Federal Aviation Administration

TM

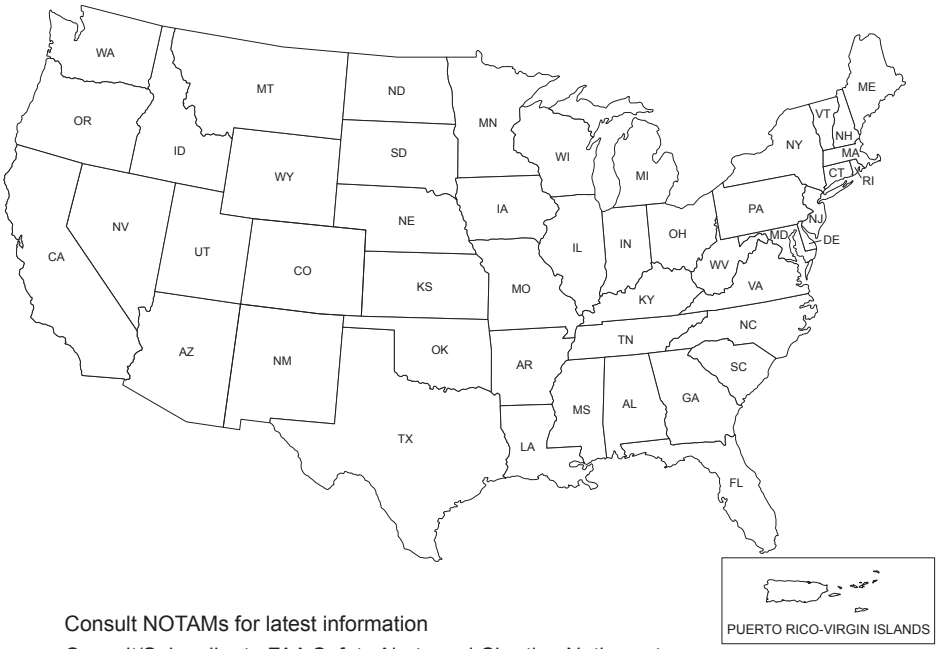
U.S. Terminal Procedures Publication Change Notice (CN)

Effective: 0901Z

08 OCT 2020

to: 0901Z

05 NOV 2020



Consult NOTAMs for latest information

Consult/Subscribe to FAA Safety Alerts and Charting Notices at:

http://www.faa.gov/air_traffic/flight_info/aeronav/safety_alerts/

Published from digital files compiled in accordance with Interagency Air Committee specifications and agreements approved by

Department of Defense - Federal Aviation Administration

GENERAL INFORMATION/INSTRUCTIONS

CHANGE NOTICE (CN) FOR UNITED STATES GOVERNMENT

TERMINAL PROCEDURES PUBLICATION

GENERAL : The United States Terminal Procedures are published in 25 Bound Volumes on a 56-day cycle. This CN is published at the mid 28-day point and contains revisions, additions and deletions to the last complete issue of the 24 volumes covering the conterminous U.S. There is no CN published for airports in the states of Alaska, Hawaii, or Pacific Islands.

OPERATIONAL USE OF THE CHANGE NOTICE : During flight planning or in the case of an in-flight diversion, it is imperative that the pilot first consult this CN before making any decision as to which procedures are current at the airport of intended landing. If the airport of intended landing is not listed in the supplementary information or Index of Charts then the airport information in the basic 24 volumes has not changed.

INDEX OF TERMINAL PROCEDURES : All civil airports which have revised, added or deleted procedures are listed alphabetically by city in the Index. In addition to the airport name, the Index includes the CN page number, the current procedure designation, the affected page and volume number in the last issue of the 24 conterminous US volumes and an indicaton whether the procedure is new, has been deleted, or replaces an existing procedure.

EFFECTIVE DATES: All procedures in this CN are effective on the dates shown on the front cover unless indicated otherwise in the Index, i.e., if the procedure revision is effective on a date other than the CN publication date, this will be noted in the Index instructions by "Effective (date)". This will also be shown on the planview of the affected Chart(s)

CONSULT CURRENT NOTAMS.

INDEX

20282

TABLE OF CONTENTS

GENERAL INFORMATION/ INSTRUCTIONS ..... INSIDE FRONT COVER
INDEX OF TERMINAL CHARTS AND MINIMUMS A1
IFR TAKE-OFF MINIMUMS AND DEPARTURE PROCEDURES B1
DIVERSE VECTOR AREAS B1
IFR ALTERNATE MINIMUMS C1
RADAR MINIMUMS D1
STARS E1
AREA OF COVERAGE ..... BACK COVER

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME	PROC	SECT PG	ACTION
ABBEVILLE, LA			
ABBEVILLE CHRIS CRUSTA MEMORIAL(IYA)			
IAPS	RNAV (GPS) RWY 16	1	REPLACE PG. 1 VOL SC-4
	RNAV (GPS) RWY 34	2	REPLACE PG. 2 VOL SC-4
	VOR/DME-B	3	REPLACE PG. 4 VOL SC-4
AINSWORTH, NE			
AINSWORTH RGNL(ANW)			
IAPS	VOR RWY 17	4	REPLACE PG. 8 VOL NC-2
	VOR RWY 35	5	REPLACE PG. 9 VOL NC-2
ALBUQUERQUE, NM			
ALBUQUERQUE INTL SUNPORT(ABQ)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SW-1
IAPS	RNAV (GPS) Y RWY 08	6	REPLACE PG. 22 VOL SW-1
AMELIA EARHART			
---SEE ATCHISON, KS			
ANTELOPE COUNTY			
---SEE NELIGH, NE			
ASTORIA, OR			
ASTORIA RGNL(AST)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NW-1
IAPS	VOR RWY 08	7	REPLACE PG. 16 VOL NW-1
ATCHISON, KS			
AMELIA EARHART(K59)			
IAPS	RNAV (GPS) RWY 16	8	REPLACE PG. 24 VOL NC-2
AUGUSTA, ME			
AUGUSTA STATE(AUG)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-1
IAPS	ILS OR LOC RWY 17	9	REPLACE PG. 4 VOL NE-1
	RNAV (GPS) RWY 17	10	REPLACE PG. 6 VOL NE-1
	VOR RWY 35	11	REPLACE PG. 8 VOL NE-1
BAKERSFIELD, CA			
MEADOWS FIELD(BFL)			
IAPS	RNAV (GPS) RWY 12L	12	REPLACE PG. 9 VOL SW-3
BAR HARBOR, ME			
HANCOCK COUNTY-BAR HARBOR(BHB)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-1
IAPS	ILS OR LOC RWY 22	13	REPLACE PG. 17 VOL NE-1
BEECH RIVER RGNL			
---SEE LEXINGTON-PARSONS, TN			
BELEN, NM			
BELEN RGNL(BRG)			
IAPS	VOR-A	14	REPLACE PG. 58 VOL SW-1

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
BENNINGTON, VT			
WILLIAM H MORSE STATE(DDH)			
IAPS	RNAV (GPS) RWY 13	15	REPLACE PG. 35 VOL NE-1
BIDDEFORD, ME			
BIDDEFORD MUNI(B19)			
IAPS	RNAV (GPS) RWY 06	16	REPLACE PG. 47 VOL NE-1
BLACKHAWK AIRFIELD			
---SEE MADISON, WI			
BLUE GRASS			
---SEE LEXINGTON, KY			
BOLINDER FIELD-TOOELE VALLEY			
---SEE TOOELE, UT			
BOONE COUNTY			
---SEE HARRISON, AR			
BOWIE, MD			
FREEWAY(W00)			
IAPS	RNAV (GPS) RWY 36	17	REPLACE PG. 57 VOL NE-3
BRIDGEPORT, TX			
BRIDGEPORT MUNI(XBP)			
IAPS	RNAV (GPS) RWY 18	18	REPLACE PG. 65 VOL SC-2
	VOR/DME RWY 18	19	REPLACE PG. 66 VOL SC-2
CALHOUN COUNTY			
---SEE PORT LAVACA, TX			
CENTRAL JERSEY RGNL			
---SEE MANVILLE, NJ			
CHARLOTTE-MONROE EXECUTIVE			
---SEE MONROE, NC			
CHEBOYGAN, MI			
CHEBOYGAN COUNTY(SLH)			
IAPS	RNAV (GPS) RWY 10	20	REPLACE PG. 67 VOL EC-1
	RNAV (GPS) RWY 28	21	REPLACE PG. 68 VOL EC-1
	VOR RWY 10	22	REPLACE PG. 69 VOL EC-1
CHERRY RIDGE			
---SEE HONESDALE, PA			
CHICAGO (WEST CHICAGO), IL			
DUPAGE(DPA)			
IAPS	ILS OR LOC RWY 02L	23	REPLACE PG. 211 VOL EC-3
CHIPPEWA COUNTY INTL			
---SEE SAULT STE MARIE, MI			
CINCINNATI WEST			
---SEE HARRISON, OH			
CLINTON, MD			
WASHINGTON EXECUTIVE/HYDE FIELD(W32)			
IAPS	RNAV (GPS) RWY 05	24	REPLACE PG. 79 VOL NE-3
COASTAL CAROLINA RGNL			
---SEE NEW BERN, NC			

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
COOLIDGE, AZ			
COOLIDGE MUNI(P08)			
IAPS	GPS RWY 23	25	REPLACE PG. 48 VOL SW-4
COTULLA, TX			
COTULLA-LA SALLE COUNTY(COT)			
IAPS	VOR-A	26	REPLACE PG. 125 VOL SC-3
COUNTY MEMORIAL			
---SEE NEW MADRID, MO			
COZAD, NE			
COZAD MUNI(CZD)			
IAPS	RNAV (GPS) RWY 13	27	REPLACE PG. 91 VOL NC-2
	RNAV (GPS) RWY 31	28	REPLACE PG. 92 VOL NC-2
	VOR RWY 13	29	REPLACE PG. 93 VOL NC-2
CREWE, VA			
CREWE MUNI(W81)			
IAPS	RNAV (GPS)-A	30	REPLACE PG. 82 VOL NE-3
	RNAV (GPS)-B	31	REPLACE PG. 83 VOL NE-3
DAVENPORT, IA			
DAVENPORT MUNI(DVN)			
IAPS	ILS OR LOC RWY 15	32	REPLACE PG. 141 VOL NC-3
	RNAV (GPS) RWY 03	33	REPLACE PG. 142 VOL NC-3
	RNAV (GPS) RWY 15	34	REPLACE PG. 143 VOL NC-3
	RNAV (GPS) RWY 21	35	REPLACE PG. 144 VOL NC-3
	RNAV (GPS) RWY 33	36	REPLACE PG. 145 VOL NC-3
	VOR RWY 03	37	REPLACE PG. 146 VOL NC-3
	VOR RWY 21	38	REPLACE PG. 147 VOL NC-3
DAVIS-MONTHAN AFB(KDMA)			
TUCSON, AZ			
IAPS	RNAV (GPS) RWY 12	39	REPLACE PG. 54 VOL SW-4
DECATUR, TX			
DECATUR MUNI(LUD)			
IAPS	RNAV (GPS) RWY 17	40	REPLACE PG. 342 VOL SC-2
	RNAV (GPS) RWY 35	41	REPLACE PG. 343 VOL SC-2
	VOR/DME RWY 17	42	REPLACE PG. 344 VOL SC-2
DELAWARE, OH			
DELAWARE MUNI - JIM MOORE FIELD(DLZ)			
IAPS	VOR RWY 28	43	REPLACE PG. 212 VOL EC-2
DES MOINES, IA			
DES MOINES INTL(DSM)			
IAPS	ILS OR LOC RWY 05	44	REPLACE PG. 153 VOL NC-3
DODGE COUNTY			
---SEE JUNEAU, WI			
DONA ANA COUNTY INTL JETPORT			
---SEE SANTA TERESA, NM			
DOOR COUNTY CHERRYLAND			
---SEE STURGEON BAY, WI			
DR C P SAVAGE SR			
---SEE MONTEZUMA, GA			
DUPAGE			
---SEE CHICAGO (WEST CHICAGO), IL			

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION

EDGAR COUNTY
---SEE PARIS, IL

EDWARDS COUNTY
---SEE ROCKSPRINGS, TX

ELLINGTON
---SEE HOUSTON, TX

FAIRFIELD, IL

FAIRFIELD MUNI(FWC)

IAPS	NDB RWY 09	45	REPLACE PG. 336 VOL EC-3

FAYETTE COUNTY
---SEE WASHINGTON COURT HOUSE, OH

FORT KNOX, KY
---SEE GODMAN AAF

FORT WORTH NAS JRB/CARSWELL FIELD(NFW)

FORT WORTH, TX

IAPS	RNAV (GPS) RWY 36	46	REPLACE PG. 478 VOL SC-2

FOSTORIA, OH

FOSTORIA METROPOLITAN(FZI)

IAPS	VOR-A	47	REPLACE PG. 253 VOL EC-2

FREEWAY
---SEE BOWIE, MD

GARDEN CITY, KS

GARDEN CITY RGNL(GCK)

IAPS	RNAV (GPS) RWY 17	48	REPLACE PG. 152 VOL NC-2
	RNAV (GPS) RWY 30	49	REPLACE PG. 153 VOL NC-2
	RNAV (GPS) RWY 35	50	REPLACE PG. 154 VOL NC-2
	VOR/DME RWY 12	51	REPLACE PG. 155 VOL NC-2
	VOR/DME RWY 17	52	REPLACE PG. 156 VOL NC-2
	VOR/DME RWY 30	53	REPLACE PG. 157 VOL NC-2
	VOR RWY 17	54	REPLACE PG. 158 VOL NC-2
	VOR RWY 35	55	REPLACE PG. 159 VOL NC-2

GODMAN AAF(KFTK)

FORT KNOX, KY

IAPS	ILS OR LOC/DME RWY 18	56	REPLACE PG. 163 VOL SE-1
	RNAV (GPS) RWY 15	57	REPLACE PG. 164 VOL SE-1
	RNAV (GPS) RWY 18	58	REPLACE PG. 165 VOL SE-1
	RNAV (GPS) RWY 36	59	REPLACE PG. 166 VOL SE-1
	VOR/DME RWY 15	60	REPLACE PG. 167 VOL SE-1
	VOR/DME RWY 18	61	REPLACE PG. 168 VOL SE-1
	VOR/DME RWY 36	62	REPLACE PG. 169 VOL SE-1

HAMPTON, VA
---SEE LANGLEY AFB

HANCOCK COUNTY-BAR HARBOR
---SEE BAR HARBOR, ME

HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY
---SEE NATCHEZ, MS

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
HARLINGEN, TX			
VALLEY INTL(HRL)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-3
IAPS	RNAV (GPS) RWY 17L	63	REPLACE PG. 200 VOL SC-3
	RNAV (GPS) RWY 35R	64	REPLACE PG. 201 VOL SC-3
	RNAV (GPS) Y RWY 13	65	REPLACE PG. 202 VOL SC-3
	RNAV (GPS) Y RWY 17R	66	REPLACE PG. 203 VOL SC-3
	RNAV (GPS) Y RWY 35L	67	REPLACE PG. 205 VOL SC-3
	LOC/DME BC RWY 35L	68	REPLACE PG. 206 VOL SC-3
	VOR/DME RWY 35L	69	REPLACE PG. 209 VOL SC-3
	VOR/DME Y OR TACAN RWY 31	70	REPLACE PG. 210 VOL SC-3
HARRISON, AR			
BOONE COUNTY(HRO)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-1
IAPS	RNAV (GPS) RWY 18	71	REPLACE PG. 170 VOL SC-1
	RNAV (GPS) RWY 36	72	REPLACE PG. 171 VOL SC-1
HARRISON, OH			
CINCINNATI WEST(I67)			
TAKEOFF MINIMUMS		B	REVISE SECT. L VOL EC-2
HAWTHORNE, CA			
JACK NORTHROP FIELD/HAWTHORNE MUNI(HHR)			
IAPS	LOC RWY 25	73	REPLACE PG. 117 VOL SW-3
HEBER, UT			
HEBER VALLEY(HCR)			
IAPS	RNAV (GPS)-A	74	REPLACE PG. 147 VOL SW-4
HENDERSON EXECUTIVE			
---SEE LAS VEGAS, NV			
HESLER-NOBLE FIELD			
---SEE LAUREL, MS			
HINTON, OK			
HINTON MUNI(2O8)			
IAPS	RNAV (GPS) RWY 17	75	REPLACE PG. 182 VOL SC-1
HONESDALE, PA			
CHERRY RIDGE(N30)			
IAPS	RNAV (GPS)-B	76	REPLACE PG. 135 VOL NE-4
HOUSTON, TX			
ELLINGTON(EFD)			
IAPS	RNAV (GPS) RWY 04	77	REPLACE PG. 253 VOL SC-5
	RNAV (GPS) RWY 17R	78	REPLACE PG. 254 VOL SC-5
	RNAV (GPS) RWY 35L	79	REPLACE PG. 256 VOL SC-5
	TACAN RWY 04	80	REPLACE PG. 257 VOL SC-5
	TACAN RWY 17R	81	REPLACE PG. 258 VOL SC-5
	TACAN RWY 22	82	REPLACE PG. 259 VOL SC-5
	TACAN RWY 35L	83	REPLACE PG. 260 VOL SC-5
HUDSON VALLEY RGNL			
---SEE POUGHKEEPSIE, NY			
INDIANAPOLIS, IN			
INDIANAPOLIS INTL(IND)			
IAPS	ILS OR LOC RWY 05L	84	REPLACE PG. 335 VOL EC-2
	ILS RWY 05L (SA CAT I)	85	REPLACE PG. 341 VOL EC-2
	ILS RWY 05L (CAT II - III)	86	REPLACE PG. 344 VOL EC-2
JACK NORTHROP FIELD/HAWTHORNE MUNI			
---SEE HAWTHORNE, CA			

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION

JACKSONVILLE, NC
---SEE NEW RIVER MCAS (MCCUTCHEON FIELD)

JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY
---SEE JOHNSTOWN, PA

JOHNSON, KS
STANTON COUNTY MUNI(JHN)

IAPS	RNAV (GPS) RWY 17	87	REPLACE PG. 251 VOL NC-2
	RNAV (GPS) RWY 35	88	REPLACE PG. 252 VOL NC-2

JOHNSTOWN, PA
JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY(JST)

IAPS	VOR RWY 05	89	REPLACE PG. 150 VOL NE-4

JUNEAU, WI
DODGE COUNTY(UNU)

IAPS	RNAV (GPS) RWY 02	90	REPLACE PG. 393 VOL EC-3
	RNAV (GPS) RWY 08	91	REPLACE PG. 394 VOL EC-3
	RNAV (GPS) RWY 20	92	REPLACE PG. 395 VOL EC-3
	RNAV (GPS) RWY 26	93	REPLACE PG. 396 VOL EC-3
	LOC RWY 26	94	REPLACE PG. 397 VOL EC-3

KINGS LAND O'LAKES
---SEE LAND O'LAKES, WI

LACONIA, NH
LACONIA MUNI(LCI)

ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-1
IAPS	ILS OR LOC RWY 08	95	REPLACE PG. 197 VOL NE-1
	RNAV (GPS) RWY 08	96	REPLACE PG. 198 VOL NE-1
	RNAV (GPS) RWY 26	97	REPLACE PG. 199 VOL NE-1

LAGO VISTA, TX
LAGO VISTA TX - RUSTY ALLEN(RYW)

DPS	ILEXY TWO (RNAV)	98	REPLACE PG. 261 VOL SC-3

LAKE CHARLES, LA
LAKE CHARLES RGNL(LCH)

ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-4
IAPS	RNAV (GPS) RWY 15	99	REPLACE PG. 211 VOL SC-4
	RNAV (GPS) RWY 33	100	REPLACE PG. 213 VOL SC-4
	VOR/DME-B	101	REPLACE PG. 215 VOL SC-4
	VOR-A	102	REPLACE PG. 216 VOL SC-4

LAKEHURST MAXFIELD FLD (JOINT BASE MCGUIRE DIX LAKEHURST)(KNEL)
LAKEHURST, NJ

IAPS	RNAV (GPS) RWY 33	103	REPLACE PG. 156 VOL NE-2

LAKELAND, FL
LAKELAND LINDER INTL(LAL)

IAPS	ILS RWY 09 (SA CAT I - II)	104	REPLACE PG. 267 VOL SE-3

LAND O'LAKES, WI
KINGS LAND O'LAKES(LNL)

IAPS	RNAV (GPS) RWY 14	105	REPLACE PG. 432 VOL EC-3
	RNAV (GPS) RWY 32	106	REPLACE PG. 433 VOL EC-3

LANGLEY AFB(KLFI)
HAMPTON, VA

IAPS	ILS OR LOC Y RWY 08	107	REPLACE PG. 219 VOL NE-3
	ILS OR LOC Y RWY 26	108	REPLACE PG. 220 VOL NE-3
	RNAV (GPS) RWY 08	109	ADD TO VOL NE-3
	RNAV (GPS) RWY 26	110	REPLACE PG. 221 VOL NE-3

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
LAS VEGAS, NV			
HENDERSON EXECUTIVE(HND)			
IAPS	RNAV (GPS)-B	111	REPLACE PG. 174 VOL SW-4
LAUREL, MS			
HESLER-NOBLE FIELD(LUL)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-4
IAPS	RNAV (GPS) RWY 13	112	REPLACE PG. 218 VOL SC-4
	RNAV (GPS) RWY 31	113	REPLACE PG. 219 VOL SC-4
LEXINGTON, KY			
BLUE GRASS(LEX)			
IAPS	ILS OR LOC RWY 04	114	REPLACE PG. 233 VOL SE-1
	ILS OR LOC RWY 22	115	REPLACE PG. 234 VOL SE-1
	RNAV (GPS) RWY 09	116	REPLACE PG. 236 VOL SE-1
	RNAV (GPS) RWY 22	117	REPLACE PG. 237 VOL SE-1
	RNAV (GPS) RWY 27	118	REPLACE PG. 238 VOL SE-1
	VOR-A	119	REPLACE PG. 239 VOL SE-1
LEXINGTON-PARSONS, TN			
BEECH RIVER RGNL(PVE)			
IAPS	RNAV (GPS) RWY 01	120	REPLACE PG. 241 VOL SE-1
	RNAV (GPS) RWY 19	121	REPLACE PG. 242 VOL SE-1
LUMBERTON, NC			
LUMBERTON RGNL(LBT)			
IAPS	RNAV (GPS) RWY 13	122	REPLACE PG. 445 VOL SE-2
MADISON, WI			
BLACKHAWK AIRFIELD(87Y)			
IAPS	VOR OR GPS-A	123	REPLACE PG. 452 VOL EC-3
MANCHESTER, NH			
MANCHESTER(MHT)			
IAPS	ILS OR LOC RWY 17	124	REPLACE PG. 220 VOL NE-1
MANVILLE, NJ			
CENTRAL JERSEY RGNL(47N)			
IAPS	RNAV (GPS) RWY 07	125	REPLACE PG. 175 VOL NE-2
MC COMB, MS			
MC COMB/PIKE COUNTY/JOHN E LEWIS FIELD(MCB)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-4
IAPS	VOR/DME-A	126	REPLACE PG. 241 VOL SC-4
MC CREARY COUNTY			
---SEE PINE KNOT, KY			
MCCHAREN FIELD			
---SEE WEST POINT, MS			
MEADOWS FIELD			
---SEE BAKERSFIELD, CA			
MINEOLA, TX			
MINEOLA WISENER FIELD(3F9)			
IAPS	RNAV (GPS)-A	127	REPLACE PG. 624 VOL SC-2
MIRAMAR MCAS (JOE FOSS FLD)(KNKX)			
SAN DIEGO, CA			
RADAR MINIMUMS		D	REVISE SECT. N VOL SW-3

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
MONROE, LA			
MONROE RGNL(MLU)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-4
RADAR MINIMUMS		D	REVISE SECT. N VOL SC-4
IAPS	ILS OR LOC RWY 04	128	REPLACE PG. 259 VOL SC-4
	ILS OR LOC RWY 22	129	REPLACE PG. 260 VOL SC-4
	RNAV (GPS) RWY 04	130	REPLACE PG. 261 VOL SC-4
	RNAV (GPS) RWY 14	131	REPLACE PG. 262 VOL SC-4
	RNAV (GPS) RWY 22	132	REPLACE PG. 263 VOL SC-4
	RNAV (GPS) RWY 32	133	REPLACE PG. 264 VOL SC-4
	VOR/DME RWY 04	134	REPLACE PG. 265 VOL SC-4
	VOR/DME RWY 22	135	REPLACE PG. 266 VOL SC-4
	VOR/DME RWY 32	136	REPLACE PG. 267 VOL SC-4
MONROE, NC			
CHARLOTTE-MONROE EXECUTIVE(EQY)			
DPS	BEAVY FIVE (RNAV)	137	REPLACE PG. 472 VOL SE-2
MONTEZUMA, GA			
DR C P SAVAGE SR(53A)			
IAPS	RNAV (GPS) RWY 36	138	REPLACE PG. 560 VOL SE-4
MOORELAND, OK			
MOORELAND MUNI(MDF)			
IAPS	RNAV (GPS) RWY 17	139	REPLACE PG. 267 VOL SC-1
MYRTLE BEACH, SC			
MYRTLE BEACH INTL(MYR)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SE-2
IAPS	VOR/DME-A	140	REPLACE PG. 504 VOL SE-2
NANTUCKET, MA			
NANTUCKET MEMORIAL(ACK)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-1
IAPS	VOR RWY 24	141	REPLACE PG. 251 VOL NE-1
NAPLES, FL			
NAPLES MUNI(APF)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SE-3
IAPS	VOR RWY 05	142	REPLACE PG. 388 VOL SE-3
	VOR RWY 23	143	REPLACE PG. 389 VOL SE-3
NATCHEZ, MS			
HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY(HEZ)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-4
IAPS	RNAV (GPS) RWY 36	144	REPLACE PG. 273 VOL SC-4
NELIGH, NE			
ANTELOPE COUNTY(4V9)			
IAPS	RNAV (GPS) RWY 01	145	REPLACE PG. 338 VOL NC-2
	RNAV (GPS) RWY 19	146	REPLACE PG. 339 VOL NC-2
NEW BERN, NC			
COASTAL CAROLINA RGNL(EWN)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SE-2
IAPS	RNAV (GPS) RWY 22	147	REPLACE PG. 508 VOL SE-2
	VOR RWY 22	148	REPLACE PG. 509 VOL SE-2
NEW MADRID, MO			
COUNTY MEMORIAL(EIW)			
IAPS	VOR/DME-A	149	REPLACE PG. 436 VOL NC-3
NEW RIVER MCAS (MCCUTCHEON FIELD)(KNCA)			
JACKSONVILLE, NC			
IAPS	RNAV (GPS) RWY 23	150	REPLACE PG. 515 VOL SE-2

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
NORFOLK, VA			
NORFOLK INTL(ORF)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-3
IAPS	RNAV (GPS) RWY 32	151	REPLACE PG. 289 VOL NE-3
	VOR/DME RWY 32	152	REPLACE PG. 292 VOL NE-3
NORFOLK NS (CHAMBERS FIELD)(KNGU)			
NORFOLK, VA			
RADAR MINIMUMS		D	REVISE SECT. N VOL NE-3
NORTH PALM BEACH COUNTY GENERAL AVIATION			
---SEE WEST PALM BEACH, FL			
NORTHEAST FLORIDA RGNL			
---SEE ST AUGUSTINE, FL			
NUECES COUNTY			
---SEE ROBSTOWN, TX			
OKLAHOMA CITY, OK			
WILL ROGERS WORLD(OKC)			
IAPS	ILS OR LOC RWY 17R	153	REPLACE PG. 334 VOL SC-1
ONEONTA, AL			
ROBBINS FIELD(20A)			
IAPS	RNAV (GPS) RWY 24	154	REPLACE PG. 597 VOL SE-4
PANAMA CITY, FL			
---SEE TYNDALL AFB			
PARIS, IL			
EDGAR COUNTY(PRG)			
IAPS	VOR/DME-A	155	REPLACE PG. 603 VOL EC-3
PEMBINA, ND			
PEMBINA MUNI(PMB)			
IAPS	RNAV (GPS) RWY 33	156	REPLACE PG. 482 VOL NC-1
	VOR-A	157	REPLACE PG. 483 VOL NC-1
PENSACOLA NAS (FORREST SHERMAN FLD)(KNPA)			
PENSACOLA, FL			
IAPS	TACAN RWY 19	158	REPLACE PG. 506 VOL SE-3
PHILIP BILLARD MUNI			
---SEE TOPEKA, KS			
PHILIPPI, WV			
PHILIPPI/BARBOUR COUNTY RGNL(79D)			
IAPS	RNAV (GPS) RWY 26	159	REPLACE PG. 276 VOL NE-4
PIERRE, SD			
PIERRE RGNL(PIR)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NC-1
IAPS	RNAV (GPS) RWY 07	160	REPLACE PG. 490 VOL NC-1
	RNAV (GPS) RWY 13	161	REPLACE PG. 491 VOL NC-1
	VOR/DME OR TACAN RWY 07	162	REPLACE PG. 494 VOL NC-1
	VOR OR TACAN RWY 25	163	REPLACE PG. 495 VOL NC-1
PINE KNOT, KY			
MC CREARY COUNTY(18I)			
IAPS	RNAV (GPS) RWY 04	164	REPLACE PG. 451 VOL SE-1

