and descent angles not coincident (VGSI angle 3.00°/TCH 31).		4 NM Holding Pattern	
					
CATEGORY	A	B	C	D	
LP MDA	700-1 376 (400-1)				NA
LNAV MDA	740-1 416 (500-1)		740-1 $\frac{1}{8}$ 416 (500-1 $\frac{1}{8}$ )		NA

FAYETTE RGNL AIR CENTER (3T5)  
RNAV (GPS) RWY 34



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

LA PORTE, TEXAS

AL-5433 (FAA)

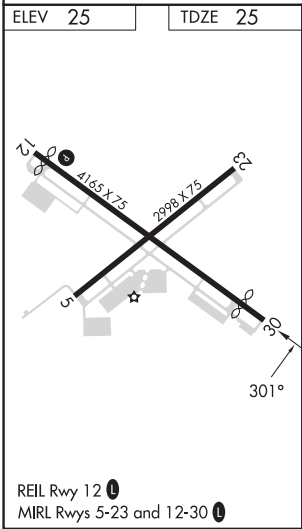
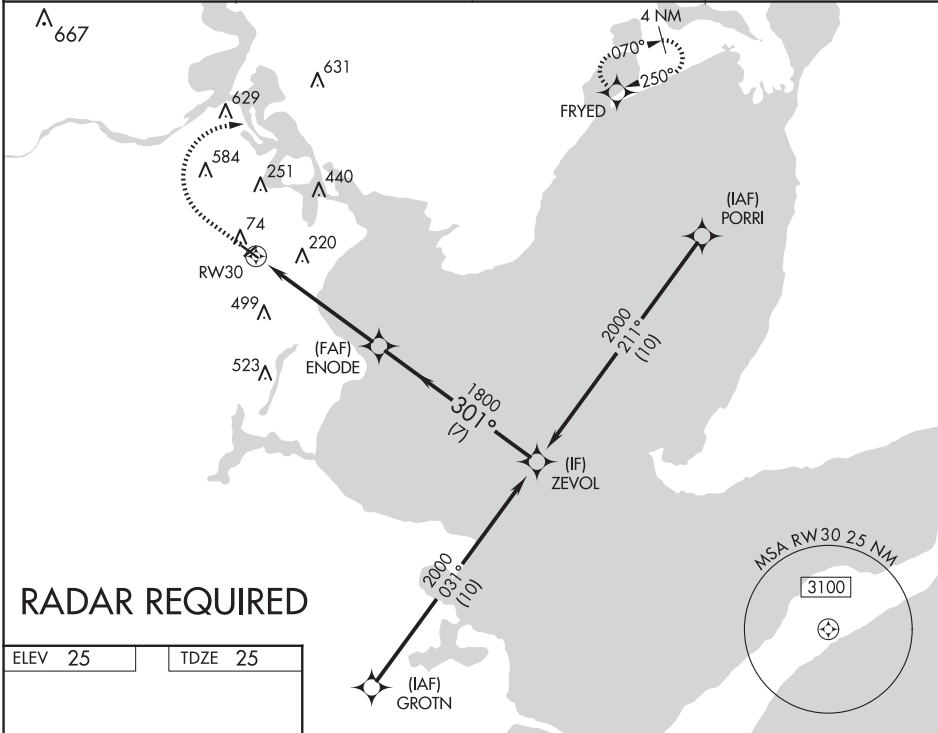
23166

WAAS CH <b>93928</b> <b>W30A</b>	APP CRS <b>301°</b>	Rwy Idg TDZE Apt Elev	<b>3760</b> <b>25</b> <b>25</b>
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RNAV (GPS) RWY 30  
LA PORTE MUNI (T41)

RNP APCH.	MISSED APPROACH: Climb to 600 then climbing right turn to 2000 direct FRYED and hold.
▼ Baro-VNAV NA. Use Ellington altimeter setting. Rwy 30 helicopter visibility reduction below ¾ SM NA. Circling Rwy 5, 23 NA at night.	

AWOS-3PT <b>120.275</b>	HOUSTON APP CON <b>134.45 284.0</b>	CLNC DEL <b>125.6</b>	UNICOM <b>122.7 (CTAF) 0</b>
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	600	2000	FRYED	
	↑	↪	✧	
	ENODE 1800			ZEVOL 2000
	RW30 1800			GP 3.00° TCH 40
	5.5 NM			7 NM
CATEGORY	A	B	C	D
LPV DA	291-1 266 (300-1)			NA
LNAV/VNAV DA	454-1¼ 429 (500-1¼)			NA
LNAV MDA	520-1 495 (500-1)		520-1⅜ 495 (500-1⅜)	NA
CIRCLING	600-1 575 (600-1)	620-1 595 (600-1)	880-2½ 855 (900-2½)	NA

LA PORTE, TEXAS  
Amdt 2D 04NOV21

29°40'N-95°04'W

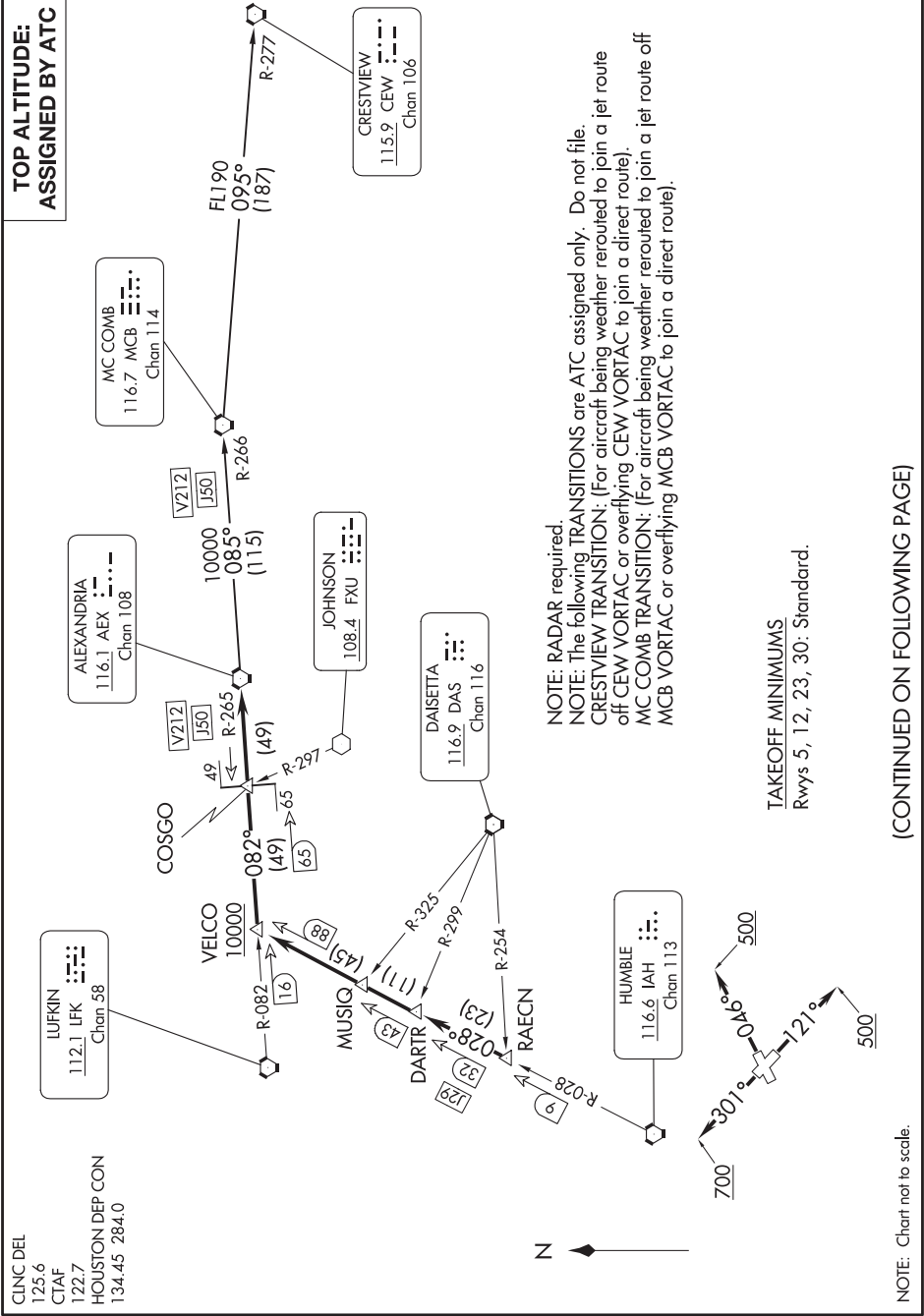
LA PORTE MUNI (T41)  
RNAV (GPS) RWY 30

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

ALEXANDRIA THREE DEPARTURE

SC-5, 07 AUG 2025 to 02 OCT 2025



ALEXANDRIA THREE DEPARTURE

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

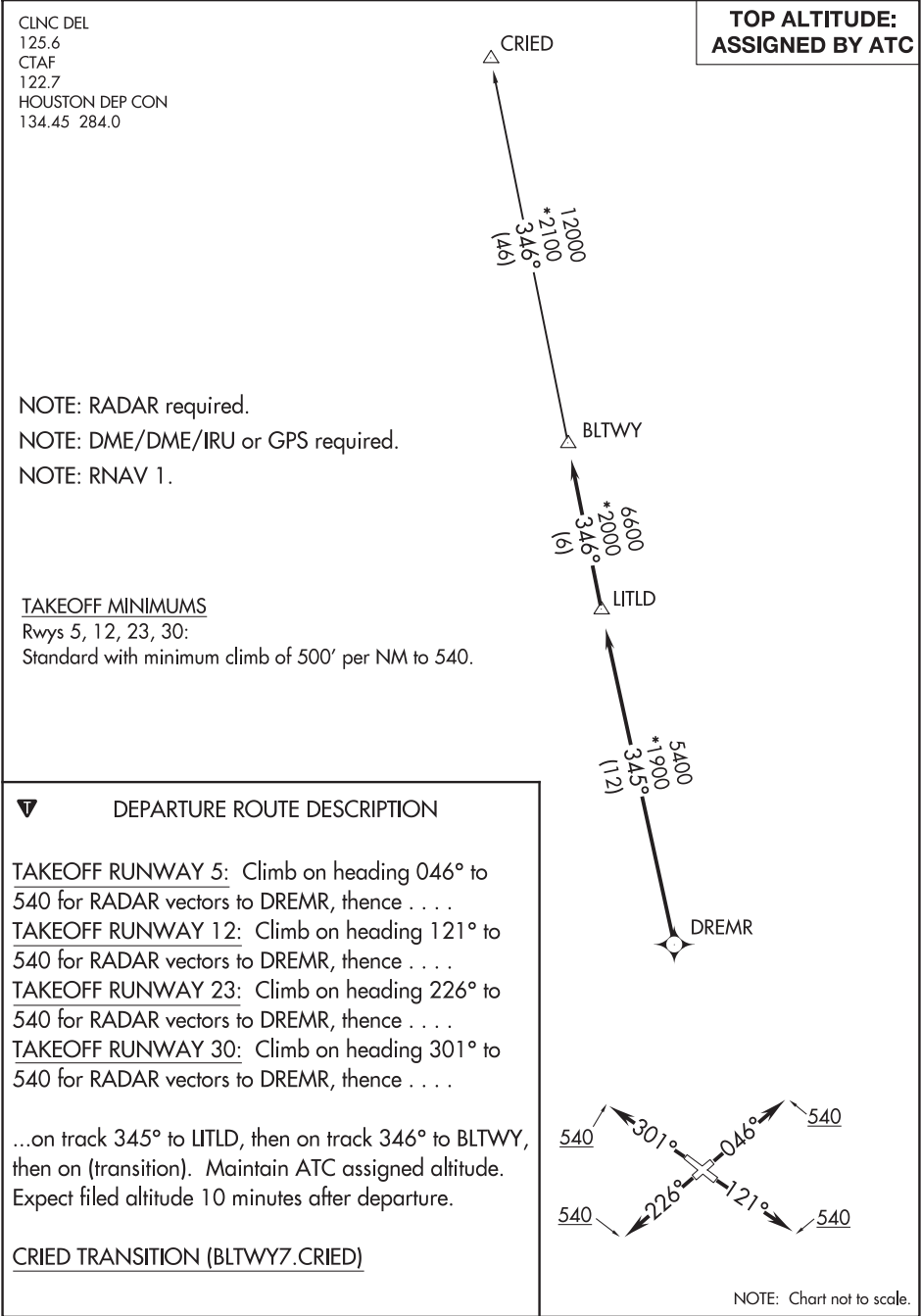
TAKEOFF RUNWAY 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.





RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

CTAF  
122.7  
CLNC DEL  
125.6  
HOUSTON DEP CON  
134.45 284.0

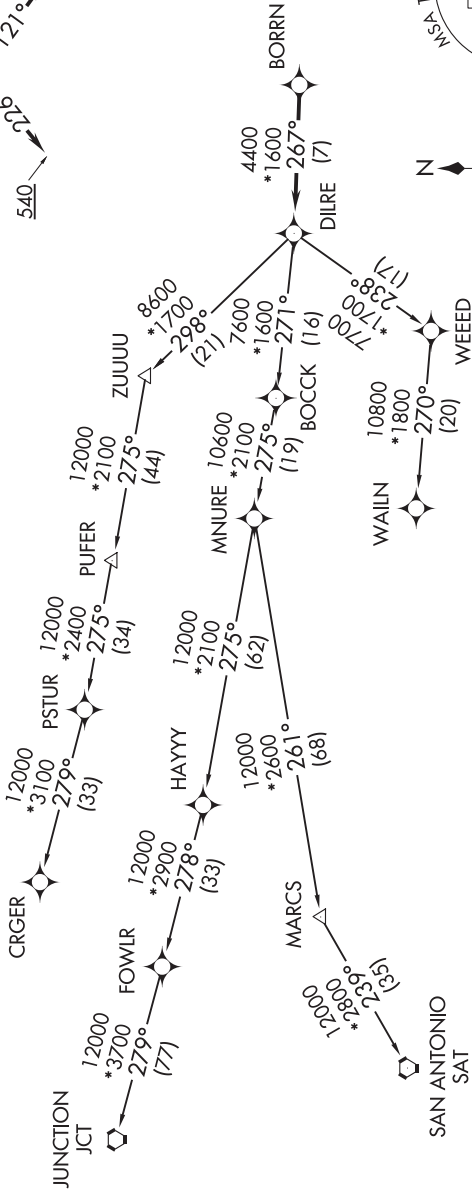
BORRN SIX DEPARTURE (RNAV)  
(BORRN6.BORRN) 30NOV23

496  
AL-5433 (FAA)

LA PORTE MUNI (T41)  
LA PORTE, TEXAS

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 5, 12, 23, 30: Standard with minimum  
climb of 500'/NM to 540.

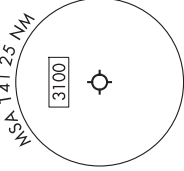


N

SAN ANTONIO  
SAT

WAILN  
10800  
1800  
270°  
(20)

WEED  
10800  
1800  
270°  
(20)



NOTE: CRGR-TRANSITION ATC assigned only  
for aircraft departing 54T, AXH, EFD, GLS,  
HPY, IWS, LBX, LVJ, SGR, TME, T00, T41.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

LA PORTE, TEXAS  
LA PORTE MUNI (T41)

SC-5, 07 AUG 2025 to 02 OCT 2025	<div><div>▼</div><div>DEPARTURE ROUTE DESCRIPTION</div><div><div>TAKEOFF RUNWAY 5: Climb on heading 046° to 540, for RADAR vectors to BORRN, thence. . . .</div><div>TAKEOFF RUNWAY 12: Climb on heading 121° to 540, for RADAR vectors to BORRN, thence. . . .</div><div>TAKEOFF RUNWAY 23: Climb on heading 226° to 540, for RADAR vectors to BORRN, thence. . . .</div><div>TAKEOFF RUNWAY 30: Climb on heading 301° to 540, for RADAR vectors to BORRN, thence. . . .</div><div>. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.</div><div><div>CRGER TRANSITION (BORRN6.CRGER)</div><div>JUNCTION TRANSITION (BORRN6.JCT)</div><div>MNURE TRANSITION (BORRN6.MNURE)</div><div>SAN ANTONIO TRANSITION (BORRN6.SAT)</div><div>WAILN TRANSITION (BORRN6.WAILN)</div></div></div></div>	SC-5, 07 AUG 2025 to 02 OCT 2025
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(Cried1.Cried) 24193

Cried One Departure

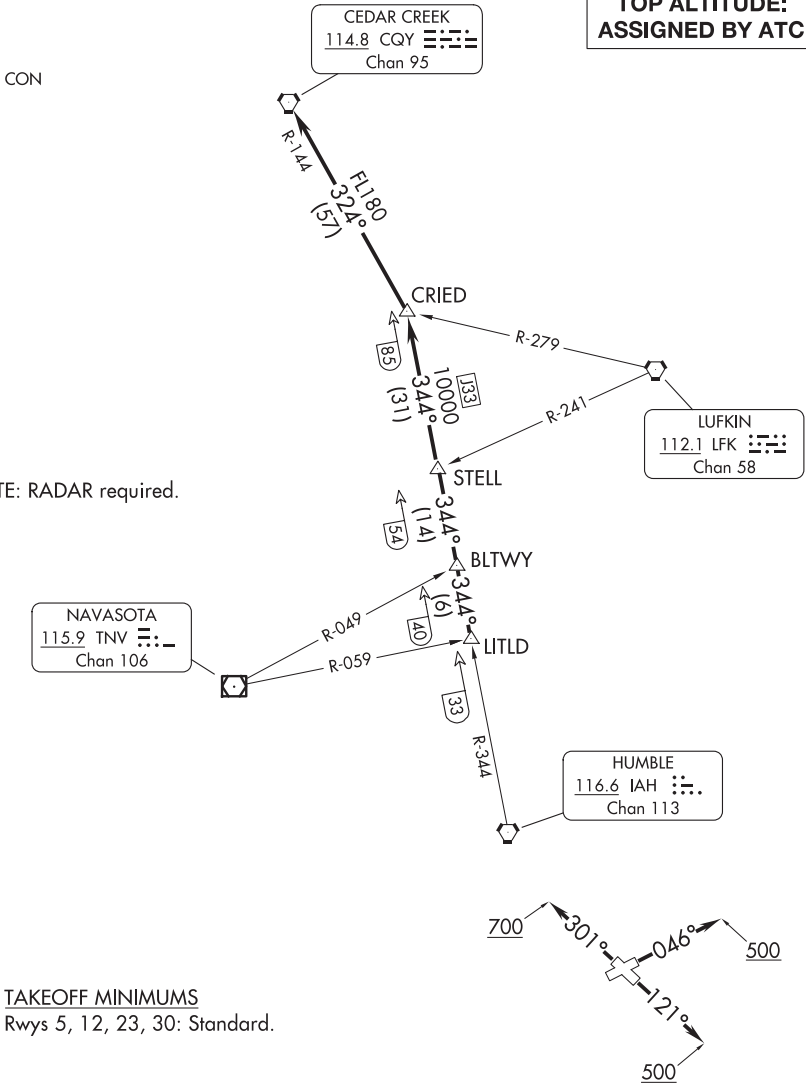
AL-5433 (FAA)

LA PORTE MUNI (T41)  
LA PORTE, TEXAS

CLNC DEL  
125.6  
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

Cried One Departure

(Cried1.Cried) 07OCT21

LA PORTE, TEXAS  
LA PORTE MUNI (T41)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

TAKEOFF RUNWAY 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

AL-5433 (FAA)

## EL DORADO ONE DEPARTURE


LA PORTE, TEXAS

CLNC DEL	
125.6	
CTAF	
122.7	
HOUSTON DEP CON	
134.45	284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

EL DORADO  
115.5 ELD   
Chan 102

NOTE: RADAR required.  
NOTE: For aircraft destined KMEM  
or filed via Q32 or J42.

LUFKIN  
112.1 LFK   
Chan 58

ALISIO 345

DARTF

RAECN

DAISETTA  
6.9 DAS 𐄂𐄂𐄂  
Chan 116

HUMBLE  
116.6 IAH  $\therefore$   
Chan 113

## TAKEOFF MINIMUMS

Rwys 5, 12, 23, 30: Standard.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## EL DORADO ONE DEPARTURE

(ELD1.ELD) 07OCT21

LA PORTE MUNI (T41)

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(GIFFA1.GIFFA) 24193

# GIFFA ONE DEPARTURE

AL-5433 (FAA)

LA PORTE MUNI (T41)

LA PORTE, TEXAS

CLNC DEL  
125.6  
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: For aircraft destined for the DFW  
terminal area only.

LEONA  
110.8 LOA  
Chan 45

CEDAR CREEK  
114.8 CQY  
Chan 95

GIFFA  
10000

85

R-121

R-059

R-128

358°  
(44)

358°  
(10)

31

R-358

MONNT

BUMCO

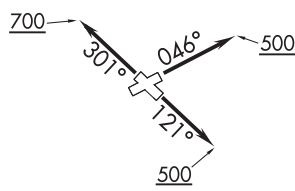
41

DAISETTA  
116.9 DAS  
Chan 116

HUMBLE  
116.6 IAH  
Chan 113

R-292

TAKEOFF MINIMUMS  
Rwys 5, 12, 23, 30: Standard.



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

# GIFFA ONE DEPARTURE

(GIFFA1.GIFFA) 07OCT21

LA PORTE, TEXAS

LA PORTE MUNI (T41)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

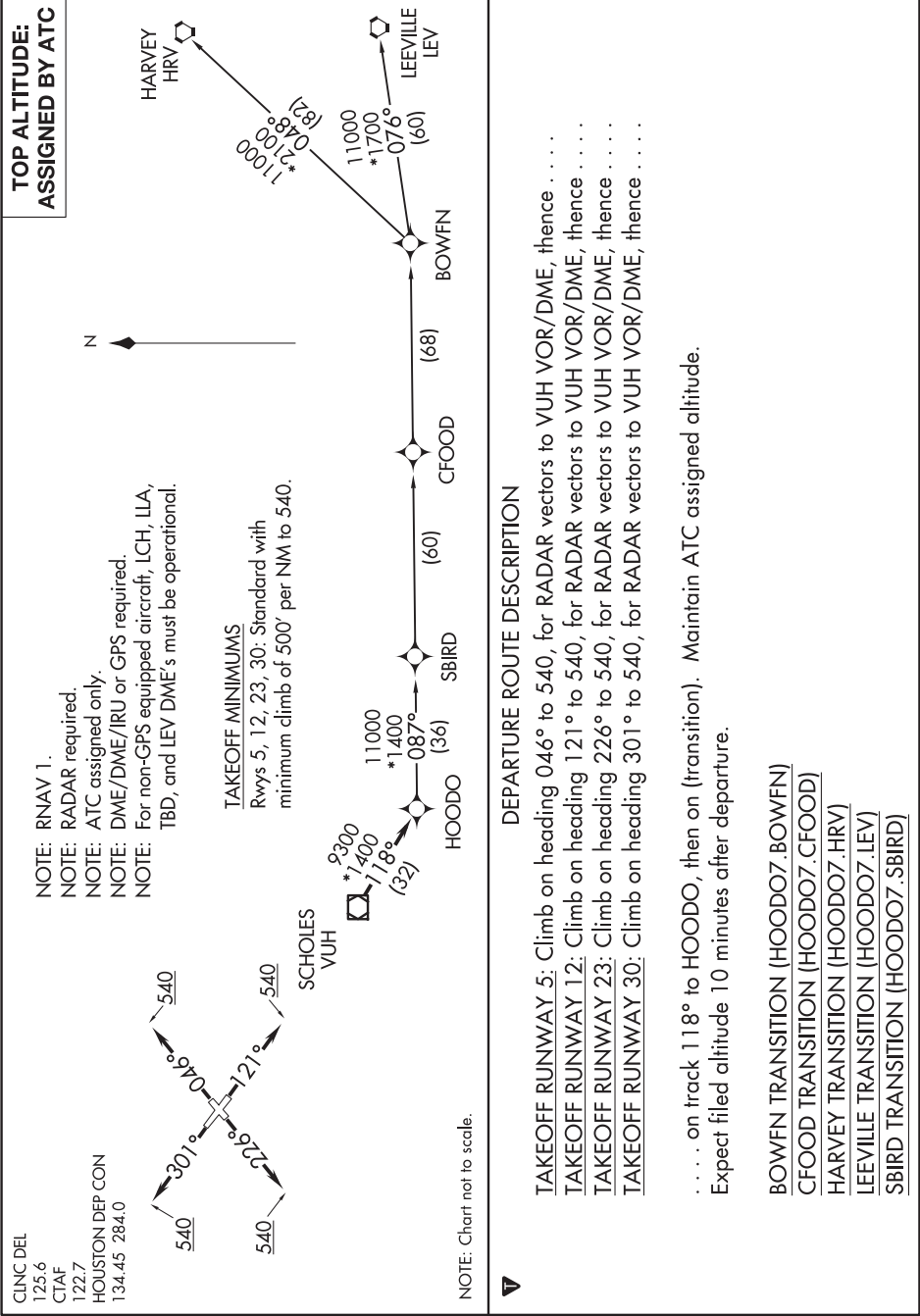
TAKEOFF RUNWAY 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

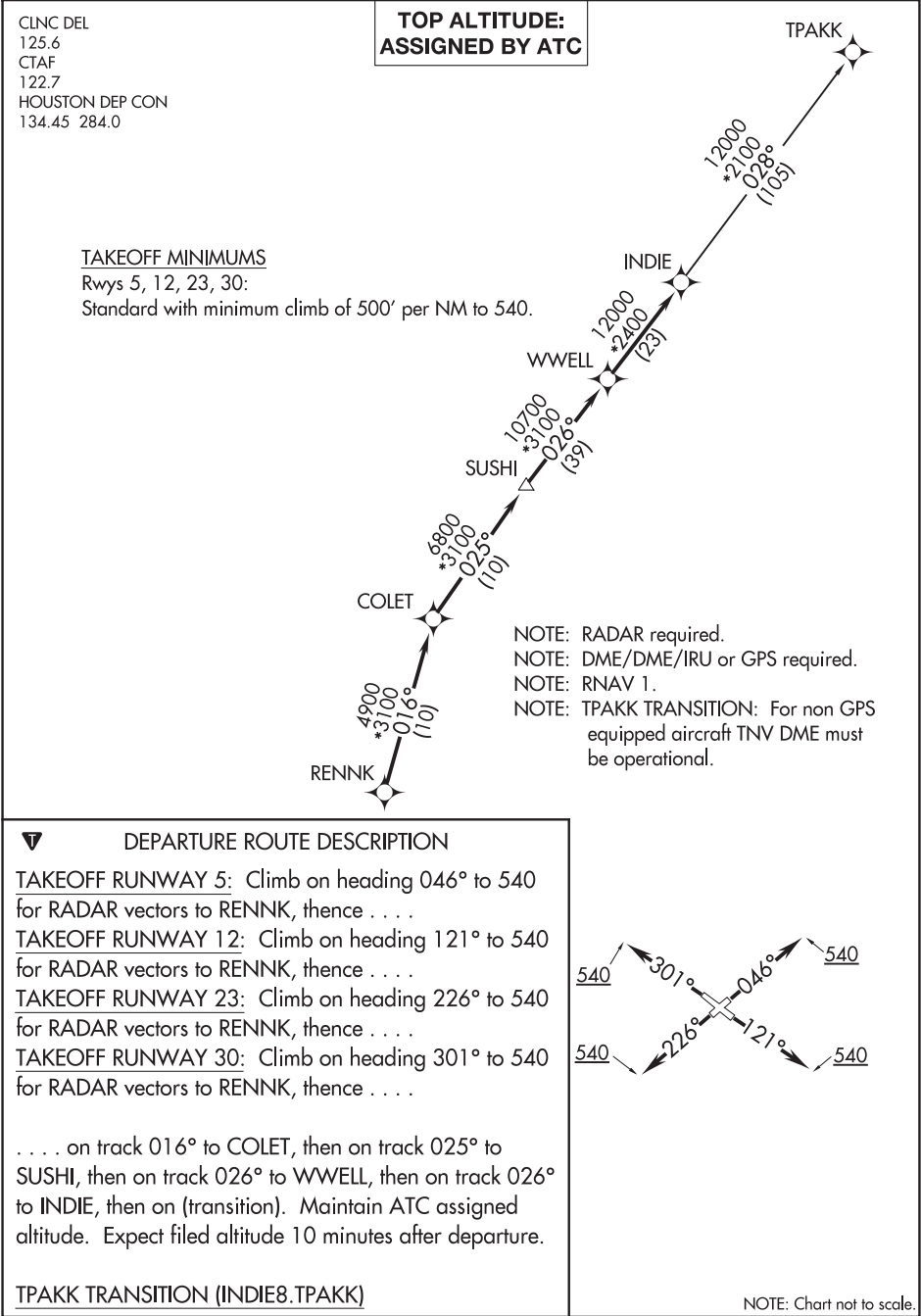
TAKEOFF RUNWAY 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . . on IAH R-358 to cross GIFFA INT at or above 10000.

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025





SC-5, 07 AUG 2025 to 02 OCT 2025

RNAV-1 DME/DME/IRU or GPS.
RADAR required.

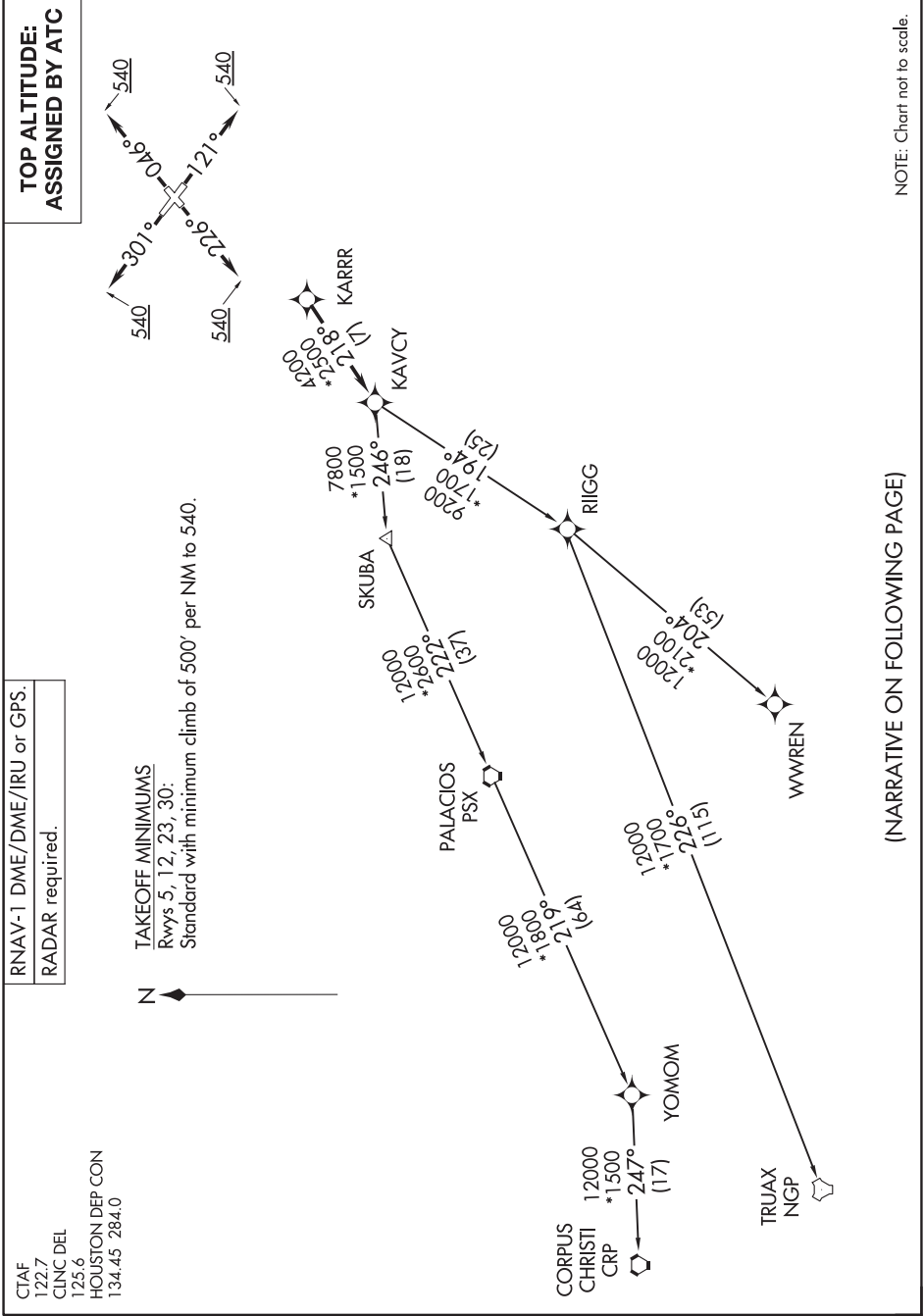
CTAF  
122.7  
CLNC DEL  
125.6  
HOUSTON DEP CON  
134.45 284.0

(KARRR7.KARRR) 22363  
KARRR SEVEN DEPARTURE (RNAV)

506

AL-5433 (FAA)

LA PORTE MUNI (T41)  
LA PORTE, TEXAS



(NARRATIVE ON FOLLOWING PAGE)

KARRR SEVEN DEPARTURE (RNAV)  
(KARRR7.KARRR) 29DEC22

LA PORTE, TEXAS  
LA PORTE MUNI (T41)

SC-5, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 12: Climb on heading 121° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 23: Climb on heading 226° to 540, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 301° to 540, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITION (KARRR7.YOMOM)

(LOA4.LOA) 24137

## LEONA FOUR DEPARTURE

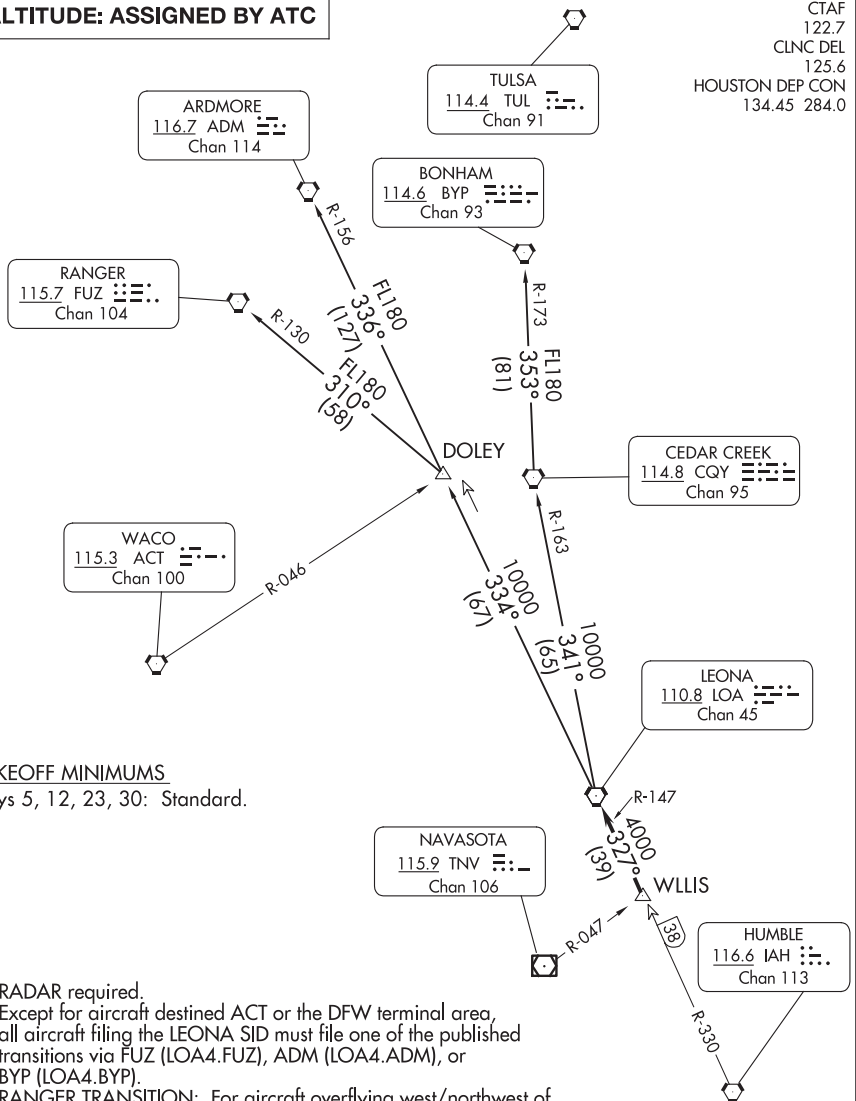
AL-5433 (FAA)

LA PORTE MUNI (T41)

LA PORTE, TEXAS

**TOP ALTITUDE: ASSIGNED BY ATC**

CTAF  
122.7  
CLNC DEL  
125.6  
HOUSTON DEP CON  
134.45 284.0

TAKEOFF MINIMUMS

Rwys 5, 12, 23, 30: Standard.

NOTE: RADAR required.

NOTE: Except for aircraft destined ACT or the DFW terminal area, all aircraft filing the LEONA SID must file one of the published transitions via FUZ (LOA4.FUZ), ADM (LOA4.ADM), or BYP (LOA4.BYP).

NOTE: RANGER TRANSITION: For aircraft overflying west/northwest of the DFW terminal area FL240 and above.

NOTE: ARDMORE TRANSITION: For aircraft overflying north/northwest of the DFW terminal area FL240 and above.

NOTE: BONHAM TRANSITION: For aircraft overflying/landing TUL VORTAC FL240 and above.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

## LEONA FOUR DEPARTURE

(LOA4.LOA) 07OCT21

LA PORTE, TEXAS

LA PORTE MUNI (T41)

DEPARTURE ROUTE DESCRIPTION	
<p><u>TAKEOFF RUNWAY 5:</u> Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .</p> <p><u>TAKEOFF RUNWAY 12:</u> Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .</p> <p><u>TAKEOFF RUNWAY 23:</u> When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .</p> <p><u>TAKEOFF RUNWAY 30:</u> Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence . . . .</p> <p>. . . . on LOA R-147 to LOA VORTAC.</p> <p><u>ARDMORE TRANSITION (LOA4.ADM):</u> From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.</p> <p><u>BONHAM TRANSITION (LOA4.BYP):</u> From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.</p> <p><u>RANGER TRANSITION (LOA4.FUZ):</u> From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.</p>	

(LFK3.LFK) 24137

AL-5433 (FAA)

LA PORTE MUNI (T41)  
LA PORTE, TEXAS

LUFKIN THREE DEPARTURE

CLNC DEL  
125.6  
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE:  
ASSIGNED BY ATC

LITTLE ROCK  
113.9 LIT  
Chan 86

NOTE: RADAR and DME required.  
NOTE: For aircraft destined LIT or  
overflying LIT or PXV.

LUFKIN  
112.1 LFK  
Chan 58

SKIP

5000

FL183  
026°  
(240)

TAKEOFF MINIMUMS  
Rwys 5, 12, 23, 30: Standard.

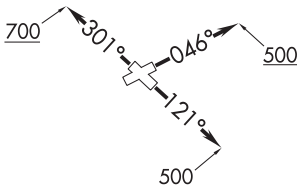
SUSHI

COLET

KYANN

HUMBLE  
116.6 IAH  
Chan 113

DAISETTA  
116.9 DAS  
Chan 116



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

LA PORTE, TEXAS  
LA PORTE MUNI (T41)





DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN INT. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure, thence. . . .

. . . on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 07 AUG 2025 to 02 OCT 2025

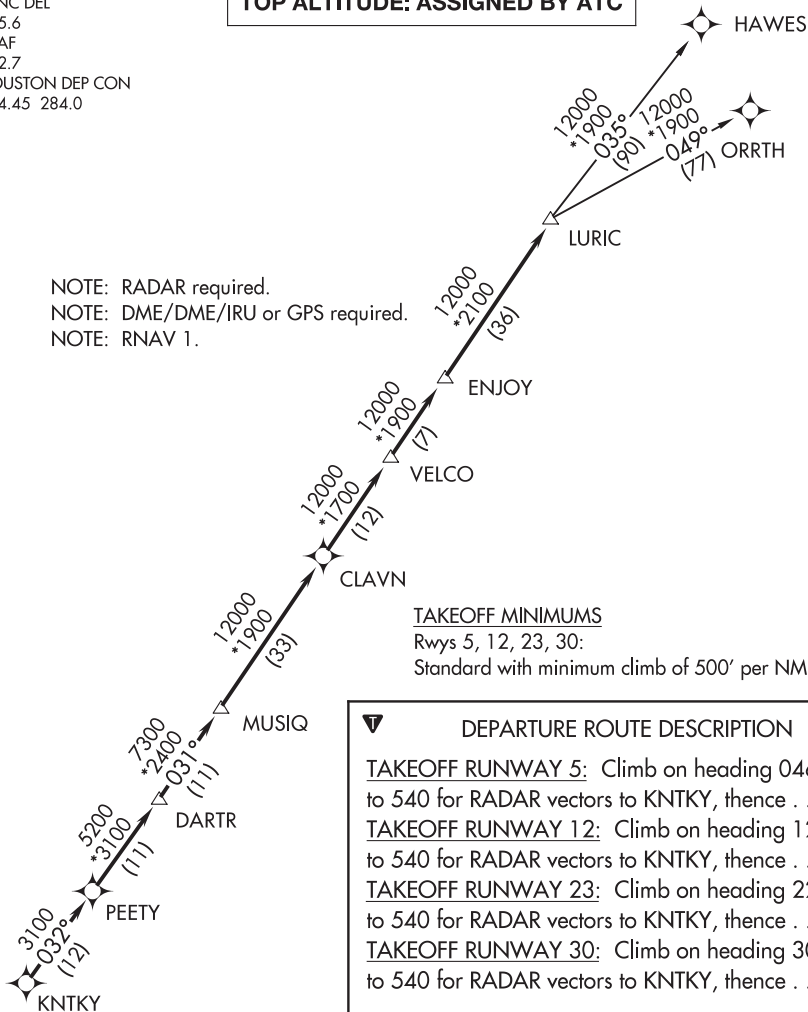
SC-5, 07 AUG 2025 to 02 OCT 2025

LURIC EIGHT DEPARTURE (RNAV)

CLNC DEL  
125.6  
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



TAKEOFF MINIMUMS

Rwys 5, 12, 23, 30:  
Standard with minimum climb of 500' per NM to 540.

DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 5:** Climb on heading 046° to 540 for RADAR vectors to KNTKY, then . . .  
**TAKEOFF RUNWAY 12:** Climb on heading 121° to 540 for RADAR vectors to KNTKY, then . . .  
**TAKEOFF RUNWAY 23:** Climb on heading 226° to 540 for RADAR vectors to KNTKY, then . . .  
**TAKEOFF RUNWAY 30:** Climb on heading 301° to 540 for RADAR vectors to KNTKY, then . . .  
... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

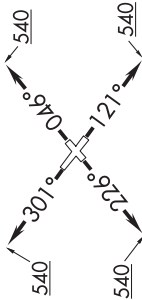
HOUSTON DEP CON  
134.45 284.0  
CINC DEL  
125.6  
CTAF  
122.7

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

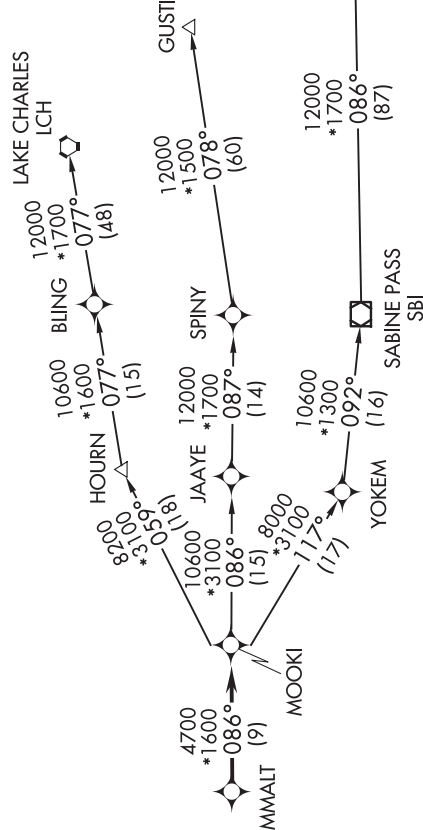
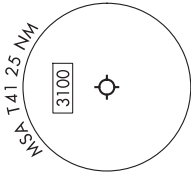
(MMALT7.MMALT) 23334  
MMALT SEVEN DEPARTURE (RNAV)

AL-5433 (FAA)

LA PORTE MUNI (T41)  
LA PORTE, TEXAS



TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: GUSTI and LCH Transitions ATC assigned only for aircraft departing AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41 and 541.

DEPARTURE ROUTE DESCRIPTION

- TAKEOFF RUNWAY 5: Climb on heading 046° to 540, for RADAR vectors to MMALT, thence. . . .
- TAKEOFF RUNWAY 12: Climb on heading 121° to 540, for RADAR vectors to MMALT, thence. . . .
- TAKEOFF RUNWAY 23: Climb on heading 226° to 540, for RADAR vectors to MMALT, thence. . . .
- TAKEOFF RUNWAY 30: Climb on heading 301° to 540, for RADAR vectors to MMALT, thence. . . .

. . . on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMALT7.GUSTI)  
LAKE CHARLES TRANSITION (MMALT7.LCH)  
WHITE LAKE TRANSITION (MMALT7.LLA)

NOTE: Chart not to scale.

MMALT SEVEN DEPARTURE (RNAV)  
(MMALT7.MMALT) 30NOV23

LA PORTE, TEXAS  
LA PORTE MUNI (T41)

STRYA EIGHT DEPARTURE (RNAV)

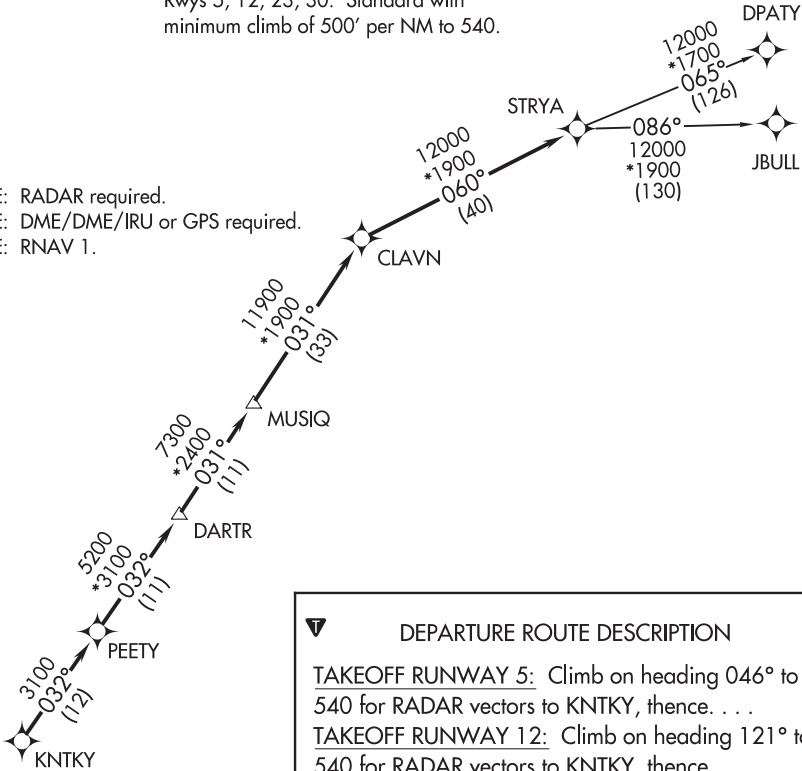
CTAF  
122.7  
CLNC DEL  
125.6  
HOUSTON DEP CON  
134.45 284.0

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS

Rwys 5, 12, 23, 30: Standard with  
minimum climb of 500' per NM to 540.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

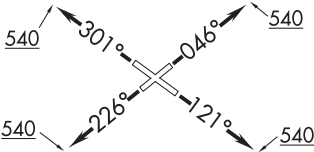


DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 5:** Climb on heading 046° to 540 for RADAR vectors to KNTKY, thence. . .  
**TAKEOFF RUNWAY 12:** Climb on heading 121° to 540 for RADAR vectors to KNTKY, thence. . .  
**TAKEOFF RUNWAY 23:** Climb on heading 226° to 540 for RADAR vectors to KNTKY, thence. . .  
**TAKEOFF RUNWAY 30:** Climb on heading 301° to 540 for RADAR vectors to KNTKY, thence. . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)



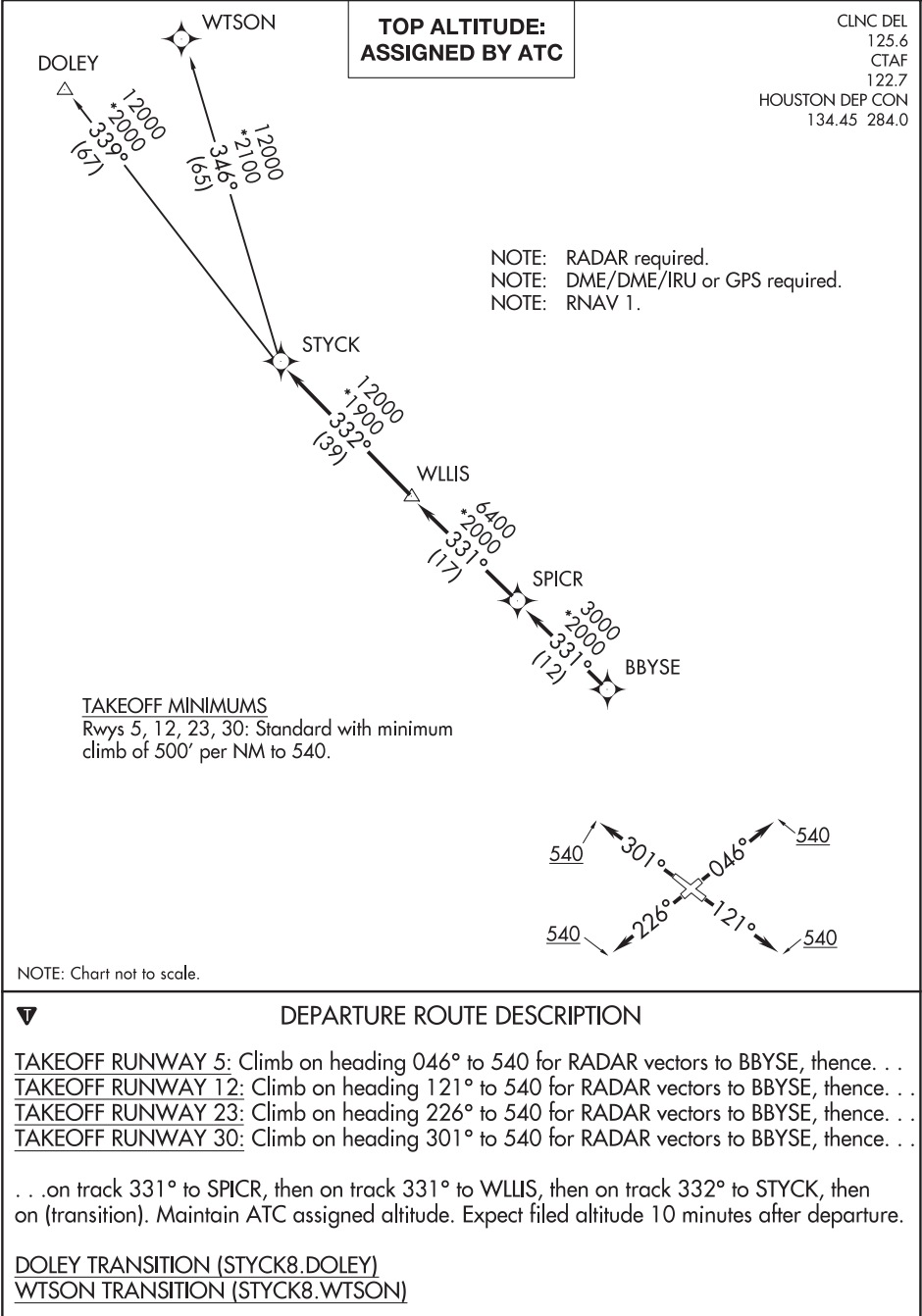
NOTE: Chart not to scale.

STRYA EIGHT DEPARTURE (RNAV)

(STRYA8.STRYA) 07OCT21

LA PORTE, TEXAS

LA PORTE MUNI (T41)



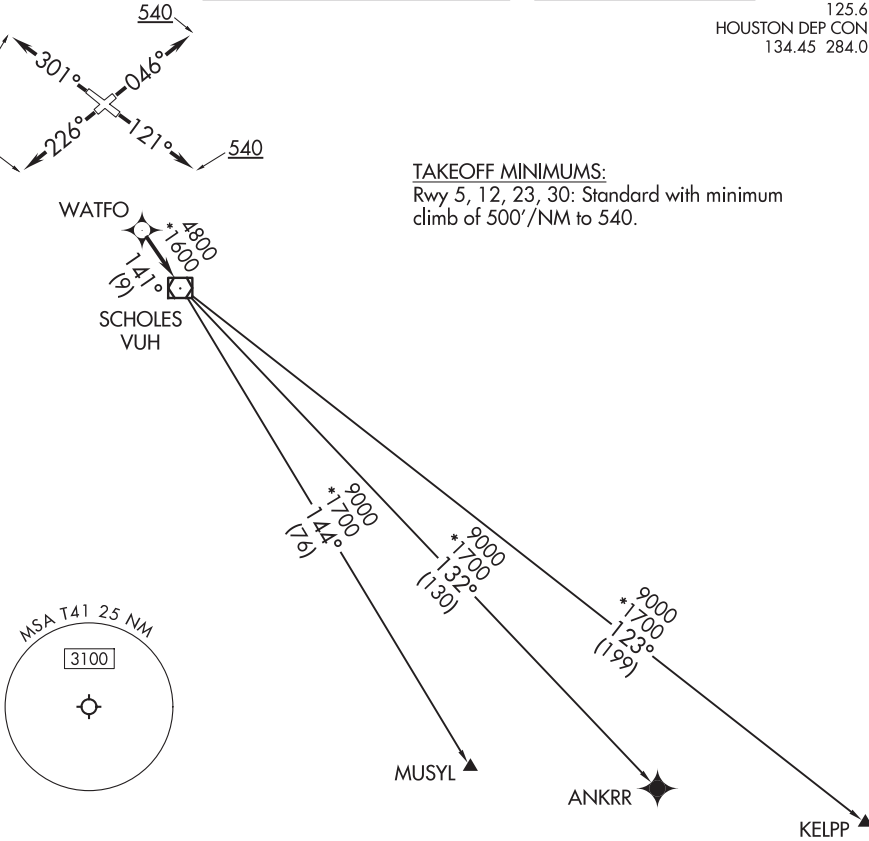
WATFO SIX DEPARTURE (RNAV)

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC

CTAF  
122.7  
CLNC DEL  
125.6  
HOUSTON DEP CON  
134.45 284.0

TAKEOFF MINIMUMS:  
Rwy 5, 12, 23, 30: Standard with minimum  
climb of 500'/NM to 540.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAY 12: Climb on heading 121° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAY 23: Climb on heading 226° to 540, for RADAR vectors to WATFO, thence. . . .  
TAKEOFF RUNWAY 30: Climb on heading 301° to 540, for RADAR vectors to WATFO, thence. . . .  
...on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)  
KELPP TRANSITION (WATFO6.KELPP)  
MUSYL TRANSITION (WATFO6.MUSYL)

## WYLSN EIGHT DEPARTURE (RNAV)

LA PORTE, TEXAS

CLNC DEL  
125.6  
CTAF  
122.7  
HOUSTON DEP CON  
134.45 284.0

**TOP ALTITUDE:  
ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 5, 12, 23, 30: Standard with minimum climb of 500' per NM to 540.

#### DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 046° to 540 for RADAR vectors to WYLSN, thence . . .

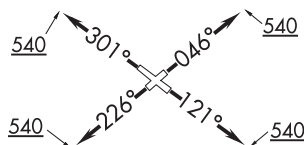
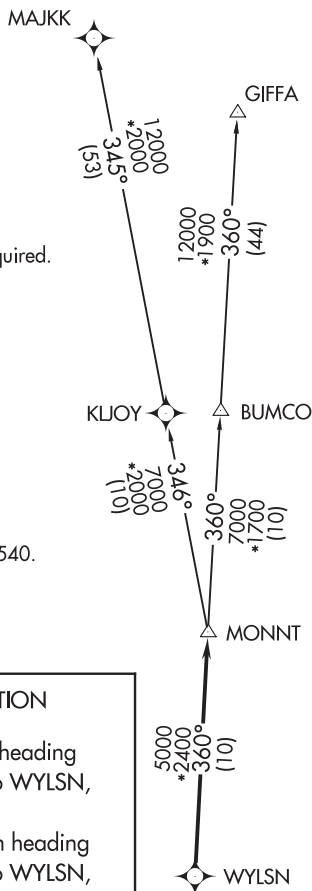
TAKEOFF RUNWAY 12: Climb on heading 121° to 540 for RADAR vectors to WYLSN, thence . . .

TAKEOFF RUNWAY 23: Climb on heading 226° to 540 for RADAR vectors to WYLSN, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 301° to 540 for RADAR vectors to WYLSN, thence. . . .

...on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)  
MAJKK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.