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
PLYMOUTH, MA			
PLYMOUTH MUNI(PYM)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-1
IAPS	ILS OR LOC RWY 06	165	REPLACE PG. 317 VOL NE-1
	RNAV (GPS) RWY 06	166	REPLACE PG. 318 VOL NE-1
	RNAV (GPS) RWY 15	167	REPLACE PG. 319 VOL NE-1
	RNAV (GPS) RWY 24	168	REPLACE PG. 320 VOL NE-1
	RNAV (GPS) RWY 33	169	REPLACE PG. 321 VOL NE-1
POCAHONTAS, AR			
POCAHONTAS MUNI(M70)			
IAPS	RNAV (GPS) RWY 18	170	REPLACE PG. 380 VOL SC-1
PORT LAVACA, TX			
CALHOUN COUNTY(PKV)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-5
IAPS	VOR/DME-A	171	REPLACE PG. 632 VOL SC-5
PORTLAND, OR			
PORTLAND INTL(PDX)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NW-1
IAPS	ILS OR LOC RWY 10L	172	REPLACE PG. 572 VOL NW-1
	ILS OR LOC RWY 10R	173	REPLACE PG. 573 VOL NW-1
	ILS RWY 10R (SA CAT I)	174	REPLACE PG. 576 VOL NW-1
	ILS RWY 10R (CAT II - III)	175	REPLACE PG. 577 VOL NW-1
	RNAV (GPS) Y RWY 10L	176	REPLACE PG. 586 VOL NW-1
	RNAV (GPS) Y RWY 10R	177	REPLACE PG. 587 VOL NW-1
	LOC/DME RWY 21	178	REPLACE PG. 588 VOL NW-1
	VOR-A	179	REPLACE PG. 589 VOL NW-1
PORTLAND-HILLSBORO(HIO)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NW-1
IAPS	ILS OR LOC RWY 13R	180	REPLACE PG. 601 VOL NW-1
POUGHKEEPSIE, NY			
HUDSON VALLEY RGNL(POU)			
IAPS	RNAV (GPS) RWY 24	181	REPLACE PG. 415 VOL NE-2
RED BLUFF, CA			
RED BLUFF MUNI(RBL)			
IAPS	RNAV (GPS) RWY 15	182	REPLACE PG. 225 VOL SW-2
ROBBINS FIELD			
---SEE ONEONTA, AL			
ROBSTOWN, TX			
NUECES COUNTY(RBO)			
IAPS	VOR/DME-A	183	REPLACE PG. 366 VOL SC-3
ROCKSPRINGS, TX			
EDWARDS COUNTY(ECU)			
IAPS	RNAV (GPS) RWY 14	184	REPLACE PG. 372 VOL SC-3
	VOR RWY 14	185	REPLACE PG. 373 VOL SC-3
ST AUGUSTINE, FL			
NORTHEAST FLORIDA RGNL(SGJ)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SE-3
IAPS	RNAV (GPS) RWY 13	186	REPLACE PG. 537 VOL SE-3
ST PETERSBURG-CLEARWATER, FL			
ST PETE-CLEARWATER INTL			
IAPS	ILS RWY 18(CAT II)		DELETE PG. 548 VOL SE-3
SAN DIEGO, CA			
---SEE MIRAMAR MCAS (JOE FOSS FLD)			

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
SANTA TERESA, NM			
DONA ANA COUNTY INTL JETPORT(DNA)			
IAPS	RNAV (GPS) RWY 10	187	REPLACE PG. 535 VOL SW-1
SAULT STE MARIE, MI			
CHIPPEWA COUNTY INTL(CIU)			
IAPS	ILS OR LOC RWY 16	188	REPLACE PG. 461 VOL EC-1
	RNAV (GPS) RWY 10	189	REPLACE PG. 462 VOL EC-1
	RNAV (GPS) RWY 16	190	REPLACE PG. 463 VOL EC-1
	RNAV (GPS) RWY 28	191	REPLACE PG. 464 VOL EC-1
	RNAV (GPS) RWY 34	192	REPLACE PG. 465 VOL EC-1
	NDB RWY 34	193	REPLACE PG. 466 VOL EC-1
SAVANNA, IL			
TRI-TOWNSHIP(SFY)			
IAPS	RNAV (GPS) RWY 13	194	REPLACE PG. 692 VOL EC-3
SEATTLE, WA			
SEATTLE-TACOMA INTL(SEA)			
IAPS	ILS OR LOC RWY 34R	195	REPLACE PG. 712 VOL NW-1
	ILS RWY 34R (SA CAT I - II)	196	REPLACE PG. 718 VOL NW-1
SEMINOLE, OK			
SEMINOLE MUNI(SRE)			
IAPS	NDB RWY 16	197	REPLACE PG. 407 VOL SC-1
SHENANDOAH, IA			
SHENANDOAH MUNI(SDA)			
IAPS	VOR/DME RWY 12	198	REPLACE PG. 584 VOL NC-3
SHERIDAN, IN			
SHERIDAN(5I4)			
IAPS	RNAV (GPS) RWY 05	199	REPLACE PG. 573 VOL EC-2
	RNAV (GPS) RWY 23	200	REPLACE PG. 574 VOL EC-2
	VOR-A	201	REPLACE PG. 575 VOL EC-2
SHREVEPORT, LA			
SHREVEPORT RGNL(SHV)			
IAPS	ILS RWY 14 (CAT II)	202	REPLACE PG. 380 VOL SC-4
SOMERSET			
---SEE SOMERVILLE, NJ			
SOMERVILLE, NJ			
SOMERSET(SMQ)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL NE-2
IAPS	VOR RWY 08	203	REPLACE PG. 476 VOL NE-2
SOUTHBRIDGE, MA			
SOUTHBRIDGE MUNI(3B0)			
IAPS	RNAV (GPS) RWY 02	204	REPLACE PG. 389 VOL NE-1
STANTON COUNTY MUNI			
---SEE JOHNSON, KS			
STATESBORO, GA			
STATESBORO-BULLOCH COUNTY(TBR)			
IAPS	ILS OR LOC RWY 32	205	REPLACE PG. 660 VOL SE-4
STURGEON BAY, WI			
DOOR COUNTY CHERRYLAND(SUE)			
IAPS	RNAV (GPS) RWY 10	206	REPLACE PG. 738 VOL EC-3
	RNAV (GPS) RWY 28	207	REPLACE PG. 740 VOL EC-3

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION
SUMTER, SC			
SUMTER(SMS)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SE-2
IAPS	RNAV (GPS) RWY 05	208	REPLACE PG. 712 VOL SE-2
	NDB RWY 23	209	REPLACE PG. 714 VOL SE-2
TACOMA, WA			
TACOMA NARROWS(TIW)			
IAPS	RNAV (GPS) RWY 17	210	REPLACE PG. 796 VOL NW-1
	RNAV (GPS) RWY 35	211	REPLACE PG. 797 VOL NW-1
TAMPA, FL			
TAMPA INTL(TPA)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SE-3
IAPS	RNAV (GPS) RWY 01L	212	REPLACE PG. 629 VOL SE-3
	RNAV (GPS) RWY 01R	213	REPLACE PG. 630 VOL SE-3
	RNAV (GPS) RWY 19R	214	REPLACE PG. 632 VOL SE-3
	RNAV (GPS) RWY 28	215	REPLACE PG. 633 VOL SE-3
	RNAV (GPS) Z RWY 19L	216	REPLACE PG. 634 VOL SE-3
TAYLOR, TX			
TAYLOR MUNI(T74)			
IAPS	VOR RWY 17	217	REPLACE PG. 423 VOL SC-3
TOOELE, UT			
BOLINDER FIELD-TOOELE VALLEY(TVY)			
IAPS	RNAV (GPS) RWY 17	218	REPLACE PG. 499 VOL SW-4
TOPEKA, KS			
PHILIP BILLARD MUNI(TOP)			
IAPS	RNAV (GPS) RWY 18	219	REPLACE PG. 521 VOL NC-2
TRI-TOWNSHIP			
---SEE SAVANNA, IL			
TUCSON, AZ			
---SEE DAVIS-MONTHAN AFB			
TUCUMCARI, NM			
TUCUMCARI MUNI(TCC)			
IAPS	RNAV (GPS) RWY 21	220	REPLACE PG. 562 VOL SW-1
	VOR RWY 21	221	REPLACE PG. 564 VOL SW-1
TYLER, TX			
TYLER POUNDS RGNL(TYR)			
ALTERNATE MINIMUMS		C	REVISE SECT. M VOL SC-2
IAPS	RNAV (GPS) RWY 04	222	REPLACE PG. 705 VOL SC-2
	RNAV (GPS) RWY 13	223	REPLACE PG. 706 VOL SC-2
TYNDALL AFB(KPAM)			
PANAMA CITY, FL			
IAPS	ILS OR LOC Z RWY 14L	224	REPLACE PG. 656 VOL SE-3
	ILS OR LOC Z RWY 32R	225	REPLACE PG. 657 VOL SE-3
	RNAV (GPS) RWY 14L	226	REPLACE PG. 658 VOL SE-3
	RNAV (GPS) RWY 14R	227	REPLACE PG. 659 VOL SE-3
	RNAV (GPS) RWY 32L	228	REPLACE PG. 660 VOL SE-3
	TACAN Z RWY 14L	229	REPLACE PG. 662 VOL SE-3
	TACAN Z RWY 32R	230	REPLACE PG. 663 VOL SE-3
VALLEY INTL			
---SEE HARLINGEN, TX			
WASHINGTON COURT HOUSE, OH			
FAYETTE COUNTY(I23)			
IAPS	NDB RWY 23	231	REPLACE PG. 649 VOL EC-2

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDEX

20282

NAME	PROC	SECT PG	ACTION

WASHINGTON EXECUTIVE/HYDE FIELD
---SEE CLINTON, MD

WEST PALM BEACH, FL

NORTH PALM BEACH COUNTY GENERAL AVIATION(F45)

IAPS ..... RNAV (GPS) RWY 14 .....232 REPLACE PG. 684 VOL SE-3

WEST POINT, MS

MCCHAREN FIELD(M83)

IAPS ..... RNAV (GPS) RWY 18 .....233 REPLACE PG. 422 VOL SC-4
RNAV (GPS) RWY 36 .....234 REPLACE PG. 423 VOL SC-4
VOR/DME-B .....235 REPLACE PG. 424 VOL SC-4

WEST YELLOWSTONE, MT

YELLOWSTONE(WYS)

IAPS ..... RNAV (GPS) RWY 19 .....236 REPLACE PG. 850 VOL NW-1

WILL ROGERS WORLD
---SEE OKLAHOMA CITY, OK

WILLIAM H MORSE STATE
---SEE BENNINGTON, VT

YELLOWSTONE
---SEE WEST YELLOWSTONE, MT

08 OCT 2020 to 05 NOV 2020

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.

08 OCT 2020 to 05 NOV 2020

EAST CENTRAL VOL. 2

HARRISON, OH

CINCINNATI WEST (I67)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 08OCT20 (20282) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 500-3 or std. w/min. climb of 385' per NM to 1200.

Rwy 19, 500-3 or std. w/ min. climb of 253' per NM to 1300.

TAKEOFF OBSTACLE NOTES:

Rwy 1, multiple trees beginning 5364' from DER, 180' right of centerline, up to 100' AGL/915' MSL.
Multiple trees beginning 5596' from DER, 1180' left of centerline up to 100' AGL/909' MSL.
Multiple trees beginning 1.5 NM from DER, 2293' left of centerline, up to 200' AGL/849' MSL.

Rwy 19, road 23' from DER, on centerline, 15' AGL/599' MSL.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

NORTH CENTRAL VOL 1

PIERRE, SD
PIERRE RGNL (PIR)……**ILS or LOC Rwy 31[1]**
RNAV (GPS) Rwy 7[2]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 31[2]
VOR/DME or TACAN Rwy 7[2]
VOR or TACAN Rwy 25[2]
NA when local weather not available.
[1]LOC, Category D, 800-2¼.
[2]Category D, 800-2¼.

NORTHEAST VOL 1

AUGUSTA, ME
AUGUSTA
STATE (AUG)……**ILS or LOC Rwy 17[1]**
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 35[3]
VOR Rwy 35[2]
NA when local weather not available.
[1]ILS, LOC, Category D 900-2½.
[2]Category D, 900-2½.
[3]Category D, 800-2½.

BAR HARBOR, ME
HANCOCK COUNTY-
BAR HARBOR (BHB)……**ILS or LOC Rwy 22[1]**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
NA when local weather not available.
[1]NA when control tower closed.

NAME ALTERNATE MINIMUMS

NORTHEAST VOL 1

LACONIA, NH
LACONIA MUNI (LCI)……**ILS or LOC Rwy 8[1]**
NDB Rwy 8[2]
RNAV (GPS) Rwy 8[3]
RNAV (GPS) Rwy 26[3]
NA when local weather not available.
[1]LOC, Category C, 1700-3; Category D, 2400-3.
[2]Category A, 1000-2; Category B, 1100-2;
Category C, 1100-3; Category D, 1700-3.
[3]Category C, 1700-3; Category D, 2400-3.

NANTUCKET, MA
NANTUCKET
MEMORIAL (ACK)……**ILS or LOC Rwy 6[12]**
ILS or LOC Rwy 24[12]
RNAV (GPS) Rwy 6[3]
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24[3]
RNAV (GPS) Rwy 33[4]
VOR Rwy 24[3]
NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, Category C, 700-2; Category D, 700-2¼;
LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.
[4]Category D, 1000-3.

PLYMOUTH, MA
PLYMOUTH
MUNI (PYM)……**ILS or LOC Rwy 6**
RNAV (GPS) Rwy 33
NA when local weather not available.

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

NAME ALTERNATE MINIMUMS

NORTHEAST VOL 2

SOMERVILLE, NJ
SOMERSET (SMQ)....**RNAV (GPS) Rwy 30[1]**
VOR Rwy 8[2]
NA when local weather not available.
[1]Categories A, B, 900-2.
[2]Category B, 900-2.

NORTHEAST VOL 3

NORFOLK, VA
NORFOLK
INTL (ORF)....**ILS or LOC Rwy 5[1]**
ILS or LOC Rwy 23[2]
RNAV (GPS) Rwy 14[3]
RNAV (GPS) Rwy 32[3]
RNAV (GPS) Z Rwy 5[3]
RNAV (GPS) Z Rwy 23[3]
VOR Rwy 14[3]
VOR/DME Rwy 32[3]

[1]LOC, Category D, 900-2¾.
[2]ILS, LOC, Category D, 900-2¾.
[3]Category D, 900-2¾.

NORTHWEST VOL 1

ASTORIA, OR
ASTORIA
RGNL (AST)....**RNAV (GPS) Rwy 8[1]**
RNAV (GPS) Rwy 26[2]
VOR Rwy 8[13]
[1]Category C, 1100-3; Category D, 1200-3.
[2]Categories A, B, 900-2; Category C, 1100-3; Category D, 1200-3.
[3]NA when local weather not available.

NAME ALTERNATE MINIMUMS

NORTHWEST VOL 1

PORTLAND, OR
PORTLAND
INTL (PDX)....**ILS or LOC Rwy 10L[1]**
ILS or LOC Rwy 10R[2]
ILS or LOC Rwy 28L[3]
ILS or LOC Rwy 28R[3]
LOC/DME Rwy 21[4]
RNAV (GPS) Y Rwy 10L[4]
RNAV (GPS) Y Rwy 10R[4]
RNAV (GPS) X Rwy 28L[4]
RNAV (GPS) X Rwy 28R[4]
VOR-A[5]
[1]LOC, Categories C, D, 1100-3; Category E, 1200-3.
[2]LOC, Categories A, B, 900-2; Categories C, D, 1100-3; Category E, 1200-3.
[3]ILS, Category A, 700-2; Category B, 800-2; Categories C, D, 1100-3; Category E, 1200-3. LOC, Categories C, D, 1100-3; Category E, 1200-3.
[4]Categories C, D, 1100-3.
[5]Categories A, B, 1000-2; Categories C, D, 1100-3.

PORTLAND-
HILLSBORO (HIO)....**ILS or LOC Rwy 13R[12]**
RNAV (GPS) Rwy 13R[34]
RNAV (GPS) Rwy 31L[34]
VOR-C[34]
[1]NA when control tower closed.
[2]LOC, Categories A, B, 1500-2; Categories C, D, 1500-3.
[3]Category D, 800-2½.
[4]NA when local weather not available.

SOUTH CENTRAL VOL 1

HARRISON, AR
BOONE
COUNTY (HRO)....**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
Category C, 1000-3; Category D, 1200-3.

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

NAME ALTERNATE MINIMUMS

SOUTH CENTRAL VOL 2

TYLER, TX
TYLER POUNDS
RGNL (TYR)…….....**ILS or LOC Rwy 4[1,2,3]**
RNAV (GPS) Rwy 4[1,4]
RNAV (GPS) Rwy 13[1,4]
RNAV (GPS) Rwy 17[4]
RNAV (GPS) Rwy 22[4]
RNAV (GPS) Rwy 31[4]
RNAV (GPS) Rwy 35[4]
VOR Rwy 4[4]
VOR Rwy 31[4]

[1]NA when local weather not available.
[2]NA when control tower closed.
[3]LOC, Category D, 800-2¼.
[4]Category D, 800-2¼.

SOUTH CENTRAL VOL 3

HARLINGEN, TX
VALLEY INTL (HRL)……**ILS or LOC Rwy 17R[1,2]**
LOC/DME BC Rwy 35L[1]
RNAV (GPS) Rwy 17L[2]
RNAV (GPS) Rwy 35R[2]
RNAV (GPS) Y Rwy 13[1,2]
RNAV (GPS) Y Rwy 17R[1,2]
RNAV (GPS) Y Rwy 35L[1,2]
VOR/DME Rwy 17L[3]
VOR/DME Y or TACAN Rwy 31[2,4]

[1]NA when control tower closed.
[2]NA when local weather not available.
[3]Categories A, B, 900-2;
Categories C, D, 900-2½.
[4]Categories A, B, 1000-2;
Categories C, D, 1000-3.

SOUTH CENTRAL VOL 4

LAKE CHARLES, LA
LAKE CHARLES
RGNL (LCH)……..…..**ILS or LOC Rwy 15[1,2]**
LOC BC Rwy 33[1]
RNAV (GPS) Rwy 15[3,4]
RNAV (GPS) Rwy 33[3,4]

[1]NA when control tower closed.
[2]ILS, Category D, 700-2.
[3]NA when local weather not available.
[4]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

SOUTH CENTRAL VOL 4

LAUREL, MS
HESLER-NOBLE
FILED (LUL)…….....…**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR-A

NA when local weather not available.
Category C, 900-2¼; Category D, 900-2¾.

MC COMB, MS
MC COMB/PIKE COUNTY/JOHN E LEWIS
FIELD (MCB)..……..**ILS or LOC Rwy 16[1]**
RNAV (GPS) Rwy 16[2]
RNAV (GPS) Rwy 34[2]
VOR/DME-A[2,3]

[1]LOC, Category D, 800-2½.
[2]Category D, 800-2½.
[3]NA when local weather not available.

MONROE, LA
MONROE
RGNL (MLU)...….....**ILS or LOC Rwy 4[1,2,3]**
ILS or LOC Rwy 22[2]
RADAR 1[2,4]
RNAV (GPS) Rwy 4[1,4]
RNAV (GPS) Rwy 14[4]
RNAV (GPS) Rwy 32[1,4]
VOR/DME Rwy 4[4]
VOR/DME Rwy 32[4]

[1]NA when local weather not available.
[2]NA when control tower closed.
[3]LOC, Category D, 1100-3.
[4]Category D, 1100-3.

NATCHEZ, MS
HARDY-ANDERS FIELD NATCHEZ-ADAMS
COUNTY (HEZ)……**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 36
VOR Rwy 18

NA when local weather not available.
Category C, 800-2¼; Category D, 1000-3.

SOUTH CENTRAL VOL 5

PORT LAVACA, TX
CALHOUN
COUNTY (PKV)……**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
VOR/DME-A

NA when local weather not available.

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

NAME ALTERNATE MINIMUMS

SOUTHEAST VOL 2

MYRTLE BEACH, SC
MYRTLE BEACH
INTL (MYR).....**ILS or LOC Rwy 18[1]**
ILS or LOC Rwy 36[2]
RNAV (GPS) Rwy 18[3]
RNAV (GPS) Rwy 36[3]
RNAV (GPS)-A[3]
VOR/DME-A[4]
[1]LOC, Category D, 800-2¼, Category E, 800-2½.
[2]ILS, Category C, 800-2; Category D, 800-2¼; Category E, 800-2½. LOC, Category D, 800-2¼, Category E, 800-2½.
[3]Category D, 800-2¼; Category E, 800-2½.
[4]Category D, 800-2¼.

NEW BERN, NC
COASTAL CAROLINA
RGNL (EWN).....**ILS or LOC Rwy 4[12]**
RNAV (GPS) Rwy 4[13]
RNAV (GPS) Rwy 22[3]
VOR Rwy 22[3]
[1]NA when local weather not available.
[2]LOC, Category D, 900-2¾.
[3]Category D, 900-2¾.

SUMTER, SC
SUMTER (SMS).....**ILS or LOC Rwy 23[1]**
NDB Rwy 23[2]
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 23[2]
NA when local weather not available.
[1]LOC, Category C, 900-2½; Category D, 900-2¾.
[2]Category C, 900-2½; Category D, 900-2¾.

SOUTHEAST VOL 3

NAPLES, FL
NAPLES MUNI (APF).....**RNAV (GPS)-A[1]**
RNAV (GPS)-B[1]
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR Rwy 5[2]
VOR Rwy 23[2]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

SOUTHEAST VOL 3

ST. AUGUSTINE, FL
NORTHEAST FLORIDA
RGNL (SGJ).....**ILS or LOC Rwy 31[12]**
RNAV (GPS) Rwy 13[34]
RNAV (GPS) Rwy 31[4]
[1]NA when control tower closed.
[2]ILS, Category C, 700-2; Category D, 800-2½; LOC, Category D, 800-2½.
[3]NA when local weather not available.
[4]Category D, 800-2½.

TAMPA, FL
TAMPA
INTL (TPA).....**ILS or LOC Rwy 1L[1]**
ILS or LOC Rwy 19L[2]
ILS or LOC Rwy 19R[1]
LOC Rwy 1R[3]
RNAV (GPS) Rwy 1L[4]
RNAV (GPS) Rwy 1R[4]
RNAV (GPS) Rwy 10[5]
RNAV (GPS) Rwy 19R[4]
RNAV (GPS) Rwy 28[5]
RNAV (GPS) Z Rwy 19L[5]
[1]ILS, Category C, 700-2; Categories D, E, 1000-3; LOC Categories D, E, 1000-3.
[2]ILS, Category C, 700-2; Category D, 1000-3; LOC Category D, 1000-3.
[3]Categories A, B, 1300-2; Categories C, D, 1300-3.
[4]Categories D, E, 1000-3.
[5]Category D, 1000-3.

SOUTHWEST VOL 1

ALBUQUERQUE, NM
ALBUQUERQUE INTL
SUNPORT (ABQ).....**ILS or LOC Rwy 3[1]**
ILS or LOC Rwy 8[1]
RADAR-1[2]
RNAV (GPS) Y Rwy 3[3]
RNAV (GPS) Y Rwy 8[3]
VOR Rwy 8[4]
[1]ILS, LOC, Category D, 1200-3.
[2]Categories D, E, 1200-3.
[3]Category D, 1200-3.
[4]Categories A, B, 1100-2; Category C, 1100-3; Category D, 1200-3; Category E, 2200-3.

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

RADAR INSTRUMENT APPROACH MINIMUMS

NORTHEAST VOL 3

NORFOLK NS (CHAMBERS FIELD) (KNGU), Norfolk, VA

Amdt 7 08OCT20 (20282) (USN) ELEV **15**

RADAR - (E) 119.2x 120.2x 279.525 322.525 335.8 353.55 T

08 OCT 2020 to 05 NOV 2020

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR[1]	10[2 3]	3.0°/54/1020	ABCDE	**114**-¼	100	(100-¼)
	28[4]	3.0°/37/719	ABCDE	**313**-¾	299	(300-¾)
PAR W/O GS[1]	28[5]		ABCDE	**380**-¾	366	(400-¾)
	10[10]		AB	**500**-⅝	486	(500-⅝)
			CDE	**500**-1	486	(500-1)
ASR	28[6]		ABCDE	**460**-1	446	(500-1)
	10[9]		AB	**720**-¾	706	(800-¾)
			CDE	**720**-1⅝	706	(800-1⅝)
C CIR PAR W/O GS[7 8]	10		A	**500**-1	485	(500-1)
			B	**560**-1	545	(600-1)
			C	**560**-1½	545	(600-1½)
			D	**580**-2	565	(600-2)
			E	**700**-2½	685	(700-2½)
	28		A	**540**-1⅛	525	(600-1⅛)
			B	**740**-1⅛	725	(800-1⅛)
			C	**780**-2¼	765	(800-2¼)
			D	**820**-2½	805	(900-2½)
			E	**820**-2¾	805	(900-2¾)
C CIR ASR[7 8]	28		A	**500**-1¼	485	(500-1¼)
			B	**560**-1¼	545	(600-1¼)
			C	**560**-1½	545	(600-1½)
			D	**580**-2	565	(600-2)
			E	**700**-2½	685	(700-2½)
	10		AB	**720**-1¼	705	(800-1¼)
			C	**720**-2	705	(800-2)
			D	**720**-2¼	705	(800-2¼)
			E	**720**-2½	705	(800-2½)

[1]No-NOTAM MP Sun 1230-1630Z++.
[2]When ALS inop, increase vis CAT ABCDE to ½ mile.
[3]PAPI RRP/TCH 669/35 not coincident with PAR RPI/TCH 1020/54.
[4]When ALS inop, increase vis CAT ABCDE to ⅞ mile.
[5]When ALS inop, increase vis CAT ABCDE to 1⅛ miles.
[6]When ALS inop, increase vis CAT AB to 1¼ miles, CAT CDE to 1⅜ miles.
[7]Cir not auth south of Rwy 10-28.
[8]Norfolk NS Heliport lctd 1 NM NW, use caution in cir aprch.
[9]When ALS inop, increase vis CAT AB to 1¼ miles, CAT CDE to 2 miles.
[10]When ALS inop, increase vis CAT AB to 1 mile, CAT CDE to 1⅜ miles.

08 OCT 2020 to 05 NOV 2020

RADAR INSTRUMENT APPROACH MINIMUMS

SOUTH CENTRAL VOL 4

MONROE, LA

Amdt 7B, 08OCT20 (20282) (FAA)

ELEV **79**

MONROE RGNL (MLU)

RADAR- 1 118.15 290.475 T A

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS
ASR	4		AB	**560**/40	484	(500-¾)	CD	**560**/50	484	(500-1)
	22		AB	**560**-¾	485	(500-¾)	CD	**560**-1	485	(500-1)
C CIRCLING	ALL RWY		AB	**580**-1¼	501	(600-1¼)	C	**740**-1¾	661	(700-1¾)
			D	**1160**-3	1081	(1100-3)				

When control tower closed, ASR NA.
Circling Rwy 14 NA at night.
For inop ALS: increase S-4 Cat A/B visibility to RVR 5500, Cat C/D visibility to 1 ⅜ SM. Increase S-22 Cat A/B visibility to 1 SM and Cat C/D visibility to 1 ⅜ SM.