## WYLSN EIGHT DEPARTURE (RNAV)

(WYLSN8.WYLSN) 07OCT21

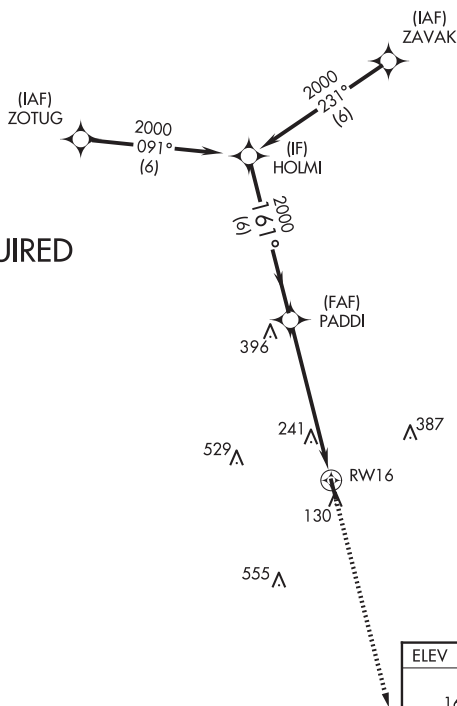
LA PORTE, TEXAS

LA PORTE MUNI (T41)

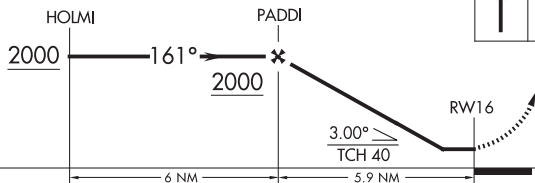
RNAV (GPS) RWY 16  
LIBERTY MUNI (T78)

**MISSED APPROACH:** Climb to 3000 direct WOVOL and hold.

122.9 L



VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 23).	3000	WOVOL
--	------	-------



CATEGORY	A	B	C	D
LP MDA	620-1	550 (600-1)	NA	
LNAV MDA	640-1	570 (600-1)	NA	
CIRCLING	640-1	570 (600-1)	NA	

161° -  
to RW16

MIRL Rwy 16-34 **L**

LIBERTY MUNI (T78)

RNAV (GPS) RWY 16

SC-5, 07 AUG 2025 to 02 OCT 2025

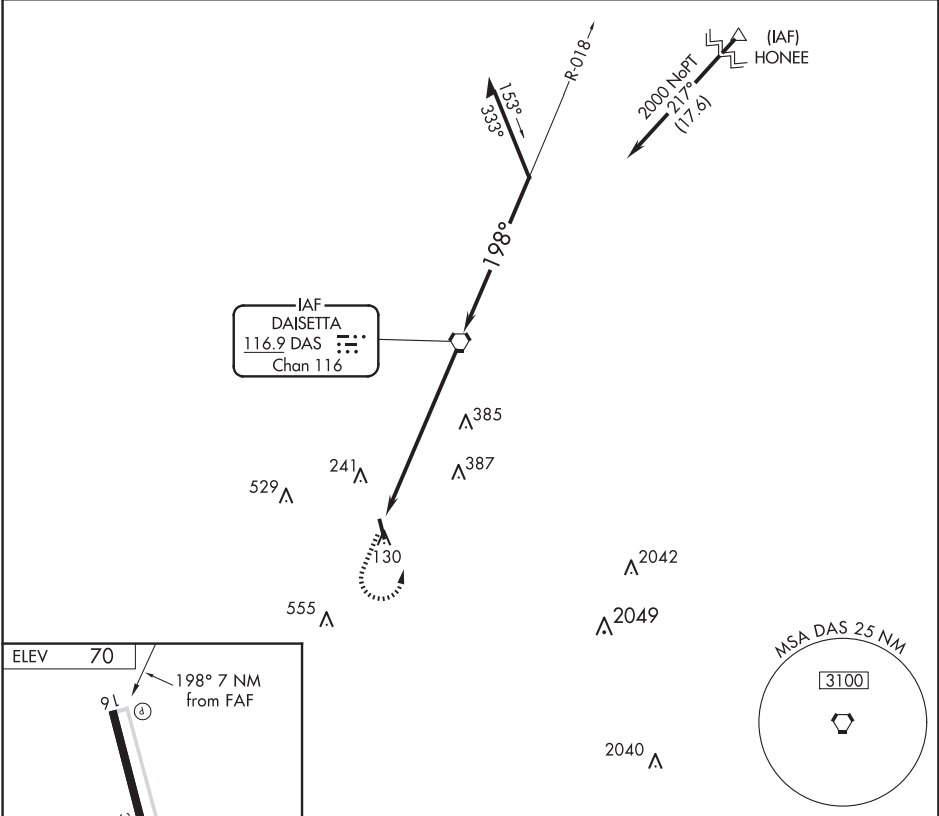


VORTAC DAS	APP CRS	Rwy Idg	N/A
<b>116.9</b>	<b>198°</b>	TDZE	N/A
Chan <b>116</b>		Apt Elev	<b>70</b>

VOR-A  
LIBERTY MUNI (T78)

▼ ▲NA	Use George Bush Intcnl/Houston altimeter setting. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.	MISSED APPROACH: Climb to 2000, then left turn direct DAS VORTAC.
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AWOS-3PT <b>120.775</b>	HOUSTON APP CON <b>119.7 281.4</b>	CTAF <b>122.9 0</b>
----------------------------	---------------------------------------	------------------------



ELEV 70		198° 7 NM from FAF	
91		34	
3801 x 75		MRL Rwy 16-34 0	
2000		DAS 7	
DAS VORTAC		Remain within 10 NM	
018°		198° 2000	
2000		7 NM	
FAF to MAP 7 NM		CATEGORY A B C D	
Knots 60 90 120 150 180		CIRCLING 600-1 530 (600-1) NA	
Min:Sec 7:00 4:40 3:30 2:48 2:20			

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

(BLTWY7.BLTWY) 21280

520  
AL-5196 (FAA)

LIBERTY MUNI (T78)  
LIBERTY, TEXAS

BLTWY SEVEN DEPARTURE (RNAV)

CTAF  
122.9  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

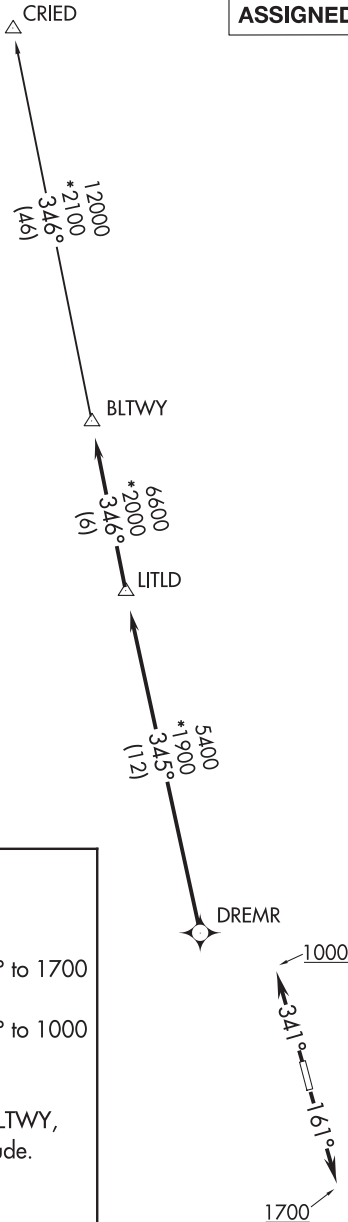
TAKEOFF MINIMUMS  
Rwys 16, 34: Standard with minimum climb  
of 500' per NM to 580.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700  
for RADAR vectors to DREMR, thence . . . .  
TAKEOFF RUNWAY 34: Climb on heading 341° to 1000  
for RADAR vectors to DREMR, thence . . . .

...on track 345° to LITLD, then on track 346° to BLTWY,  
then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.

BLTWY SEVEN DEPARTURE (RNAV)  
(BLTWY7.BLTWY) 07OCT21

LIBERTY, TEXAS  
LIBERTY MUNI (T78)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

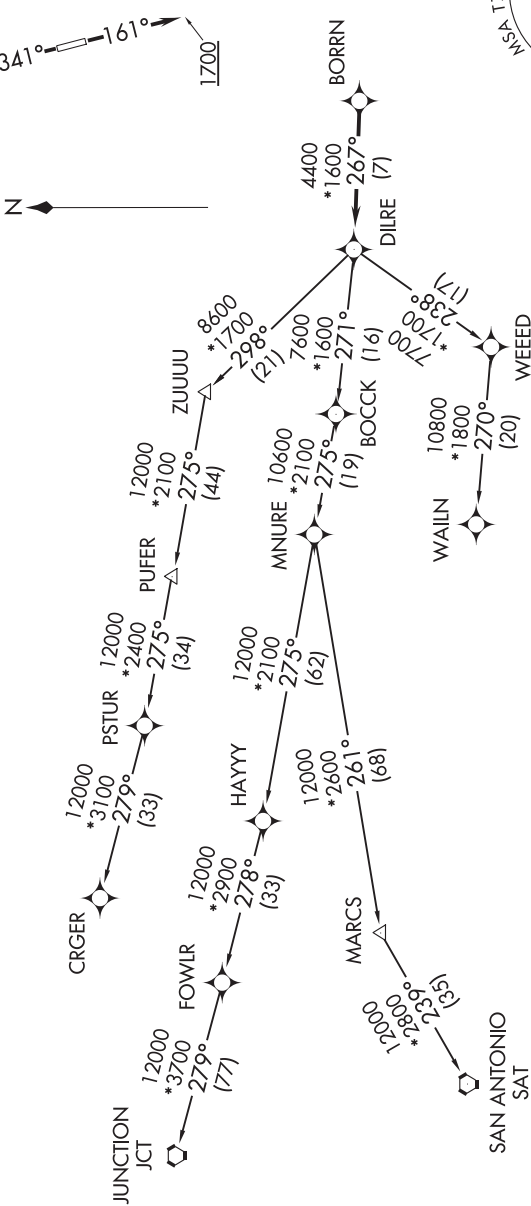
SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.9  
HOUSTON DEP CON  
119.7 281.4

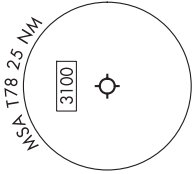
RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 16, 34: Standard with minimum  
climb of 500'/NM to 580.



NOTE: CRGR-TRANSITION ATC assigned only  
for aircraft departing 54T, AXH, EFD, GLS,  
HPY, IWS, LBX, LVJ, SGR, TME, T00, T41.



(CONTINUED ON FOLLOWING PAGE)

SC-5, 07 AUG 2025 to 02 OCT 2025

BORRN SIX DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700, for RADAR vectors to BORRN, thence. . . .

TAKEOFF RUNWAY 34: Climb on heading 341° to 1000, for RADAR vectors to BORRN, thence. . . .

. . . .on track 267° to DILRE, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BORRN6.CRGER)

JUNCTION TRANSITION (BORRN6.JCT)

MNURE TRANSITION (BORRN6.MNURE)

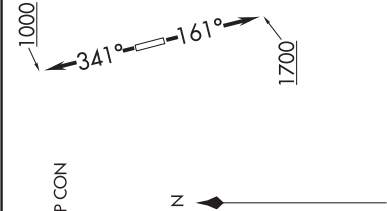
SAN ANTONIO TRANSITION (BORRN6.SAT)

WAILN TRANSITION (BORRN6.WAILN)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.9  
HOUSTON DEP CON  
119.7 281.4

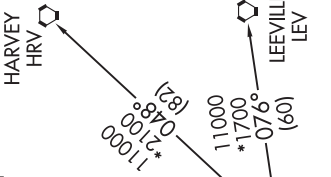


- NOTE: RNAV 1.  
NOTE: RADAR required.  
NOTE: ATC assigned only.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: For non-GPS equipped aircraft, LCH, ILLA, TBD, and LEV DME's must be operational.

TAKEOFF MINIMUMS

Rwys 16, 34: Standard with minimum climb of 500' per NM to 580.

TOP ALTITUDE:  
ASSIGNED BY ATC



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700, for RADAR vectors to VUH VOR/DME, thence . . . .

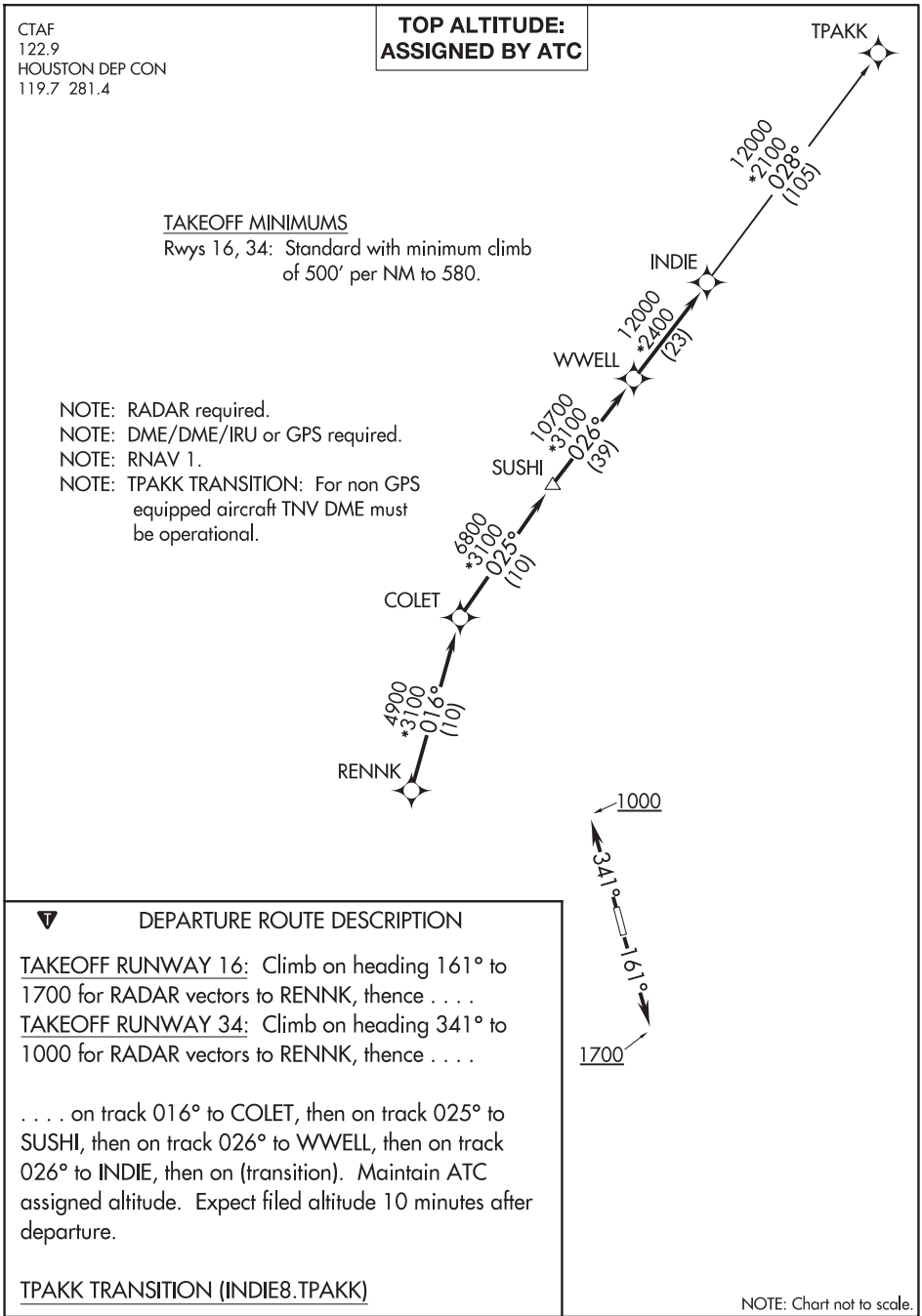
TAKEOFF RUNWAY 34: Climb on heading 341° to 1000, for RADAR vectors to VUH VOR/DME, thence . . . .

. . . . on track 118° to HOODO, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

- BOWFN TRANSITION (HOODO7.BOWFN)
- CFOOD TRANSITION (HOODO7.CFOOD)
- HARVEY TRANSITION (HOODO7.HRV)
- LEVILLIE TRANSITION (HOODO7.LEV)
- SBIRD TRANSITION (HOODO7.SBIRD)

HOODO SEVEN DEPARTURE (RNAV)  
(HOODO7.HOODO) 07OCT21

LIBERTY, TEXAS  
LIBERTY MUNI (T78)



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

CTAF  
122.9  
HOUSTON DEP CON  
119.7 281.4

RNAV-1 DME/DME/IRU or GPS.

RADAR required.

TOP ALTITUDE:  
ASSIGNED BY ATC

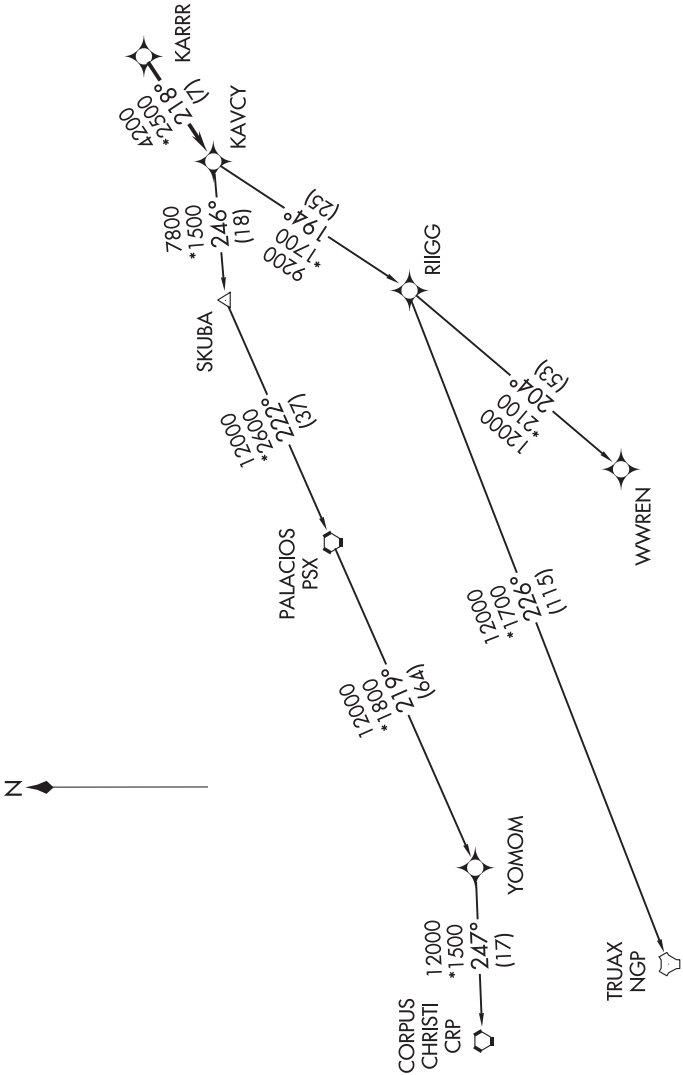
1000

341°

161°

1700

TAKEOFF MINIMUMS  
Rwys 16, 34: Standard with minimum climb of 500' per NM to 580.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-5, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700, for RADAR vectors to KARRR, thence. . . .

TAKEOFF RUNWAY 34: Climb on heading 341° to 1000, for RADAR vectors to KARRR, thence. . . .

. . . .on track 218° to KAVCY, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (KARRR7.CRP)

PALACIOS TRANSITION (KARRR7.PSX)

TRUAX TRANSITION (KARRR7.NGP)

WWREN TRANSITION (KARRR7.WWREN)

YOMOM TRANSITIOIN (KARRR7.YOMOM)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



## LURIC EIGHT DEPARTURE (RNAV)

CTAF	
122.9	
HOUSTON DEP CON	
119.7	281.4

**TOP ALTITUDE: ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 16, 34: Standard with minimum climb of 500' per NM to 580.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700 for RADAR vectors to KNTKY, thence....

TAKEOFF RUNWAY 34: Climb on heading 341° to 1000 for RADAR vectors to KNTKY, thence....

... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)  
ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)  
(LURIC8.LURIC) 07OCT21

LIBERTY, TEXAS

LIBERTY MUNI (T78)



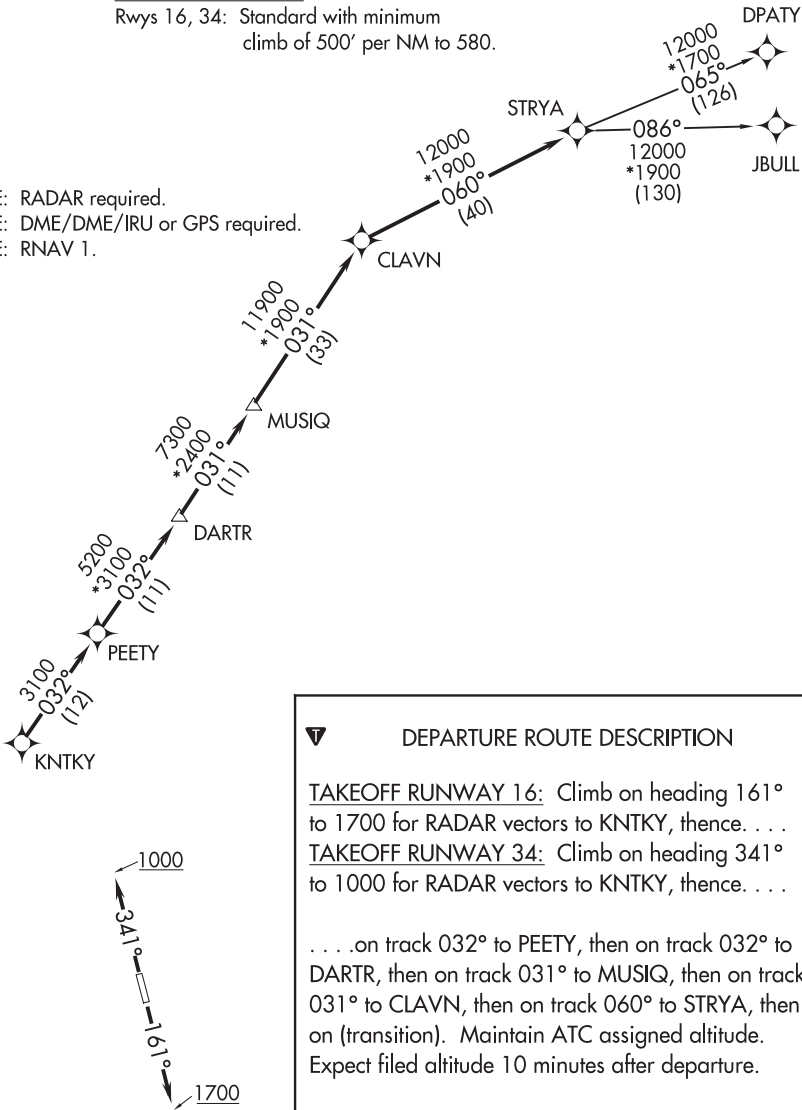
CTAF  
122.9  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS

Rwys 16, 34: Standard with minimum  
climb of 500' per NM to 580.

- NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

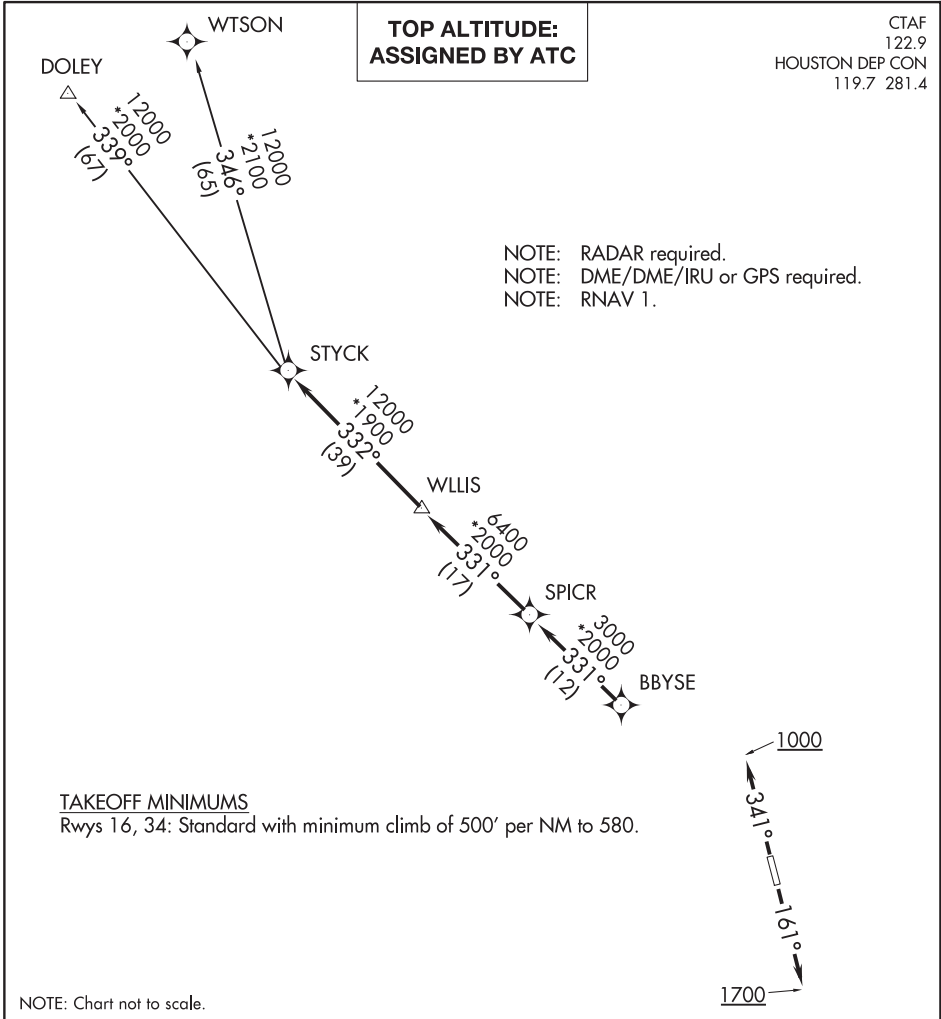
TAKEOFF RUNWAY 16: Climb on heading 161° to 1700 for RADAR vectors to KNTKY, then...  
TAKEOFF RUNWAY 34: Climb on heading 341° to 1000 for RADAR vectors to KNTKY, then...  
...on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

NOTE: Chart not to scale.

STYCK EIGHT DEPARTURE (RNAV)

LIBERTY, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700 for RADAR vectors to BBYSE, thence. . .

TAKEOFF RUNWAY 34: Climb on heading 341° to 1000 for RADAR vectors to BBYSE, thence. . .

. . .on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DOLEY TRANSITION (STYCK8.DOLEY)

WTSON TRANSITION (STYCK8.WTSON)

STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

LIBERTY, TEXAS

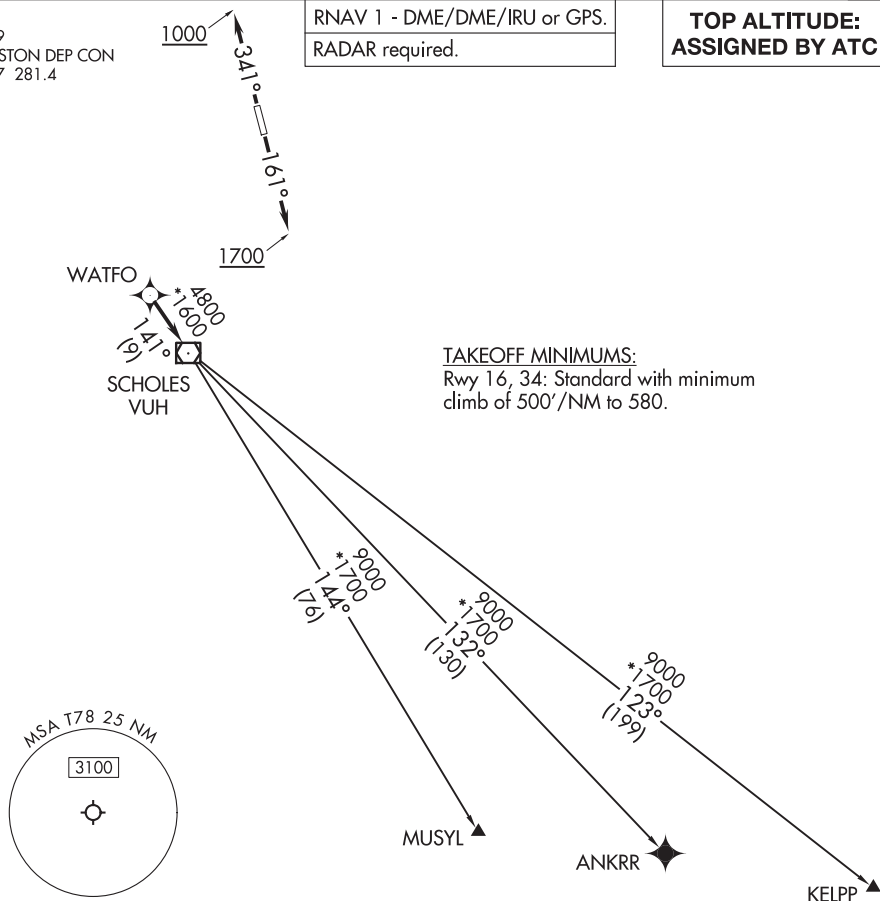
LIBERTY MUNI (T78)

LIBERTY MUNI (T78)  
LIBERTY, TEXAS

## WATFO SIX DEPARTURE (RNAV)

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

**TOP ALTITUDE:  
ASSIGNED BY ATC**



NOTE: Chart not to scale.

**T**

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb on heading 161° to 1700, for RADAR vectors to WATFO, thence. . .

TAKEOFF RUNWAY 34: Climb on heading 341° to 1000, for RADAR vectors to WATFO, thence. . .

...on track 141° to VUH VOR/DME, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (WATFO6.ANKRR)

KELPP TRANSITION (WATFO6.KELPP)

MUSYL TRANSITION (WATFO6.MUSYL)

WATFO SIX DEPARTURE (RNAV)

(WATFO6.WATFO) 10AUG23

LIBERTY, TEXAS  
LIBERTY MUNI (T78)

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WYLSN EIGHT DEPARTURE (RNAV)

CTAF  
122.9  
HOUSTON DEP CON  
119.7 281.4

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 16, 34: Standard with minimum  
climb of 500' per NM to 580.

DEPARTURE ROUTE DESCRIPTION

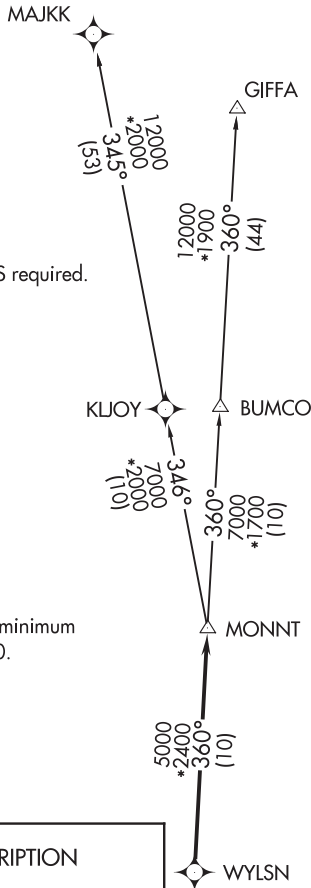
TAKEOFF RUNWAY 16: Climb on heading  
161° to 1700 for RADAR vectors to WYLSN,  
thence. . .

TAKEOFF RUNWAY 34: Climb on heading  
341° to 1000 for RADAR vectors to WYLSN,  
thence. . .

. . . on track 360° to MONNT, then on  
(transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)

MAJKK TRANSITION (WYLSN8.MAJKK)



NOTE: Chart not to scale.

WYLSN EIGHT DEPARTURE (RNAV)

(WYLSN8.WYLSN) 07OCT21

LIBERTY, TEXAS  
LIBERTY MUNI (T78)

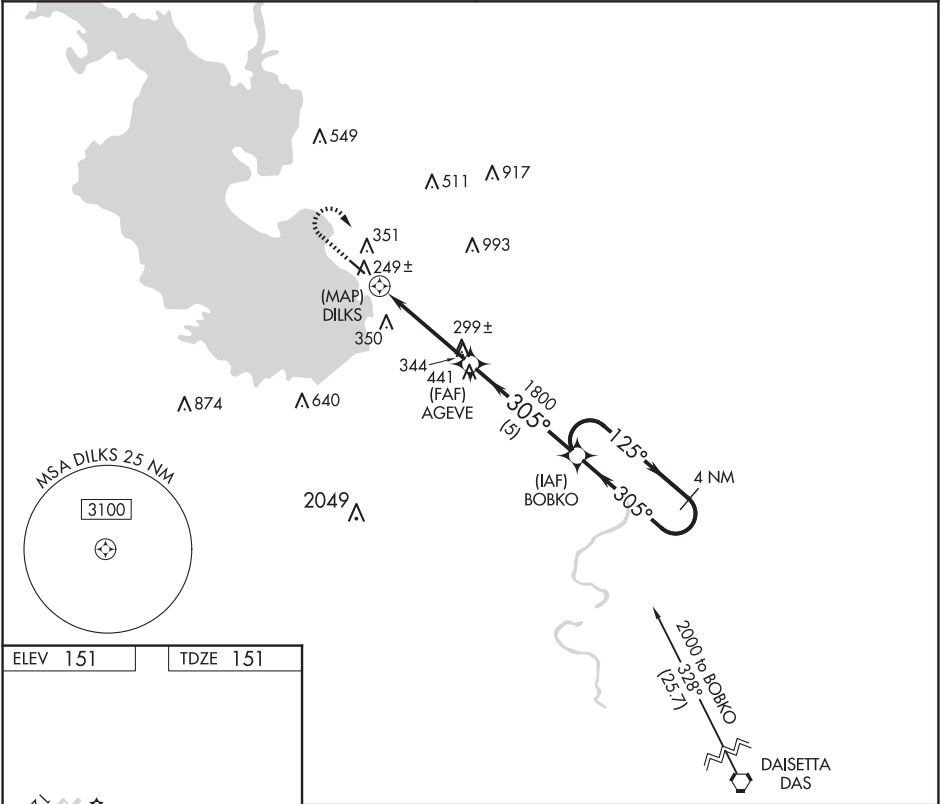
APP CRS	Rwy Idg	3704
305°	TDZE	151
	Apt Elev	151

RNAV (GPS) RWY 30

LIVINGSTON MUNI (00R)

RNP APCH-GPS.	MISSED APPROACH: Climb to 1000 then climbing right turn to 2000 direct BOBK0 WP and hold.
▼ Use Conroe/North Houston Rgnl altimeter setting: Rwy 30 helicopter	
▲ NA visibility reduction below 1 SM NA. Night landing: Rwy 30 NA.	

HOUSTON CENTER 125.175 285.575	UNICOM 122.7 (CTAF)
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	1000	2000	BOBK0	Visual Segment - Obstacles.		4 NM Holding Pattern	
				AGEVE	BOBK0		
	DILKS		AGEVE		BOBK0		
0.7		4.3 NM		5 NM			
CATEGORY	A		B		C		D
LNAV MDA	680-1		529 (600-1)		680-1½ 529 (600-1½)		NA
CIRCLING	800-1		649 (700-1)		800-1¾ 649 (700-1¾)		NA

LUFKIN, TEXAS

AL-870 (FAA)

20142

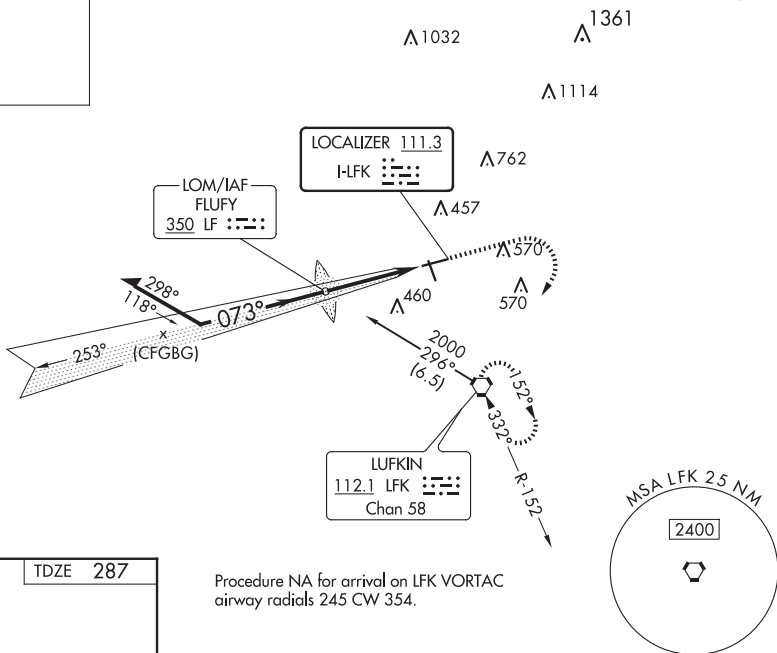
LOC I-LFK <b>111.3</b>	APP CRS <b>073°</b>	Rwy Idg TDZE Apt Elev	<b>5400</b> <b>287</b> <b>296</b>
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# ILS or LOC RWY 7

## ANGELINA COUNTY (L'FK)

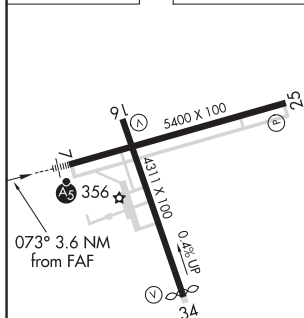
NA Circling Rwy 16, 25 NA at night.	MALSR AS	MISSED APPROACH: Climb to 800 then climbing right turn to 2000 direct LFK VORTAC and hold, continue climb-in-hold.
--	-------------	--

ASOS <b>120.625</b>	HOUSTON CENTER <b>125.175 285.575</b>	UNICOM <b>123.0 (CTAF) 0</b>
------------------------	--	---------------------------------

ALTERNATE  
MISSED APCH

Procedure NA for arrival on LFK VORTAC  
airway radials 245 CW 354.

ELEV 296	TDZE 287
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MIRL Rwy 7-25 and 16-34 0

FAF to MAP 3.6 NM

Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

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Amdt 3 07DEC17

Remain within 10 NM FLUFY LOM 2000 253° 073° 1490 1500 GS 3.00° TCH 50 3.6 NM				
CATEGORY	A	B	C	D
S-ILS 7	537-1/2 250 (300-1/2)			
S-LOC 7	680-1/2	393 (400-1/2)	680-5/8	393 (400-5/8)
CIRCLING	740-1 444 (500-1)	760-1 464 (500-1)	880-1 1/2 584 (600-1 1/2)	1140-2 3/4 844 (900-2 3/4)

ANGELINA COUNTY (L'FK)

# ILS or LOC RWY 7

31°14'N-94°45'W



WAAS CH <b>50105</b> <b>W07A</b>	APP CRS <b>073°</b>	Rwy Idg TDZE <b>287</b> Apt Elev <b>296</b>
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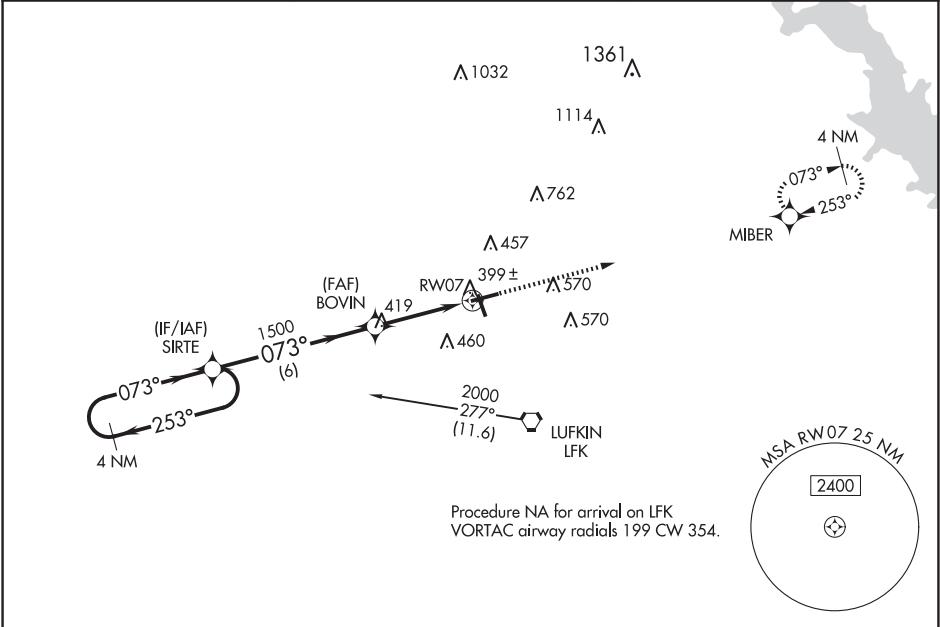
RNAV (GPS) RWY 7  
ANGELINA COUNTY (LKF)

**▼** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -4°C (25°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Circling Rwy 16, 25 NA at night.

**▲** MALSR

MISSED APPROACH: Climb to 2000 direct MIBER and hold.

ASOS <b>120.625</b>	HOUSTON CENTER <b>125.175 285.575</b>	UNICOM <b>123.0 (CTAF) 0</b>
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ELEV 296		TDZE 287	
4 NM Holding Pattern		2000 MIBER	
SIRTE		*LNAV only.	
2000 ← 253° 073° →		BOVIN 1500	
GP 3.00° TCH 50		*1 NM to RW07	
6 NM		2.7 NM	
CATEGORY	A	B	C
LPV DA	537-½	250 (300-½)	
LNAV/VNAV DA	563-½	276 (300-½)	
LNAV MDA	660-½	373 (400-½)	660-⅝ 373 (400-⅝)
CIRCLING	740-1 444 (500-1)	760-1 464 (500-1)	880-1½ 584 (600-1½)
			1140-2¾ 844 (900-2¾)

MIRL Rwy 7-25 and 16-34 0

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

LUFKIN, TEXAS

AL-870 (FAA)

20142

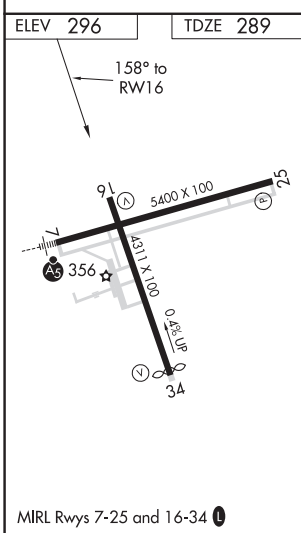
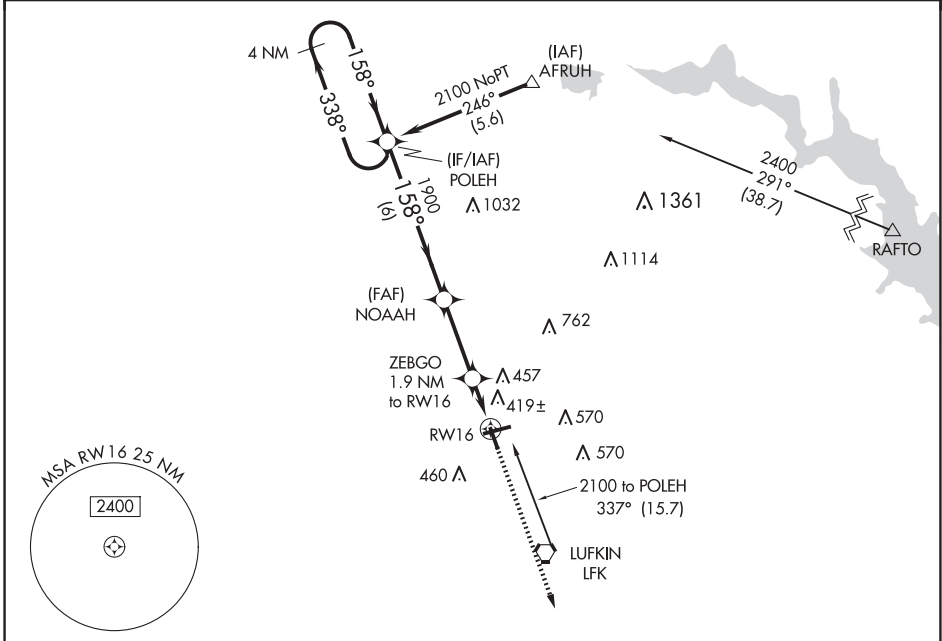
APP CRS <b>158°</b>	Rwy Idg <b>4311</b>
	TDZE <b>289</b>
	Apt Elev <b>296</b>

# RNAV (GPS) RWY 16

ANGELINA COUNTY (L'F'K)

<p><b>⚠</b> DME/DME RNP-0.3 NA.  <b>⚠</b> Straight in Rwy 16 NA at night, Circling Rwy 16, 25 NA at night.          Rwy 16 helicopter visibility reduction below 1 SM NA.</p>	MISSED APPROACH: Climb to 2000 direct EXISE and hold.
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ASOS <b>120.625</b>	HOUSTON CENTER <b>125.175 285.575</b>	UNICOM <b>123.0 (CTAF) 0</b>
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<div><div>EXISE</div><div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>158°</div><div>338°</div><div>4 NM</div></div></div></div>				
<div>4 NM Holding Pattern</div> <div>POLEH</div>			<div>2000</div> <div>↑</div>	<div>EXISE</div> <div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div>
<div><div>2100</div><div>←338°</div><div>→158°</div><div>NOAAH</div><div>158°</div><div>1900</div><div>3.00°</div><div>TCH 48</div><div>940</div><div>ZEBGO</div><div>1.9 NM to RW16</div><div>RW16</div><div>6 NM</div><div>3 NM</div><div>1.9 NM</div></div>				
CATEGORY	A	B	C	D
LNAV MDA	680-1 391 (400-1)		680-1½ 391 (400-1½)	
<div><div>C</div>CIRCLING</div>	740-1 444 (500-1)	760-1 464 (500-1)	880-1½ 584 (600-1½)	1140-2¾ 844 (900-2¾)

LUFKIN, TEXAS

Amdt 1 07DEC17

31°14'N-94°45'W

ANGELINA COUNTY (L'F'K)

# RNAV (GPS) RWY 16

SC-5, 07 AUG 2025 to 02 OCT 2025

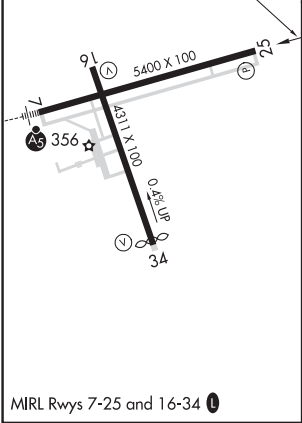
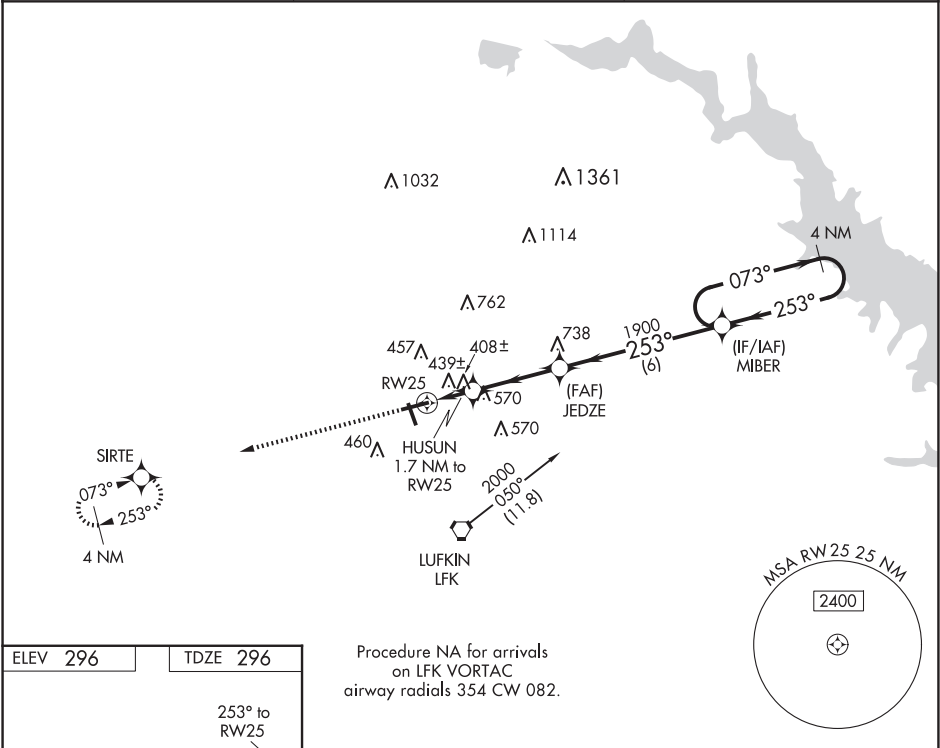
WAAS CH <b>72641</b> <b>W25A</b>	APP CRS <b>253°</b>	Rwy Idg TDZE <b>296</b> Apt Elev <b>296</b>
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


RNAV (GPS) RWY 25

ANGELINA COUNTY (L'F'K)

<div><div><div></div><div></div></div><div>DME/DME RNP- 0.3 NA. Straight-in Rwy 25 NA at night, Circling Rwy 16, 25 NA at night. Rwy 25 helicopter visibility reduction below 1 SM NA.</div></div>	MISSED APPROACH: Climb to 2000 direct SIRTE and hold.
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ASOS <b>120.625</b>	HOUSTON CENTER <b>125.175 285.575</b>	UNICOM <b>123.0</b> (CTAF) <b>0</b>
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2000	SIRTE				
					
		JEDZE		MIBER	4 NM Holding Pattern
		HUSUN 1.7 NM to RW25			
					
RW25		1900		073°→ ←253° 2000	
880		3.2 NM		6 NM	
1.7 NM					
CATEGORY	A	B	C	D	
LP MDA	660-1		364 (400-1)		
LNAV MDA	700-1	404 (500-1)	700-1½	404 (500-1½)	
 CIRCLING	740-1	760-1	880-1½	1140-2¾	
	444 (500-1)	464 (500-1)	584 (600-1½)	844 (900-2¾)	

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

# RNAV (GPS) RWY 34

## ANGELINA COUNTY (LFK)

ANGELINA COUNTY (LFK)  
RNAV (GPS) RWY 34

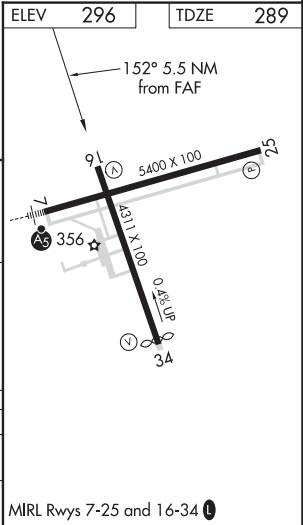
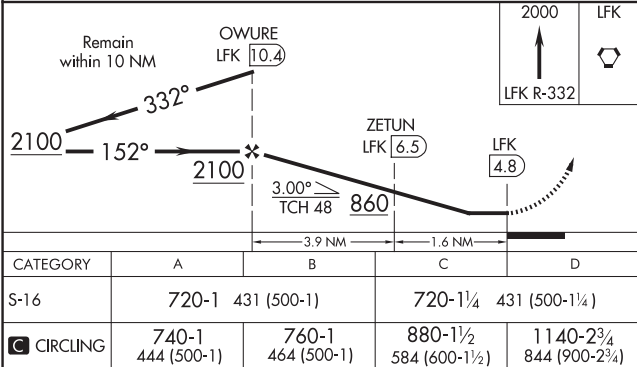
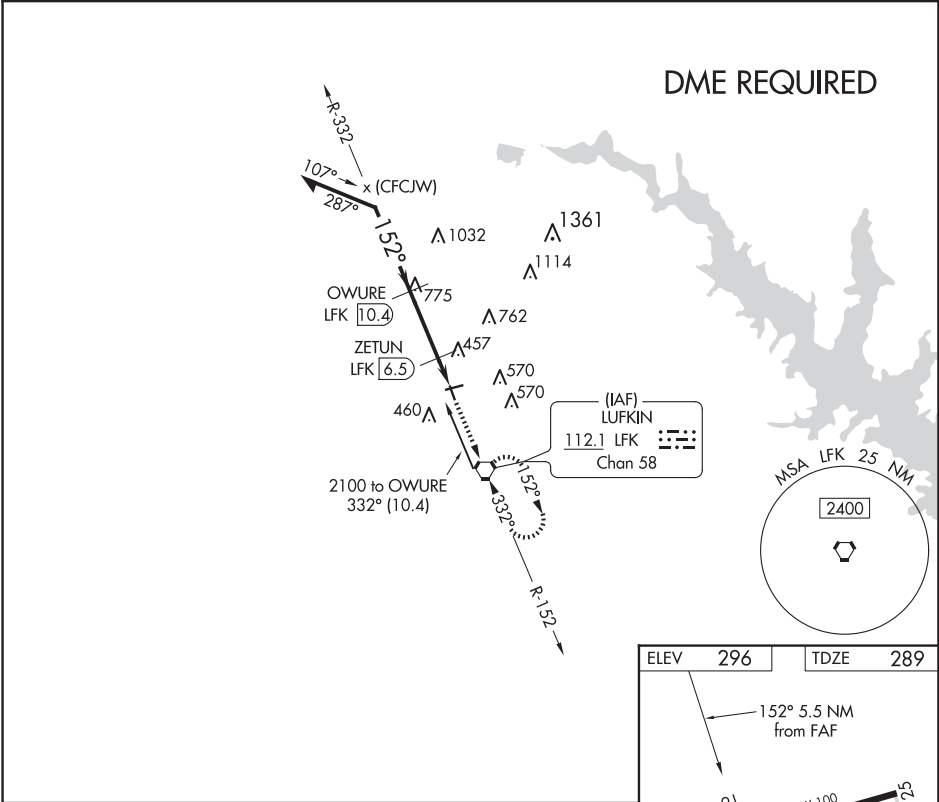
SC-5, 07 AUG 2025 to 02 OCT 2025

VORTAC LFK	APP CRS	Rwy Idg	4311
112.1	152°	TDZE	289
Chan 58		Apt Elev	296

VOR RWY 16  
ANGELINA COUNTY (L'F'K)

<p>▼ Rwy 16 helicopter visibility reduction below 1 SM NA. ▲ DME Required. Straight-in Rwy 16 NA at night, Circling Rwy 16, 25 NA at night.</p>	<p>MISSED APPROACH: Climb to 2000 on LFK VORTAC R-332 to LFK VORTAC and hold.</p>
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ASOS 120.625	HOUSTON CENTER 125.175 285.575	UNICOM 123.0 (CTAF) 0
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LUFKIN, TEXAS

AL-870 (FAA)

20142

VORTAC LFK	APP CRS	Rwy Idg	4204
<b>112.1</b>	<b>332°</b>	TDZE	<b>286</b>
Chan <b>58</b>		Apt Elev	<b>296</b>

# VOR RWY 34

## ANGELINA COUNTY (LFK)



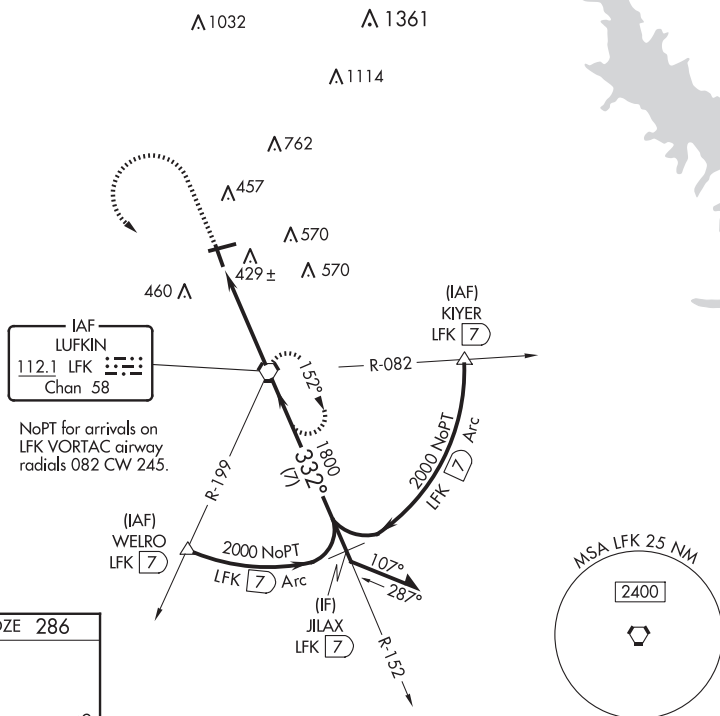
Rwy 34 helicopter visibility reduction below 1 SM NA.  
Straight-In Rwy 34 NA at night, Circling to Rwy 16, 25, 34 NA at night.

MISSED APPROACH: Climb to 900 then descending left turn to 2000 direct LFK VORTAC and hold.