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS
20282

D2

RADAR INSTRUMENT APPROACH MINIMUMS

SOUTHWEST VOL 3

MIRAMAR MCAS (JOE FOSS FLD) (KNKX), San Diego, CA

(20282) (USN) ELEV **477**

RADAR[1] **- (E)** 133.625 134.3x 266.8x 270.35 307.9x 328.4x 348.75 350.275 371.9 379.125

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR	24R[2]	3.0°/53/1136	ABCDE	**575**-¼	100	(100-¼)
	24L	3.0°/46/1036	ABCDE	**577**-½	100	(100-½)
PAR W/O GS[5 8]	24R[3]		AB	**840**-½	365	(400-½)
			CDE	**840**-⅝	365	(400-⅝)
	24L		ABCDE	**840**-1	363	(400-1)
ASR	6L[7]		AB	**820**-1	388	(400-1)
			CDE	**820**-1⅛	388	(400-1⅛)
	24R[4 8]		AB	**940**-⅝	465	(500-⅝)
			CDE	**940**-1	465	(500-1)
	24L[8]		AB	**940**-1	463	(500-1)
			CDE	**940**-1⅜	463	(500-1⅜)
CIR[6]	All Rwy		A	**940**-1	463	(500-1)
			B	**960**-1	483	(500-1)
			C	**960**-1½	483	(500-1½)
			D	**1180**-2¼	703	(800-2¼)
			E	**1360**-3	883	(900-3)

[1]Other APP CON freq as asgn.
[2]When ALS inop, increase vis CAT ABCDE to ½ mile.
[3]When ALS inop, increase vis CAT ABCDE to 1 mile.
[4]When ALS inop, increase vis CAT AB to 1 mile, CAT CDE to 1⅜ miles.
[5]No NOTAM MP: PAR O/S 1400-2000Z++ Tue.
[6]CAT E circling not authorized S of Rwy 6R-24L.
[7]Step Down Fix at 2 NM from thld, 1120 min.
[8]Step Down Fix at 4 NM from thld, 1900 min, Step Down Fix at 2 NM from thld, 1260 min.

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

INTENTIONALLY

LEFT

BLANK

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WAAS CH 78023 W16A	APP CRS 157°	Rwy ldg 5000 TDZE 16 Apt Elev 16

RNAV (GPS) RWY 16

ABBEVILLE CHRIS CRUSTA MEMORIAL (IYA)

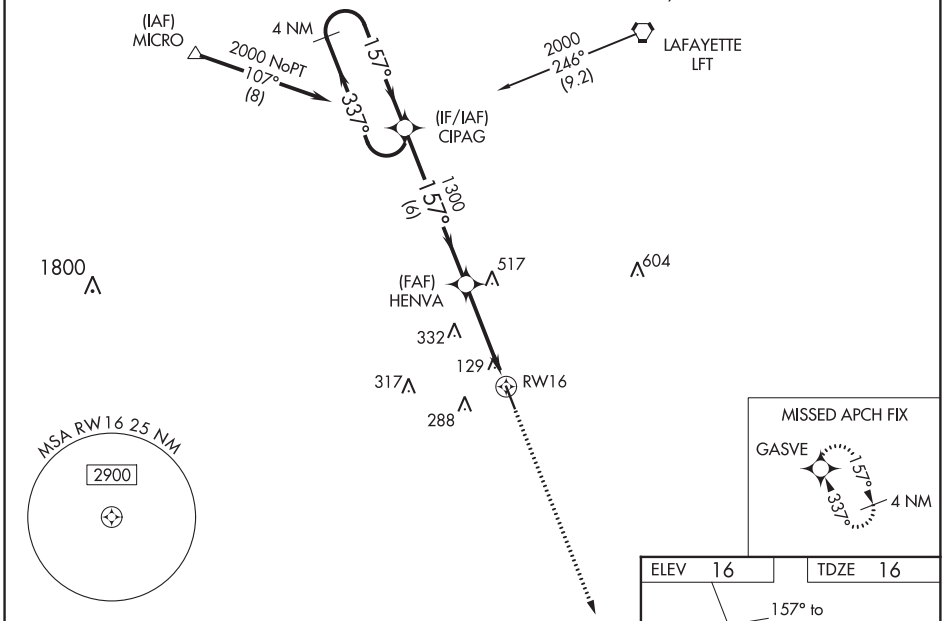
RNP APCH.

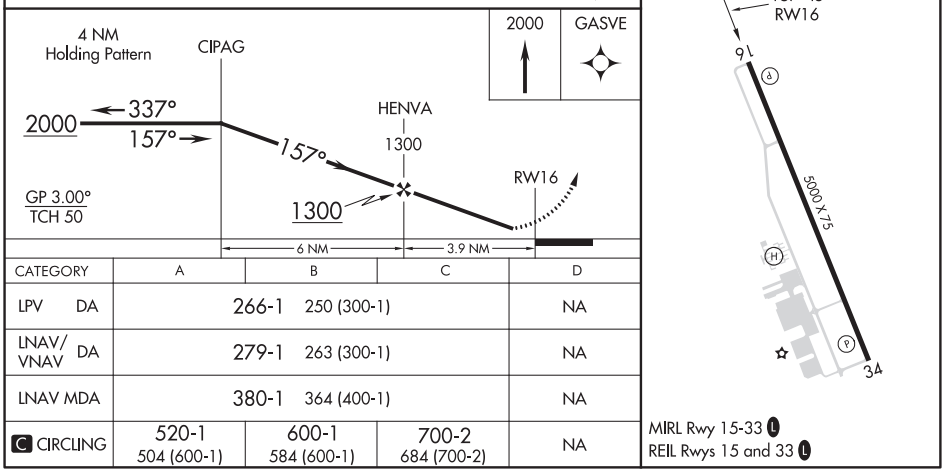
Baro-VNAV NA when using New Iberia altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use New Iberia altimeter setting and increase all DA 27 feet and all MDA 40 feet.

MISSED APPROACH: Climb to 2000 direct GASVE and hold.

AWOS-3	LAFAYETTE APP CON ★	GCO	UNICOM
118.875	121.1 268.7	135.075	122.8 (CTAF) L

Procedure NA for arrivals on LFT VORTAC airway radials 252 CW 278.





CATEGORY	A	B	C	D
LPV DA	266-1 250 (300-1)			NA
LNAV/VNAV DA	279-1 263 (300-1)			NA
LNAV MDA	380-1 364 (400-1)			NA
C CIRCLING	520-1 504 (600-1)	600-1 584 (600-1)	700-2 684 (700-2)	NA

MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ABBEVILLE, LOUISIANA | AL-5541 (FAA) | 20282

RNAV (GPS) RWY 34

ABBEVILLE CHRIS CRUSTA MEMORIAL (IYA)

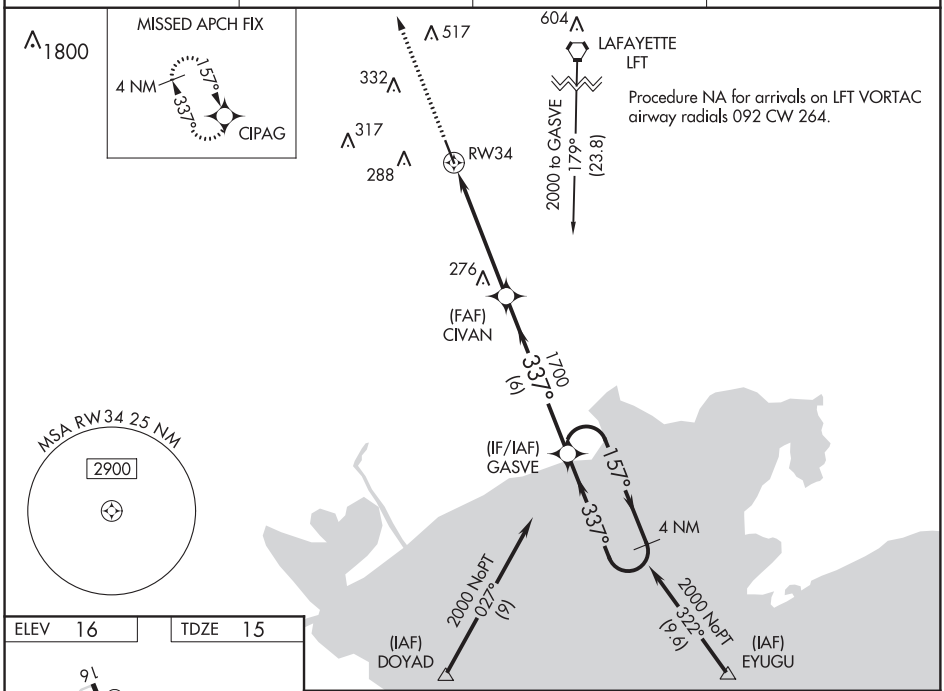
WAAS CH 45823 W34A	APP CRS 337°	Rwy ldg 5000 TDZE 15 Apt Elev 16

RNP APCH.

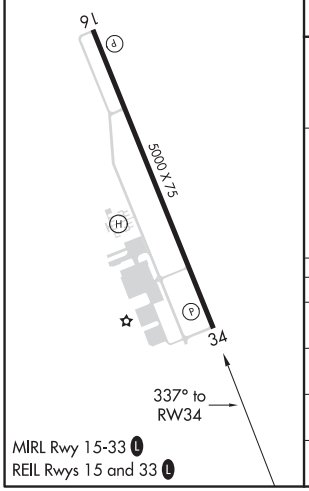
Baro-VNAV NA when using New Iberia altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use New Iberia altimeter setting and increase all DA 27 feet and all MDA 40 feet; increase LNAV/VNAV all Cats visibility ⅛ SM.

MISSED APPROACH: Climb to 2000 direct CIPAG and hold.

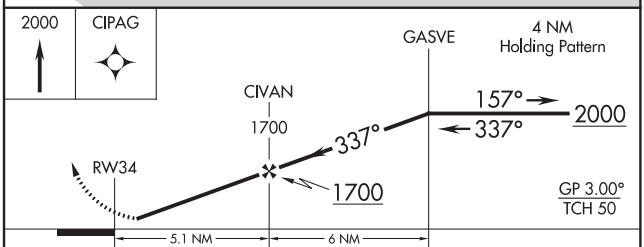
AWOS-3	LAFAYETTE APP CON ★	GCO	UNICOM
118.875	121.1 268.7	135.075	122.8 (CTAF) L



ELEV 16 | TDZE 15



MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L



CATEGORY	A	B	C	D
LPV DA	298-1 283 (300-1)			NA
LNAV/VNAV DA	320-1 305 (400-1)			NA
LNAV MDA	580-1 565 (600-1)		580-1⅝ 565 (600-1⅝)	NA
C CIRCLING	580-1 564 (600-1)	600-1 584 (600-1)	700-2 684 (700-2)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VORTAC LFT	APP CRS	Rwy ldg	N/A
109.8	017°	TDZE	N/A
Chan 35		Apt Elev	16

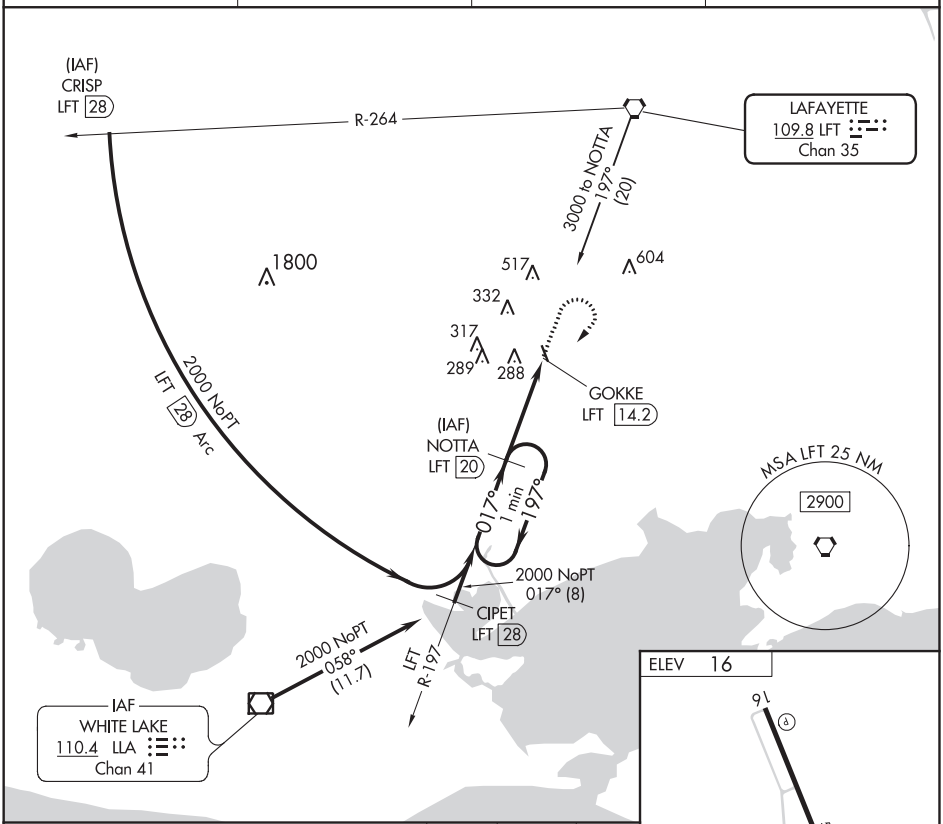
VOR/DME-B

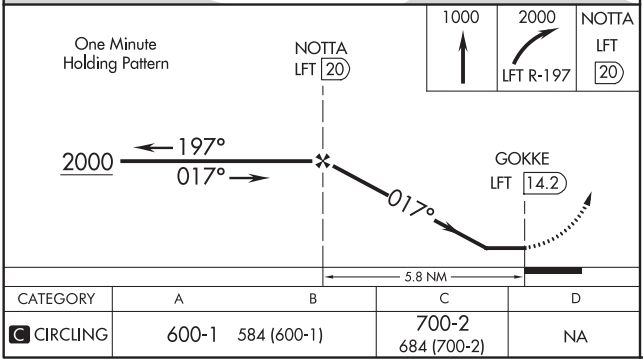
ABBEVILLE CHRIS CRUSTA MEMORIAL (IYA)

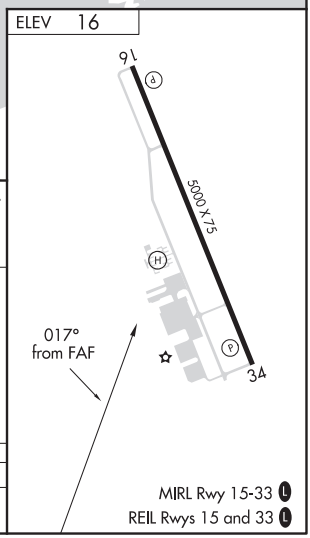
When local altimeter setting not received, use New Iberia altimeter setting and increase all MDA 40 feet.

MISSED APPROACH: Climb to 1000, then climbing right turn to 2000 via LFT R-197 to NOTTA/LFT 20 DME and hold.

AWOS-3	LAFAYETTE APP CON ★	GCO	UNICOM
118.875	121.1 268.7	135.075	122.8 (CTAF) L







CATEGORY	A	B	C	D
C CIRCLING	600-1	584 (600-1)	700-2 684 (700-2)	NA

MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

AINSWORTH, NEBRASKA | AL-5681 (FAA) | 20282

VOR RWY 17
AINSWORTH RGNL (ANW)

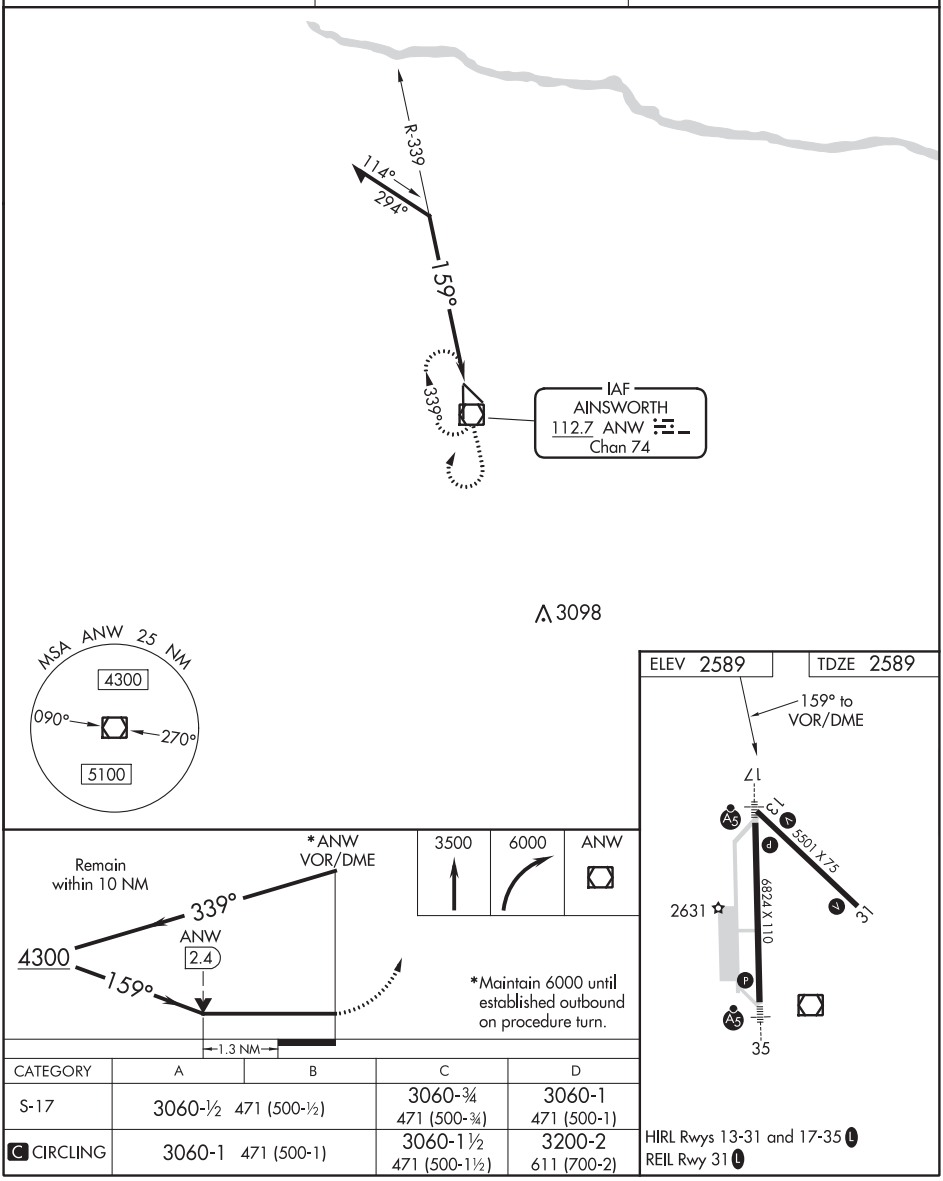
VOR/DME ANW 112.7 Chan 74	APP CRS 159°	Rwy ldg 6824 TDZE 2589 Apt Elev 2589

MALSR

MISSED APPROACH: Climb to 3500 then climbing right turn to 6000 direct ANW VOR/DME and hold.

AWOS-3	DENVER CENTER	UNICOM
118.325	127.95 338.2	122.8 (CTAF) L

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020

CATEGORY	A	B	C	D
S-17	3060-½ 471 (500-½)		3060-¾ 471 (500-¾)	3060-1 471 (500-1)
C CIRCLING	3060-1 471 (500-1)		3060-1½ 471 (500-1½)	3200-2 611 (700-2)

HIRL Rwys 13-31 and 17-35 L
REIL Rwy 31 L

VOR RWY 35
AINSWORTH RGNL (ANW)

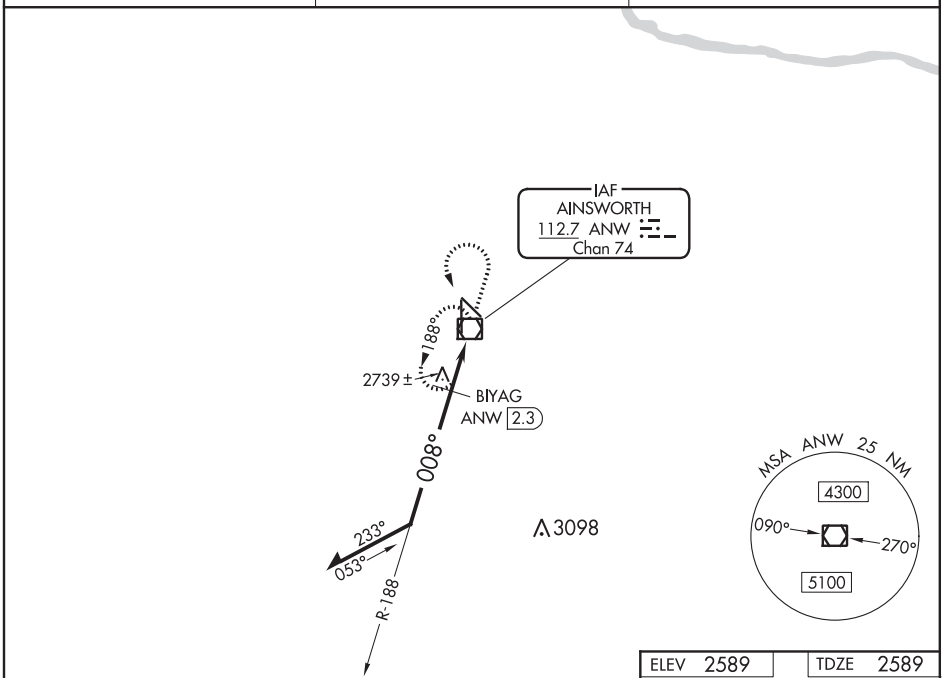
VOR/DME ANW 112.7 Chan 74	APP CRS 008°	Rwy ldg 6824 TDZE 2589 Apt Elev 2589

When local altimeter setting not received, procedure NA.
For inoperative ALS, increase BIYAG fix minimums S-35 Cat D visibility to 1¼.

MALSR

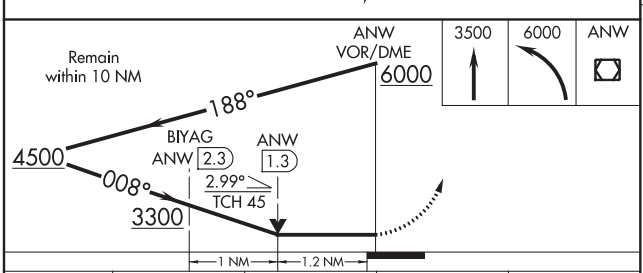
MISSED APPROACH: Climb to 3500 then climbing left turn to 6000 direct ANW VOR/DME and hold.

AWOS-3	DENVER CENTER	UNICOM
118.325	127.95 338.2	122.8 (CTAF) L



08 OCT 2020 to 05 NOV 2020

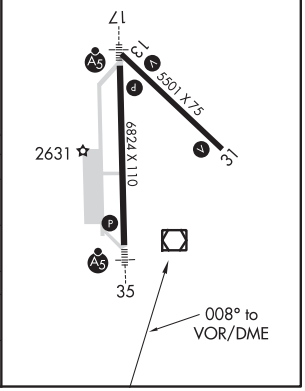
08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-35	3300-½ 711 (800-½)		3300-1½ 711 (800-1½)	3300-1¾ 711 (800-1¾)
C CIRCLING	3300-1 711 (800-1)		3300-2 711 (800-2)	3300-2¼ 711 (800-2¼)
BIYAG FIX MINIMUMS (DME REQUIRED)				
S-35	3000-½ 411 (500-½)		3000-¾ 411 (500-¾)	3000-1 411 (500-1)
C CIRCLING	3000-1 411 (500-1)	3040-1 451 (500-1)	3040-1½ 451 (500-1½)	3200-2 611 (700-2)

ELEV 2589 TDZE 2589

HIRL Rwys 13-31 and 17-35 L
REIL Rwy 31 L



APP CRS	Rwy ldg	12793
079°	TDZE	5320
	Apt Elev	5355

RNAV (GPS) Y RWY 8
ALBUQUERQUE INTL SUNPORT (ABQ)

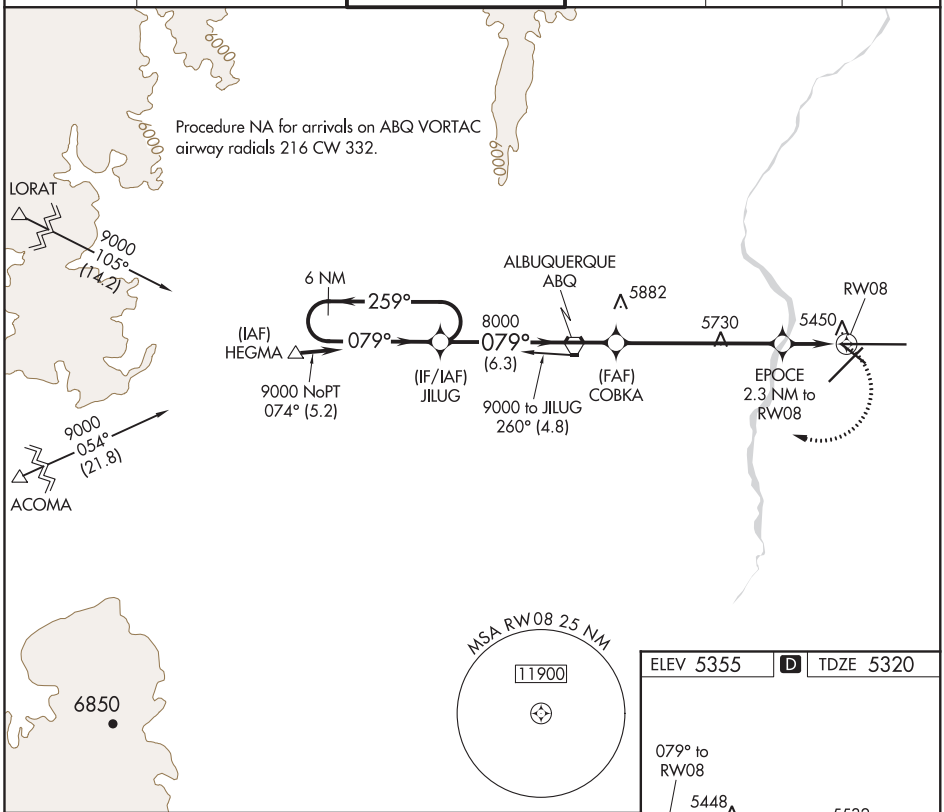
T A ASR

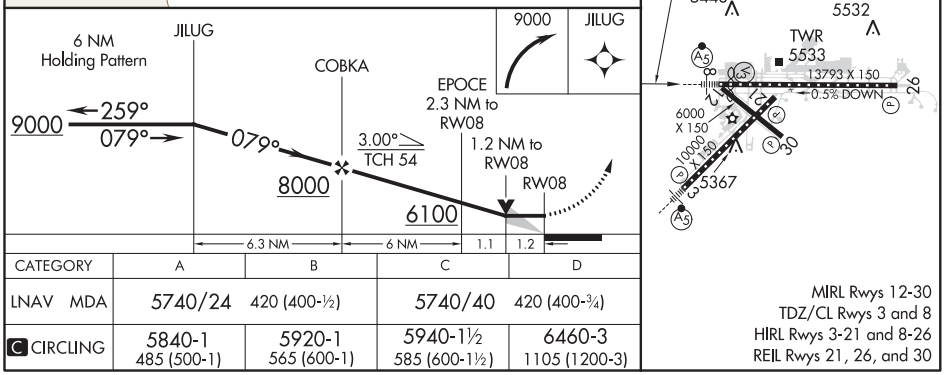
DME/DME RNP-0.3 NA.

MALSR A5

MISSED APPROACH: Climbing right turn to 9000 direct JILUG and hold.

D-ATIS	ALBUQUERQUE APP CON	ALBUQUERQUE TOWER	GND CON	CLNC DEL	CPDLC
118.0 257.7	123.9 354.1	120.3 351.9	121.9 348.6	119.2 259.3	





CATEGORY	A	B	C	D
LNAV MDA	5740/24 420 (400-½)		5740/40 420 (400-¾)	
C CIRCLING	5840-1 485 (500-1)	5920-1 565 (600-1)	5940-1½ 585 (600-1½)	6460-3 1105 (1200-3)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

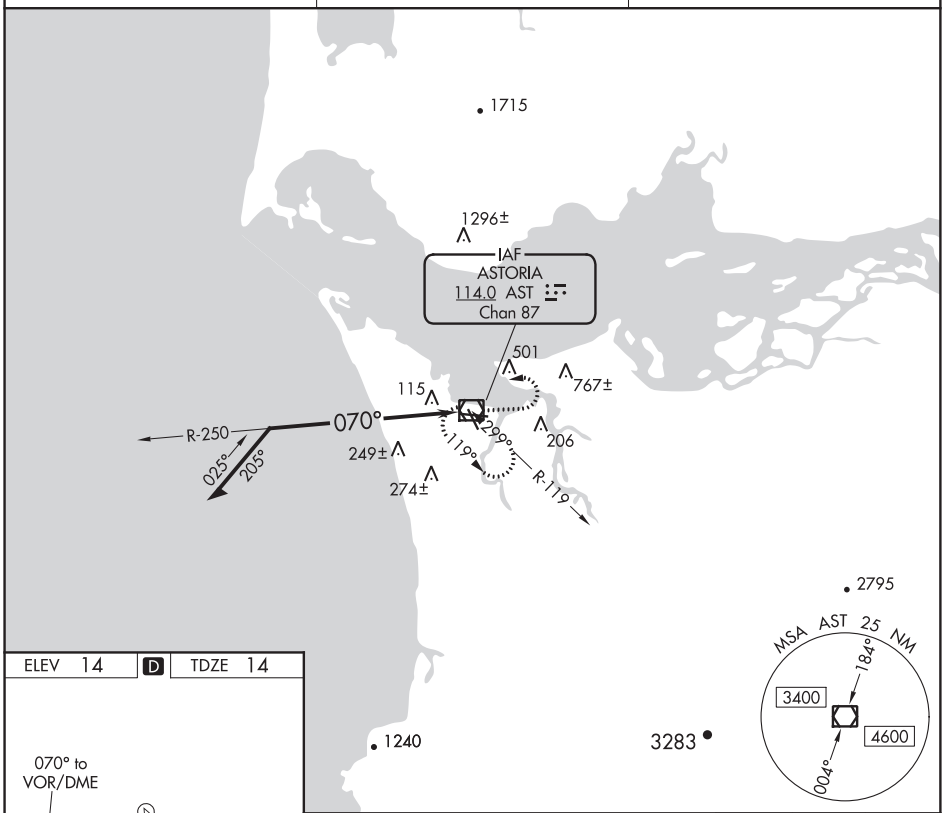
VOR/DME AST 114.0 Chan 87	APP CRS 070°	Rwy ldg 4894 TDZE 14 Apt Elev 14

VOR RWY 8
ASTORIA RGNL (AST)

T A Rwy 8 helicopter visibility reduction below ¾ SM NA.

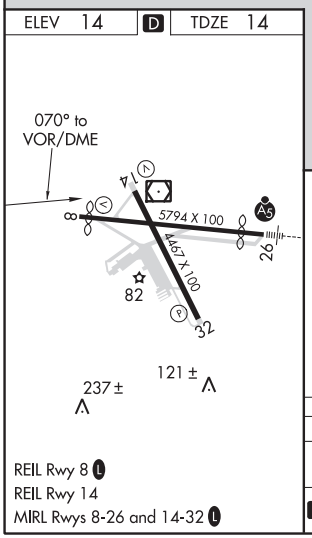
MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 in AST VOR/DME holding pattern.

ASOS	SEATTLE CENTER	UNICOM
135.375	124.2 317.6	122.8 (CTAF) L

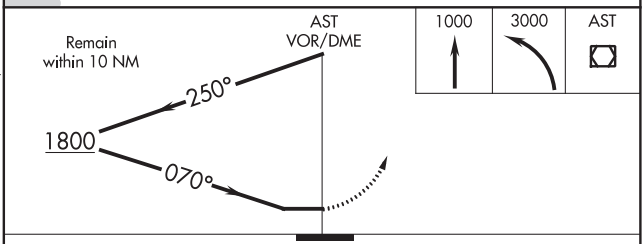


08 OCT 2020 to 05 NOV 2020

ELEV 14 D TDZE 14



REIL Rwy 8 L
REIL Rwy 14
MIRL Rwys 8-26 and 14-32 L



CATEGORY	A	B	C	D
S-8	660-1 646 (700-1)		660-1⅞ 646 (700-1⅞)	660-2 646 (700-2)
C CIRCLING	660-1 646 (700-1)	800-1 786 (800-1)	1080-3 1066 (1100-3)	1160-3 1146 (1200-3)

ATCHISON, KANSAS

AL-6617 (FAA)

20282

RNAV (GPS) RWY 16
AMELIA EARHART (K59)

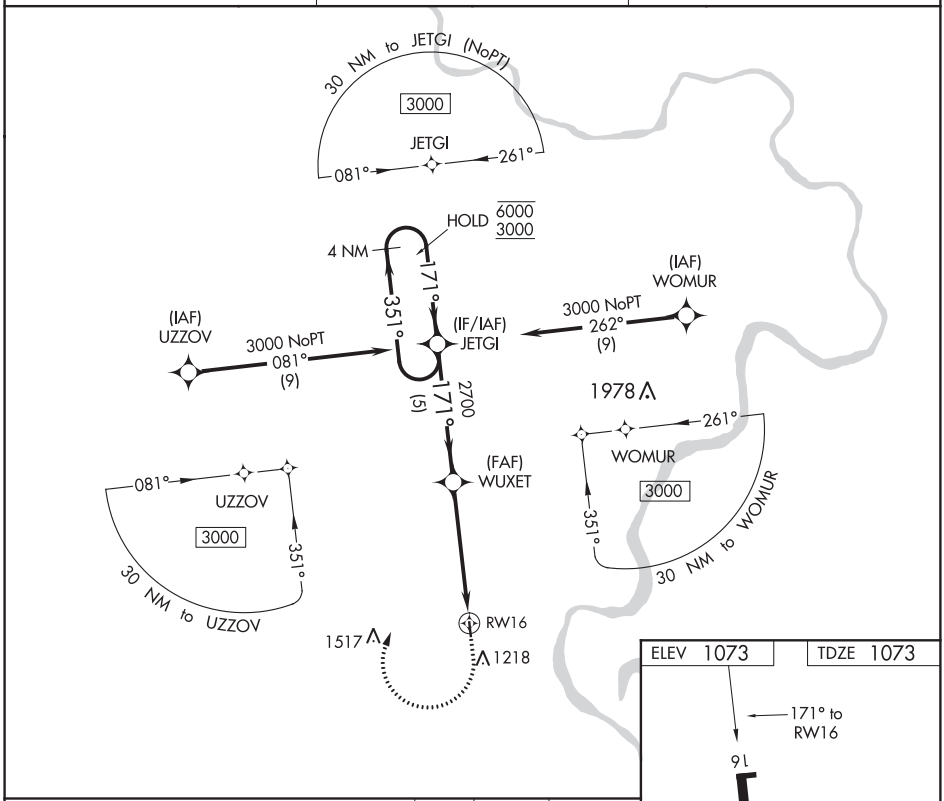
APP CRS	Rwy ldg	3000
171°	TDZE	1073
	Apt Elev	1073

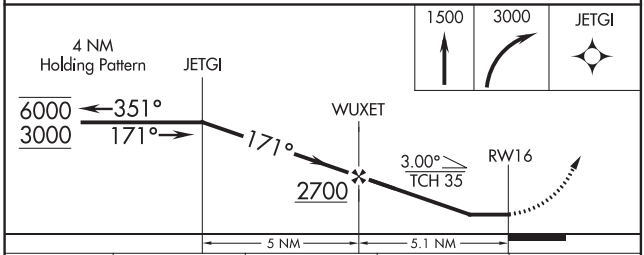
RNP APCH.

NA Rwy 16 helicopter visibility reduction below ¾ SM NA.

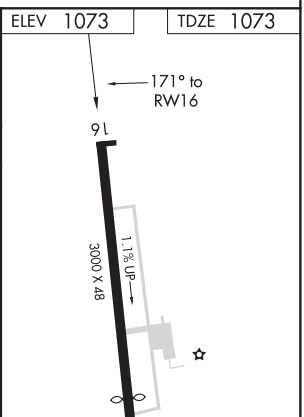
MISSED APPROACH: Climb to 1500 then climbing right turn to 3000 direct JETGI and hold.

AWOS-3	ST JOSEPH APP CON ★	UNICOM
123.675	120.35 360.8	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1600-1 527 (600-1)		NA	
C CIRCLING	1600-1 527 (600-1)	1620-1 547 (600-1)	NA	



LIRL Rwy 16-34 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LOC I-AUG	APP CRS	Rwy ldg	5001
108.7	171°	TDZE	348
		Apt Elev	352

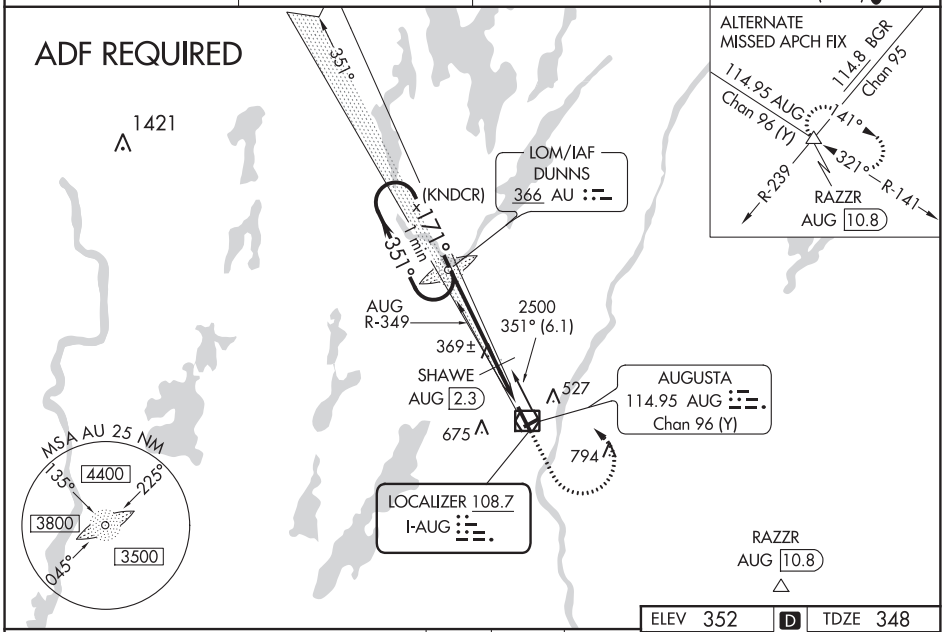
ILS or LOC RWY 17
AUGUSTA STATE (AUG)

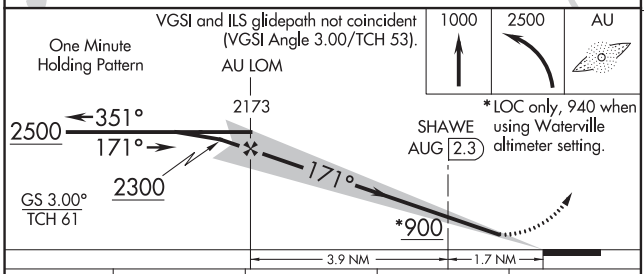
ADF required. Localizer unusable from 0.5 NM to threshold above 1500 feet. When local altimeter setting not received, use Waterville altimeter setting: increase S-ILS 17 DA to 583; increase all MDAs 40 feet and visibility S-LOC 17 Cat C and D ⅛ SM, and Circling Cat D ¼ SM; SHAWE fix minimums increase S-LOC 17 Cat C and D visibility ⅛ SM, and Circling Cat D visibility ¼ SM. Glideslope unusable below 430 feet. When Circling to Rwy 8, 26 at night operational VGSI required remain on or above VGSI glidepath until threshold. % DME from AUG VOR/DME.

MALSR

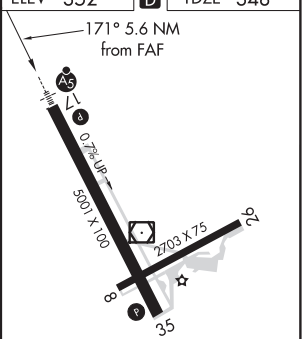
MISSED APPROACH: Climb to 1000 then climbing left turn to 2500 direct DUNNS LOM and hold.

ASOS	PORTLAND APP CON ★	CLNC DEL	UNICOM
118.325	128.35 299.2	119.95 299.2	123.0 (CTAF) L





ELEV 352 | D | TDZE 348



HIRL Rwy 17-35 L
MIRL Rwy 8-26 L
REIL Rwy 35 L

CATEGORY	A	B	C	D
S-ILS 17	548-½ 200 (200-½)			
S-LOC 17	900-½ 552 (600-½)		900-1¼ 552 (600-1¼)	
C CIRCLING	940-1 588 (600-1)	980-1 628 (700-1)	980-1¾ 628 (700-1¾)	1160-2½ 808 (900-2½)
SHAWE FIX MINIMUMS %				
S-LOC 17	620-½ 272 (300-½)			
C CIRCLING	940-1 588 (600-1)	980-1 628 (700-1)	980-1¾ 628 (700-1¾)	1160-2½ 808 (900-2½)

FAF to MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WAAS CH 70720 W17A	APP CRS 171°	Rwy ldg 5001 TDZE 348 Apt Elev 352

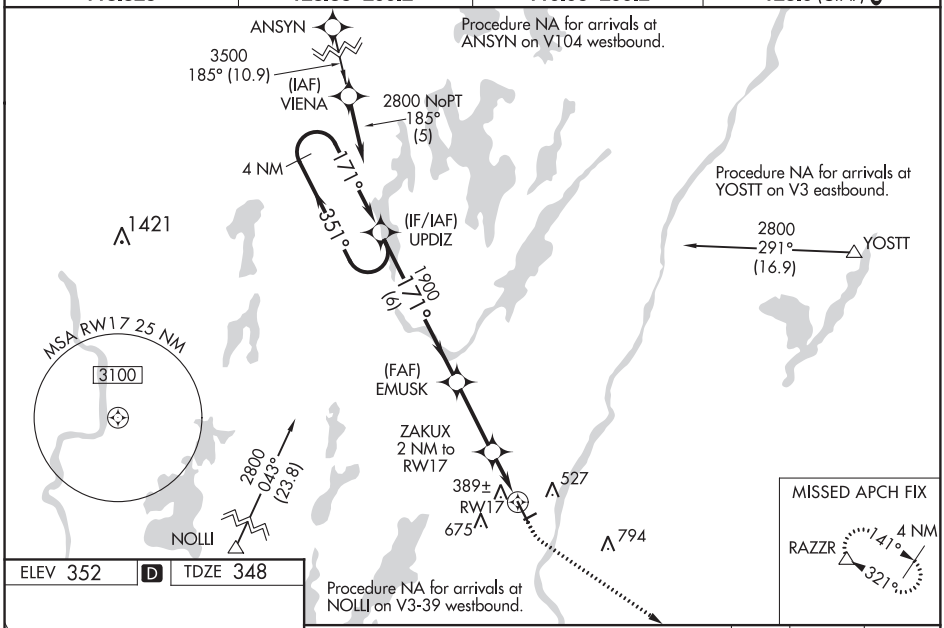
RNAV (GPS) RWY 17
AUGUSTA STATE (AUG)

DME/DME RNP-0.3 NA. For inop MALSR, increase LNAV/VNAV all Cats visibility to 1 mile. For inop MALSR when using Waterville altimeter setting, increase LNAV/VNAV all Cats visibility to 1⅛ mile. VDP and Baro-VNAV NA with Waterville altimeter setting. When local altimeter setting not received, use Waterville altimeter setting: increase LPV DA to 583 feet, LNAV/VNAV DA to 710 feet, and visibility LNAV/VNAV all Cats ⅛ SM; increase all MDA 40 feet and visibility LNAV Cats C and D ⅛ SM, and Circling Cat D ¼ SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -30°C (-22°F) or above 41°C (105°F). Rwy 8, 26 helicopter visibility below 1 SM NA. Circling Rwy 8 and 26 NA at night. When VGSI inop, Circling Rwy 35 NA at night.

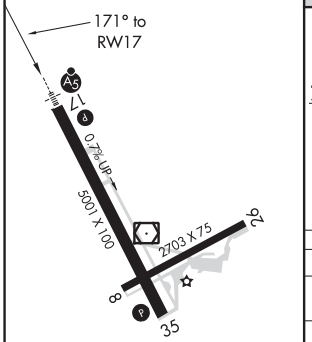
MALSR

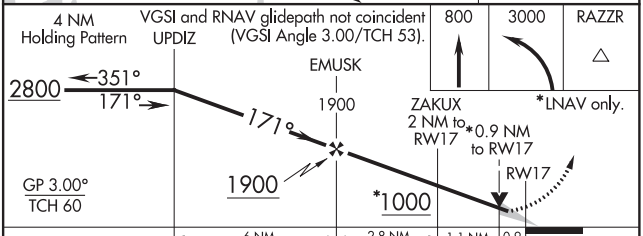
MISSED APPROACH: Climb to 800 then climbing left turn to 3000 direct RAZZR and hold.

ASOS	PORTLAND APP CON ★	CLNC DEL	UNICOM
118.325	128.35 299.2	119.95 299.2	123.0 (CTAF) L



ELEV 352 D TDZE 348





CATEGORY	A	B	C	D
LPV DA	548-½ 200 (200-½)			
LNAV/VNAV DA	675-⅝ 327 (400-⅝)			
LNAV MDA	640-½ 292 (300-½)			
C CIRCLING	960-1 608 (700-1)	980-1 628 (700-1)	980-1¾ 628 (700-1¾)	1160-2½ 808 (900-2½)

MIRL Rwy 8-26 L
HIRL Rwy 17-35 L
REIL Rwy 35 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

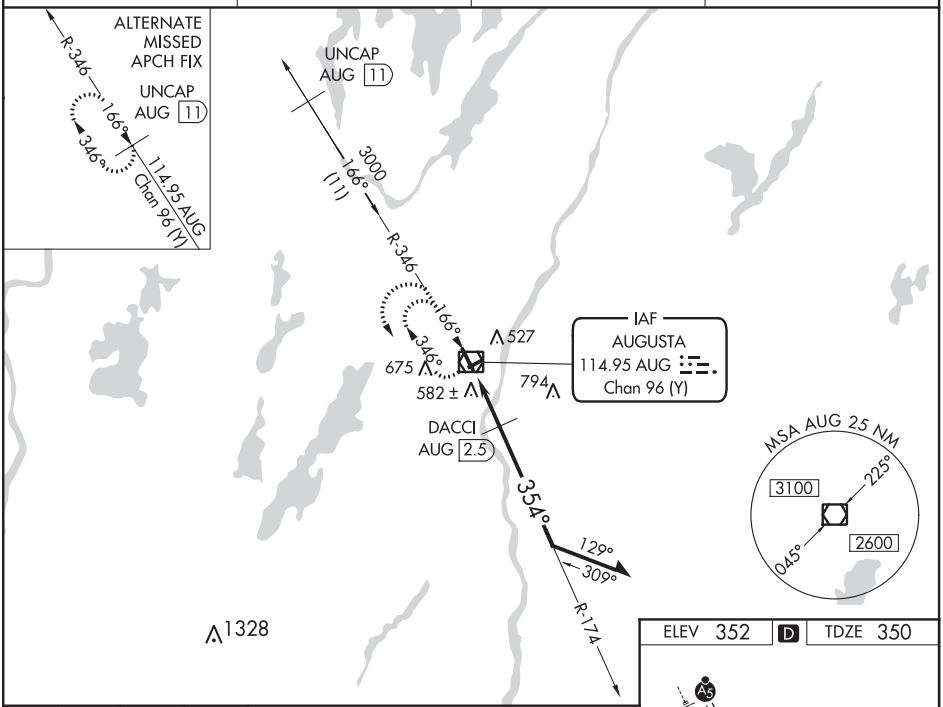
VOR/DME AUG 114.95 Chan 96 (Y)	APP CRS 354°	Rwy ldg 5001 TDZE 350 Apt Elev 352

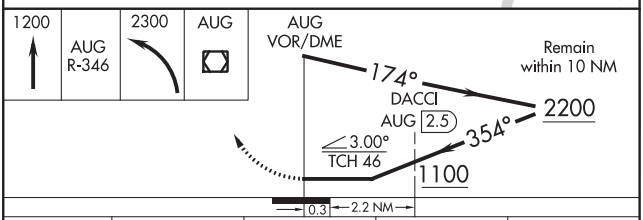
VOR RWY 35
AUGUSTA STATE (AUG)

T A Visibility reduction by helicopters NA. When local altimeter setting not received, use Waterville altimeter setting: increase all MDA 40 feet and visibility S-35 Cats C and D ½ SM, and Circling Cat D ¼ SM; DACCI fix minimums increase visibility S-35 Cats C and D ⅛ SM, and Circling Cat D ¼ SM. When VGSI inop, Straight-in/Circling Rwy 35 procedure NA at night. Rwy 8, 26 helicopter visibility reduction below 1 SM NA. Circling Rwy 8, 26 NA at night.

MISSED APPROACH: Climb to 1200 on AUG VOR/DME R-346, then climbing left turn to 2300 direct AUG VOR/DME and hold.

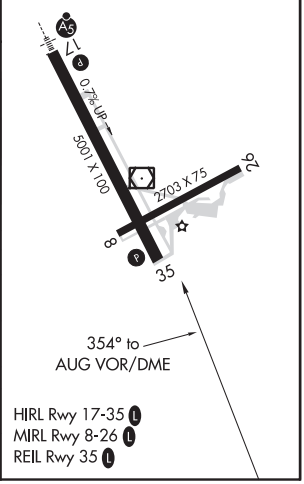
ASOS	PORTLAND APP CON ★	CLNC DEL	UNICOM
118.325	128.35 299.2	119.95 299.2	123.0 (CTAF) L





CATEGORY	A	B	C	D
S-35	1100-1 750 (800-1)	1100-1¼ 750 (800-1¼)	1100-2	750 (800-2)
C CIRCLING	1100-1 748 (800-1)	1100-1¼ 748 (800-1¼)	1100-2¼ 748 (800-2¼)	1160-2½ 808 (900-2½)
DACCI FIX MINIMUMS				
S-35	840-1	490 (500-1)	840-1⅜	490 (500-1⅜)
C CIRCLING	960-1 608 (700-1)	980-1 628 (700-1)	980-1¾ 628 (700-1¾)	1160-2½ 808 (900-2½)

ELEV 352 D TDZE 350



HIRL Rwy 17-35 L
MIRL Rwy 8-26 L
REIL Rwy 35 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

BAKERSFIELD, CALIFORNIA AL-36 (FAA) 20282

WAAS CH 78418 W12A	APP CRS 121°	Rwy ldg 10849 TDZE 510 Apt Elev 510

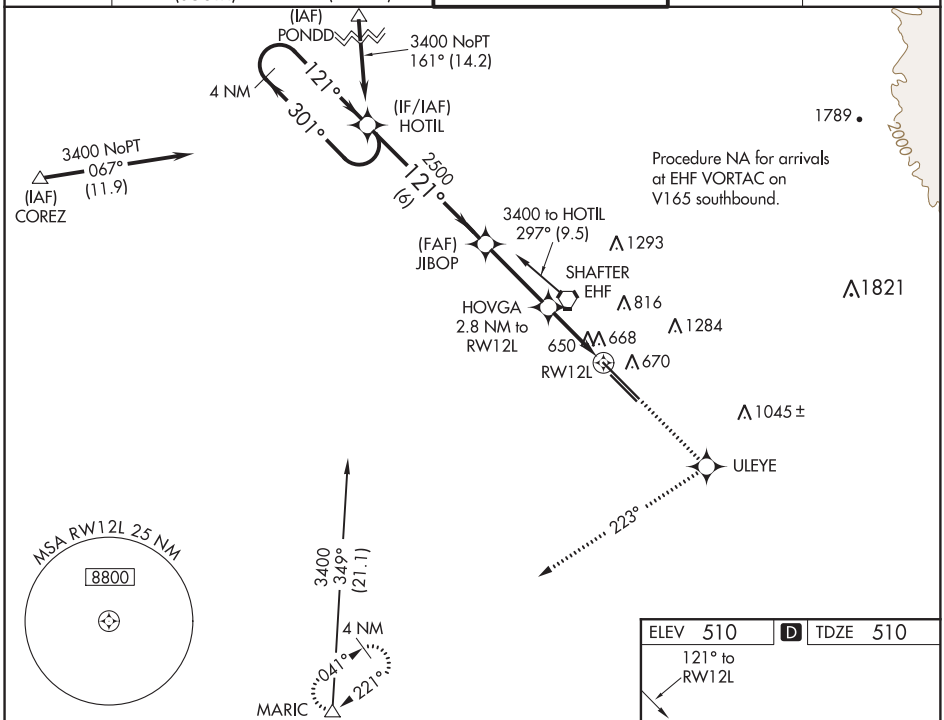
RNAV (GPS) RWY 12L
MEADOWS FIELD (BFL)

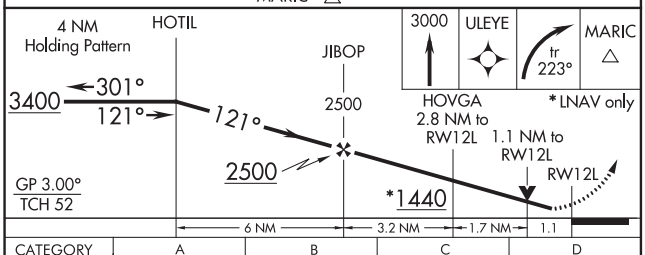
RNP APCH.

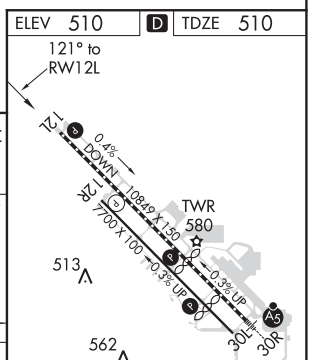
Baro-VNAV NA when using Porterville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Rwy 12L helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Porterville altimeter setting and increase all DA 92 feet, all MDA 100 feet, increase LPV all Cats, LNAV/VNAV all Cats and LNAV Cats C/D visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct ULEYE and right turn on track 223° to MARIC and hold.

ATIS	BAKERSFIELD APP CON ★	BAKERSFIELD TOWER ★	GND CON	UNICOM
118.6	118.8 284.625 (SOUTH) 118.9 270.3 (NORTH)	118.1 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D
LPV DA	760-1 250 (300-1)			
LNAV/VNAV DA	1073-2 563 (600-2)			
LNAV MDA	920-1 410 (500-1)		920-1¼ 410 (500-1¼)	

TDZ/CL Rwy 30R
HIRL Rwy 12L-30R L
MIRL Rwy 12R-30L L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ILS or LOC RWY 22
HANCOCK COUNTY-BAR HARBOR (BHB)

LOC/DME I-BHB	APP CRS	Rwy ldg	5200
108.3	224°	TDZE	83
Chan 20		Apt Elev	83

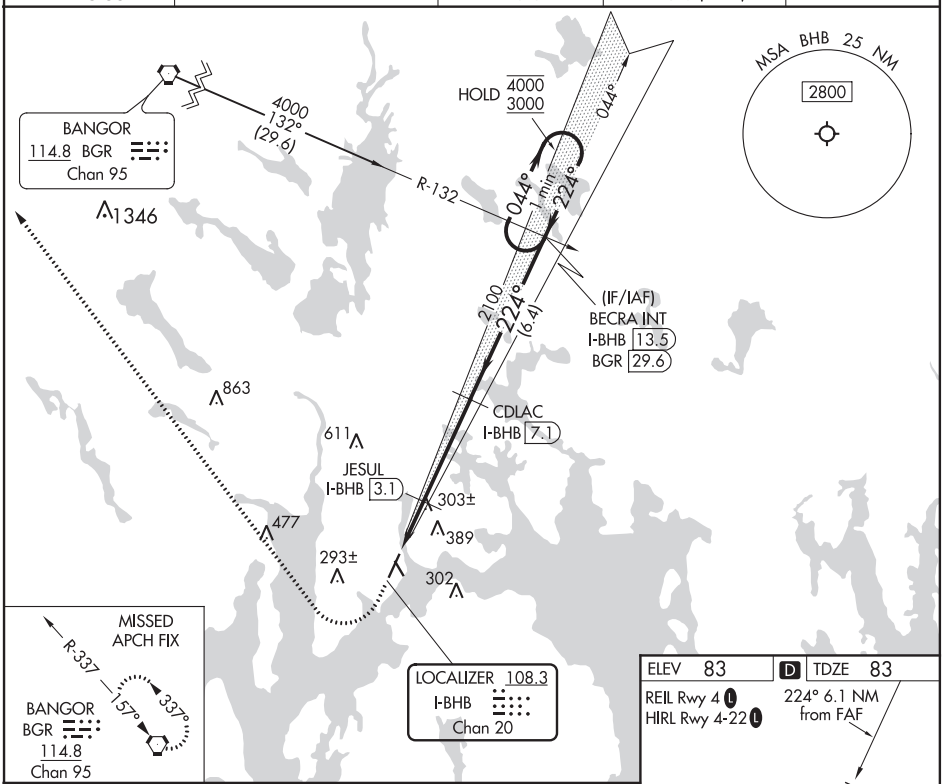
DME required.