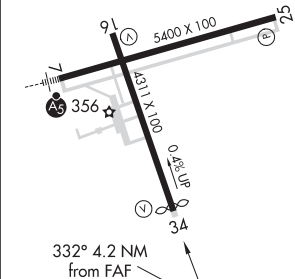
ASOS  
**120.625**

HOUSTON CENTER  
**125.175 285.575**

UNICOM  
**123.0 (CTAF) 0**



ELEV 296 TDZE 286



FAF to MAP 4.2 NM					
Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

<div>900</div> <div>2000</div> <div>LFK</div>	<div>LFK VORTAC</div> <div>Remain within 10 NM</div>			
	<div>VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 55).</div> <div>LFK 4.2</div> <div>≤ 3.34° TCH 55</div> <div>4.2 NM</div>			
CATEGORY	A	B	C	D
S-34	680-1 394 (400-1)		680-1½ 394 (400-1½)	
CIRCLING	740-1 444 (500-1)	760-1 464 (500-1)	880-1½ 584 (600-1½)	1140-2¾ 844 (900-2¾)

LUFKIN, TEXAS

Amdt 15 07DEC17

31°14'N-94°45'W

ANGELINA COUNTY (LFK)

VOR RWY 34

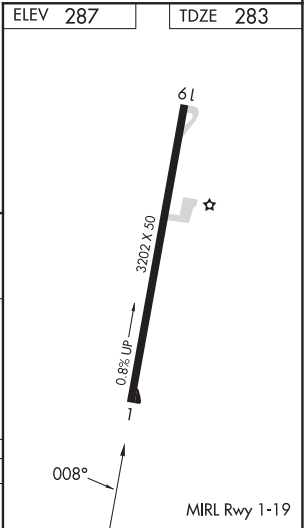
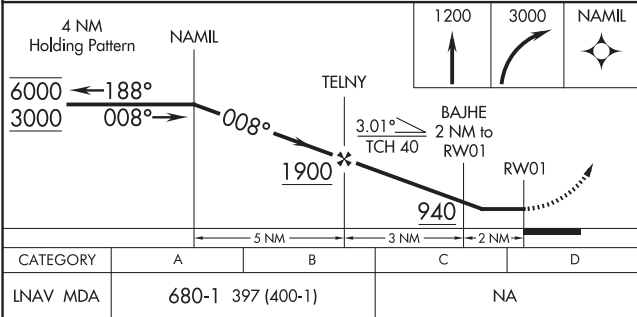
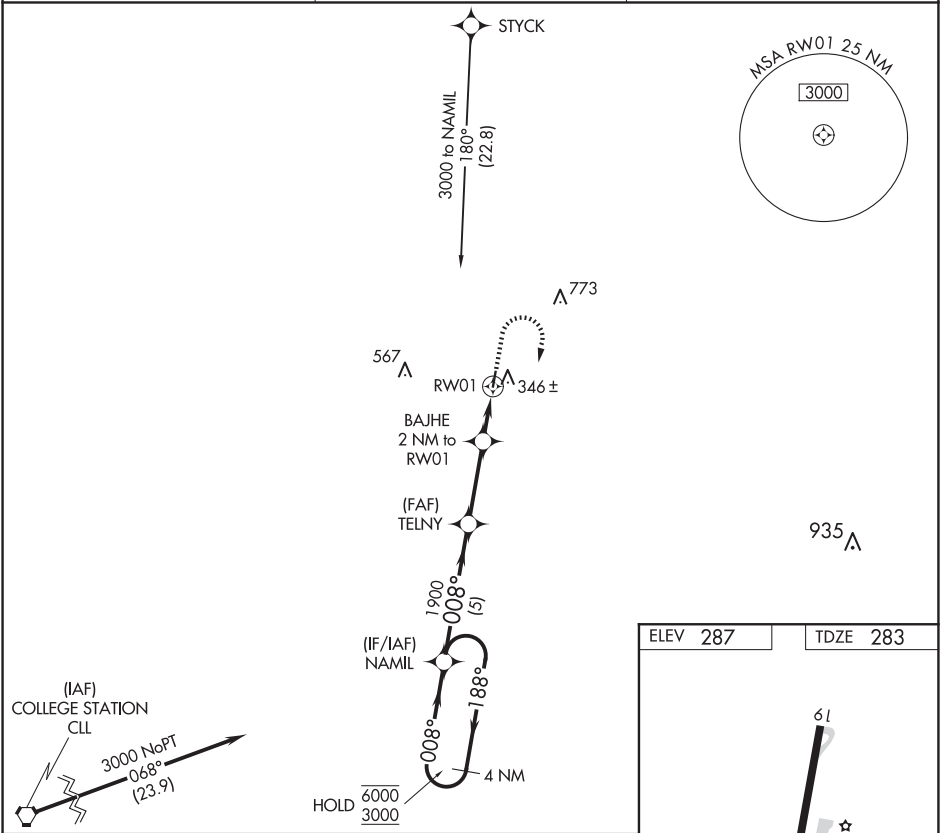
APP CRS	Rwy Idg	3202
008°	TDZE	283
	Apt Elev	287

RNAV (GPS) RWY 1

MADISONVILLE MUNI (51R)

RNP APCH - GPS.		MISSED APPROACH: Climb to 1200 then climbing right turn to 3000 direct NAMIL and hold.
	Procedure NA at night.	
	Rwy 1 helicopter visibility reduction below 1 SM NA. Use UTS altimeter setting.	

UTS ASOS 119.425	HOUSTON CENTER 134.8 269.6	CTAF 122.9
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MADISONVILLE, TEXAS


AL-6843 (FAA)

24361

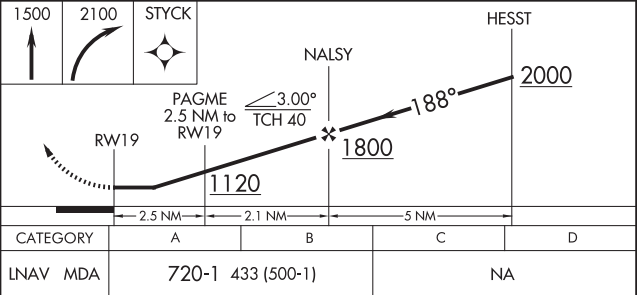
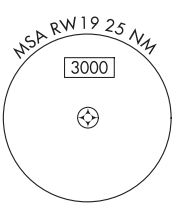
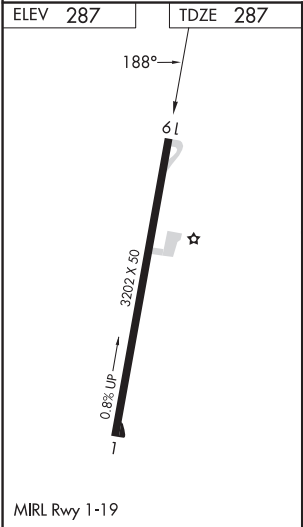
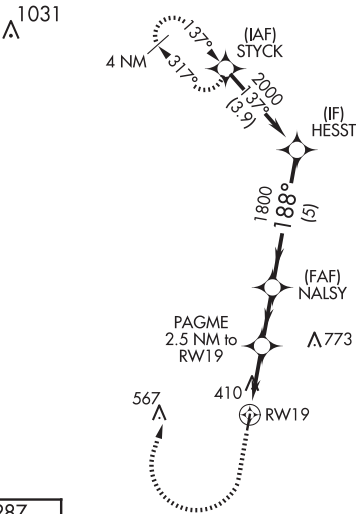
APP CRS <b>188°</b>	Rwy Idg	<b>3202</b>
	TDZE	<b>287</b>
	Apt Elev	<b>287</b>

RNAV (GPS) RWY 19

MADISONVILLE MUNI (51R)

RNP APCH - GPS.		MISSED APPROACH: Climb to 1500 then climbing right turn to 2100 direct STYCK and hold.
	Procedure NA at night. Rwy 19 helicopter visibility reduction below 1 SM NA. Use UTS altimeter setting.	

UTS ASOS <b>119.425</b>	HOUSTON CENTER <b>134.8 269.6</b>	CTAF <b>122.9</b>
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



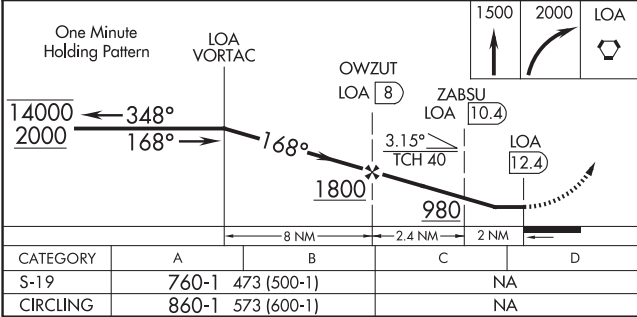
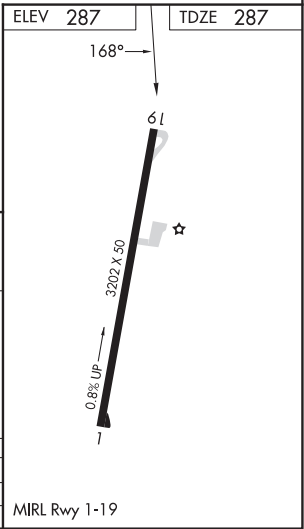
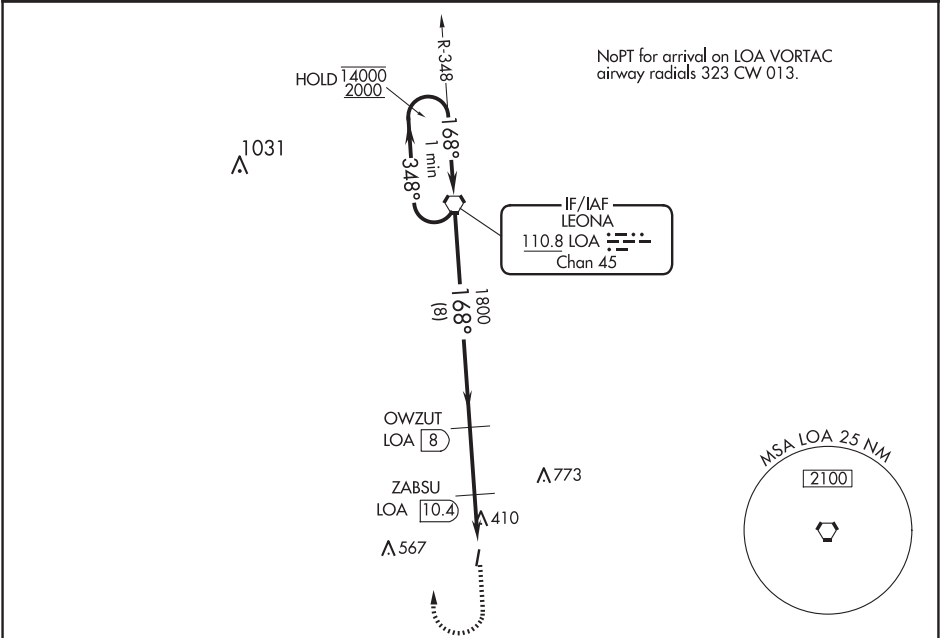
VORTAC LOA	APP CRS	Rwy Idg	3202
110.8	168°	TDZE	287
Chan 45		Apt Elev	287

VOR RWY 19

MADISONVILLE MUNI (51R)

DME required.	MISSED APPROACH: Climb to 1500 then climbing right turn to 2000 direct LOA VORTAC and hold.
<div><div>▼</div><div>NA</div></div> <div>Rwy 19 helicopter visibility reduction below 1 SM NA. Procedure NA at night. Use UTS altimeter setting.</div>	

UTS ASOS	HOUSTON CENTER	CTAF
119.425	134.8 269.6	122.9



SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

MARLIN, TEXAS

AL-5854 (FAA)

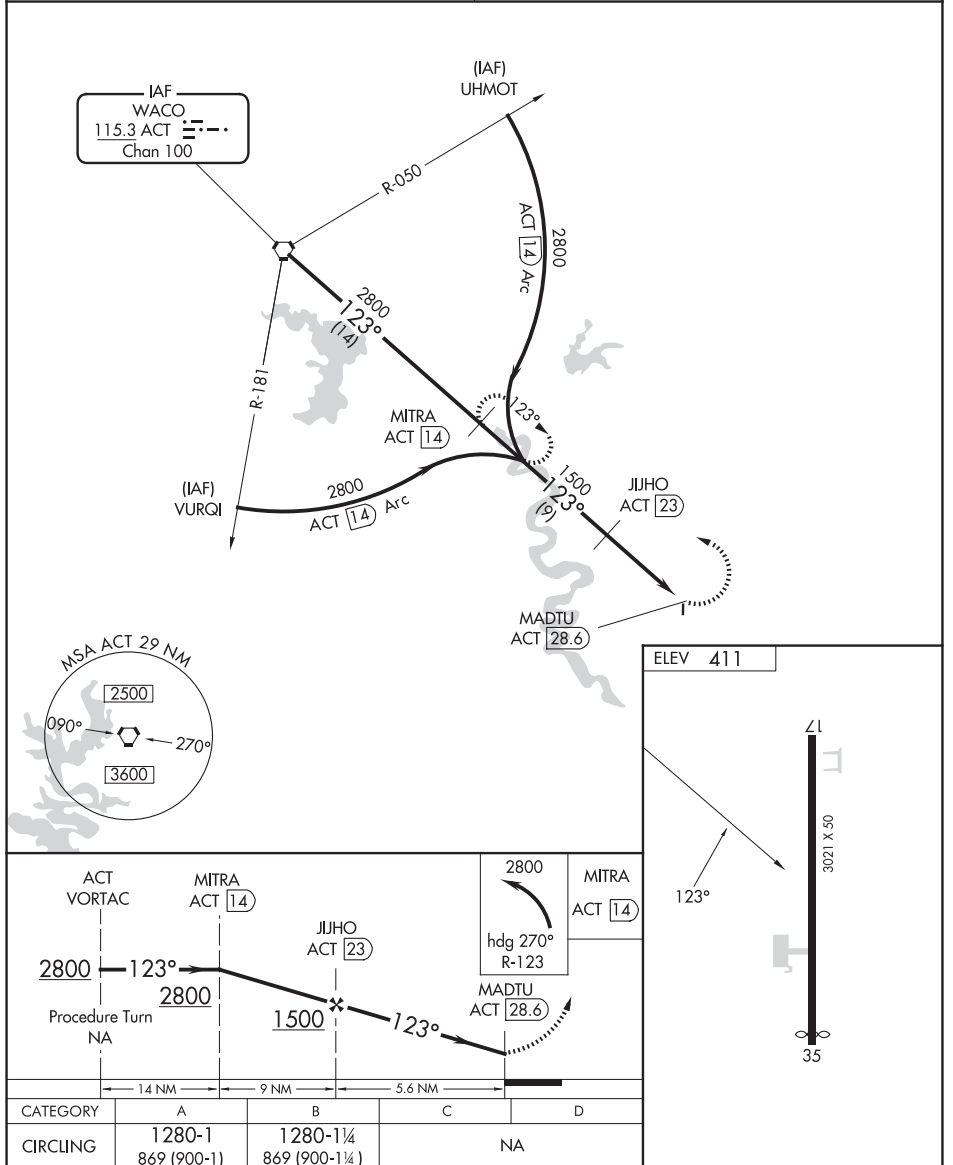
25219

VOR ACT <b>115.3</b> Chan <b>100</b>	APP CRS <b>123°</b>	Rwy Ldg TDZE Apt Elev <b>N/A</b> <b>N/A</b> <b>411</b>
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# VOR/DME or GPS-A

MARLIN (T15)

<b>T</b> Use Waco Rgnl altimeter setting. <b>A</b> NA	MISSED APPROACH: Climbing left turn to 2800 via heading 270° and R-123 to MITRA/14 DME and hold.
WACO APP CON ★ <b>127.65 352.0</b>	CTAF <b>122.9</b>



MARLIN, TEXAS  
Amdt 7 18MAY00

31°20'N-96°51'W

MARLIN (T15)  
VOR/DME or GPS-A

SC-5, 07 AUG 2025 to 02 OCT 2025

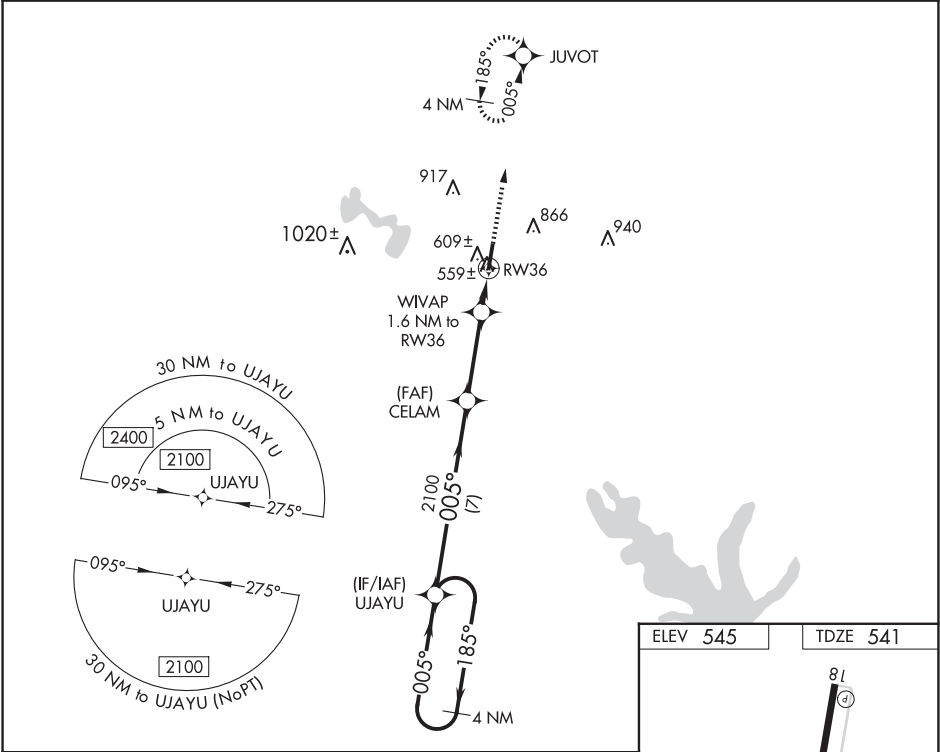
SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>69228</b> <b>W36A</b>	APP CRS <b>005°</b>	Rwy Idg TDZE Apt Elev	<b>5000</b> <b>541</b> <b>545</b>
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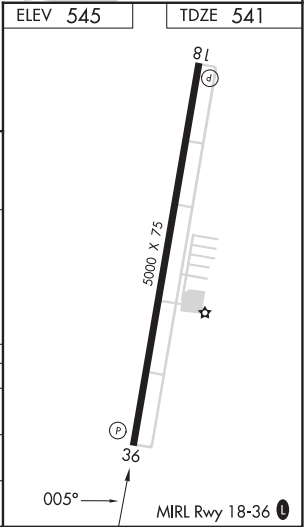
RNAV (GPS) RWY 36  
MEXIA-LIMESTONE COUNTY (LXY)

<p><b>▽</b> DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. Obtain local altimeter setting on CTAF; when not received, use Waco Rgnl altimeter setting and increase all MDA 100 feet; increase LP Cat C visibility ½ mile and LNAV and circling Cat C visibility ¼ mile.</p> <p><b>⚠ NA</b></p>	<p><b>MISSED APPROACH:</b> Climb to 2400 direct JUVOT and hold.</p>
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AWOS-3 <b>127.275</b>	WACO APP CON ★ <b>127.65 352.0</b>	UNICOM <b>122.8</b> (CTAF)
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4 NM Holding Pattern		VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 24).		2400 JUVOT
UJAYU		CELAM		WIVAP 1.6 NM to RWY 36
2100 ← 185°		005° → 2100		1080
7 NM		3.2 NM		1.6 NM
CATEGORY	A	B	C	D
LP MDA	860-1	319 (400-1)	NA	NA
LNAV MDA	880-1	339 (400-1)	NA	NA
CIRCLING	960-1 415 (500-1)	1180-1 635 (700-1)	1220-2 675 (700-2)	NA





ILS or LOC RWY 36  
NACOGDOCHES A L MANGHAM JR RGNL (OCH)

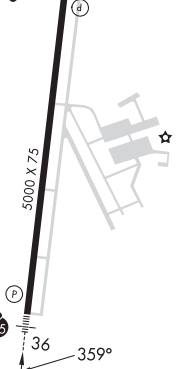
**MISSED APPROACH:** Climb to 1000 then climbing left turn to 2100 direct NADOS/OC NDB and hold.

ELEV 343

TDZE 343

MIRL Rwy 18-36 

REIL Rwys 18 



5000 x 7.5

81

36

359°

AG

P

L

L

☆

FAF to MAP 4.8 NM

Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

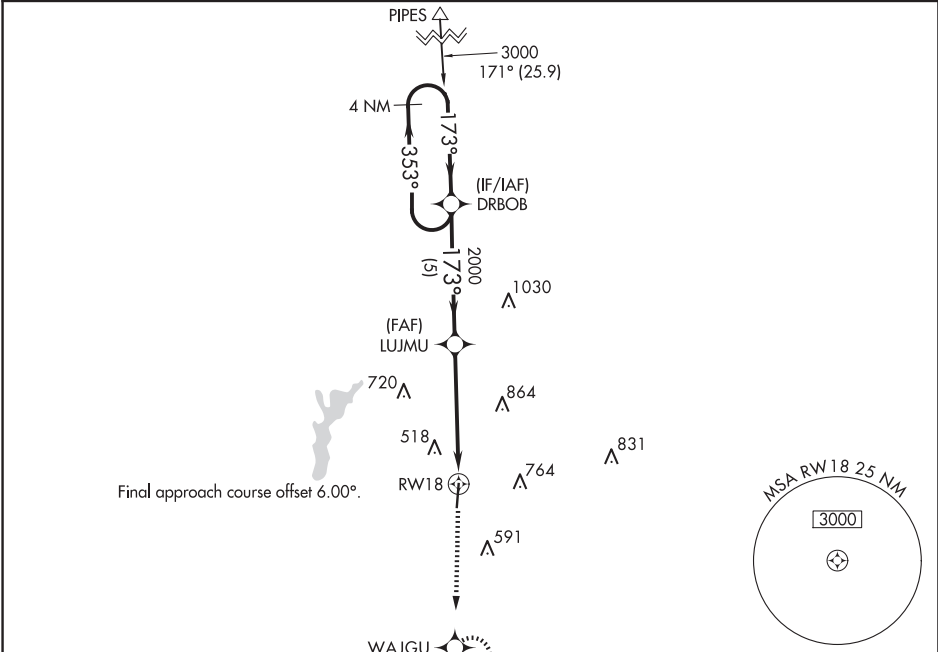
APP CRS	Rwy ldg	5000
173°	TDZE	343
	Apt Elev	343

RNAV (GPS) RWY 18

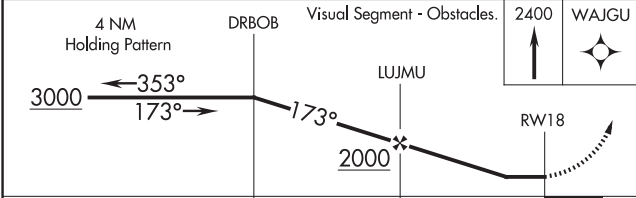
NACOGDOCHES A L MANGHAM JR RGNL (OCH)

RNP APCH-GPS.	Rwy 18 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Lufkin altimeter setting and increase all MDA 60 feet and visibility LNAV Cat C and Circling Cat C ¼ SM.	MISSED APPROACH: Climb to 2400 direct WAJGU and hold.
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AWOS-3PT 135.625	HOUSTON CENTER 125.175 285.575	UNICOM 123.0(CTAF) 0
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ELEV 343	TDZE 343
173°	
81	
5000 X 75	
36	
REIL Rwy 18 0	
MIRL Rwy 18-36 0	



CATEGORY	A	B	C	D
LNAV MDA	980-1	637 (700-1)	980-1¾ 637 (700-1¾)	NA
CIRCLING	980-1	637 (700-1)	1080-2 737 (800-2)	NA

RNAV (GPS) RWY 18

WAAS CH <b>93528</b> <b>W36A</b>	APP CRS <b>359°</b>	Rwy Idg TDZE <b>343</b> Apt Elev <b>343</b>	<b>5000</b>
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RNAV (GPS) RWY 36

NACOGDOCHES A L MANGHAM JR RGNL (OCH)

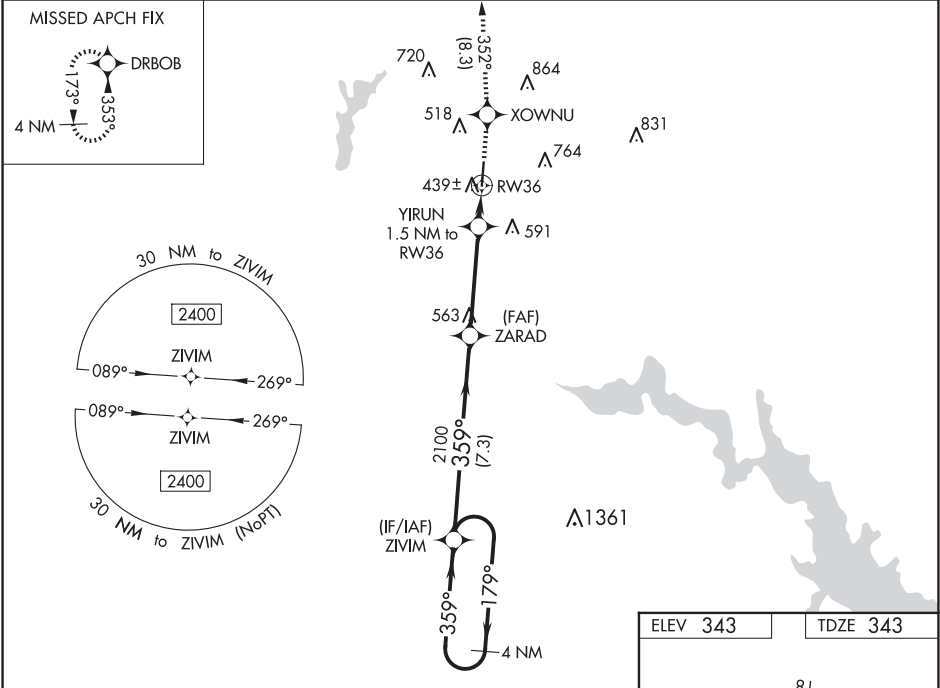
RNP APCH-GPS.

Baro-VNAV NA when using Lufkin altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use Lufkin altimeter setting: increase LPV DA to 599 feet, LNAV/VNAV DA to 681 feet, and visibility LNAV/VNAV all Cats ½ SM, increase all MDA 60 feet and visibility LNAV Cat C ½ SM and Circling Cat C ½ SM.

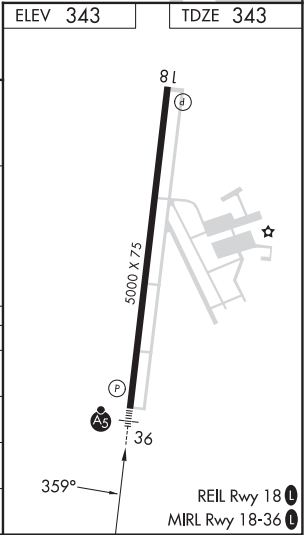
MALSR

MISSED APPROACH: Climb to 2400 direct XOWNU and on track 352° to DRBOB and hold.

AWOS-3PT <b>135.625</b>	HOUSTON CENTER <b>125.175 285.575</b>	UNICOM <b>123.0 (CTAF)</b>
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4 NM Holding Pattern		ZIVIM	2400	XOWNU	DRBOB
2400		179°	359°	352°	
GP 3.00°					
TCH 53					
		7.3 NM	3.9 NM	1.5 NM	
CATEGORY	A	B	C	D	
LPV DA	543-½ 200 (200-½)			NA	
LNAV/VNAV DA	625-½ 282 (300-½)			NA	
LNAV MDA	700-½	357 (400-½)	700-5/8 357 (400-5/8)	NA	
CIRCLING	860-1	517 (600-1)	1080-2 737 (800-2)	NA	



WAAS CH <b>42931</b> <b>W17A</b>	APP CRS <b>174°</b>	Rwy Idg <b>5003</b> TDZE <b>229</b> Apt Elev <b>229</b>
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RNAV (GPS) RWY 17

NAVASOTA MUNI (60R)

RNP APCH - GPS.

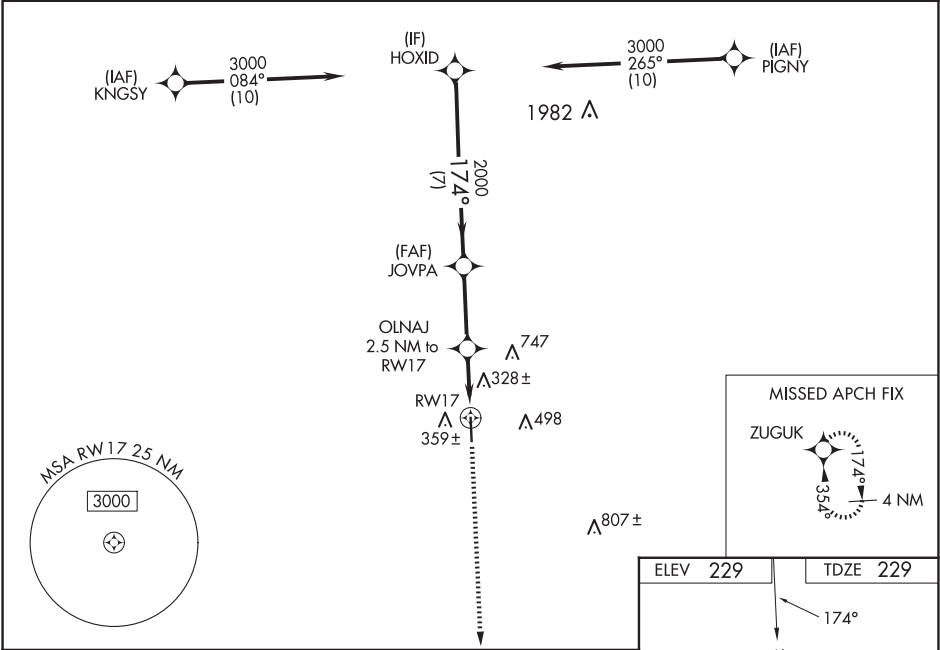
T

A

Rwy 17 helicopter visibility reduction below 3/4 NA. Baro-VNAV and VDP NA when using 11R altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15C or above 54C. When local altimeter setting not received, use 11R altimeter setting and increase LPV DA to 529 feet and all visibilities 1/8 SM; increase LNAV/VNAV DA to 635 feet and all visibilities 1/8 SM; increase all MDAs 60 feet and LNAV visibility Cat C and D 1/8 SM.