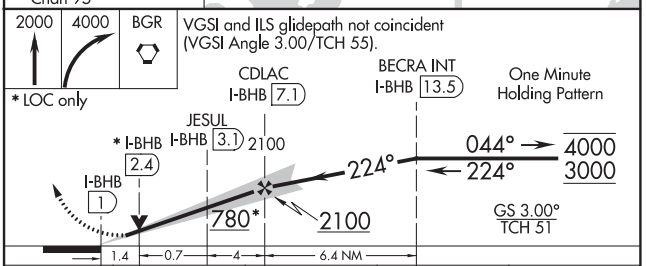
Circling Rwy 17, 35 NA at night.
For inop ALS, increase S-LOC Cat C visibility to 1⅜ SM.

MALSF

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 direct BGR VORTAC and hold.

AWOS-3PT	BANGOR APP CON	CLNC DEL	UNICOM	
118.35	133.6 284.65	119.9	123.0 (CTAF)	122.7 L



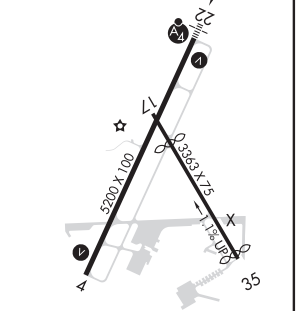


CATEGORY	A	B	C	D
S-ILS 22	283-¾ 200 (200-¾)			
S-LOC 22	580-¾ 497 (500-¾)		580-1¼ 497 (500-1¼)	580-1½ 497 (500-1½)
CIRCLING	600-1 517 (600-1)	620-1 537 (600-1)	700-1¾ 617 (700-1¾)	700-2 617 (700-2)

ELEV 83 | D | TDZE 83

REIL Rwy 4 L
HIRL Rwy 4-22 L

224° 6.1 NM from FAF



FAF to MAP 6.1 NM					
Knots	60	90	120	150	180
Min:Sec	6:06	4:04	3:03	2:26	2:02

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

BELEN, NEW MEXICO | AL-6564 (FAA) | 20282

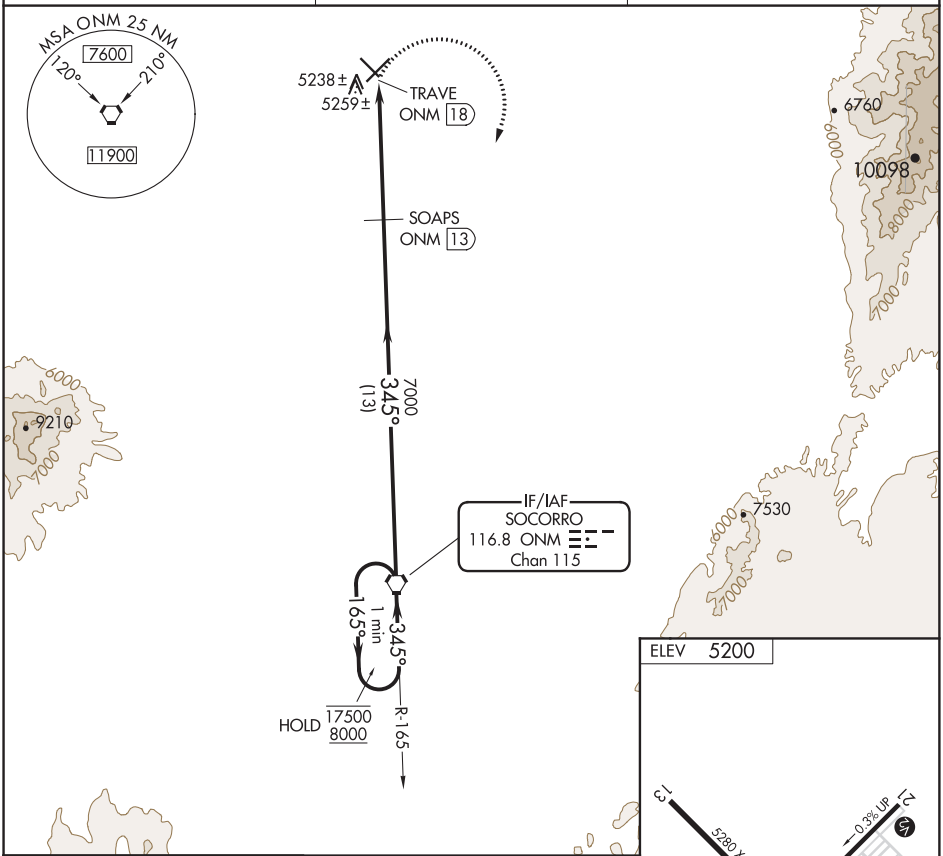
VOR-A
BELEN RGNL (BRG)

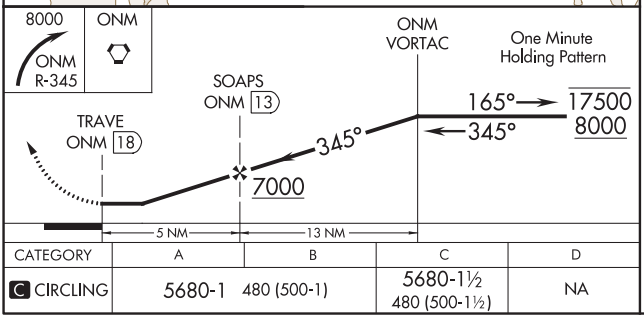
VORTAC ONM	APP CRS	Rwy ldg	N/A
116.8	345°	TDZE	N/A
Chan 115		Apt Elev	5200

DME required.

MISSED APPROACH: Climbing right turn to 8000 on ONM VORTAC R-345 to ONM VORTAC and hold.

AWOS-3PT	ALBUQUERQUE APP CON	UNICOM
118.55	123.9 354.1	122.8 (CTAF) L





CATEGORY	A	B	C	D
C CIRCLING	5680-1 480 (500-1)		5680-1½ 480 (500-1½)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	3704
132°	TDZE	819
	Apt Elev	827

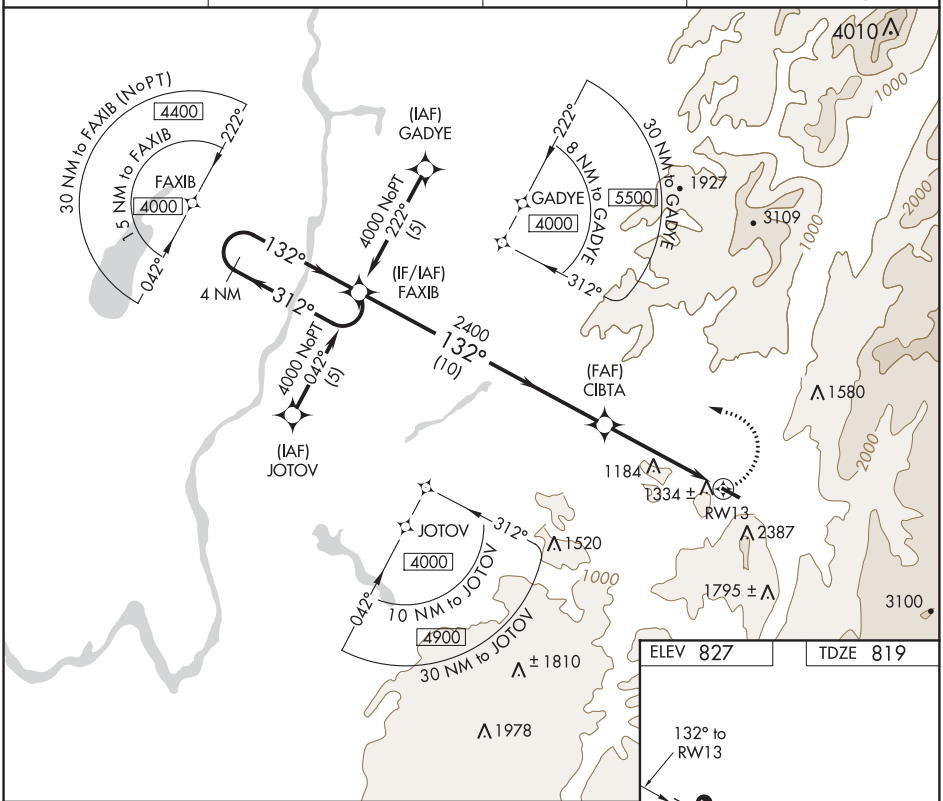
RNAV (GPS) RWY 13
WILLIAM H MORSE STATE (DDH)

NA
-13°C

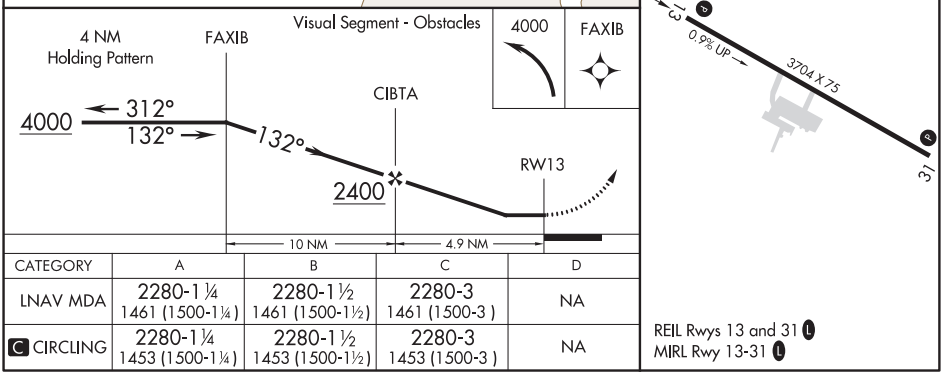
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night. Circling NA southwest of Rwy 13-31. When local altimeter setting not received use North Adams, MA altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climbing left turn to 4000 direct FAXIB and hold.

ASOS	ALBANY APP CON		GCO	UNICOM
135.925	132.825	307.2	121.725	122.8 (CTAF) L



ELEV 827 TDZE 819



CATEGORY	A	B	C	D
LNAV MDA	2280-1¼ 1461 (1500-1¼)	2280-1½ 1461 (1500-1½)	2280-3 1461 (1500-3)	NA
C CIRCLING	2280-1¼ 1453 (1500-1¼)	2280-1½ 1453 (1500-1½)	2280-3 1453 (1500-3)	NA

REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

BIDDEFORD, MAINE | AL-6015 (FAA) | 20282

APP CRS	Rwy ldg	3000
058°	TDZE	157
	Apt Elev	157

RNAV (GPS) RWY 6
BIDDEFORD MUNI (B19)

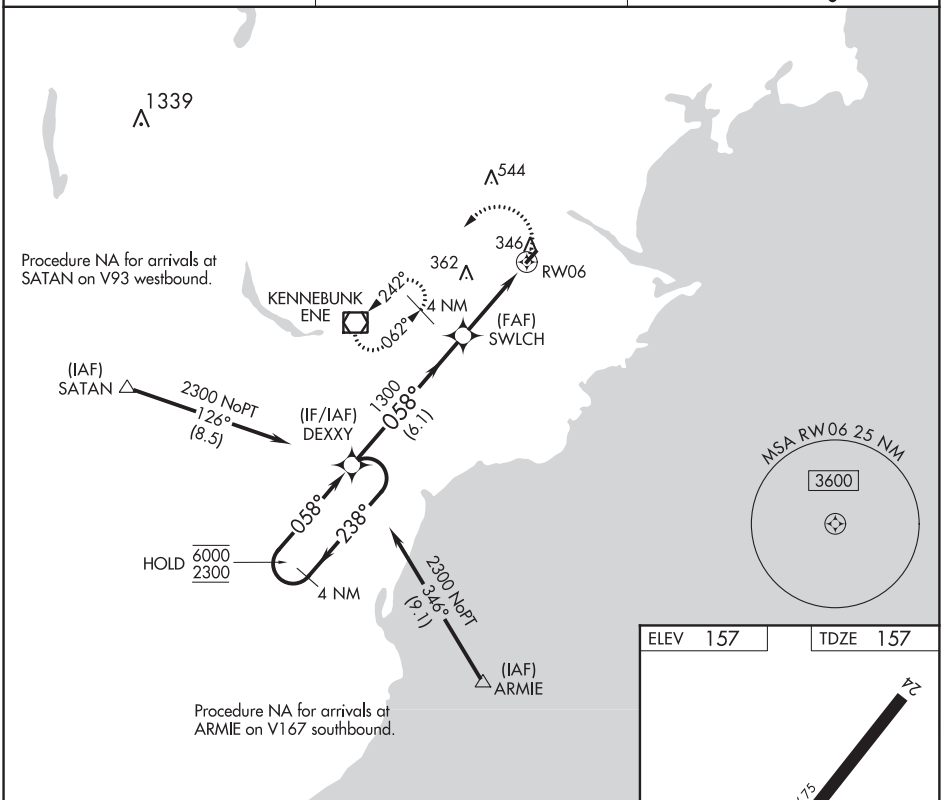
RNP APCH.

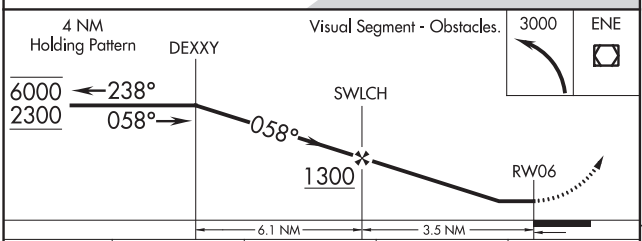
NA

Procedure NA at night. Rwy 6 helicopter visibility reduction below 1 SM NA. Obtain local altimeter setting on CTAF; when not received use Sanford altimeter setting and increase all MDA 40 feet and LNAV Cat C visibility ⅛ SM.

MISSED APPROACH: Climbing left turn to 3000 direct ENE VOR/DME and hold, continue climb-in-hold to 3000.

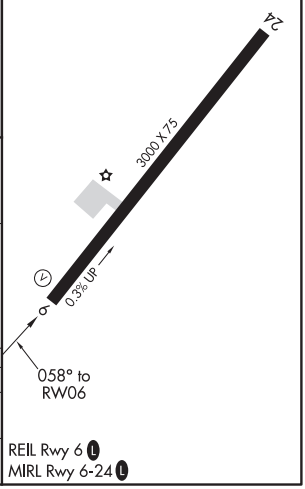
PORTLAND APP CON ★	CLNC DEL	UNICOM
119.75 269.35	126.05	123.0 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	680-1	523 (600-1)	680-1½ 523 (600-1½)	NA
CIRCLING	780-1	623 (700-1)	780-1¾ 623 (700-1¾)	NA

ELEV 157 | TDZE 157



REIL Rwy 6 L
MIRL Rwy 6-24 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

RNAV (GPS) RWY 36
FREEWAY (W00)

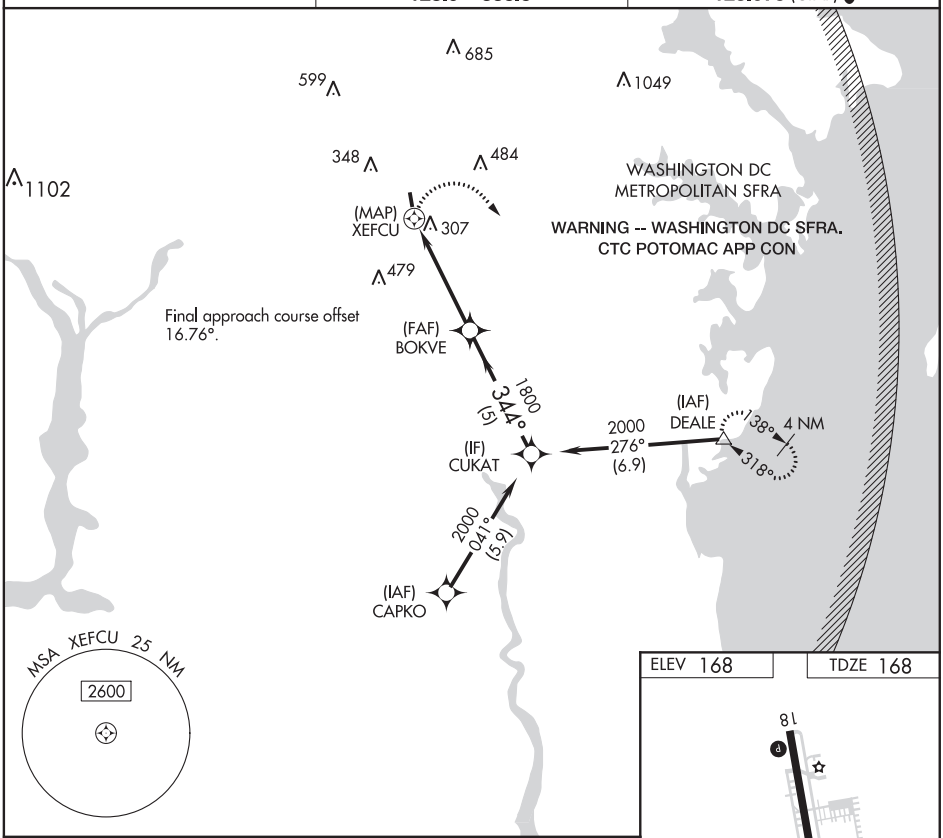
APP CRS	Rwy ldg	2190
344°	TDZE	168
	Apt Elev	168

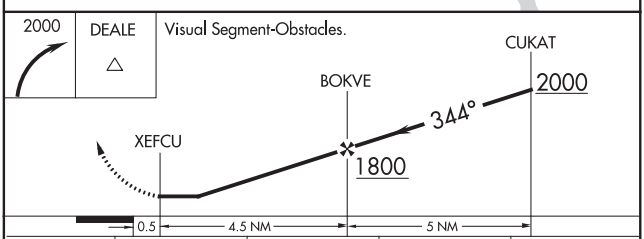
RNP APCH.

NA — Procedure NA at night. Rwy 36 helicopter visibility reduction below 1 SM NA. Use Fort Meade (Odenton) altimeter setting; when not received, use College Park altimeter setting and increase all MDAs 20 feet.

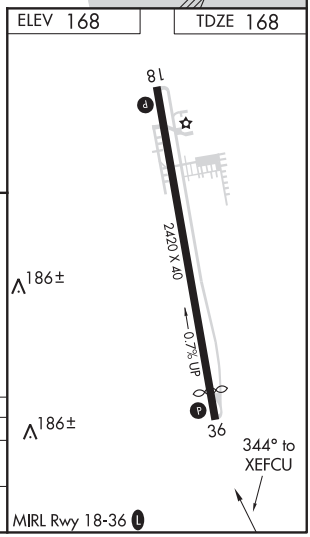
MISSED APPROACH: Climbing right turn to 2000 direct DEALE and hold.

FME AWOS-3	POTOMAC APP CON	UNICOM
123.925	128.0 335.5	123.075 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	700-1 532 (600-1)		NA	
C CIRCLING	700-1 532 (600-1)	760-1 592 (600-1)	NA	



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

BRIDGEPORT, TEXAS | AL-5825 (FAA) | 20282

RNAV (GPS) RWY 18
BRIDGEPORT MUNI (XBP)

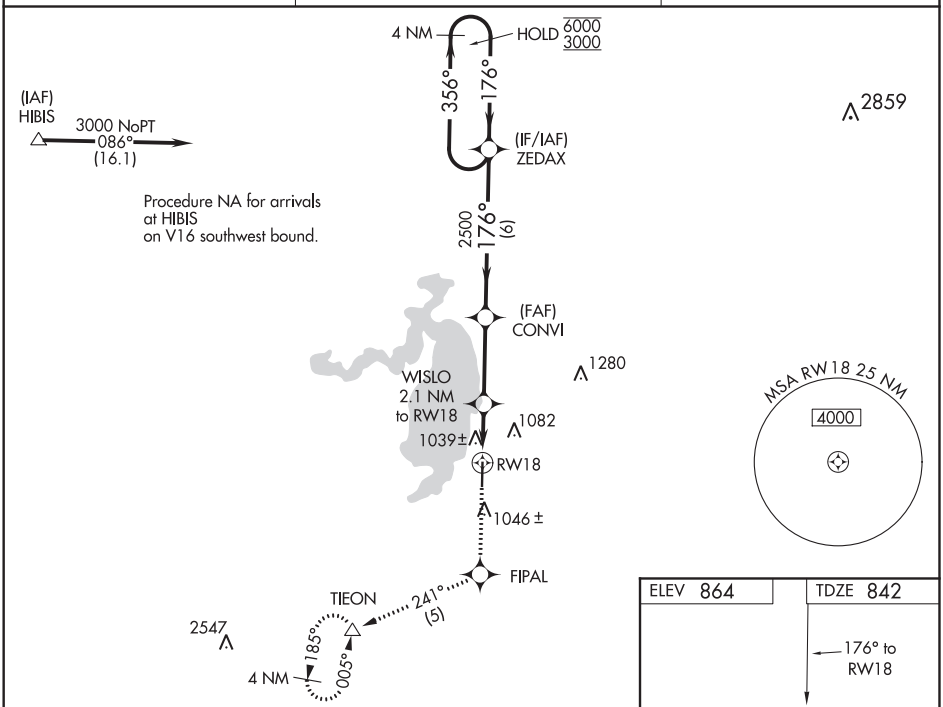
WAAS CH 49215 W18A	APP CRS 176°	Rwy ldg 5005 TDZE 842 Apt Elev 864

RNP APCH.

Baro-VNAV and VDP NA when using Decatur altimeter setting. Rwy 18 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. When local altimeter setting not received, use Decatur altimeter setting and increase LPV DA to 1342 feet and LNAV/VNAV DA to 1423 feet; increase all MDAs 60 feet.

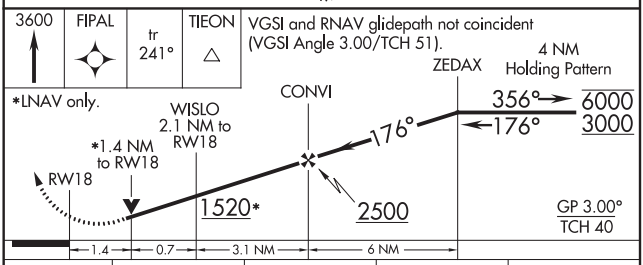
MISSED APPROACH: Climb to 3600 direct FIPAL and on track 241° to TIEON and hold, continue climb-in-hold to 3600.

AWOS-3	FORT WORTH CENTER	UNICOM
119.225	127.0 360.6	123.0 (CTAF)

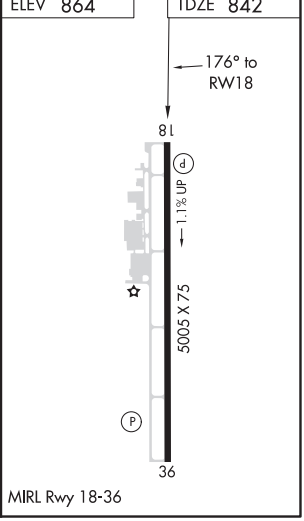


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	1285-1½ 443 (500-1½)		NA	
LNAV/VNAV DA	1366-2 524 (600-2)		NA	
LNAV MDA	1300-1 458 (500-1)		NA	
C CIRCLING	1480-1 616 (700-1)		NA	



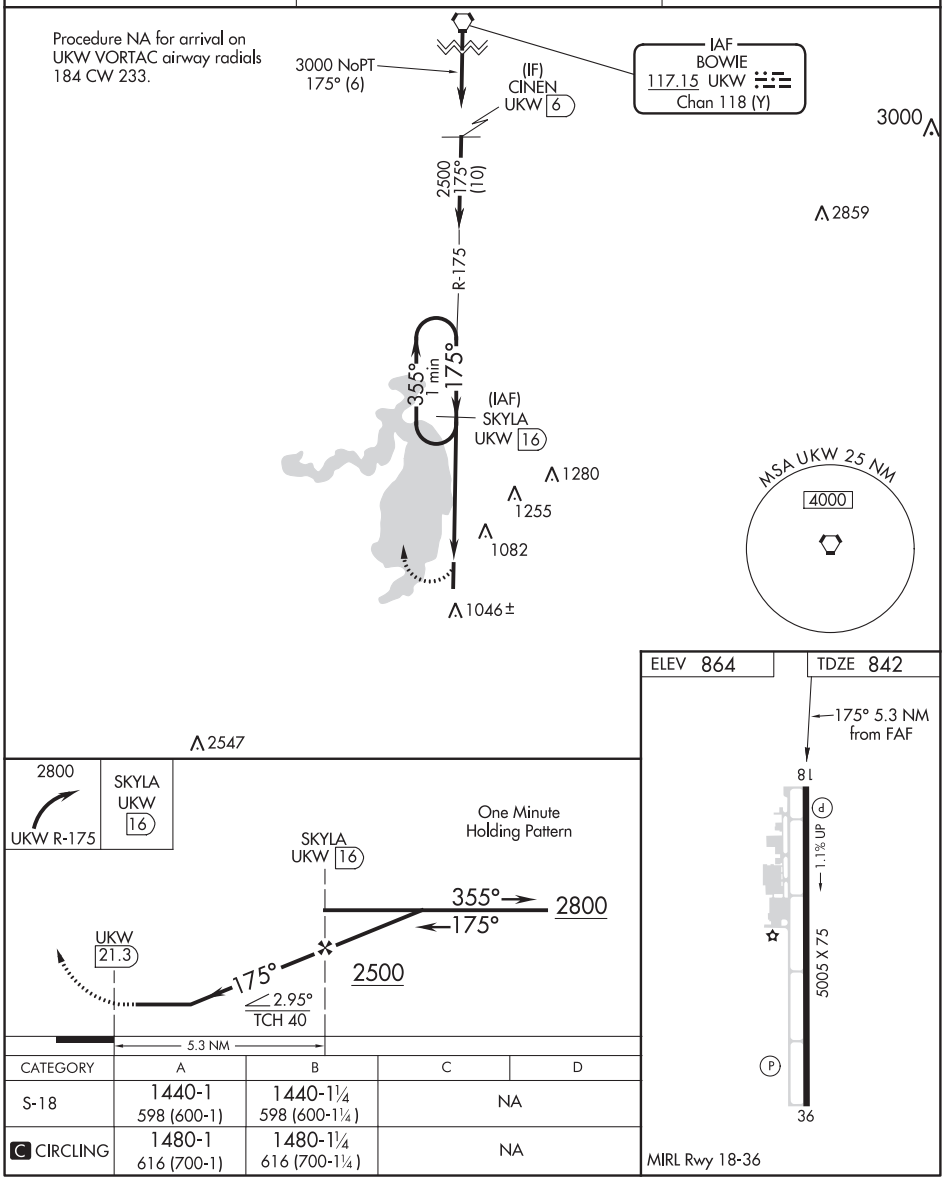
VOR/DME RWY 18
BRIDGEPORT MUNI (XBP)

VORTAC UKW	APP CRS	Rwy ldg	5005
117.15	175°	TDZE	842
Chan 118 (Y)		Apt Elev	864

Visibility reduction by helicopters NA. When local altimeter setting not received, use Decatur altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climbing right turn to 2800 via UKW VORTAC R-175 to SKYLA/UKW 16 DME and hold.

AWOS-3	FORT WORTH CENTER	UNICOM
119.225	127.0 360.6	123.0 (CTAF)



CATEGORY	A	B	C	D
S-18	1440-1 598 (600-1)	1440-1¼ 598 (600-1¼)	NA	
C CIRCLING	1480-1 616 (700-1)	1480-1¼ 616 (700-1¼)	NA	

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

CHEBOYGAN, MICHIGAN AL-6096 (FAA) 20282

WAAS CH 50224 W10A	APP CRS 097°	Rwy ldg 4005 TDZE 640 Apt Elev 640

RNAV (GPS) RWY 10
CHEBOYGAN COUNTY (SLH)

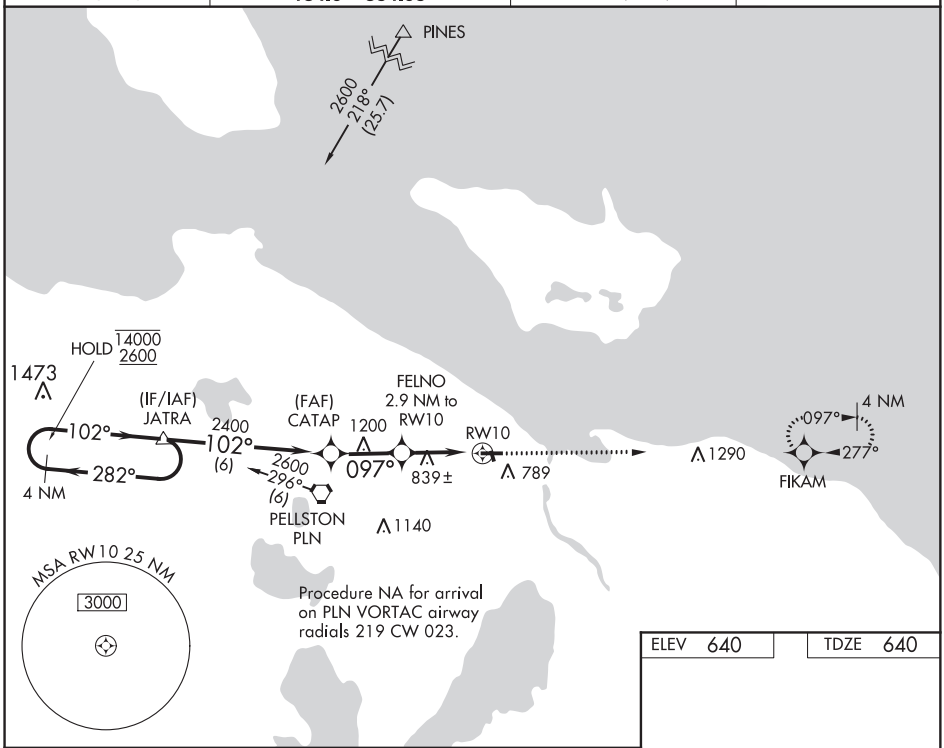
RNP APCH.