MISSED APPROACH: Climb to 3000 direct ZUGUK and hold.

AWOS-3PT <b>120.925</b>	HOUSTON APP CON <b>134.3 360.85</b>	CTAF <b>122.9</b>	<b>123.3 0</b>
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3000

ZUGUK

HOXID

JOVPA

OLNAJ

RW17

GP 3.00°

TCH 45

7 NM

3 NM

1.5 NM

1 NM

CATEGORY	A	B	C	D
LPV DA		479-1	250 (300-1)	
LNAV/VNAV DA		585-1	356 (400-1)	
LNAV MDA		580-1	351 (400-1)	

ELEV 229

TDZE 229

174°

5003 X 75

0.7% UP

35

REIL Rwy 17 and 35

MIRL Rwy 17-35 0

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>42831</b> <b>W35A</b>	APP CRS <b>354°</b>	Rwy Idg TDZE <b>215</b> Apt Elev <b>229</b>
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RNAV (GPS) RWY 35

NAVASOTA MUNI (60R)

RNP APCH-GPS.

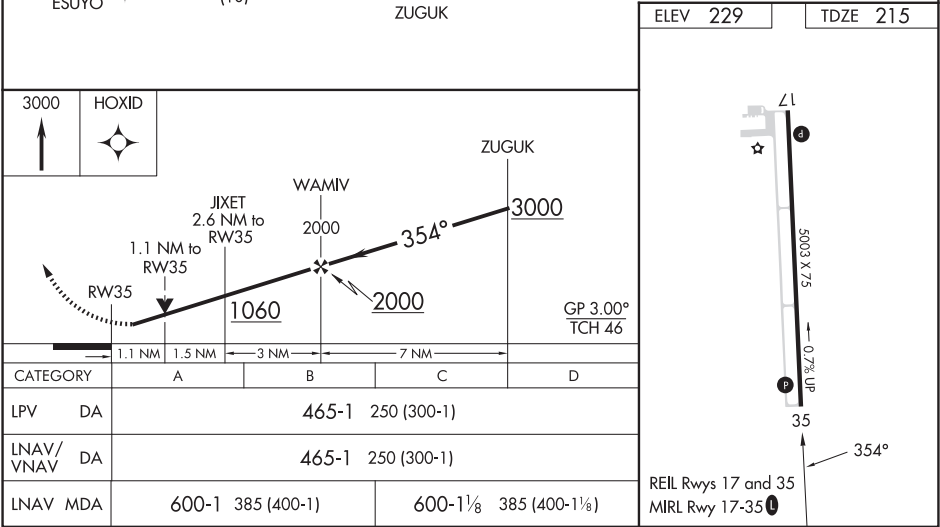
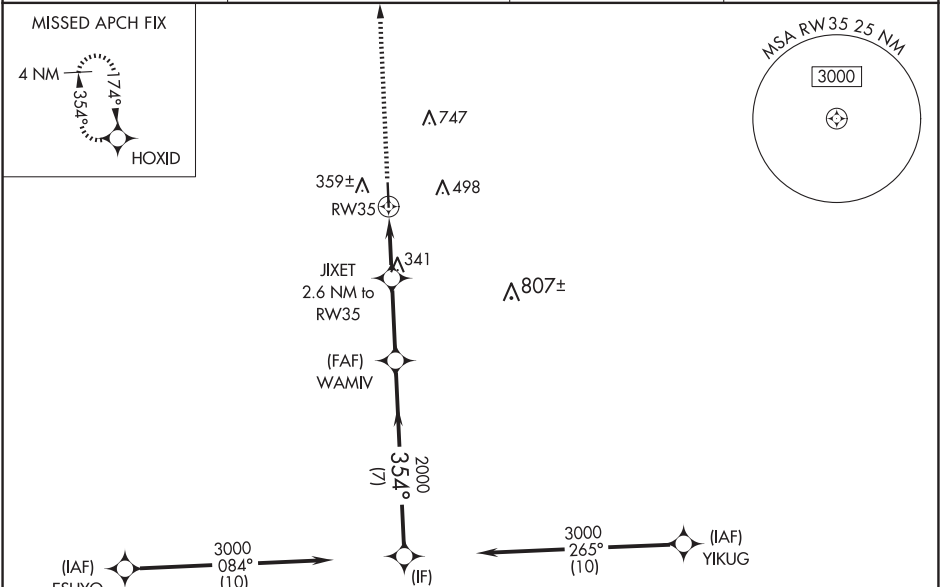
▼

⚠

Rwy 35 helicopter visibility reduction below ¾ NA. Baro-VNAV and VDP NA when using 11R altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use 11R altimeter setting and increase LPV DA to 515 feet and all visibilities ½ SM; increase LNAV/VNAV DA to 515 feet and all visibilities ½ SM; increase all MDAs 60 feet and LNAV visibility Cat C and D ¼ SM.

MISSED APPROACH: Climb to 3000 direct HOXID and hold.

AWOS-3PT <b>120.925</b>	HOUSTON APP CON <b>134.3 360.85</b>	CTAF <b>122.9</b>	<b>123.3</b>
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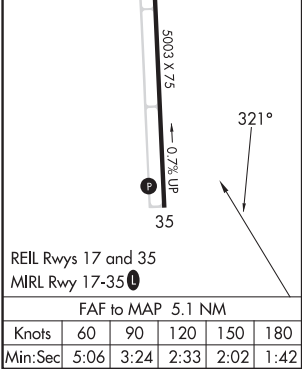
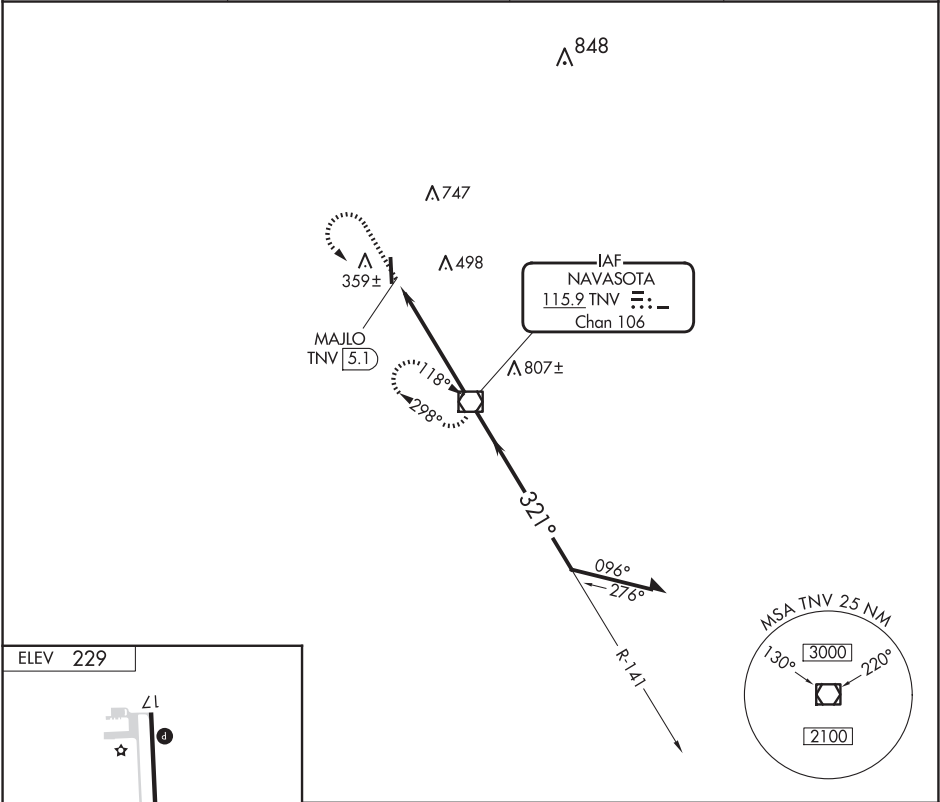





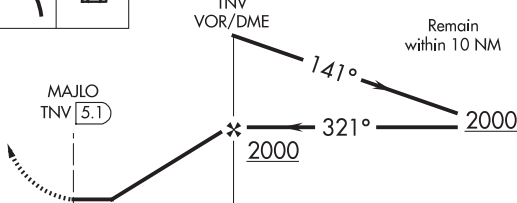
VOR/DME TNV <b>115.9</b> Chan <b>106</b>	APP CRS <b>321°</b>	Rwy Idg TDZE Apt Elev <b>N/A</b> <b>N/A</b> <b>229</b>
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VOR-A  
NAVASOTA MUNI (60R)

<div><div>▼</div><div>▲ NA</div></div> <div>When local altimeter setting not received, use Brenham altimeter setting.</div>	MISSED APPROACH: Climb to 2000 then left turn direct TNV VOR/DME and hold.
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AWOS-3PT <b>120.925</b>	HOUSTON APP CON <b>134.3 360.85</b>	CTAF <b>122.9</b>	<b>123.3</b>
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2000			TNV 				
							
CATEGORY	A		B		C		D
CIRCLING	820-1 591 (600-1)				1100-2½ 871 (900-2½)		1100-2¾ 871 (900-2¾)

ORANGE, TEXAS

AL-6312 (FAA)

21336

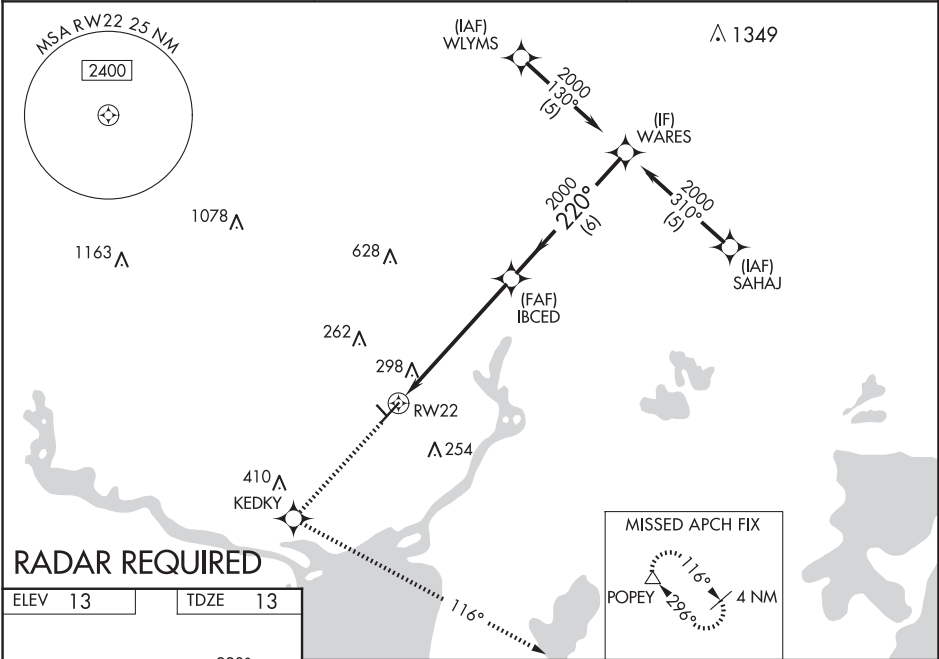
WAAS CH <b>56614</b> <b>W22A</b>	APP CRS <b>220°</b>	Rwy Idg TDZE <b>13</b> Apt Elev <b>13</b>
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**RNAV (GPS) RWY 22**  
ORANGE COUNTY (OR.G)

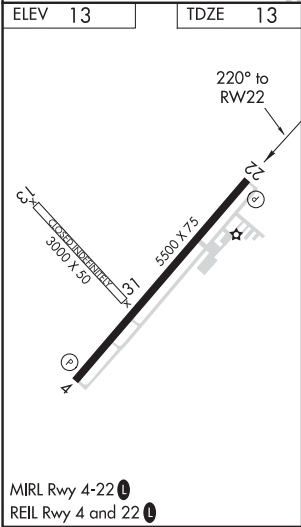
**⚠** For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Jack Brooks Rgnl altimeter setting and increase all DA 32 feet and all MDA 40 feet, increase LPV and LNAV/VNAV all Cats visibility ¼ mile, and LNAV and Circling Cat C visibility ½ mile. Baro-VNAV and VDP NA when using Jack Brooks Rgnl altimeter setting. Circling NA to Rwy 13/31.

**MISSED APPROACH:** Climb to 2000 direct KEDKY and left turn via track 116° to POPEY and hold.

AWOS-3 <b>118.975</b>	HOUSTON APP CON <b>121.3 377.1</b>	UNICOM <b>122.8 (CTAF) 0</b>
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**RADAR REQUIRED**



2000	KEDKY	POPEY	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00°/TCH 21).	
*LNAV only		IBCED	WARES	
RW22		1.8 NM to RW22	220°	2000
		4.2 NM	2000	GP 3.00° TCH 45
		6 NM		
CATEGORY	A	B	C	D
LPV DA	329-1	316 (400-1)		NA
LNAV/VNAV DA	674-2 ¼	661 (700-2 ¼)		NA
LNAV MDA	600-1	587 (600-1)	600-1 ½ 587 (600-1 ½)	NA
CIRCLING	660-1	647 (700-1)	660-1 ¾ 647 (700-1 ¾)	NA

ORANGE, TEXAS  
Orig 22OCT09

30°04' N-93°48' W

ORANGE COUNTY (OR.G)  
**RNAV (GPS) RWY 22**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



VORTAC PSX <b>117.3</b> Chan <b>120</b>	APP CRS <b>120°</b>	Rwy Idg <b>5001</b> TDZE <b>13</b> Apt Elev <b>14</b>
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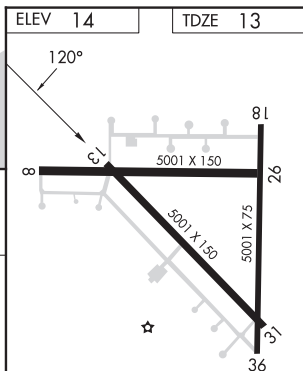
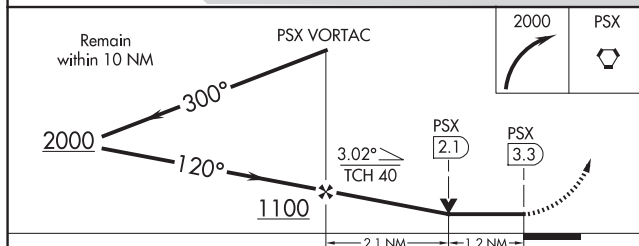
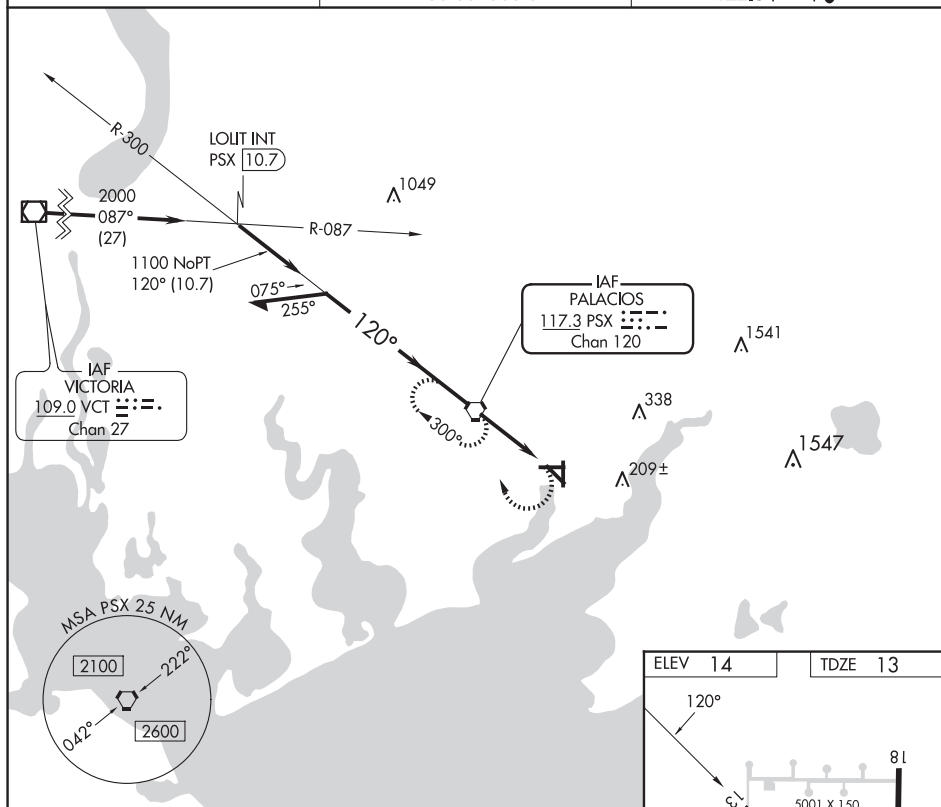
VOR RWY 13  
PALACIOS MUNI (PSX)

**T** When local altimeter setting not received, use Port Lavaca altimeter setting:  
**A** increase all MDAs 60 feet and S-13 Cat C/D and Circling Cat C/D  
 visibility  $\frac{1}{4}$  SM. Rwy 13 helicopter visibility reduction below  $\frac{3}{4}$  SM NA.  
 Circling Rwy 8, 18, 26, 31, 36 NA at night.

**MISSED APPROACH:** Climbing right turn to 2000 direct PSX VORTAC and hold.

ASOS  
118.025

HOUSTON CENTER  
135.05 353.6

UNICOM  
122.8 (CTAF) **L**

CATEGORY	A	B	C	D
S-13	380-1 367 (400-1)			380-1¼ 367 (400-1¼)
CIRCLING	460-1 446 (500-1)	480-1 466 (500-1)	560-1½ 546 (600-1½)	700-2¼ 686 (700-2¼)

REIL Rwy 13 and 31					
MIRL Rwy 13-31 0					
FAF to MAP 3.3 NM					
Knots	60	90	120	150	180
Min:Sec	3:18	2:12	1:39	1:19	1:06

PALACIOS, TEXAS  
Amdt 10H 10AUG23

28°44'N-96°15'W

PALACIOS MUNI (PSX)  
VOR RWY 13

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



PALESTINE, TEXAS

AL-871 (FAA)

22139

APP CRS	Rwy Idg	5005
357°	TDZE	415
	Apt Elev	423

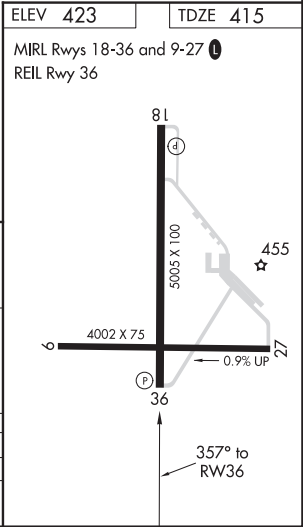
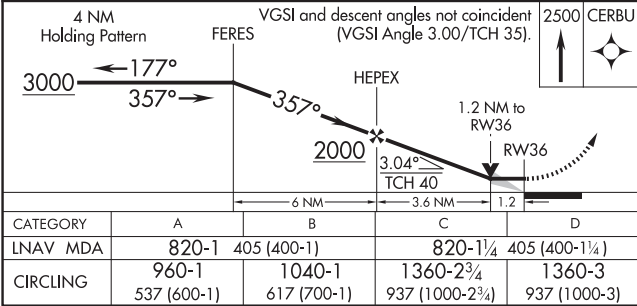
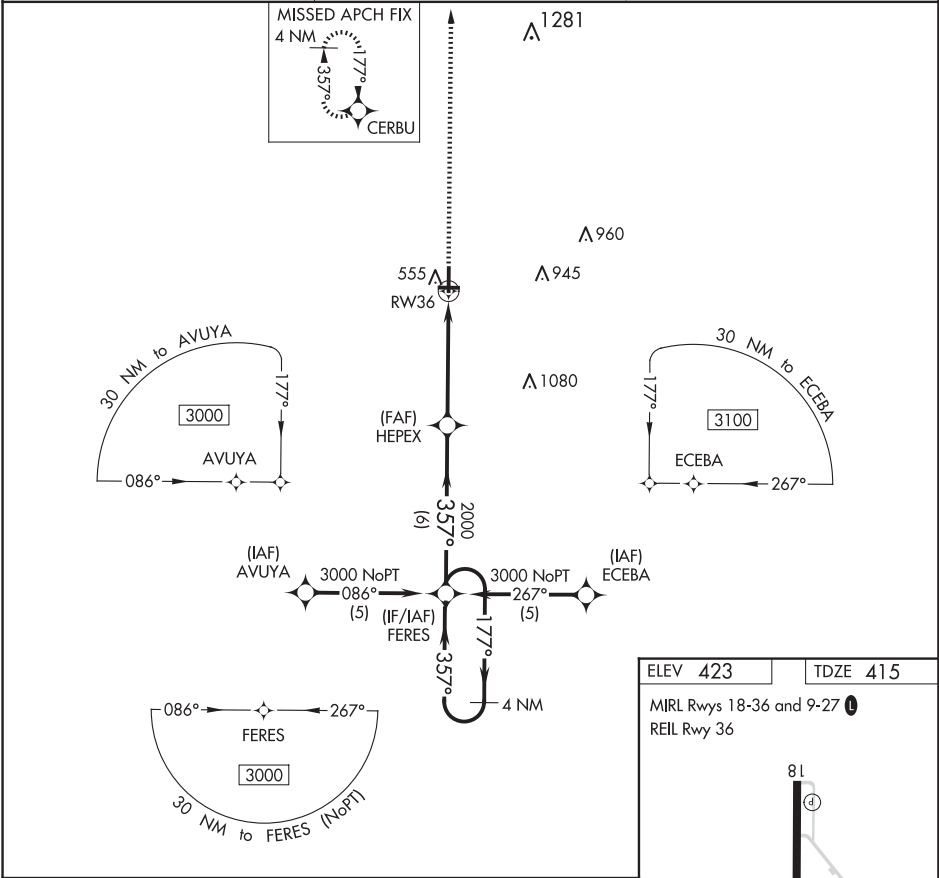
RNAV (GPS) RWY 36  
PALESTINE MUNI (PSN)

RNP APCH-GPS

VDP NA with C David Campbell Fld-Corsicana Muni altimeter setting. When local altimeter setting not received, use Corsicana altimeter setting and increase all MDAs 100 feet and visibility LNAV Cat C/D 1/8 SM and Circling Cat C 1/4 SM. Circling Rwy 9, 27 NA at night.

MISSED APPROACH: Climb to 2500 direct CERBU WP and hold.

AWOS-3PT 118.025	FORT WORTH CENTER 135.25 265.1	UNICOM 122.7 (CTAF) 0
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PALESTINE, TEXAS  
Amdt 1C 15JUL21

31°47'N-95°42'W

PALESTINE MUNI (PSN)  
RNAV (GPS) RWY 36

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

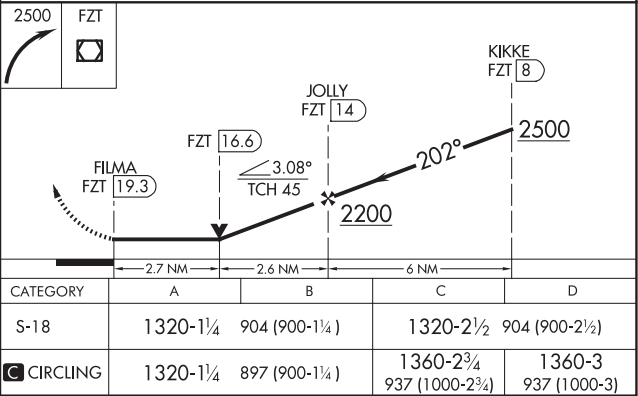
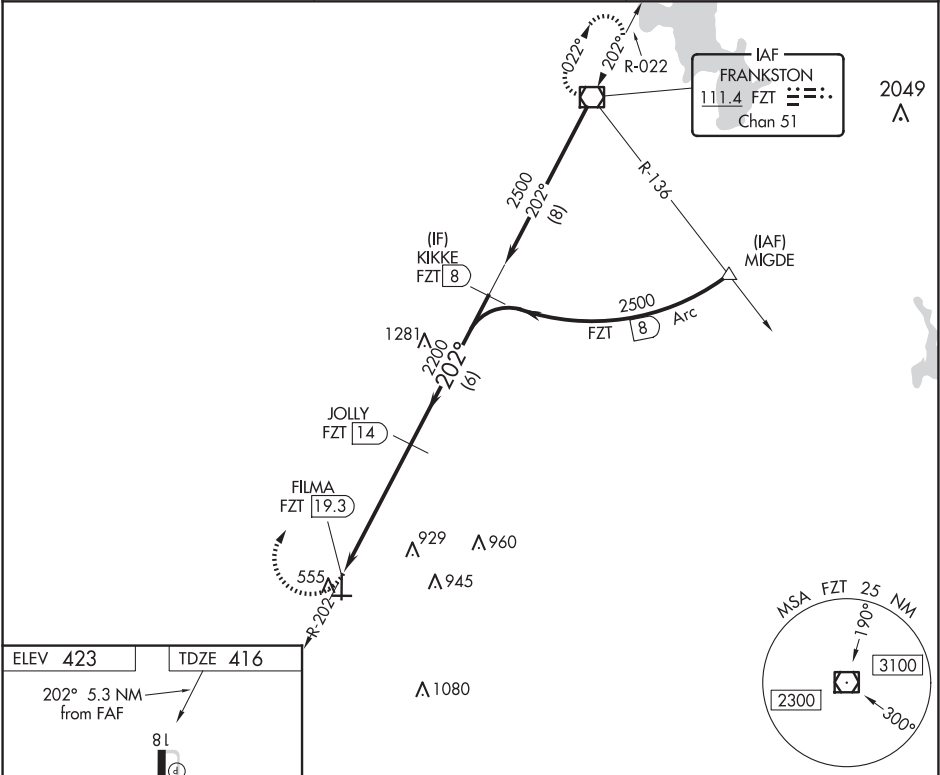
DME required.

NA

Rwy 18 helicopter visibility reduction below ¾ SM NA.

MISSING APPROACH: Climbing right turn to 2500 direct FZT VOR/DME and hold.

AWOS-3PT 118.025	FORT WORTH CENTER 135.25 265.1	UNICOM 122.7 (CTAF) 0
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SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

PORT LAVACA, TEXAS

AL-5904 (FAA)

23278

WAAS CH <b>53437</b> <b>W14A</b>	APP CRS <b>139°</b>	Rwy Idg TDZE <b>30</b> Apt Elev <b>32</b>	<b>5004</b>
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RNAV (GPS) RWY 14

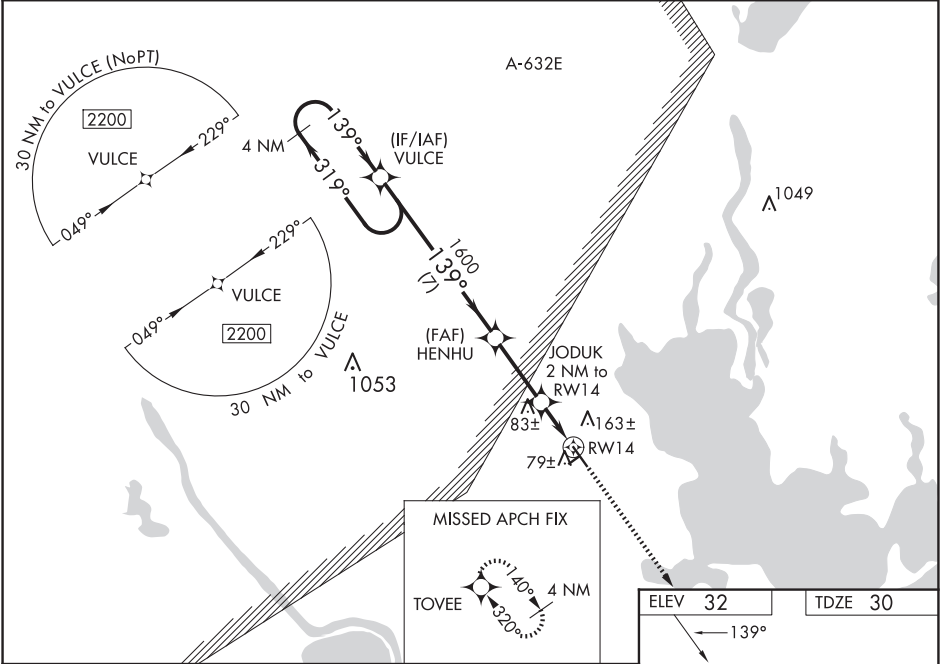
CALHOUN COUNTY (PKV)

RNP APCH - GPS.

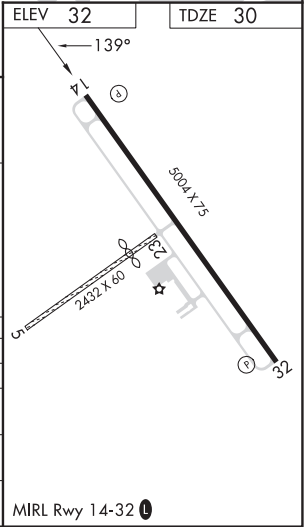
Baro-VNAV and VDP NA when using Victoria altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use Victoria altimeter setting and increase LPV DA and LNAV/VNAV DA to 331 feet and all visibilities 1/8 SM; increase all MDAs 60 feet and LNAV visibility Cat C 1/4 SM. Circling Rwy 32 NA at night. Circling NA to Rwys 5 and 23.