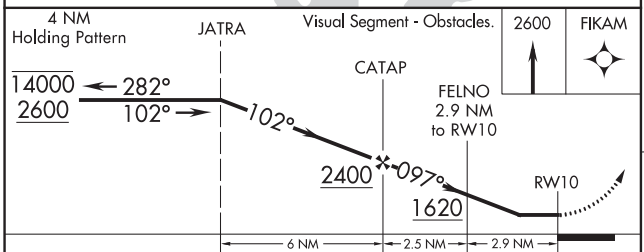
Helicopter visibility reduction below 1 SM NA. Straight-in Rwy 10 NA at night, Circling Rwy 10, 17, 35 NA at night. When local altimeter setting not received, use Pellston altimeter setting; increase all MDA 60 feet, increase LP and LNAV Cat C visibility ⅛ SM.

MISSED APPROACH: Climb to 2600 direct FIKAM and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM	
118.175	134.6 354.05	122.8 (CTAF)	122.5 L

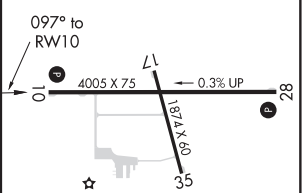
08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
LP MDA	1060-1 420 (500-1)		1060-1¼ 420 (500-1¼)	NA
LNAV MDA	1100-1 460 (500-1)		1100-1⅜ 460 (500-1⅜)	NA
C CIRCLING	1140-1 500 (500-1)		1140-1½ 500 (500-1½)	NA

ELEV 640 TDZE 640



REIL Rwys 10 and 28 L
MIRL Rwy 10-28 and 17-35 L

WAAS CH 99727 W28A	APP CRS 277°	Rwy ldg 4005 TDZE 637 Apt Elev 640

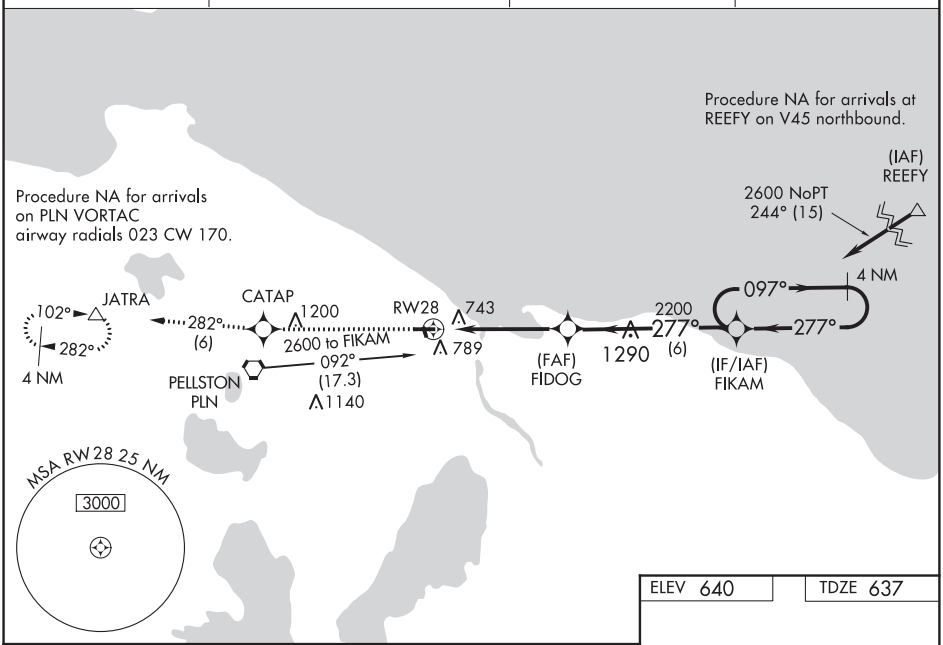
RNAV (GPS) RWY 28
CHEBOYGAN COUNTY (SLH)

RNP APCH.

Night landing Rwy 17, 35 NA. Baro-VNAV NA when using Pellston altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Pellston altimeter setting; increase all DA 41 feet and all MDA 60 feet and increase LNAV/VNAV all Cats visibility ¼ SM and LNAV Cat C visibility ⅛ SM.

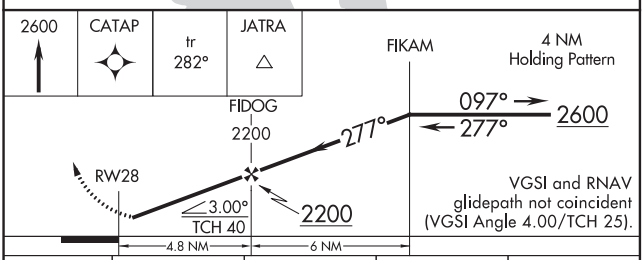
MISSED APPROACH: Climb to 2600 direct CATAP and on track 282° to JATRA and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM	
118.175	134.6 354.05	122.8 (CTAF)	122.5 L

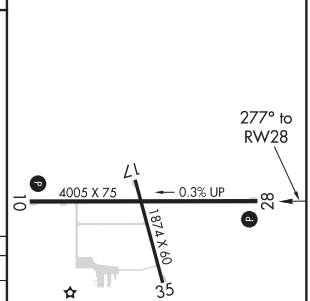


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



ELEV 640 TDZE 637



CATEGORY	A	B	C	D
LPV DA	887-1 250 (300-1)			NA
LNAV/VNAV DA	953-1 316 (400-1)			NA
LNAV MDA	1060-1 423 (500-1)		1060-1¼ 423 (500-1¼)	NA
C CIRCLING	1140-1 500 (500-1)		1140-1½ 500 (500-1½)	NA

REIL Rwys 10 and 28 L
MIRL Rwy 10-28 and 17-35 L

CHEBOYGAN, MICHIGAN AL-6096 (FAA) 20282

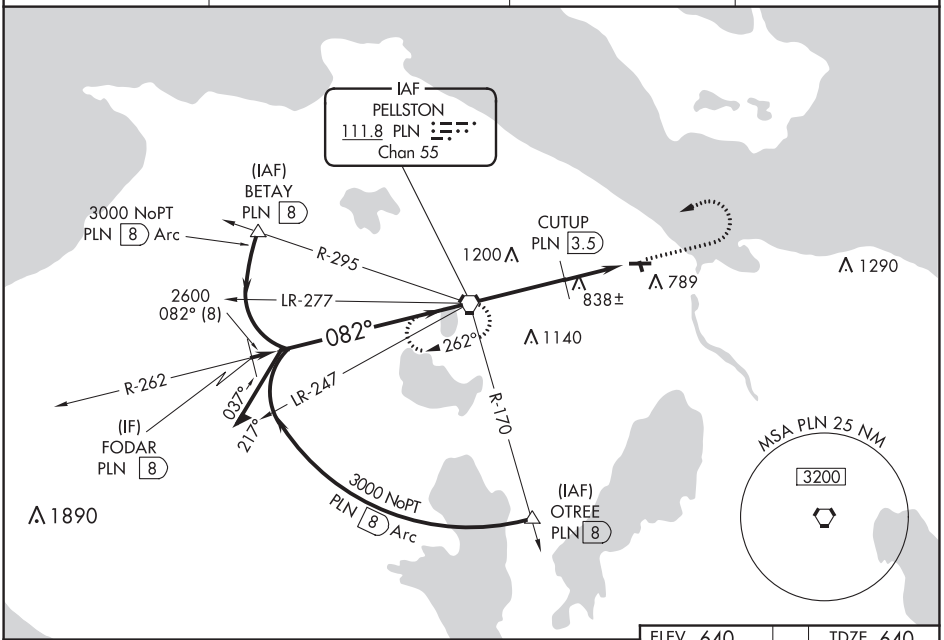
VORTAC PLN	APP CRS	Rwy ldg	4005
111.8	082°	TDZE	640
Chan 55		Apt Elev	640

VOR RWY 10
CHEBOYGAN COUNTY (SLH)

Helicopter visibility reduction below 1 SM NA. Night landing Rwy 10, 17, 35 NA. When local altimeter setting not received, use Pellston altimeter setting; increase all MDA 60 feet; increase S-10 Cat B visibility ¼ SM, S-10 Cat C visibility ½ SM, Circling Cat B visibility ¼ SM and Circling Cat C visibility ½ SM; increase CUTUP fix minimums S-10 Cat C visibility ⅛ SM.

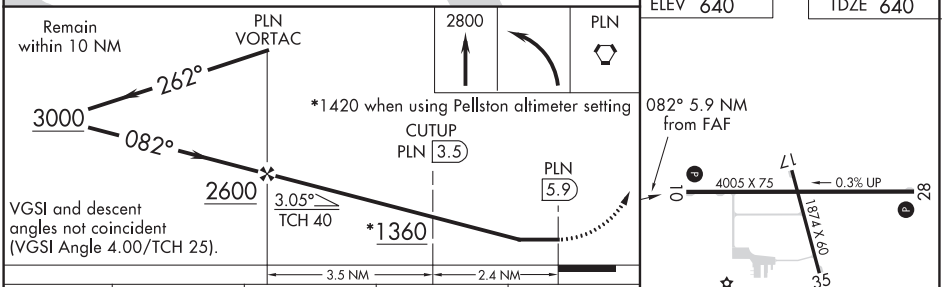
MISSED APPROACH: Climb to 2800 then left turn direct PLN VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM	
118.175	134.6 354.05	122.8 (CTAF)	122.5 L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



ELEV 640 TDZE 640

082° 5.9 NM from FAF

CATEGORY	A	B	C	D
S-10	1360-1	720 (800-1)	1360-2 720 (800-2)	NA
C CIRCLING	1360-1	720 (800-1)	1360-2 720 (800-2)	NA
CUTUP FIX MINIMUMS				
S-10	1100-1	460 (500-1)	1100-1⅜ 460 (500-1⅜)	NA
C CIRCLING	1140-1	500 (500-1)	1140-1½ 500 (500-1½)	NA

REIL Rwys 10 and 28 L
MIRL Rwy 10-28 and 17-35 L

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

ILS or LOC RWY 2L

DUPAGE (DPA)

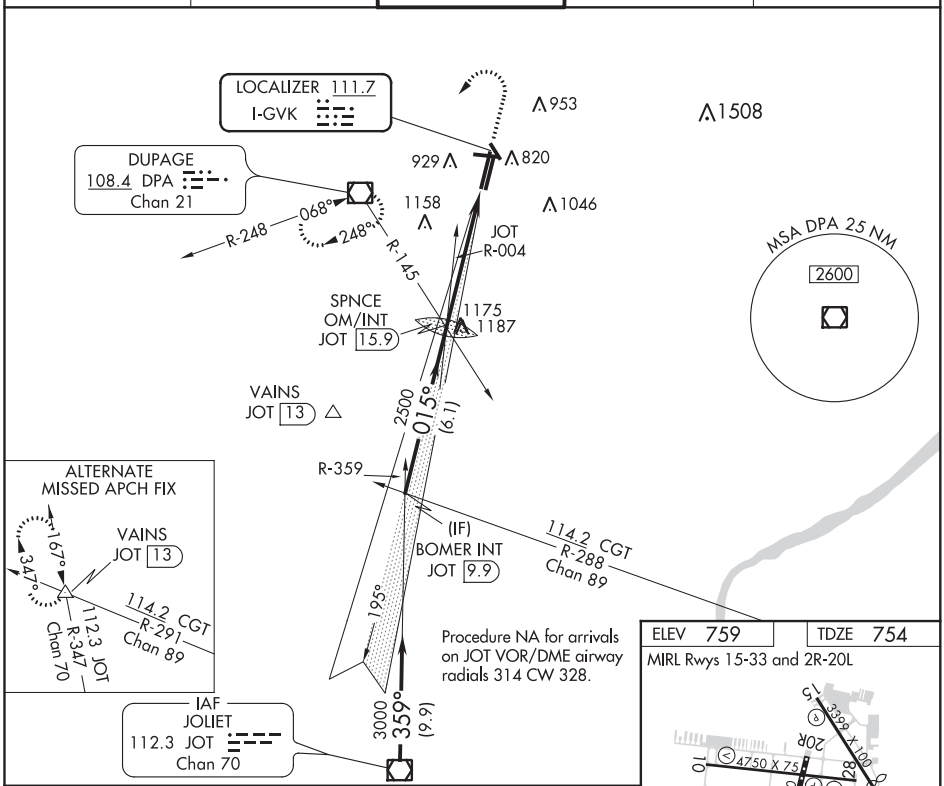
LOC I-GVK	APP CRS	Rwy ldg	7571
111.7	015°	TDZE	754
		Apt Elev	759

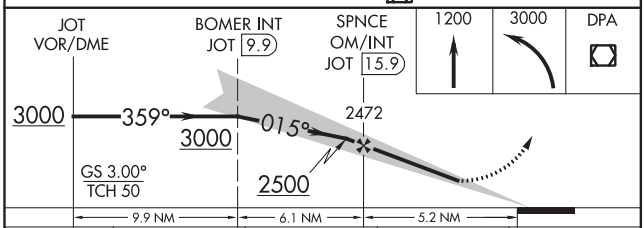
Circling Rwy 15, 28, 33 NA at night. When local altimeter setting not received, use Aurora altimeter setting and increase all DA 37 feet and all MDA 40 feet. For inop ALS, increase S-LOC 2L Cat C/D visibility to 2 SM. For inop ALS when using Aurora altimeter setting, increase S-LOC 2L Cat C/D visibility to 2½ SM.

MALSR

MISSED APPROACH: Climb to 1200 then climbing left turn to 3000 direct DPA VOR/DME and hold, continue climb-in-hold to 3000.

ATIS	CHICAGO APP CON	DUPAGE TOWER	GND CON	CLNC DEL
132.075	133.5 349.0	120.9 257.8	121.8	119.75

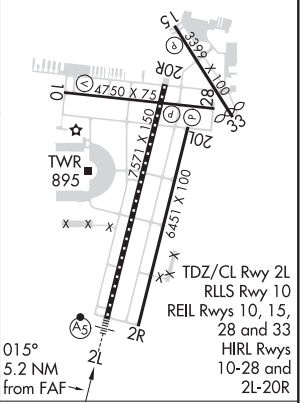




CATEGORY	A	B	C	D
S-ILS 2L	954-½ 200 (200-½)			
S-LOC 2L	1500-½ 746 (800-½)	1500-¾ 746 (800-¾)	1500-1¾ 746 (800-1¾)	
C CIRCLING	1500-1 741 (800-1)	1500-1¼ 741 (800-1¼)	1500-2¼ 741 (800-2¼)	1500-2½ 741 (800-2½)

ELEV 759 TDZE 754

MIRL Rwys 15-33 and 2R-20L



FAF to MAP 5.2 NM

Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

CLINTON, MARYLAND

AL-6996 (FAA)

20282

RNAV (GPS) RWY 5

WASHINGTON EXECUTIVE/HYDE FIELD (W32)

APP CRS	Rwy ldg	3000
052°	TDZE	249
	Apt Elev	249

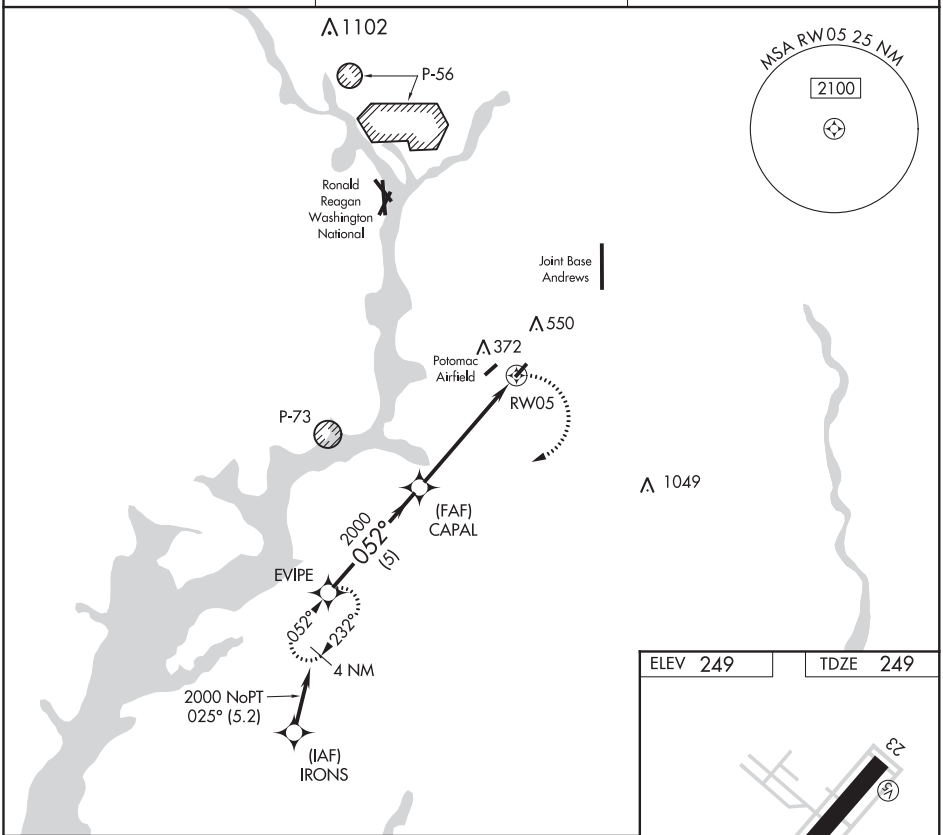
RNP APCH.

NA

Use Joint Base Andrews altimeter setting.
Circling NW Rwy 5-23 NA.

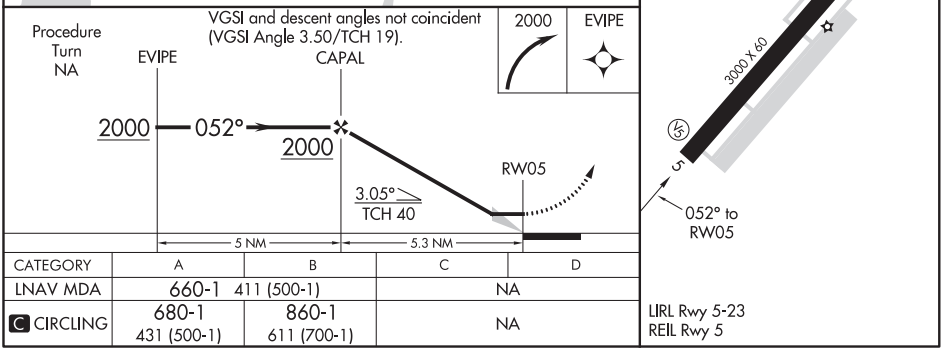
MISSED APPROACH: Climbing right turn to 2000 direct EVIPE WP and hold.

ADW ATIS	POTOMAC APP CON	UNICOM
133.675 251.05	124.7 338.2	122.8 (CTAF)



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	660-1 411 (500-1)		NA	
C CIRCLING	680-1 431 (500-1)	860-1 611 (700-1)	NA	

LIRL Rwy 5-23
REIL Rwy 5

CLINTON, MARYLAND
Orig-C 08OCT20

38°45′N-76°56′W

WASHINGTON EXECUTIVE/HYDE FIELD (W32)

RNAV (GPS) RWY 5

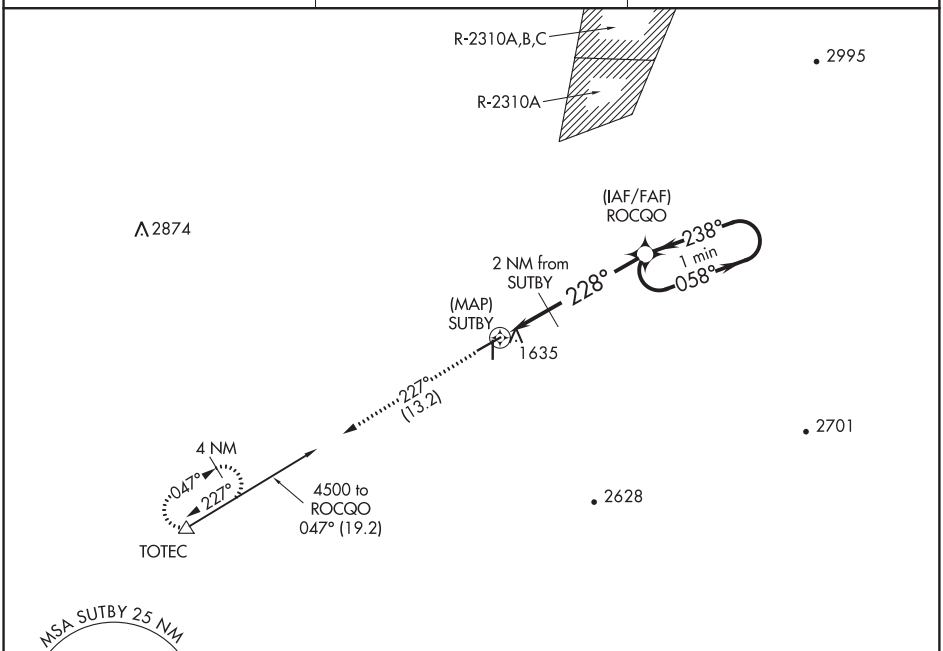
APP CRS	Rwy ldg	5564
228°	TDZE	1574
	Apt Elev	1576

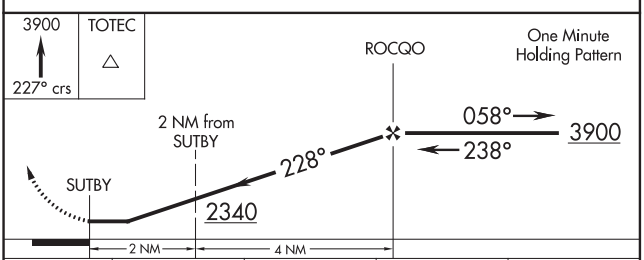
GPS RWY 23
COOLIDGE MUNI (P08)

T NA — Circling Rwys 17-35 NA at night. When local altimeter setting not received, use Casa Grande altimeter setting and increase all MDAs 60 feet.

MISSED APPROACH: Climb to 3900 via 227° course to TOTEC and hold.

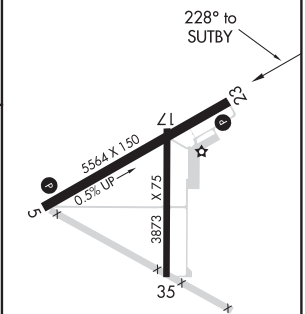
AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.350	125.4 269.3	123.075 (CTAF) L





CATEGORY	A	B	C	D
S-23	2060-1	486 (500-1)	NA	
C CIRCLING	2100-1	524 (600-1)	NA	

ELEV 1576 TDZE 1574



MIRL Rwys 5-23 and 17-35 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

COTULLA, TEXAS

AL-907 (FAA)

20282

VOR-A

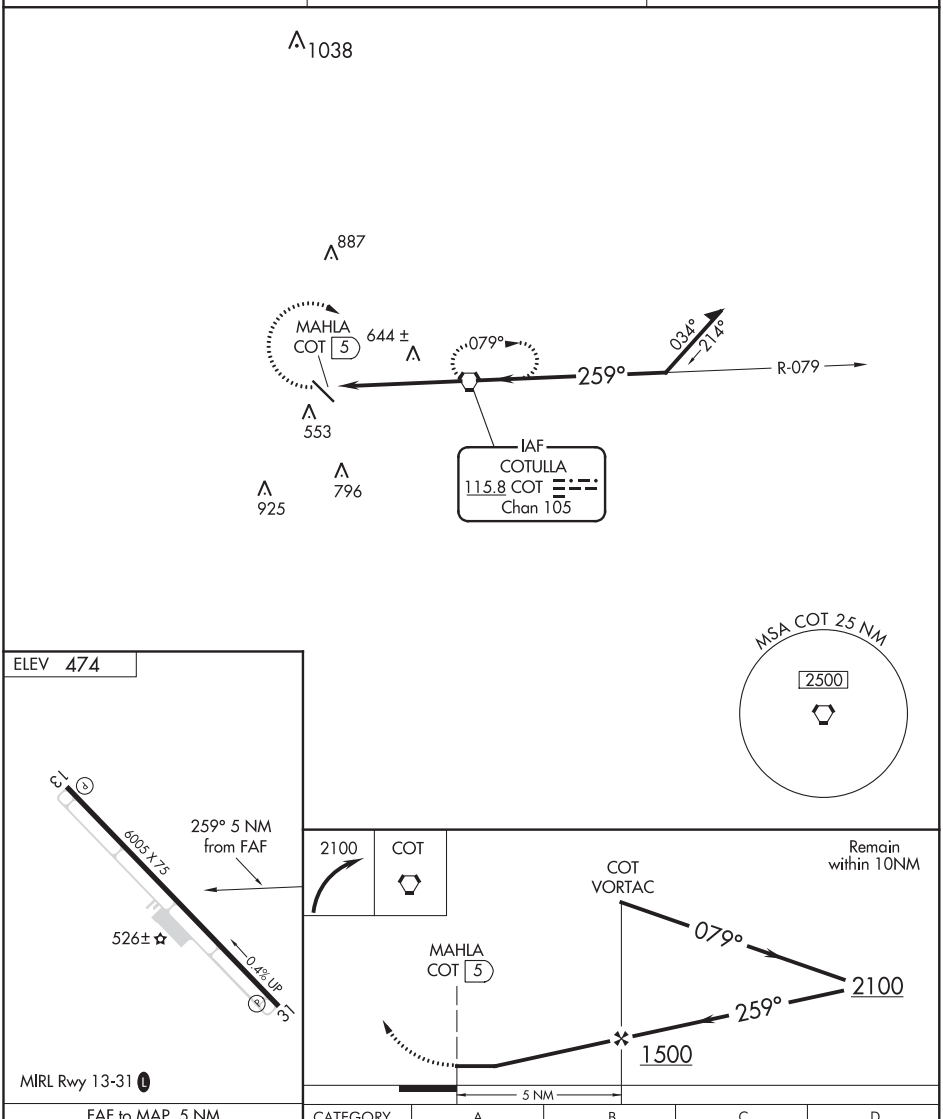
COTULLA-LA SALLE COUNTY (COT)

VORTAC COT	APP CRS	Rwy ldg	N/A
115.8	259°	TDZE	N/A
Chan 105		Apt Elev	474

When local altimeter setting not received, use Pleasanton Muni altimeter setting; increase all MDA 120 feet, Circling Cat C visibility ½ SM.

MISSED APPROACH: Climbing right turn to 2100 direct COT VORTAC and hold.

ASOS	HOUSTON CENTER	UNICOM
118.325	134.6 322.5	122.7 (CTAF) L



FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:00	2:00	1:40

CATEGORY	A	B	C	D
C CIRCLING	920-1 446 (500-1)	940-1 466 (500-1)	1120-1¾ 646 (700-1¾)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

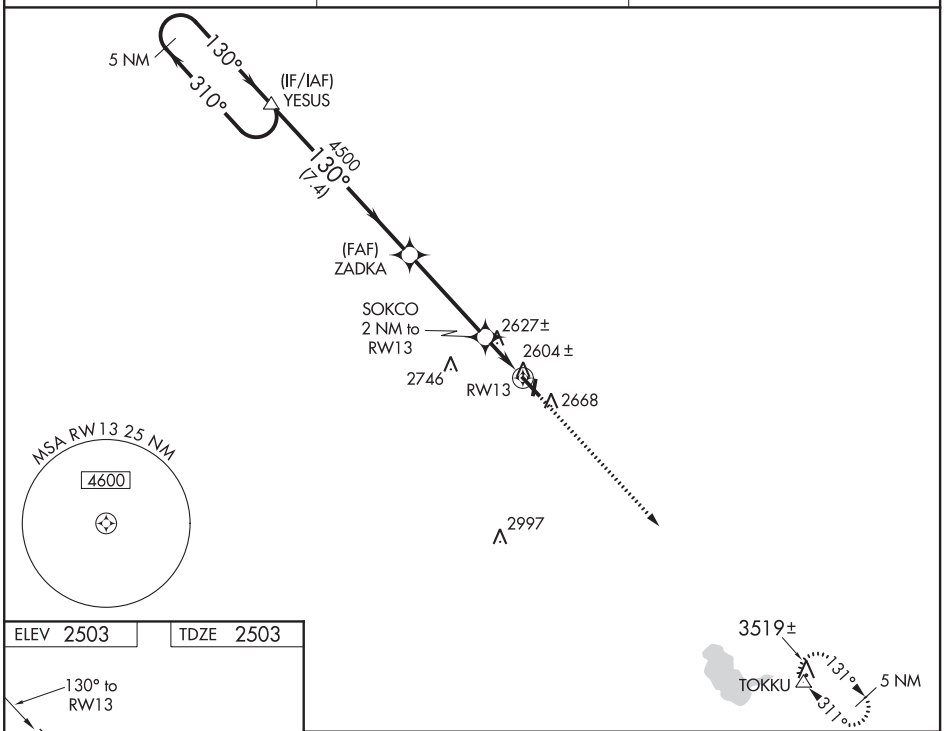
WAAS CH 93707 W13A	APP CRS 130°	Rwy ldg 5000 TDZE 2503 Apt Elev 2503

RNAV (GPS) RWY 13
COZAD MUNI (CZD)

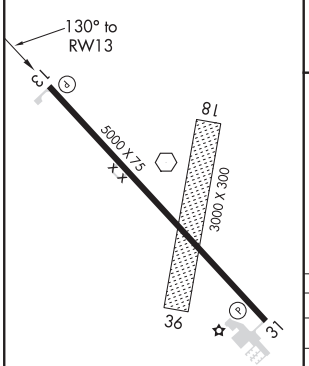
Circling NA to Rwys 18 and 36. Baro-VNAV NA. DME/DME RNP-0.3 NA.
Use Lexington altimeter setting; when not received, use North Platte altimeter setting and increase all DAs 79 feet and LPV and LNAV/VNAV visibility ¼ mile all Cats, increase all MDAs 80 feet and Circling Cat C visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 5500 direct TOKKU and hold.

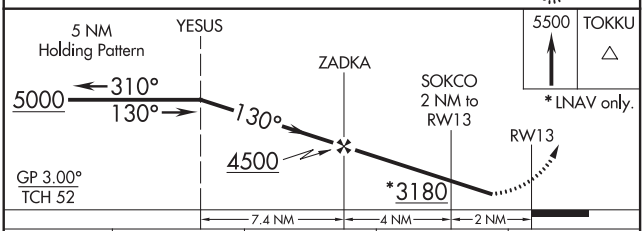
LXN AWOS-3	DENVER CENTER	UNICOM
121.025	132.7 226.675	122.8 (CTAF) L



ELEV 2503	TDZE 2503



MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LPV DA	2875-1¼ 372 (400-1¼)			NA
LNAV/VNAV DA	2913-1½ 410 (500-1½)			NA
LNAV MDA	2920-1 417 (500-1)		2920-1¼ 417 (500-1¼)	NA
C CIRCLING	3080-1 577 (600-1)		3140-1¾ 637 (700-1¾)	NA

COZAD, NEBRASKA | AL-6243 (FAA) | 20282

RNAV (GPS) RWY 31
COZAD MUNI (CZD)

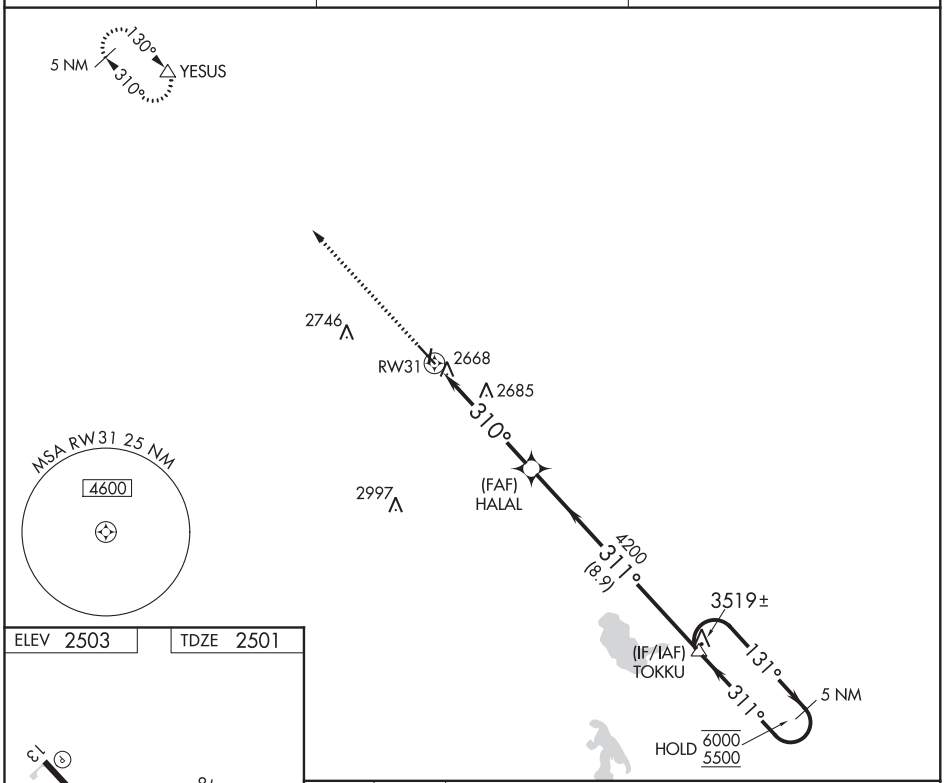
APP CRS	Rwy ldg	5000
310°	TDZE	2501
	Apt Elev	2503

RNP APCH.

Circling NA to Rwys 18 and 36. Rwy 31 helicopter visibility reduction below ¾ SM NA. Use Lexington altimeter setting; when not received, use North Platte altimeter setting and increase all MDAs 80 feet, increase LNAV Cat C visibility ¼ SM and Circling Cat C visibility ¼ SM.

MISSED APPROACH: Climb to 5000 direct YESUS and hold.

LXN AWOS-3	DENVER CENTER	UNICOM
121.025	132.7 226.675	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	3040-1 539 (600-1)		3040-1½ 539 (600-1½)	NA
C CIRCLING	3080-1 577 (600-1)		3140-1¾ 637 (700-1¾)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

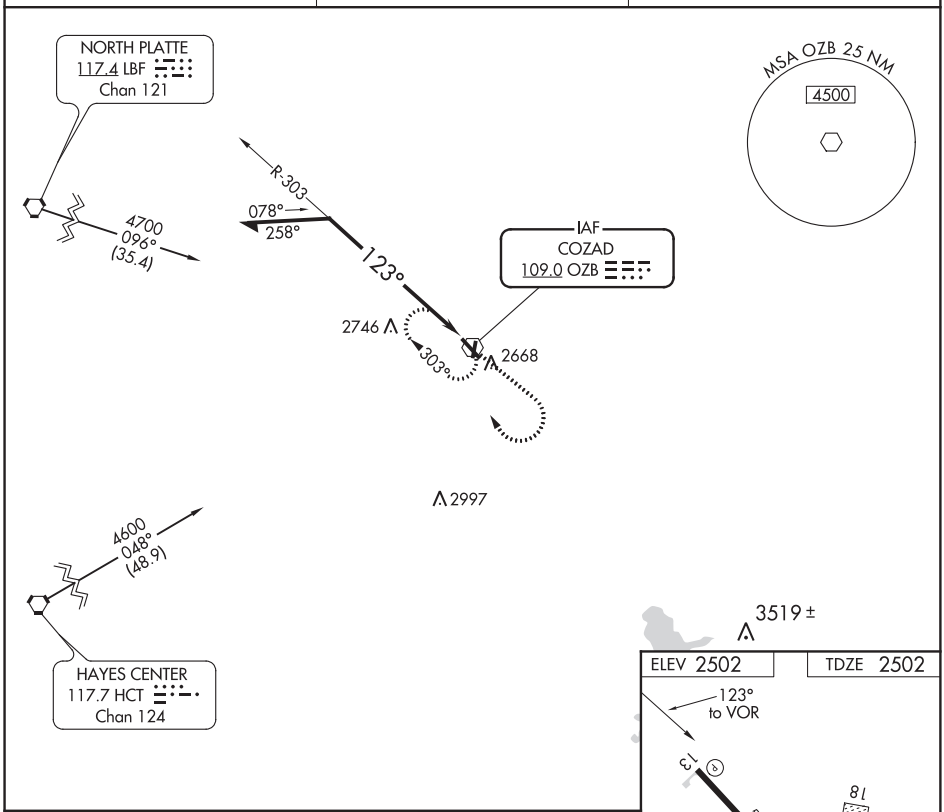
VOR RWY 13
COZAD MUNI (CZD)

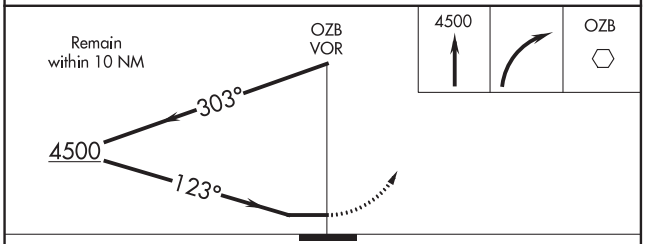
VOR OZB	APP CRS	Rwy ldg	5000
109.0	123°	TDZE	2502
		Apt Elev	2502

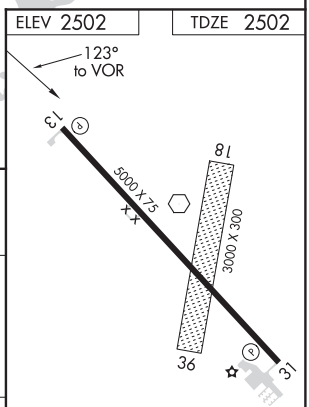
T NA Use Lexington altimeter setting; when not received, use North Platte altimeter setting and increase all MDAs 80 feet, increase Circling Cat C visibility ¼ SM. Circling NA to Rwys 18 and 36. Rwy 13 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 4500 then right turn direct OZB VOR and hold.

LXN AWOS-3	DENVER CENTER	UNICOM
121.025	132.7 226.675	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-13	3140-1	638 (700-1)	3140-1¾ 638 (700-1¾)	NA
C CIRCLING	3140-1	638 (700-1)	3140-1¾ 638 (700-1¾)	NA

MIRL Rwy 13-31 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

CREWE, VIRGINIA | AL-10445 (FAA) | 20282

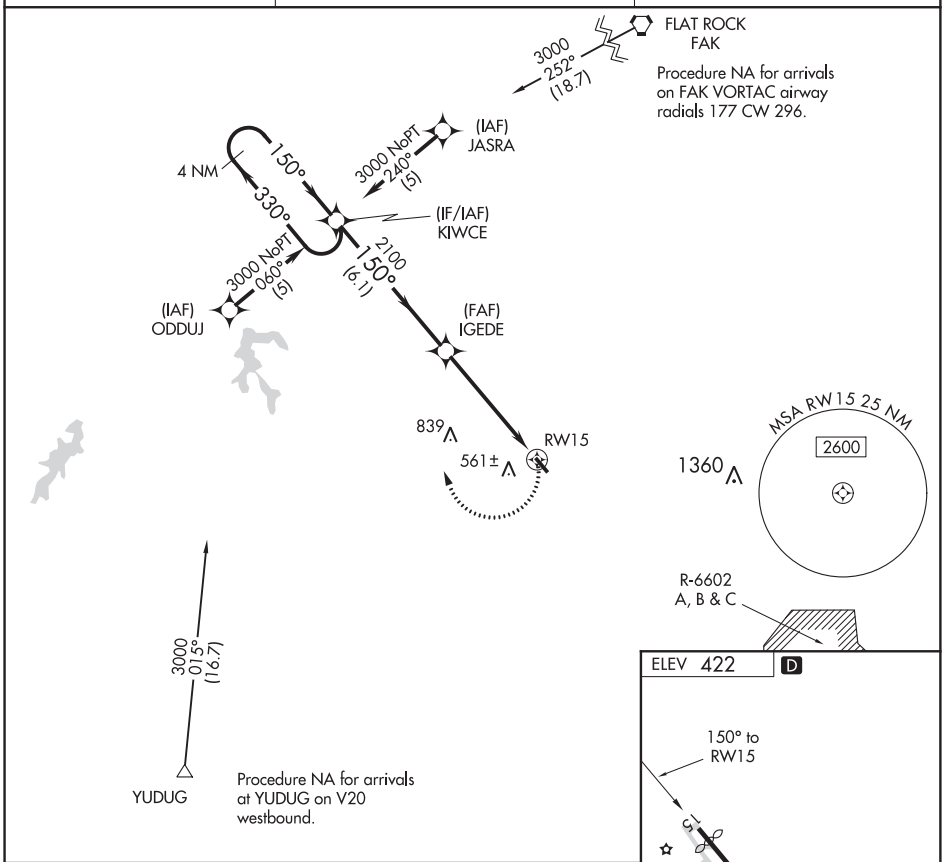
RNAV (GPS)-A
CREWE MUNI (W81)

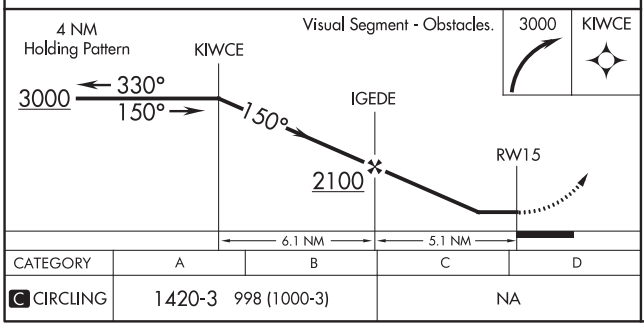
APP CRS	Rwy ldg	N/A
150°	TDZE	N/A
	Apt Elev	422

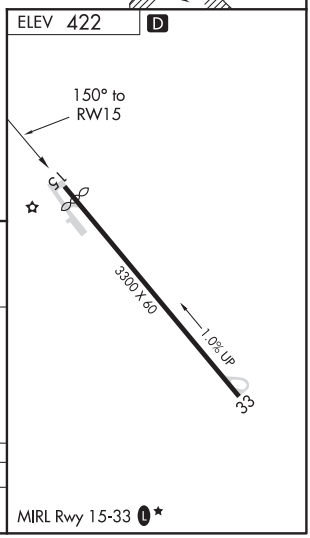
T A Circling to Rwy 15 NA at night. DME/DME RNP-0.3 NA.
Rwy 15: helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 3000 direct KIWCE and hold.

AWOS-3	WASHINGTON CENTER	UNICOM
119.05	118.75 377.1	122.8 (CTAF) L







CATEGORY	A	B	C	D
C CIRCLING	1420-3	998 (1000-3)	NA	

MIRL Rwy 15-33 L ★

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

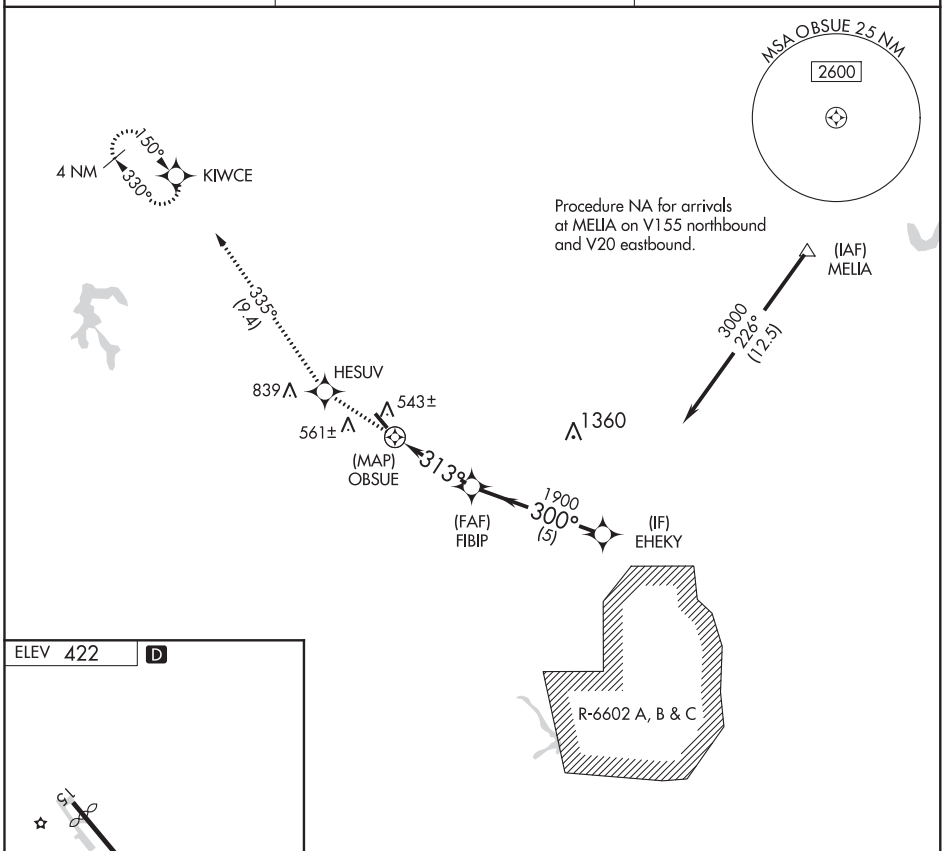
APP CRS	Rwy ldg	N/A
313°	TDZE	N/A
	Apt Elev	422

RNAV (GPS)-B
CREWE MUNI (W81)

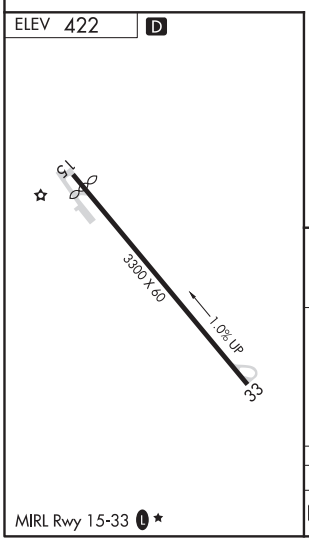
Circling to Rwy 15 NA at night.
DME/DME RNP-0.3 NA.
Rwy 15: helicopter visibility reduction by 1 SM NA.

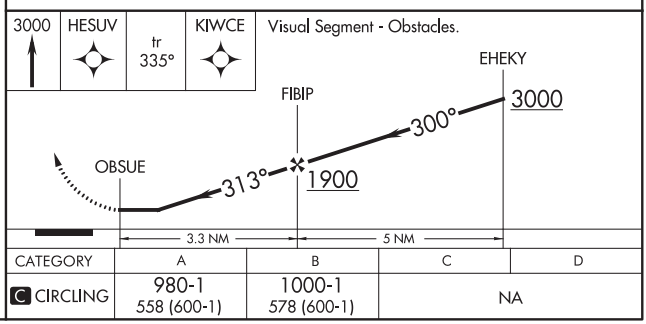
MISSED APPROACH: Climb to 3000 direct HESUV and on track 335° to KIWCE and hold.

AWOS-3	WASHINGTON CENTER	UNICOM
119.05	118.75 377.1	122.8 (CTAF) L



08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
C CIRCLING	980-1 558 (600-1)	1000-1 578 (600-1)	NA	

DAVENPORT, IOWA | AL-949 (FAA) | 20282

ILS or LOC RWY 15
DAVENPORT MUNI (DVN)

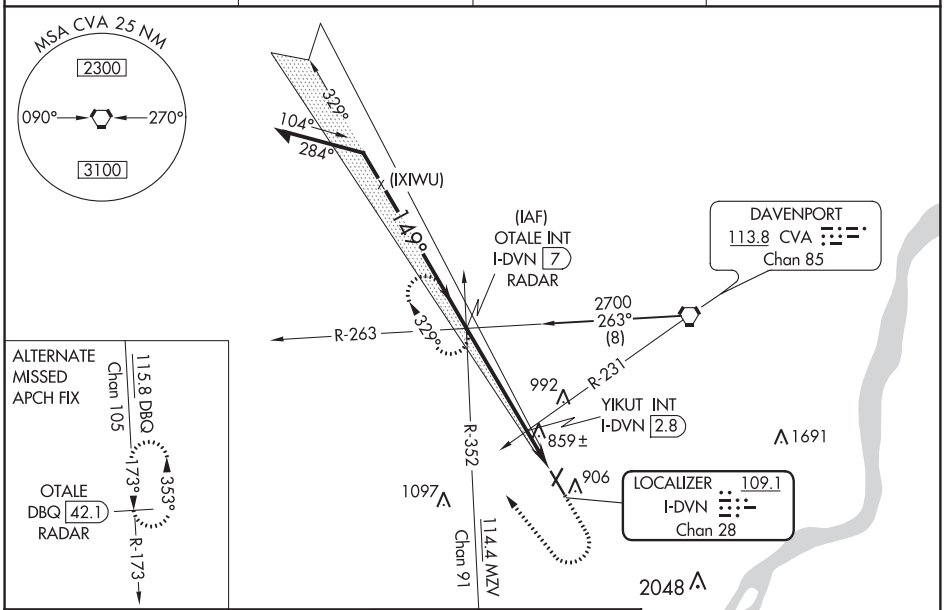
LOC/DME I-DVN	APP CRS	Rwy ldg	5511
109.1	149°	TDZE	751
Chan 28		Apt Elev	751

For inoperative ALS, increase S-LOC 15 Cat C/D visibility to 1⅜ SM and YIKUT fix minimums S-LOC 15 Cat C/D to 1 SM.

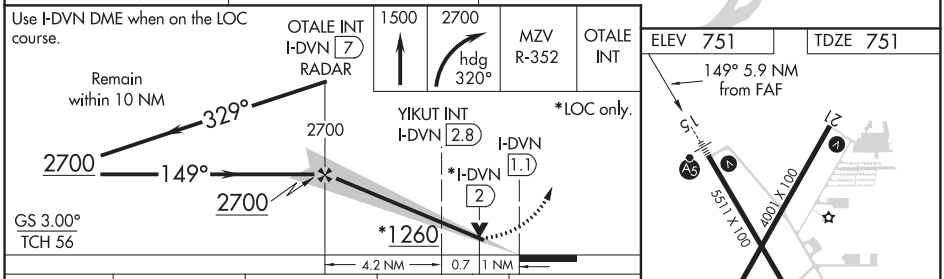
MALSR

MISSED APPROACH: Climb to 1500 then climbing right turn to 2700 on heading 320° and on MZV VOR/DME R-352 to OTALE INT/I-DVN 7 DME/ RADAR and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L



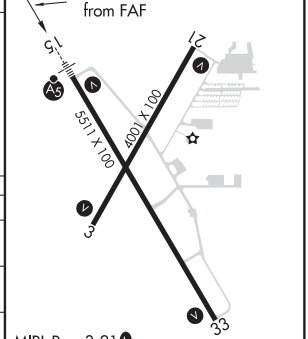
08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-ILS 15	951-½ 200 (200-½)			
S-LOC 15	1260-½ 509 (600-1)		1260-1 509 (600-1)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)
YIKUT FIX MINIMUMS				
S-LOC 15	1100-½ 349 (400-½)		1100-⅝ 349 (400-⅝)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

ELEV 751 | TDZE 751

149° 5.9 NM from FAF



MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

WAAS CH 42620 W03A	APP CRS 029°	Rwy ldg 4001 TDZE 750 Apt Elev 751

RNAV (GPS) RWY 3
DAVENPORT MUNI (DVN)

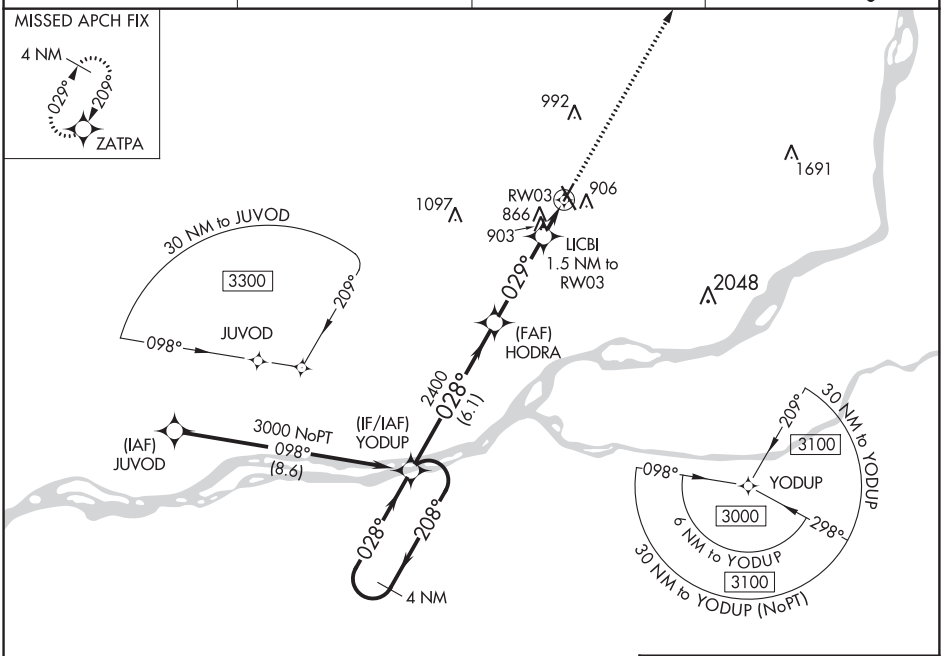
RNP APCH.

T A For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Rwy 3 helicopter visibility reduction below ¾ SM NA.

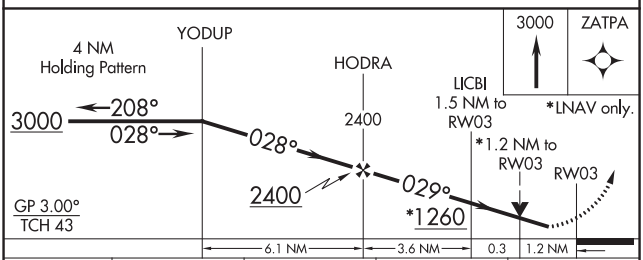
MISSED APPROACH: Climb to 3000 direct ZATPA and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L

08 OCT 2020 to 05 NOV 2020

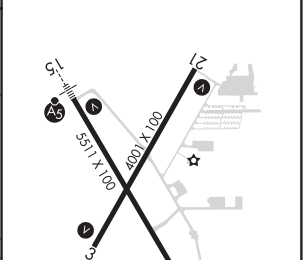


08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	1000-1 250 (300-1)			
LNAV/VNAV DA	1171-1⅜ 421 (500-1⅜)			
LNAV MDA	1160-1 410 (500-1)		1160-1⅛ 410 (500-1⅛)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

ELEV 751 TDZE 750



MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

DAVENPORT, IOWA | AL-949 (FAA) | 20282

RNAV (GPS) RWY 15
DAVENPORT MUNI (DVN)

WAAS CH 81821 W15A	APP CRS 149°	Rwy ldg 5511 TDZE 751 Apt Elev 751

RNP APCH.

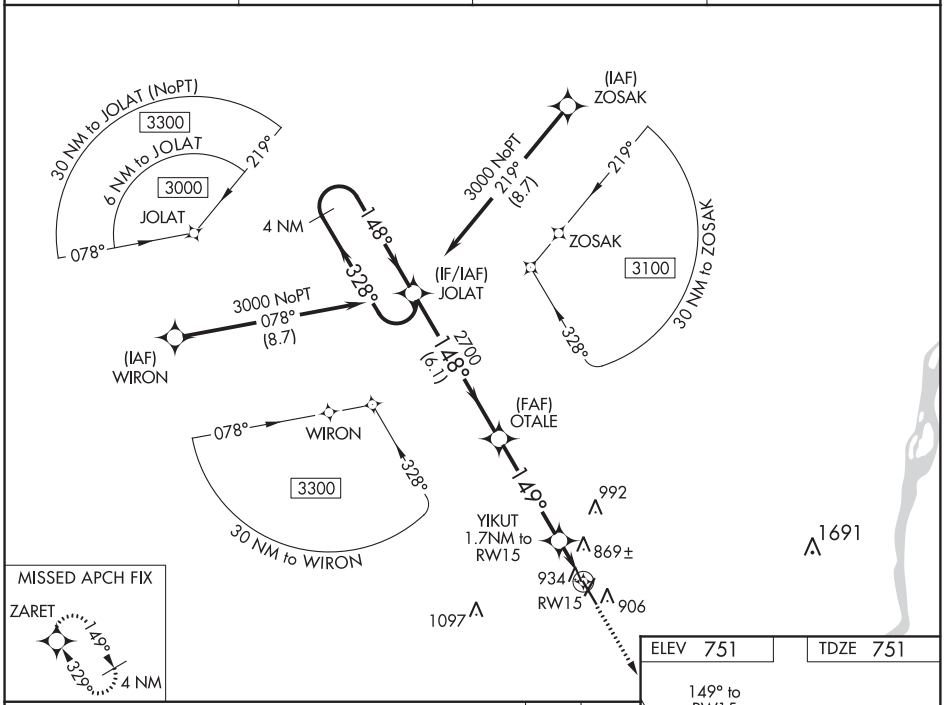
For inoperative ALS, increase LNAV/VNAV visibility to 1⅛ SM LNAV Cat C/D visibility to 1⅜ SM.