MISSED APPROACH:  
Climb to 2200 direct TOVEE and hold.

AWOS-3 <b>118.275</b>	HOUSTON CENTER <b>135.05 353.6</b>	UNICOM <b>122.8 (CTAF) 0</b>
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4 NM Holding Pattern		VULCE	HENHU	JODUK	2 NM to RWY 14	1.1 NM to RWY 14
2200		139°	1600	700	1.1 NM to RWY 14	1.1 NM to RWY 14
GP 3.00°		TCH 45°				
7 NM		2.8 NM	0.9 NM	1.1 NM		
CATEGORY	A	B	C	D		
LPV DA	280-3/4	250 (300-3/4)		NA		
LNAV/VNAV DA	280-3/4	250 (300-3/4)		NA		
LNAV MDA	440-1	410 (500-1)	440-1 1/8	410 (500-1 1/8)	NA	
CIRCLING	520-1	488 (500-1)	560-1 1/2	528 (600-1 1/2)	NA	



PORT LAVACA, TEXAS  
Amdt 2B 11AUG22

28°39'N-96°41'W

CALHOUN COUNTY (PKV)

RNAV (GPS) RWY 14

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025



PORT LAVACA, TEXAS

AL-5904 (FAA)

23278

WAAS CH <b>58037</b> <b>W32A</b>	APP CRS <b>319°</b>	Rwy Idg <b>5004</b> TDZE <b>30</b> Apt Elev <b>32</b>
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# RNAV (GPS) RWY 32

## CALHOUN COUNTY (PKV)

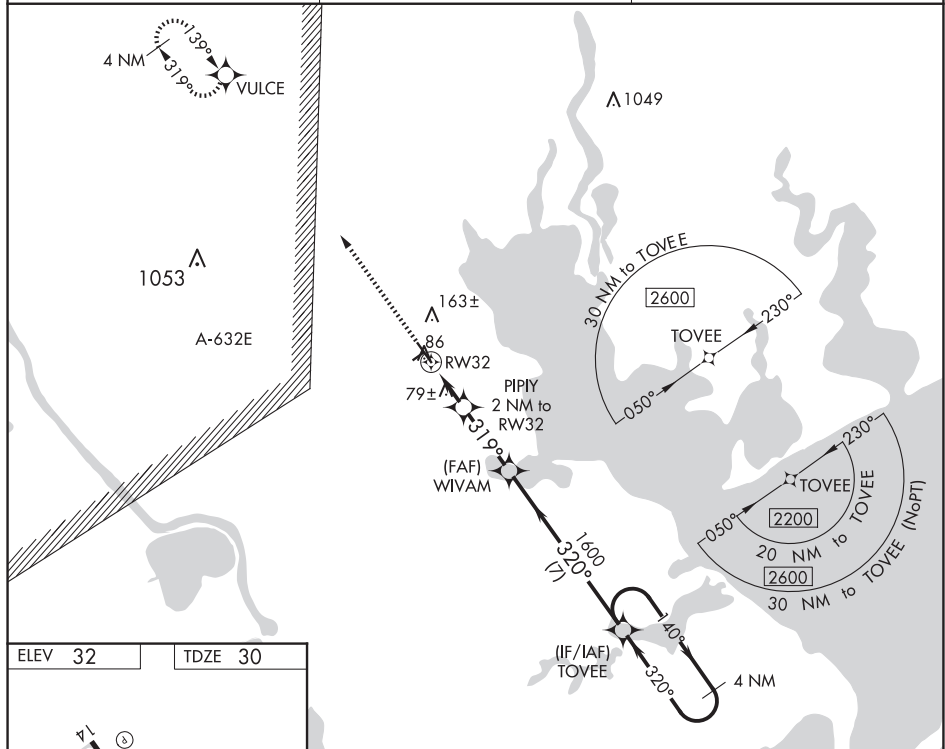
CALHOUN COUNTY (PKV)

RNP APCH - GPS.
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**T** When local altimeter setting not received, use Victoria altimeter setting and increase all MDAs 60  
**A** feet and LNAV visibility Cat C  $\frac{1}{4}$  SM and LP visibility Cat C  $\frac{1}{8}$  SM. Rwy 32 helicopter visibility  
reduction below 1 SM NA. Straight-In Rwy 32 NA at night, Circling Rwy 32 NA at night.

**MISSED APPROACH:**  
Climb to 2200 direct  
VULCE and hold.

AWOS-3 <b>118.275</b>	HOUSTON CENTER <b>135.05 353.6</b>	UNICOM <b>122.8</b> (CTAF) <b>①</b>
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CATEGORY	A	B	C	D
LP MDA	340-1	310 (400-1)	340-7/8 310 (400-7/8)	NA
LNAV MDA	400-1		370 (400-1)	NA
<b>C</b> CIRCLING	520-1	488 (500-1)	560-1 1/2 528 (600-1 1/2)	NA

PORT LAVACA, TEXAS

Orig-B 11AUG22

CAIHOUN COUNTY(PKV)

## RNAV (GPS) RWY 32

28°39'N-96°41'W

559

SC-5, 07 AUG 2025 to 02 OCT 2025

PORT LAVACA, TEXAS

AL-5904 (FAA)

23278

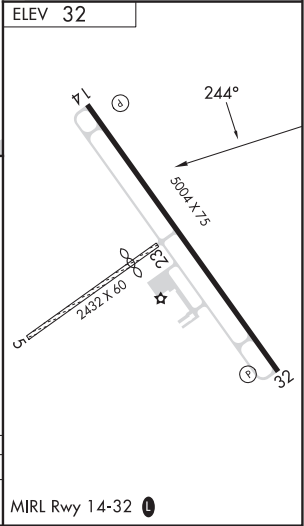
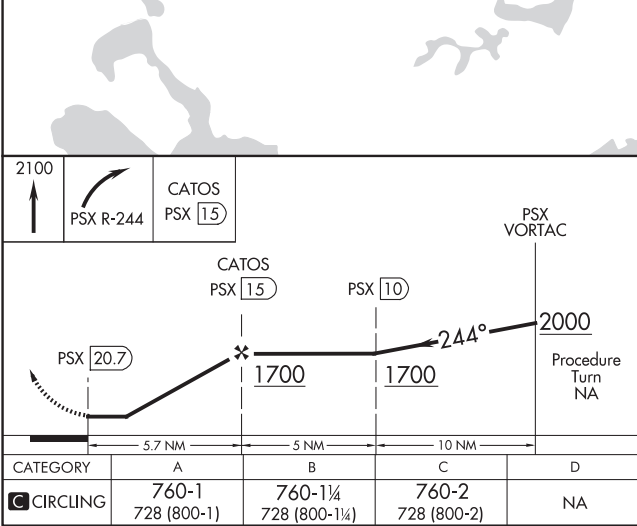
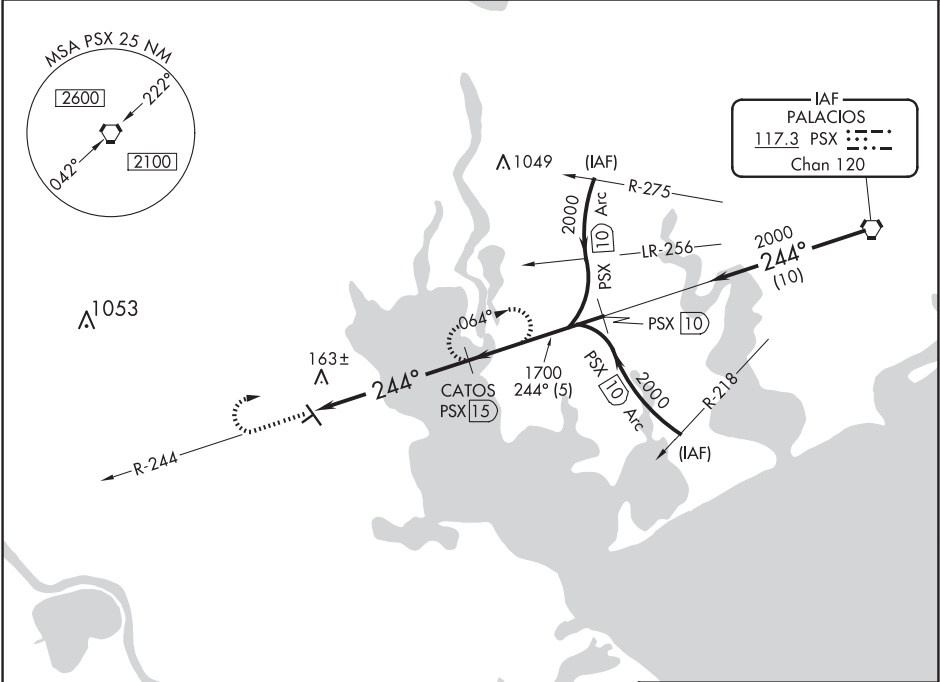
VORTAC PSX <b>117.3</b> Chan <b>120</b>	APP CRS <b>244°</b>	Rwy Idg TDZE Apt Elev <b>N/A</b> <b>N/A</b> <b>32</b>
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**VOR/DME-A**  
CALHOUN COUNTY (PKV)

**⚠** When local altimeter setting not received, use Victoria altimeter setting. Circling NA to Rwys 5 and 23. Night landing: Rwy 32 NA.

**MISSED APPROACH:** Climb to 2100, then right turn via PSX VORTAC R-244 to CATOS/PSX 15 DME and hold.

AWOS-3 <b>118.275</b>	HOUSTON CENTER <b>135.05 353.6</b>	UNICOM <b>122.8</b> (CTAF) <b>0</b>
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PORT LAVACA, TEXAS  
Amdt 4D 08OCT20

28°39'N-96°41'W

CALHOUN COUNTY (PKV)  
**VOR/DME-A**

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

DME required. RADAR required for TACAN aircraft.

V

A

VDP NA when using PKV altimeter setting.  
For inop ALS, increase S-ILS 13 Cat E visibility to ¾ SM and S-LOC 13 Cat E visibility to 1 SM.

MALSR

A5

MISSED APPROACH: Climb to 2100 then left turn direct VCT VOR/DME and hold. (TACAN aircraft climb to 2100 then left turn on heading 120° and on PSX VORTAC R-260 to GUDNY/PSX 14 DME and hold W, RT, 080° inbound).

ATIS 119.025	HOUSTON CENTER 135.05 353.6	VICTORIA TOWER ★ 126.075 (CTAF) 257.95	GND CON 120.525 239.25	UNICOM 122.7
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ELEV 115		D		TDZE 115	
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CATEGORY	A	B	C	D	E
S-ILS 13	315-½ 200 (200-½)				
S-LOC 13	440-½ 325 (400-½)				
CIRCLING	580-1 465 (500-1)	820-2 705 (800-2)	880-2½ 765 (800-2½)	NA	

MIRL Rwy 18-36

REIL Rwy 18 and 36

HIRL Rwy 13-31

VICTORIA, TEXAS

Orig-B 07AUG25

28°51'N-96°55'W

561

VICTORIA RGNL (VCT)

ILS or LOC RWY 13

VICTORIA, TEXAS

AL-438 (FAA)

25219

WAAS CH <b>86245</b> <b>W13A</b>	APP CRS <b>128°</b>	Rwy Ldg <b>9111</b> TDZE <b>115</b> Apt Elev <b>115</b>
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# RNAV (GPS) RWY 13

VICTORIA RGNL (VCT)

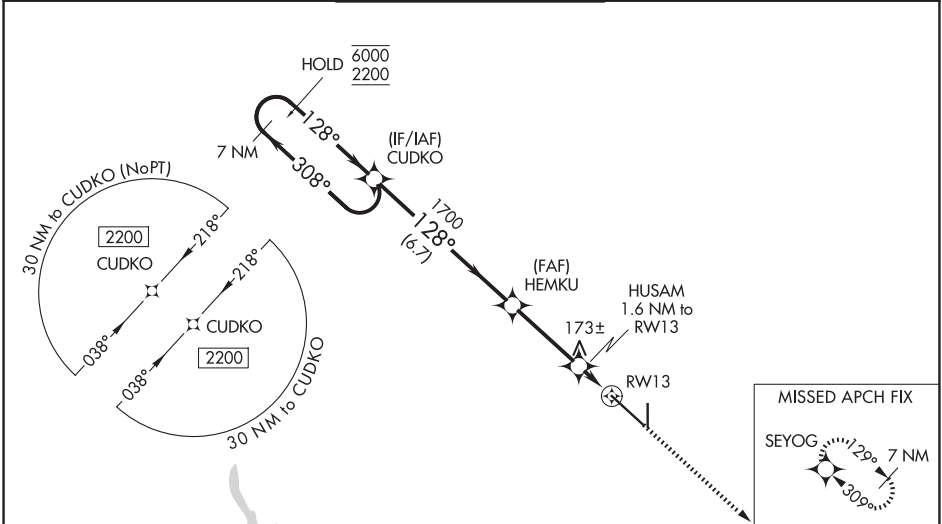
RNP APCH-GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. For inop ALS, increase LPV Cat E and LNAV/VNAV all Cats visibility to ¾ SM and LNAV Cat E visibility to 1 SM.

MALSR

MISSED APPROACH:  
Climb to 2200 direct  
SEYOG and hold.

ATIS <b>119.025</b>	HOUSTON CENTER <b>135.05 353.6</b>	VICTORIA TOWER ★ <b>126.075 (CTAF) 257.95</b>	GND CON <b>120.525 239.25</b>	UNICOM <b>122.7</b>
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ELEV 115

**D**

TDZE 115

7 NM Holding Pattern

CUDKO

HEMKU

HUSAM 1.6 NM to RWY 13

0.9 NM to RWY 13

RWY 13

660

1700

308°

128°

128°

GP 3.00°

TCH 53

2200

SEYOG

9111 X 150

TWR

81

4908 X 75

36

CATEGORY	A	B	C	D	E
LPV DA		315-½	200 (200-½)		
LNAV/VNAV DA		365-½	250 (300-½)		
LNAV MDA		440-½	325 (400-½)		
CIRCLING	580-1	465 (500-1)	820-2 705 (800-2)	880-2 ½ 765 (800-2 ½)	NA

MIRL Rwy 18-36  
REIL Rwy 18 and 36  
HIRL Rwy 13-31 **D**

VICTORIA, TEXAS  
Orig-A 27JAN22

28°51'N-96°55'W

# RNAV (GPS) RWY 13

SC-5, 07 AUG 2025 to 02 OCT 2025

SC-5, 07 AUG 2025 to 02 OCT 2025

WAAS CH <b>45545</b> <b>W31A</b>	APP CRS <b>308°</b>	Rwy Ldg <b>9111</b> TDZE <b>106</b> Apt Elev <b>115</b>
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RNAV (GPS) RWY 31

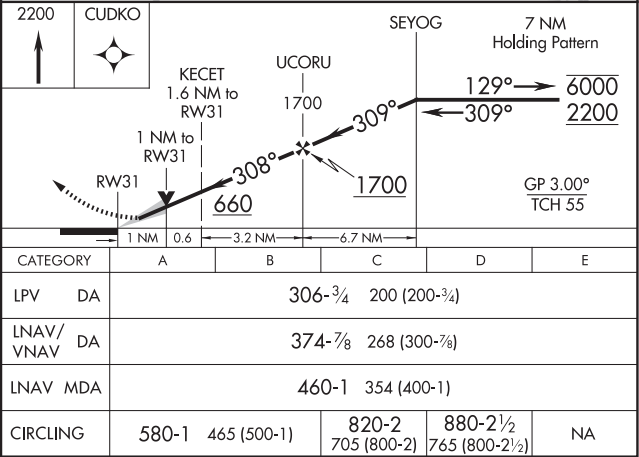
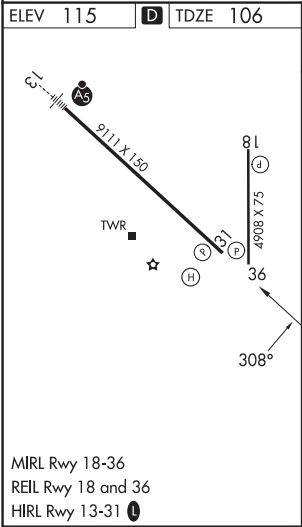
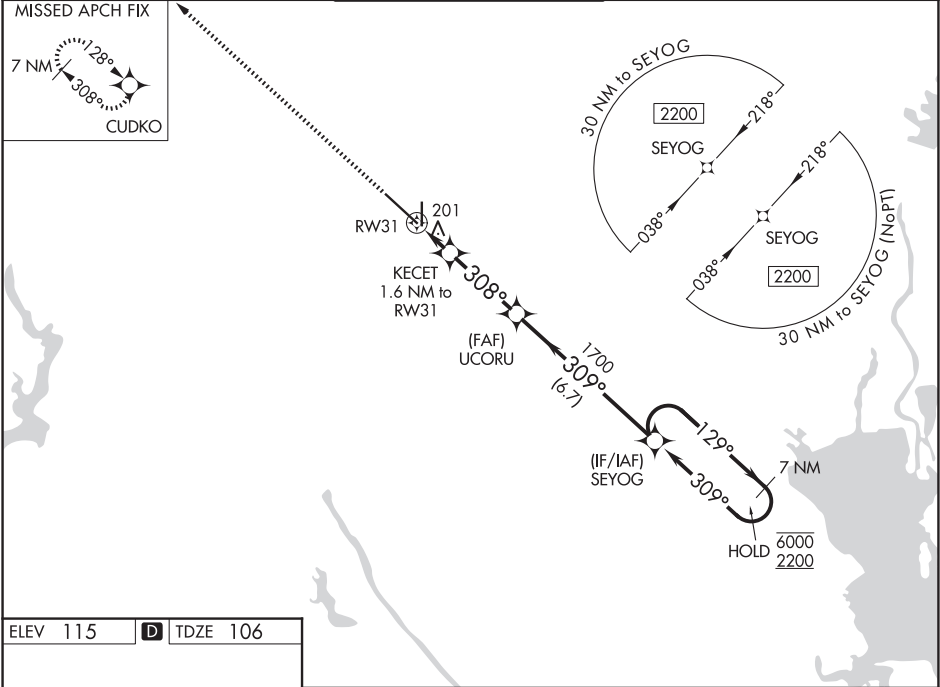
VICTORIA RGNL (VCT')

RNP APCH-GPS.

For uncompensated Baro-VNAV systems, procedure NA below -15°C or above 54°C.

MISSED APPROACH:  
Climb to 2200 direct  
CUDKO and hold.

ATIS <b>119.025</b>	HOUSTON CENTER <b>135.05 353.6</b>	VICTORIA TOWER ★ <b>126.075 (CTAF) 0 257.95</b>	GND CON <b>120.525 239.25</b>	UNICOM <b>122.7</b>
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VOR RWY 13  
VICTORIA RGNL (VCT)

For inop ALS, increase Cat C/D/E visibility to  $1\frac{3}{8}$  SM.

MALSR



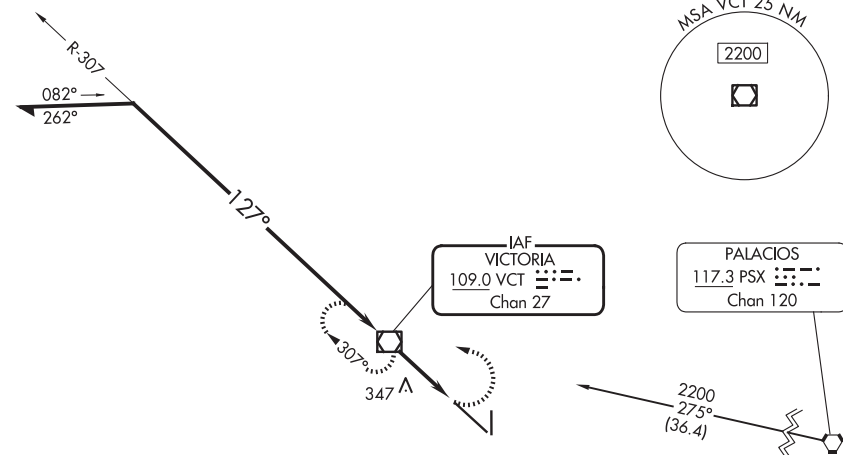
**MISSED APPROACH:**  
Climbing left turn to 2200  
direct VCT VOR/DME and  
hold, continue climb-in-hold  
to 2200.

ATIS  
119.025

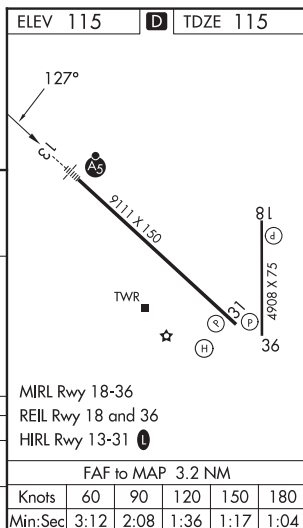
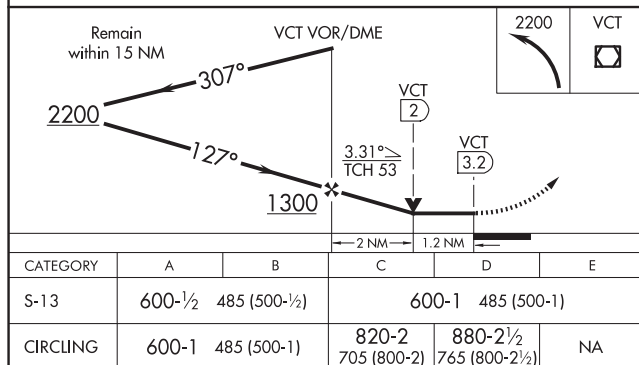
HOUSTON CENTER  
135.05 353.6

VICTORIA TOWER ★  
126.075 (CTAF) **L** 257.95

GND CON  
120.525 239.25

UNICOM  
122.7

Procedure NA for arrival on PSX VORTAC  
airway radials 218 CW 233.



VICTORIA, TEXAS  
Orig-A 27JAN22

28°51'N-96°55'W

VICTORIA RGNL (VCT)  
VOR RWY 13

SC-5, 07 AUG 2025 to 02 OCT 2025

VOR/DME VCT	APP CRS	Rwy Ldg	9111
109.0	307°	TDZE	106
Chan 27		Apt Elev	115

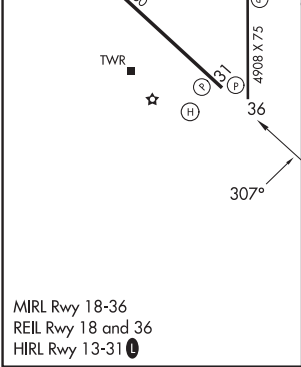
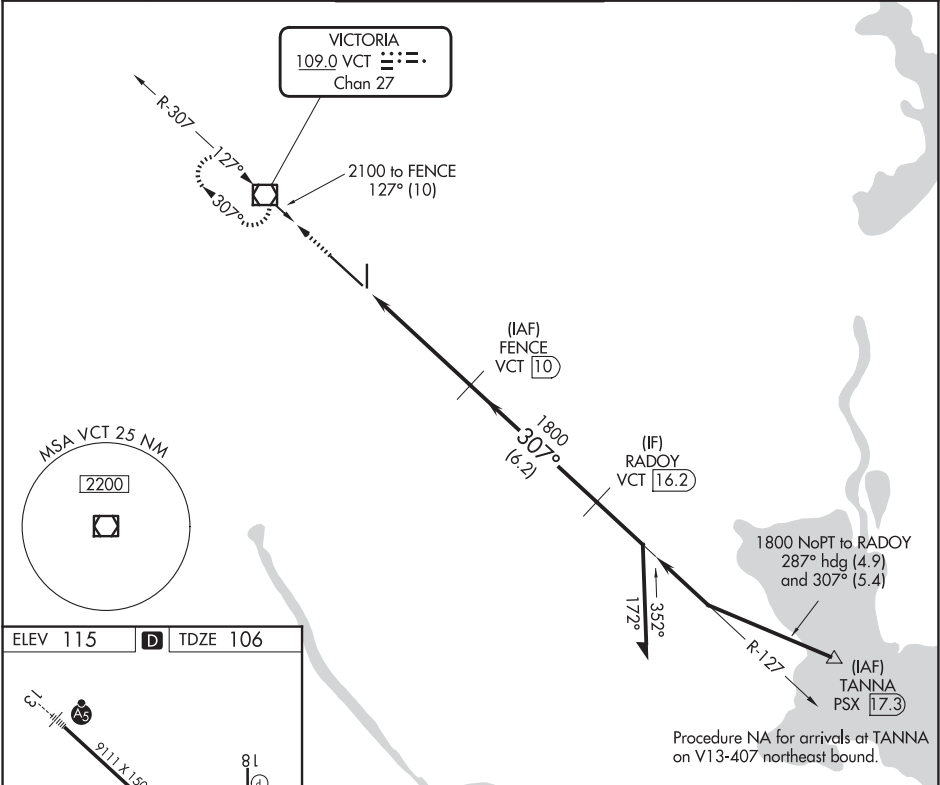
VOR RWY 31  
VICTORIA RGNL (VCT)



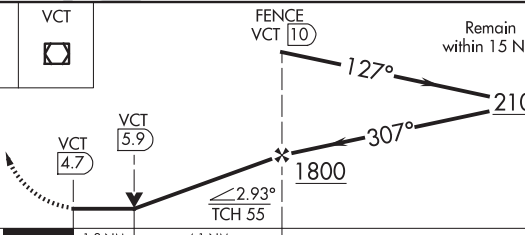
DME required.



MISSED APPROACH: Climb to 2000 direct VCT VOR/DME and hold.

ATIS 119.025	HOUSTON CENTER 135.05 353.6	VICTORIA TOWER ★ 126.075 (CTAF) 257.95	GND CON 120.525 239.25	UNICOM 122.7
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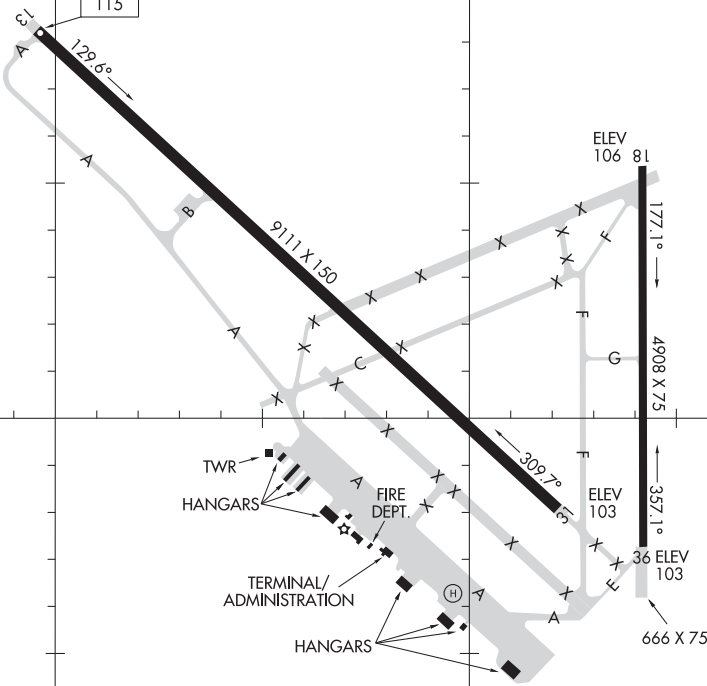
2000	VCT	FENCE VCT 10				Remain within 15 NM	
						2100	
VCT 4.7		VCT 5.9		1800			
1.2 NM		4.1 NM		2.93° TCH 55			
CATEGORY	A		B		C	D	E
S-31	540-1		434 (500-1)		540-1¼ 434 (500-1¼)		
CIRCLING	580-1		465 (500-1)		820-2 705 (800-2)	880-2½ 765 (800-2½)	NA

ATIS  
119.025  
VICTORIA TOWER ★  
126.075 257.95  
GND CON  
120.525 239.25

RWY 13-31  
S-28, D-49, 2S-64, 2D-87  
RWY 18-36  
S-28, D-49, 2D-87

JANUARY 2025  
ANNUAL RATE OF CHANGE  
0.1° W

FIELD  
ELEV  
115



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBCK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



WAAS CH <b>77714</b> <b>W14A</b>	APP CRS <b>148°</b>	Rwy Idg <b>5004</b> TDZE <b>100</b> Apt Elev <b>100</b>
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RNAV (GPS) RWY 14  
WHARTON RGNL (ARM)

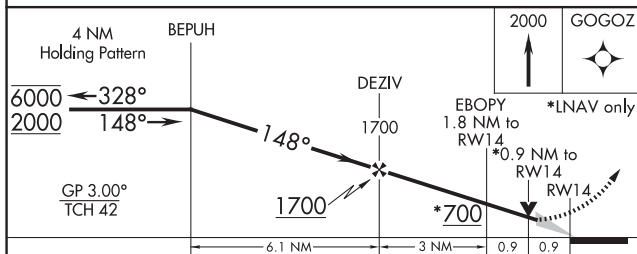
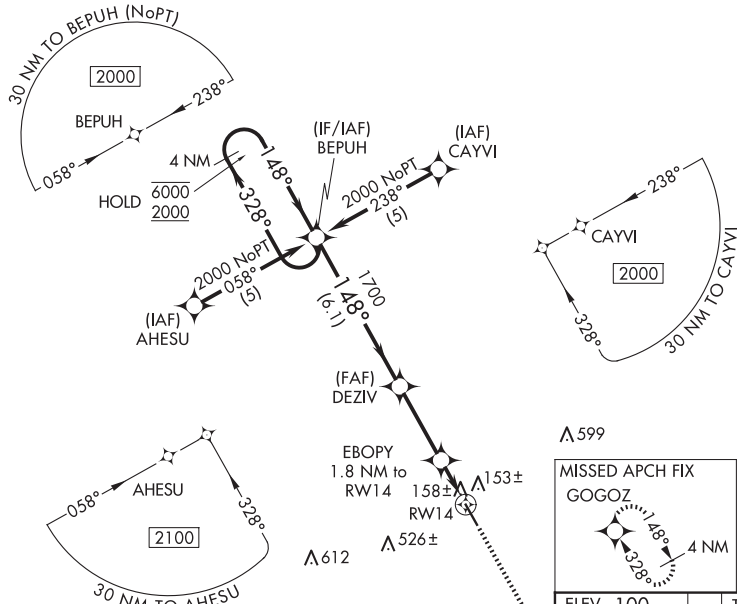
RNP APCH.



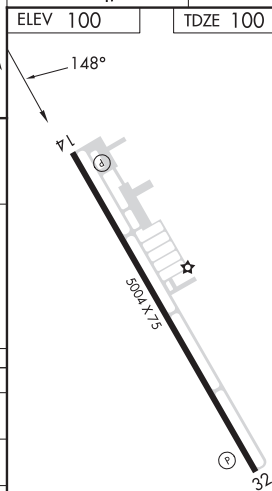
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C.

**MISSED APPROACH:** Climb to 2000 direct GOGOZ and hold.

AWOS-3 <b>118.475</b>	HOUSTON CENTER <b>128.6 360.8</b>	UNICOM <b>122.7 (CTAF) 0</b>
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CATEGORY	A	B	C	D
LPV DA	396-1	296 (300-1)		NA
LNAV/VNAV DA	428-1½	328 (400-1½)		NA
LNAV MDA	420-1	320 (400-1)		NA



WHARTON, TEXAS

AL-6032 (FAA)

23166

WAAS CH <b>58114</b> <b>W32A</b>	APP CRS <b>328°</b>	Rwy Idg TDZE <b>99</b> Apt Elev <b>100</b>	<b>5004</b>
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# RNAV (GPS) RWY 32

WHARTON RGNL (A.R.M)

RNP APCH.



For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C.

MISSED APPROACH: Climb to 2000 direct BEPUH and hold.

AWOS-3  
**118.475**

HOUSTON CENTER  
**128.6 360.8**

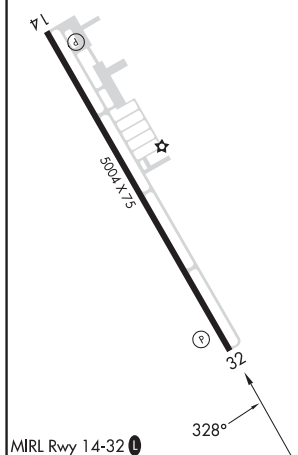
UNICOM  
**122.7 (CTAF) 0**

MISSED APCH FIX



ELEV 100

TDZE 99



MIRL Rwy 14-32 0

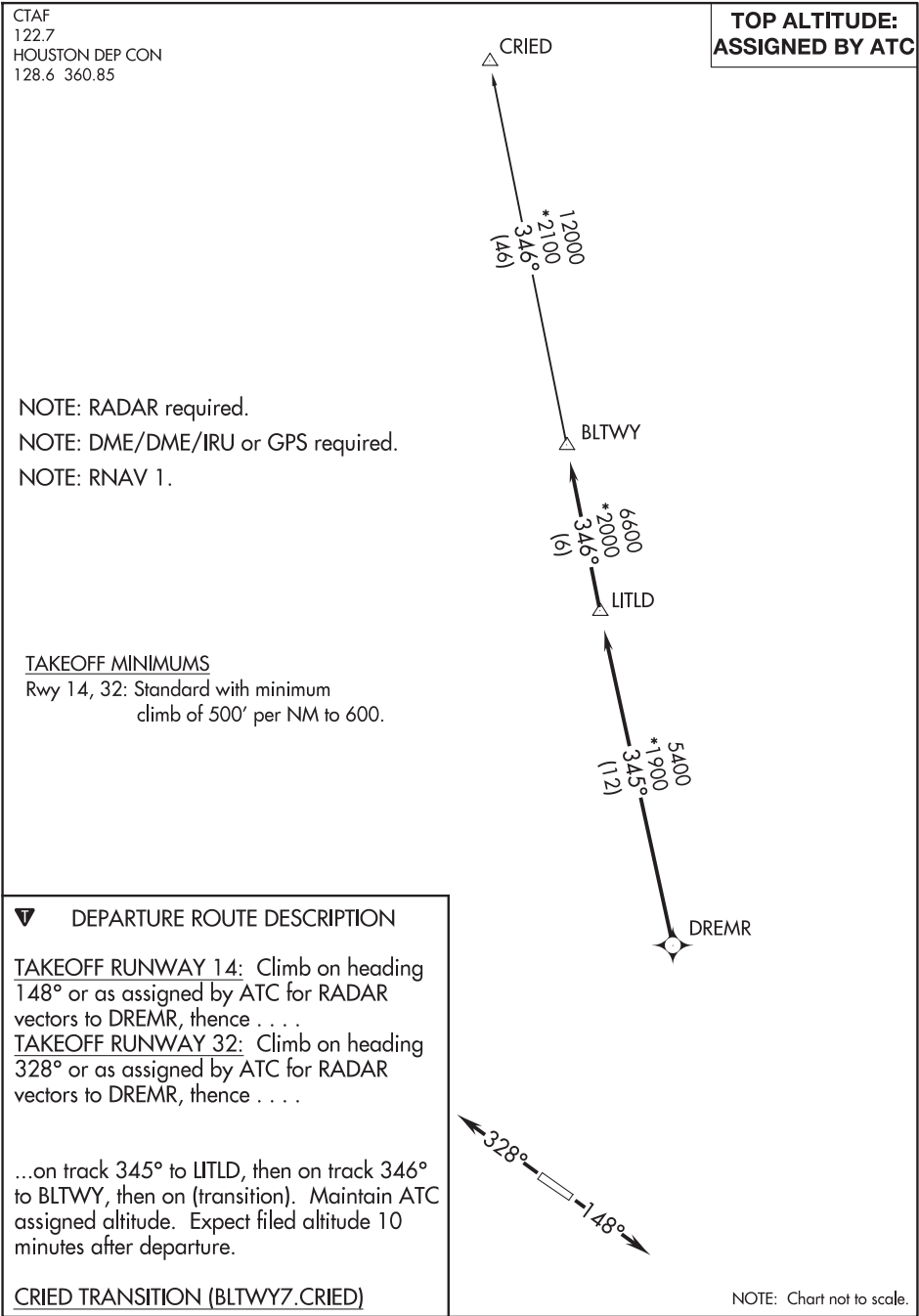
2000		BEPUH		IDFIN		GOGOZ		4 NM Holding Pattern	
*LNAV only		JIBGA 1.8 NM to RW32		1700		328°		6000/2000	
*1 NM to RW32		RW32		700*		1700		GP 3.00° TCH 42	
1 NM		0.8		3 NM		6.1 NM			
CATEGORY	A		B		C		D		
LPV DA	349-1		250 (300-1)				NA		
LNAV/VNAV DA	399-1		300 (300-1)				NA		
LNAV MDA	460-1		361 (400-1)				NA		

WHARTON, TEXAS

Orig-B 07NOV19

29°15'N-96°09'W

WHARTON RGNL (A.R.M)  
RNAV (GPS) RWY 32



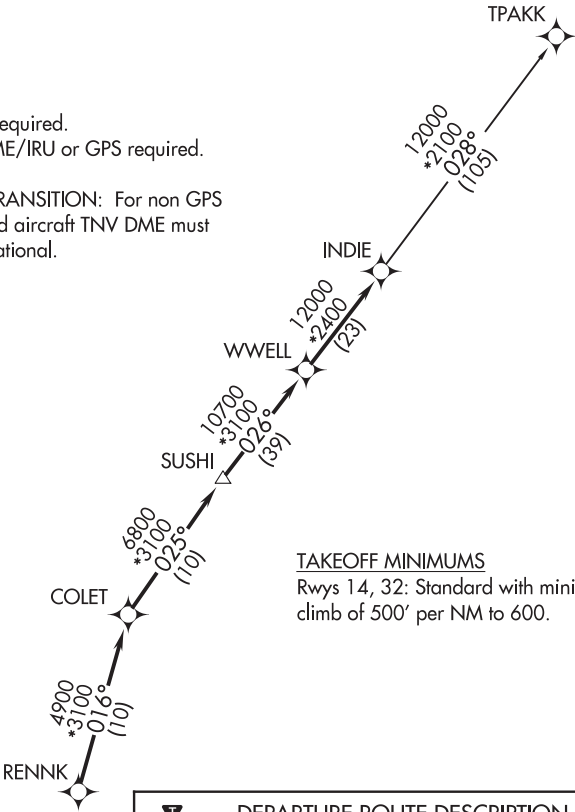
(INDIE8.INDIE) 21336

INDIE EIGHT DEPARTURE (RNAV)

AWOS-3  
118.475  
CTAF  
122.7  
HOUSTON CENTER  
128.6 360.8

TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.  
NOTE: TPAKK TRANSITION: For non GPS  
equipped aircraft TNV DME must  
be operational.



TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum  
climb of 500' per NM to 600.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 148° to 600  
for RADAR vectors to RENNK, thence . . .  
TAKEOFF RUNWAY 32: Climb on heading 328° to 600  
for RADAR vectors to RENNK, thence . . .  
. . . on track 016° to COLET, then on track 025° to  
SUSHI, then on track 026° to WWELL, then on track  
026° to INDIE, then on (transition). Maintain ATC  
assigned altitude. Expect filed altitude 10 minutes after  
departure.

TPAKK TRANSITION (INDIE8.TPAKK)

NOTE: Chart not to scale.

INDIE EIGHT DEPARTURE (RNAV)

(INDIE8.INDIE) 07OCT21

AWOS-3  
118.475  
CTAF  
122.7  
HOUSTON DEP CON  
128.6 360.85

**TOP ALTITUDE: ASSIGNED BY ATC**

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.

## TAKEOFF MINIMUMS

Rwys 14, 32: Standard with minimum climb of 500' per NM to 600.

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb on heading 148° to 600 for RADAR vectors to KNTKY, thence . . .

**TAKEOFF RUNWAY 32:** Climb on heading 328° to 600 for RADAR vectors to KNTKY, thence . . .

... on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

## ORRTH TRANSITION (LURIC8.ORRTH)

NOTE: Chart not to scale.

LURIC EIGHT DEPARTURE (RNAV)  
(LURIC8.LURIC) 07OCT21

WHARTON, TEXAS  
WHARTON RGNL(ARM)

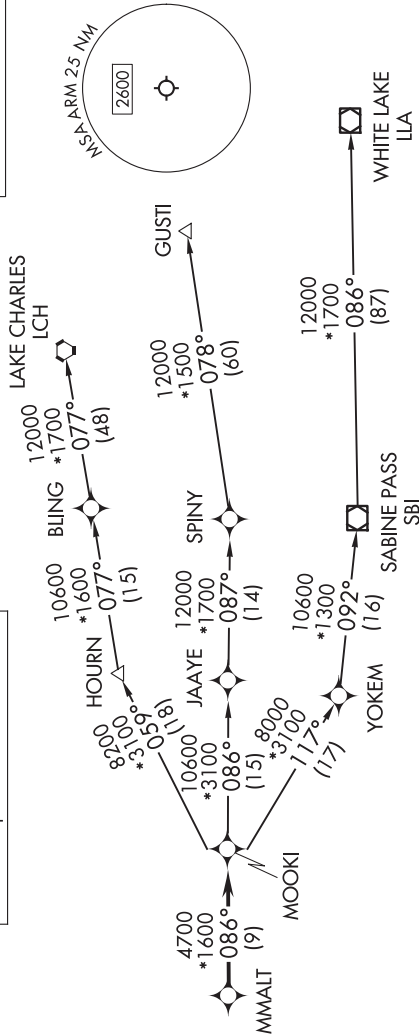
HOUSTON DEP CON  
128.6 360.85

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

(MMALT7.MMALT) 233334  
MMALT SEVEN DEPARTURE (RNAV)

572  
AL-6032 (FAA)

WHARTON RGNL (ARM)  
WHARTON, TEXAS



TOP ALTITUDE:  
ASSIGNED BY ATC

NOTE: GUSTI and LCH Transitions ATC assigned only for aircraft departing AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41 and 54T.

DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 14:** Climb on heading 148° to 600, for RADAR vectors to MMALT, thence. . . .  
**TAKEOFF RUNWAY 32:** Climb on heading 328° to 600, for RADAR vectors to MMALT, thence. . . .  
. . . . on track 086° to MOOKI, then on (transition). Maintain ATC assigned altitude.  
Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMALT7.GUSTI)  
LAKE CHARLES TRANSITION (MMALT7.LCH)  
WHITE LAKE TRANSITION (MMALT7.LLA)

**TAKEOFF MINIMUMS**  
Rwys 14, 32: Standard with minimum  
climb of 500' /NM to 600.

NOTE: Chart not to scale.

MMALT SEVEN DEPARTURE (RNAV)  
(MMALT7.MMALT) 30NOV23

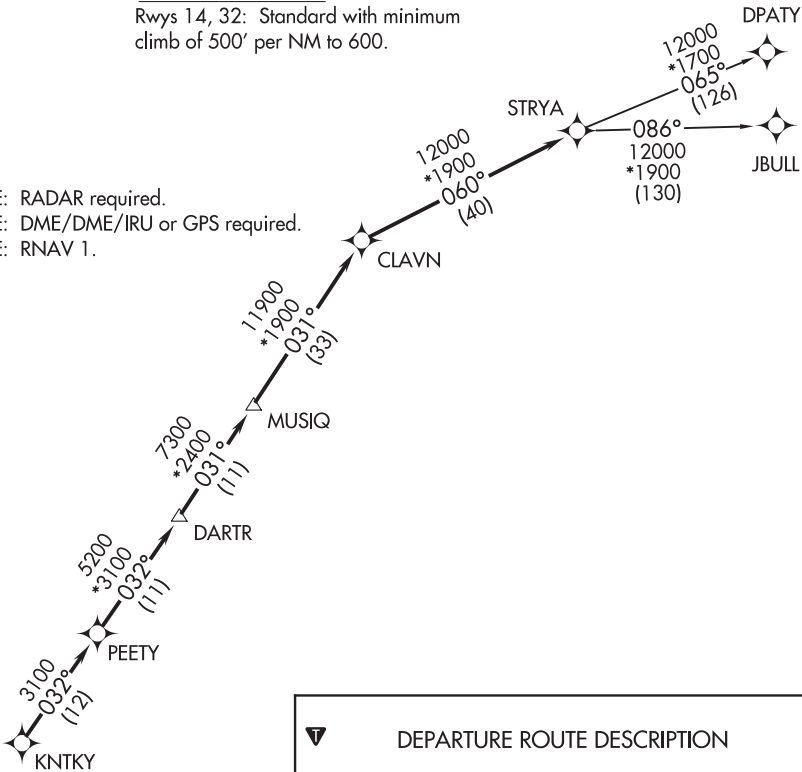
WHARTON, TEXAS  
WHARTON RGNL (ARM)

AWOS-3  
118.475  
CTAF  
122.7  
HOUSTON CENTER  
128.6 360.85

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS  
Rwys 14, 32: Standard with minimum  
climb of 500' per NM to 600.

NOTE: RADAR required.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: RNAV 1.



DEPARTURE ROUTE DESCRIPTION

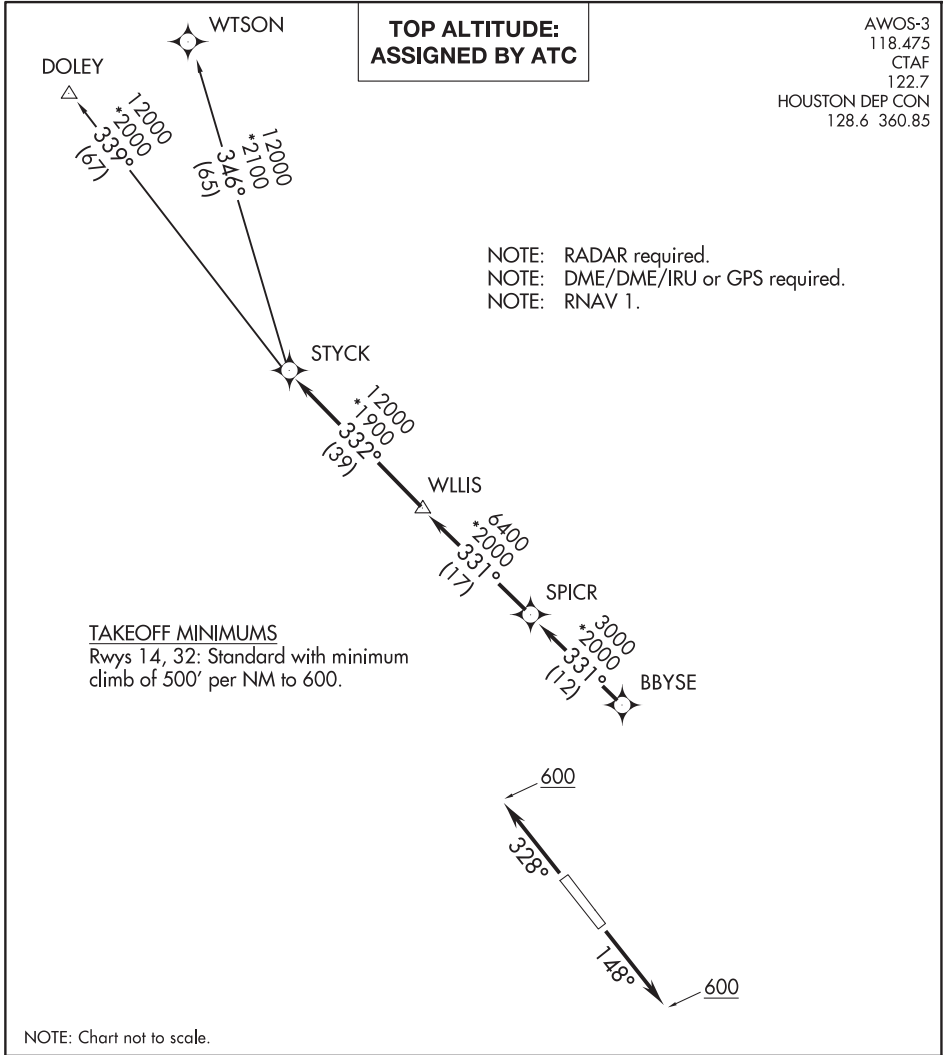
TAKEOFF RUNWAY 14: Climb on heading 148° to 600 for RADAR vectors to KNTKY, thence. . . .  
TAKEOFF RUNWAY 32: Climb on heading 328° to 600 for RADAR vectors to KNTKY, thence. . . .  
. . . .on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)  
JBULL TRANSITION (STRYA8.JBULL)

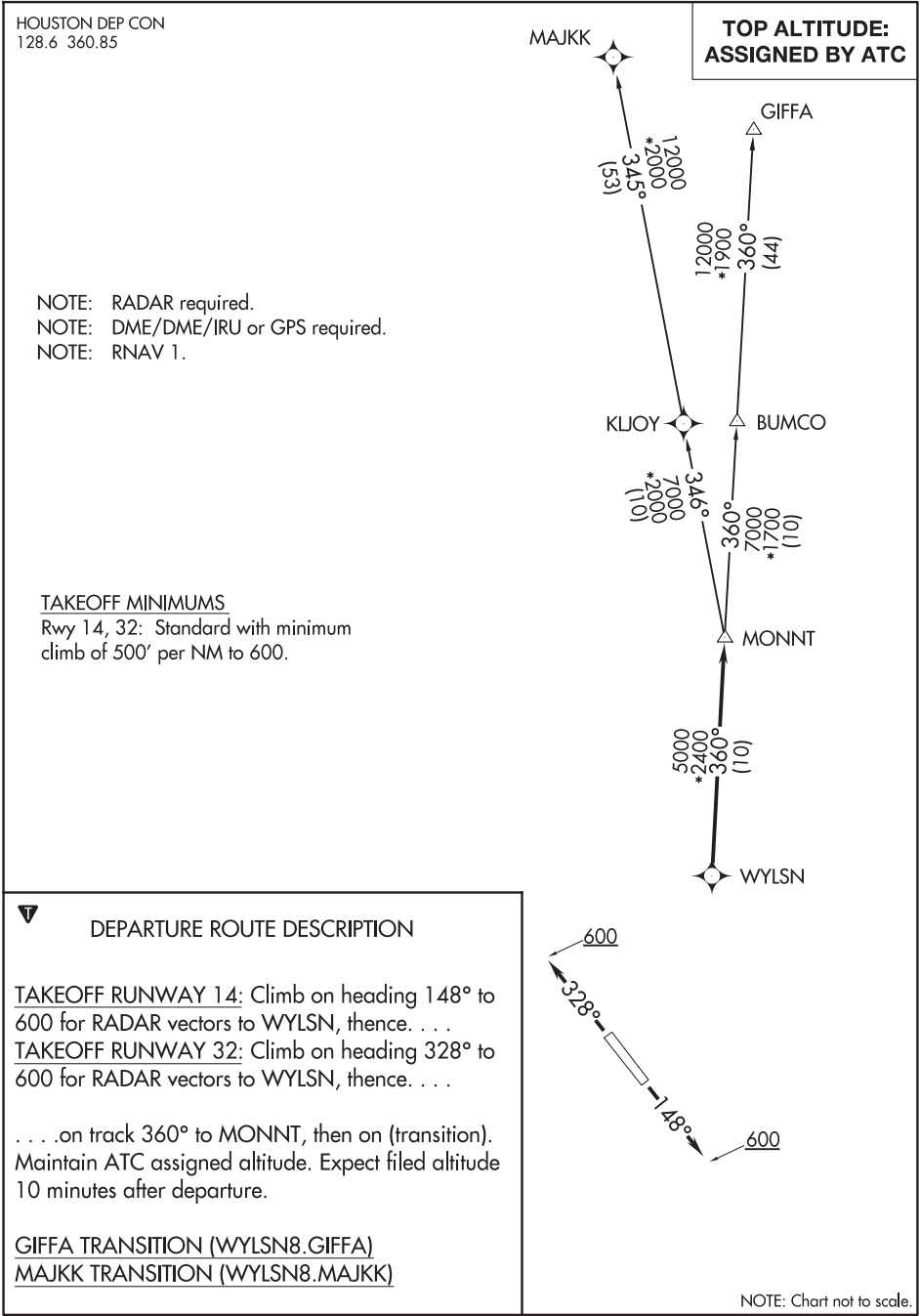
NOTE: Chart not to scale.

STYCK EIGHT DEPARTURE (RNAV)

WHARTON, TEXAS







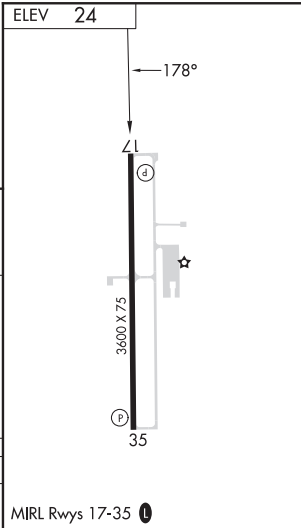
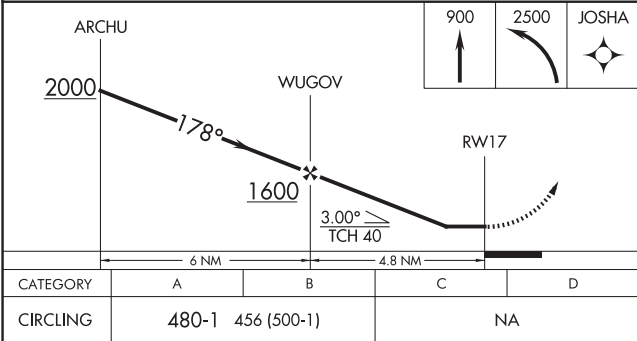
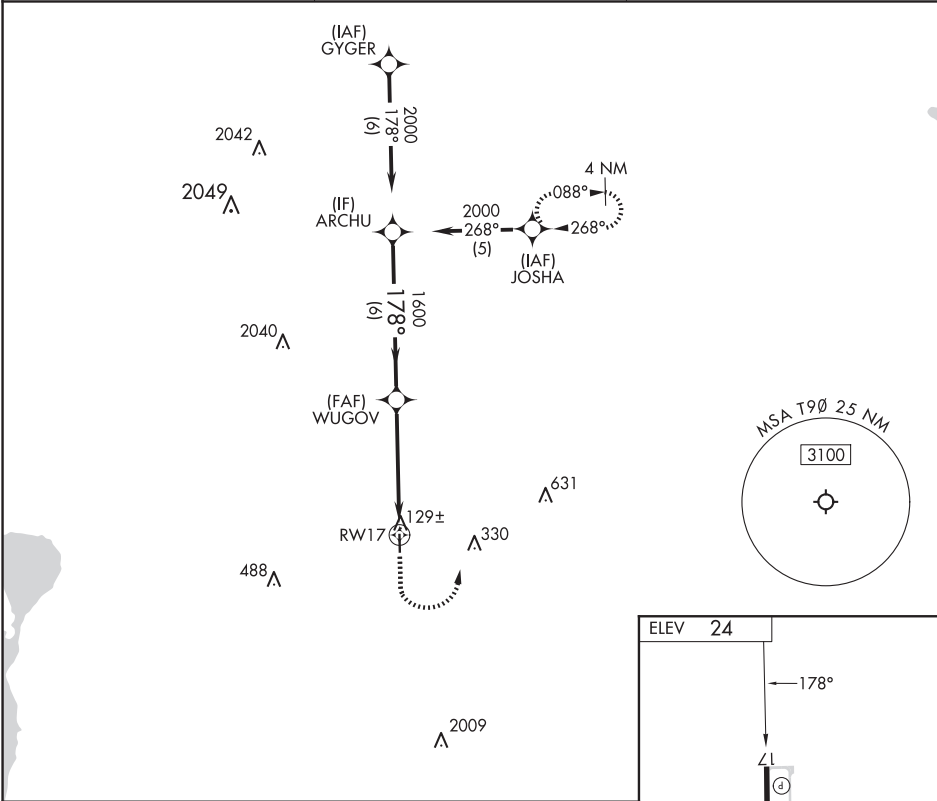
APP CRS	Rwy Idg	NA
178°	TDZE	NA
	Apt Elev	24

RNAV (GPS)-A

CHAMBERS COUNTY/WINNIE STOWELL (T9Ø)

RNP APCH - GPS.	Procedure NA at night. Rwy 17 and 35 helicopter visibility reduction below 1 SM NA. Use Beaumont altimeter setting; when not received, use Liberty altimeter setting and increase all MDAs 20 feet.	MISSED APPROACH: Climb to 900 then climbing left turn to 2500 direct JOSHUA and hold.
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BMT AWOS-3PT 118.425	HOUSTON APP CON 121.3 377.1	CTAF 122.9 0
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INSIDE BACK COVER

INTENTIONALLY

LEFT

BLANK

The map displays the contiguous United States divided into 20 regions based on latitude and longitude. The regions are labeled as follows:

- NW-1:** Washington, Oregon, Idaho, Montana, Wyoming, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SW-2:** California, Nevada, Utah, Colorado, Arizona, New Mexico, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SW-3:** California, Nevada, Utah, Colorado, Arizona, New Mexico, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SW-4:** California, Nevada, Utah, Colorado, Arizona, New Mexico, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- EC-1:** Michigan, Indiana, Ohio, Pennsylvania, New York, Vermont, New Hampshire, Maine, Connecticut, Rhode Island, Massachusetts, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- EC-2:** Michigan, Indiana, Ohio, Pennsylvania, New York, Vermont, New Hampshire, Maine, Connecticut, Rhode Island, Massachusetts, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- EC-3:** Michigan, Indiana, Ohio, Pennsylvania, New York, Vermont, New Hampshire, Maine, Connecticut, Rhode Island, Massachusetts, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- NC-1:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- NC-2:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- NC-3:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- NC-4:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SE-1:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SE-2:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SE-3:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SE-4:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SC-1:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SC-2:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SC-3:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SC-4:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.
- SC-5:** North Carolina, South Carolina, Georgia, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona, Nevada, Utah, Colorado.

The map also includes a legend titled "AREA OF COVERAGE" and a scale bar indicating distances in miles and kilometers.



NGA REF. NO. OK-10-2859 **TERMXFAABTPPSC5**