MALSR

MISSED APPROACH: Climb to 3000 direct ZARET and hold.

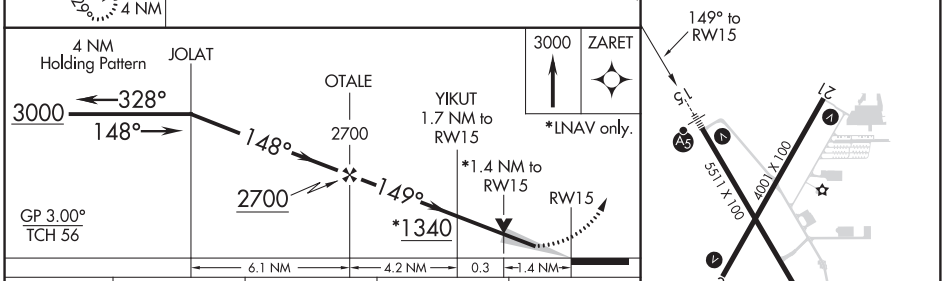
ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020

ELEV 751 | TDZE 751



CATEGORY	A	B	C	D
LPV DA	951-½ 200 (200-½)			
LNAV/VNAV DA	1171-⅞ 420 (500-⅞)			
LNAV MDA	1240-½ 489 (500-½)		1240-1 489 (500-1)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

WAAS CH 50320 W21A	APP CRS 209°	Rwy ldg 4001 TDZE 750 Apt Elev 751

RNAV (GPS) RWY 21
DAVENPORT MUNI (DVN)

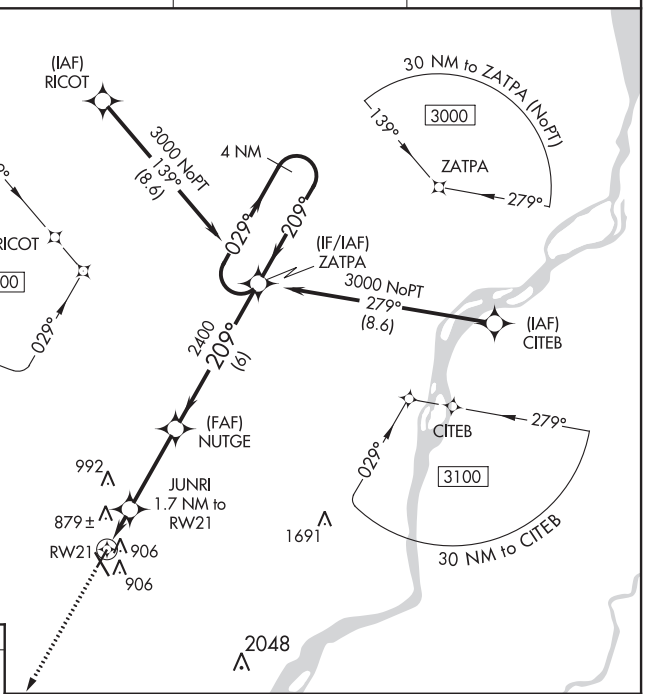
RNP APCH.

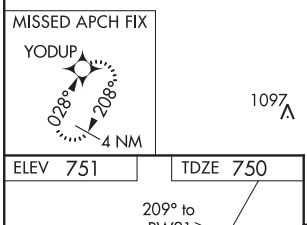
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Rwy 21 helicopter visibility reduction below 1 SM NA.

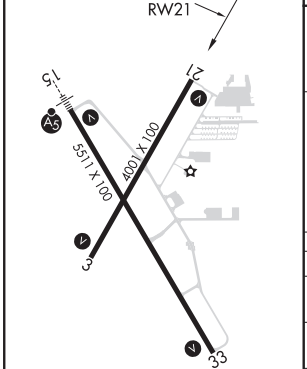
MISSED APPROACH: Climb to 3000 direct YODUP and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L

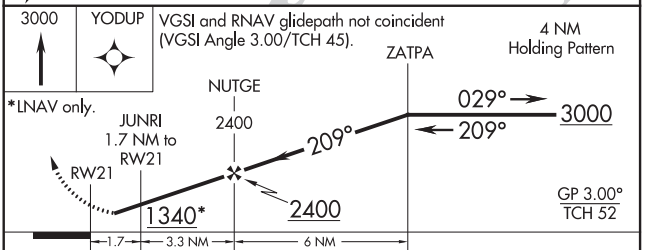
08 OCT 2020 to 05 NOV 2020







MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L



CATEGORY	A	B	C	D
LPV DA	1046-1 296 (300-1)			
LNAV/VNAV DA	1184-1½ 434 (500-1½)			
LNAV MDA	1180-1 430 (500-1)		1180-1¼ 430 (500-1¼)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

DAVENPORT, IOWA | AL-949 (FAA) | 20282

WAAS CH 56324 W33A	APP CRS 329°	Rwy ldg 5511 TDZE 748 Apt Elev 751

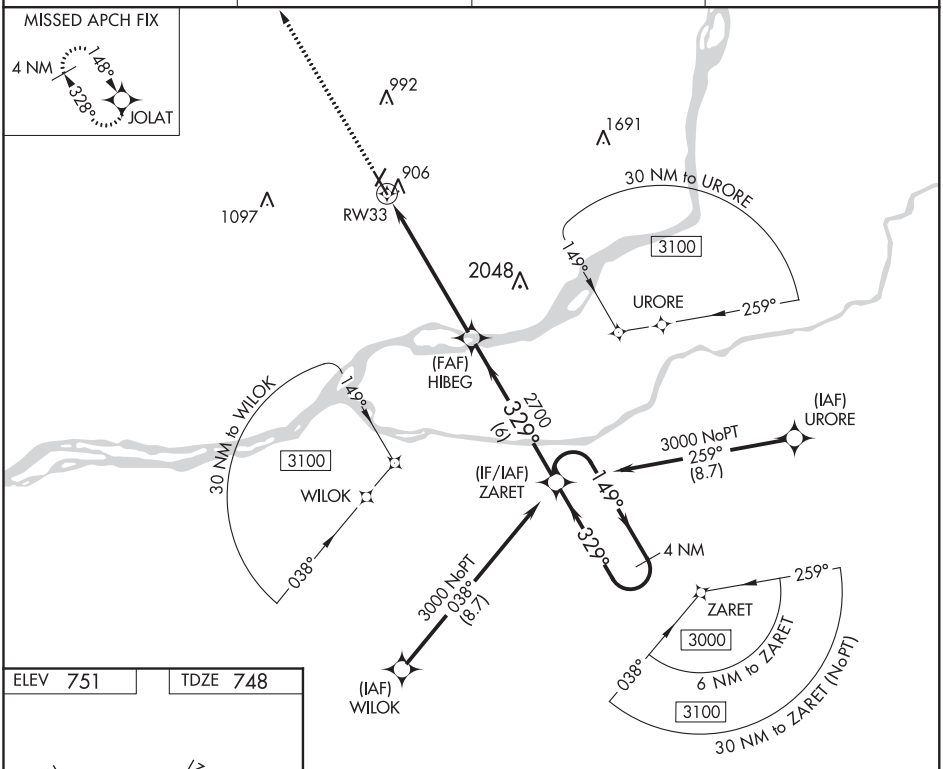
RNAV (GPS) RWY 33
DAVENPORT MUNI (DVN)

RNP APCH.

Rwy 33 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct JOLAT and hold.

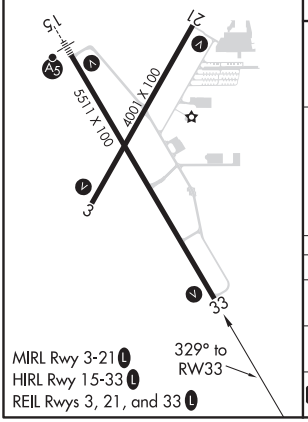
ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L



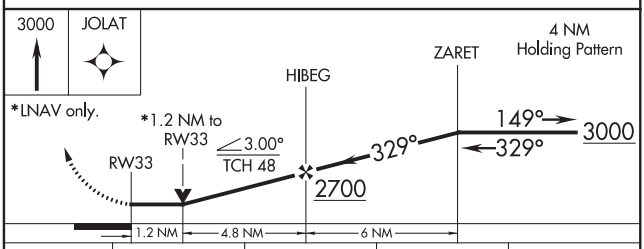
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 751 | TDZE 748



MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L



CATEGORY	A	B	C	D
LP MDA	1160-1 412 (500-1)		1160-1⅛ 412 (500-1⅛)	
LNAV MDA	1160-1 412 (500-1)		1160-1⅛ 412 (500-1⅛)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

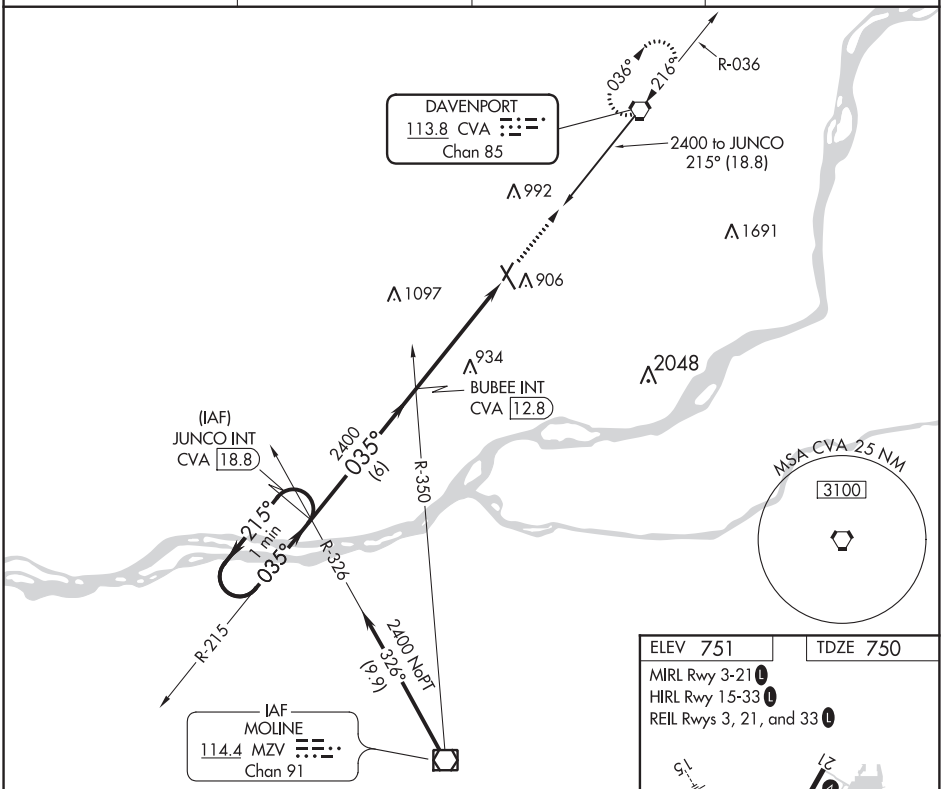
VORTAC CVA	APP CRS	Rwy ldg	4001
113.8	035°	TDZE	750
Chan 85		Apt Elev	751

VOR RWY 3
DAVENPORT MUNI (DVN)

Rwy 3 helicopter visibility reduction below ¾ SM NA.

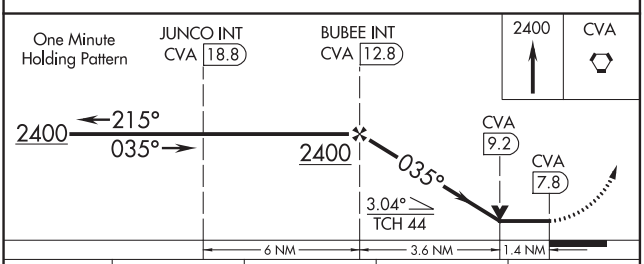
MISSED APPROACH: Climb to 2400 direct CVA VORTAC and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L



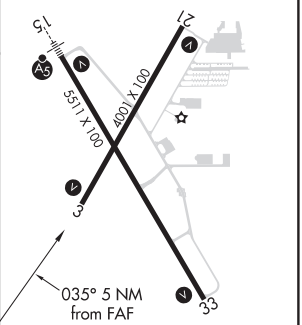
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



ELEV 751 TDZE 750

MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L



CATEGORY	A	B	C	D
S-3	1240-1 490 (500-1)		1240-1⅜ 490 (500-1⅜)	1240-1½ 490 (500-1½)
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

DAVENPORT, IOWA | AL-949 (FAA) | 20282

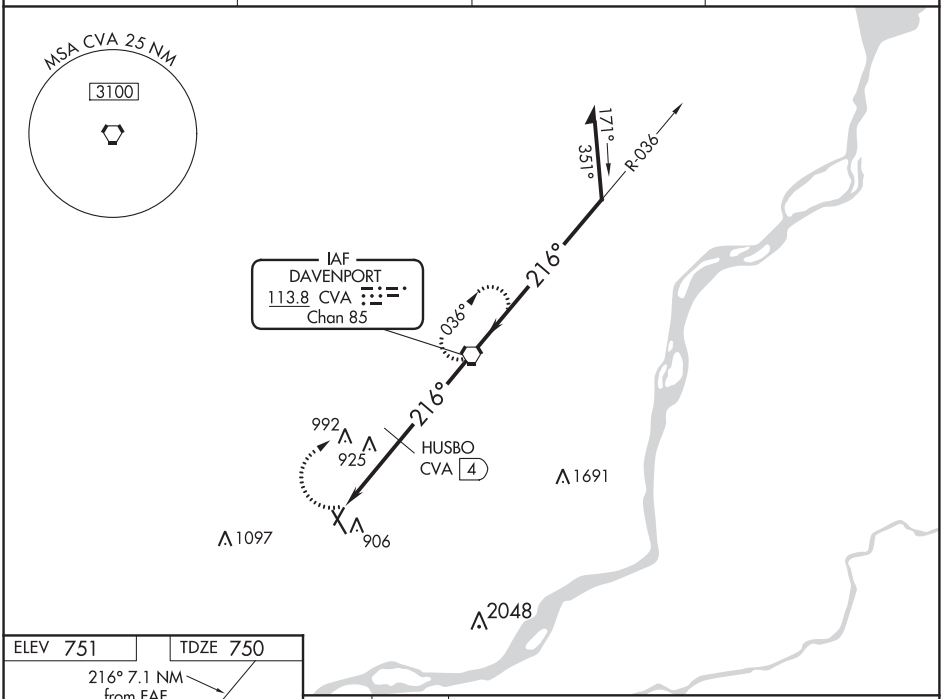
VORTAC CVA	APP CRS	Rwy ldg	4001
113.8	216°	TDZE	750
Chan 85		Apt Elev	751

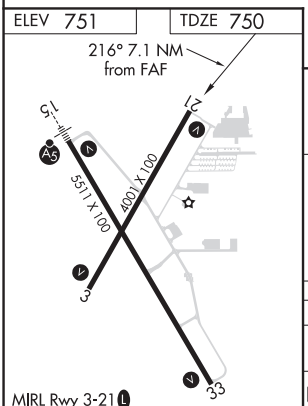
VOR RWY 21
DAVENPORT MUNI (DVN)

Rwy 21 helicopter visibility reduction below 1 SM NA.

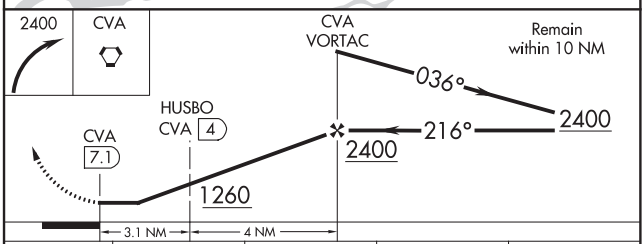
MISSED APPROACH: Climbing right turn to 2400 direct CVA VORTAC and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L





FAF to MAP 7.1 NM					
Knots	60	90	120	150	180
Min:Sec	7:06	4:44	3:33	2:50	2:22



CATEGORY	A	B	C	D
S-21	1260-1 510 (600-1)		1260-1⅜	510 (600-1⅜)
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)
HUSBO FIX MINIMUMS (DME REQUIRED)				
S-21	1200-1 450 (500-1)		1200-1⅜	450 (500-1⅜)
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

TUCSON, ARIZONA

RNAV (GPS) RWY 12

WAAS CH **44576** **W12A**	APCH CRS **125°**	Rwy ldg **13,643** TDZE **2615** Arpt Elev **2704**

AL-429 (USAF)

DAVIS MONTHAN AFB (KDMA)

* Circling NA SW of Rwy 12-30.

MISSED APPROACH: Climb to 3300 then cimbing left turn to 8000 direct BINTT, track 305° to JAMRR and hold, continue climb-in-hold to 8000.

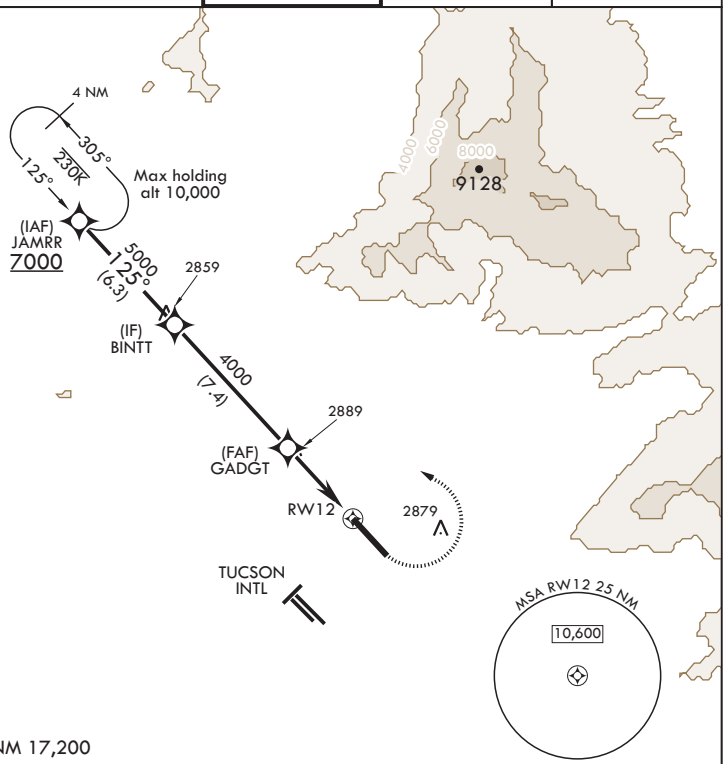
ATIS★	TUCSON APP CON/DEP CON	TOWER	GND CON	CLNC DEL
270.1	**119.4 269.55**	**118.85 253.5**	**121.8 275.8**	**121.8 275.8**

RNP APCH

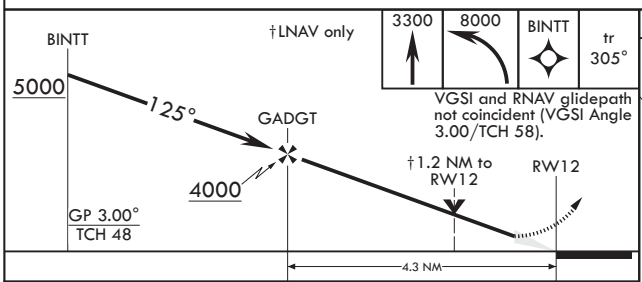
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 5°C or above 54°C.

Average Cold Temperature based on Standard -30.00°C ISA deviation.

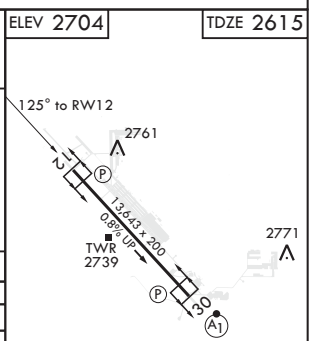
CAUTION: Para Jump operations in the vicinity of Pinal Airpark.



EMERG SAFE ALT 100 NM 17,200



ELEV 2704 TDZE 2615



CATEGORY	A	B	C	D
LPV DA	2815/40 200 (200-¾)			
LNAV/VNAV DA	2893/45 278 (200-⅞)	2904/45 289 (200-⅞)	2912/45 297 (300-⅞)	2923/45 308 (300-⅞)
LNAV MDA	3020/55 405 (400-1)		3020/60 405 (400-1¼)	
C CIRCLING*	3200-1 496 (500-1)		3320-1¾ 616 (700-1¾)	3320-2 616 (700-2)

REIL Rwy 12
HIRL all Rwys

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

DECATUR, TEXAS | AL-6190 (FAA) | 20282

WAAS CH 40107 W17A	APP CRS 163°	Rwy ldg 4200 TDZE 1047 Apt Elev 1047

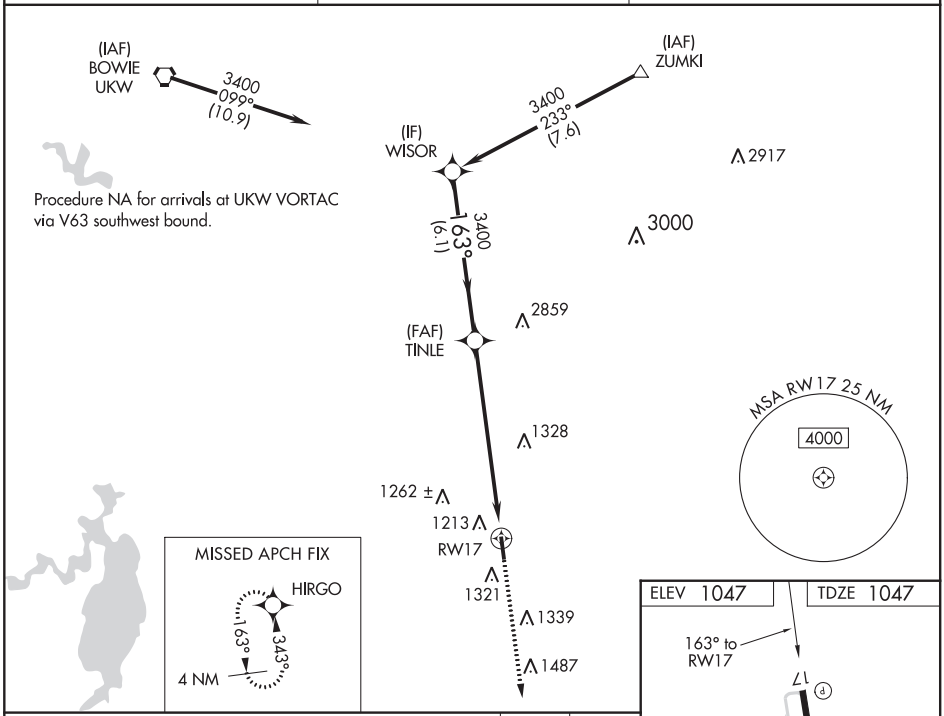
RNAV (GPS) RWY 17
DECATUR MUNI (LUD)

RNP APCH.

When local altimeter setting not received, use Fort Worth Meacham Intl altimeter setting and increase all DAs 113 feet, and all MDAs 120 feet, increase LPV visibilities ¼ mile, LNAV/VNAV visibilities ½ mile, and circling Cat B visibility ¼ mile. Baro-VNAV and VDP NA when using Fort Worth Meacham Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 2600 direct HIRGO and hold.

AWOS-3	REGIONAL APP CON	UNICOM
118.225	118.1 306.95	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	1297-1 250 (300-1)		NA	
LNAV/VNAV DA	1459-1½ 412 (500-1½)		NA	
LNAV MDA	1560-1 513 (600-1)		NA	
C CIRCLING	1680-1 633 (700-1)		NA	

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

DECATUR, TEXAS
Orig-A 08OCT20

33°15'N-97°35'W

DECATUR MUNI (LUD)
RNAV (GPS) RWY 17

APP CRS	Rwy ldg	4200
343°	TDZE	1047
	Apt Elev	1047

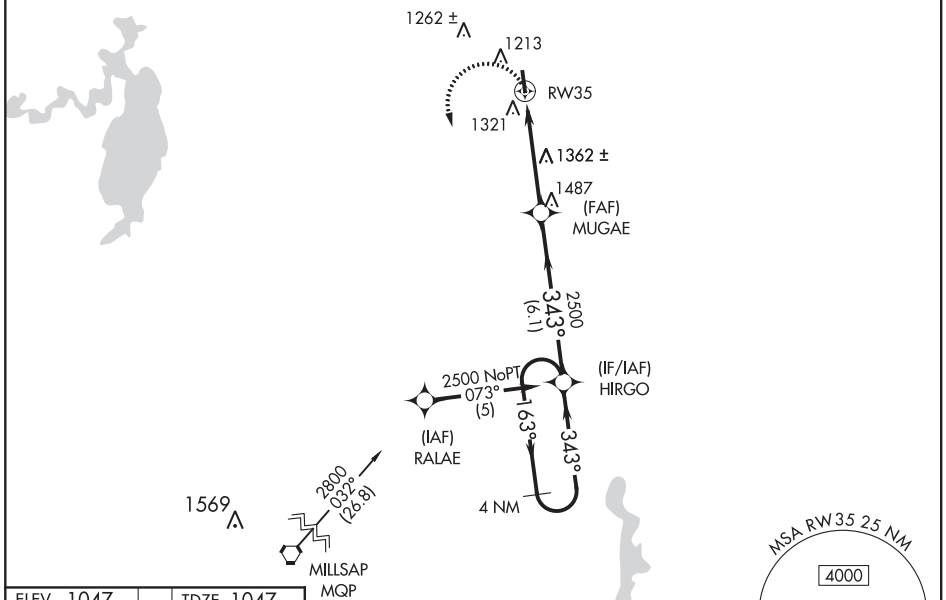
RNAV (GPS) RWY 35
DECATUR MUNI (LUD)

RNP APCH.

When local altimeter setting not received, use Fort Worth Meacham Intl altimeter setting and increase all MDAs 120 feet, and Cat B visibilities ¼ mile.
Rwy 35 helicopter visibility reduction below ¾ SM NA.

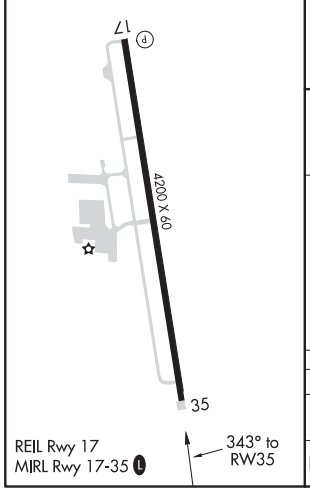
MISSED APPROACH: Climbing left turn to 2600 direct HIRGO and hold.

AWOS-3	REGIONAL APP CON	UNICOM
118.225	118.1 306.95	122.8 (CTAF) L

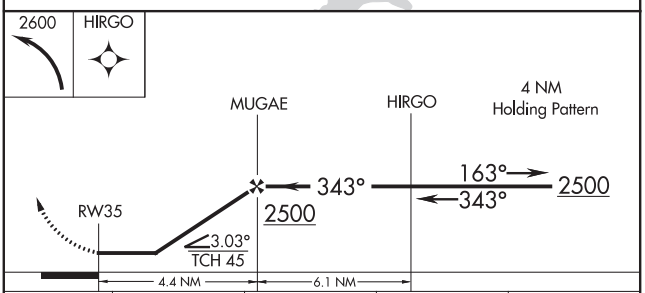


Procedure NA for arrivals at MQP VORTAC on airway radials 330 CW 001.

ELEV 1047	TDZE 1047



REIL Rwy 17
MIRL Rwy 17-35 L



CATEGORY	A	B	C	D
LNAV MDA	1680-1	633 (700-1)	NA	
C CIRCLING	1680-1	633 (700-1)	NA	

DECATUR, TEXAS | AL-6190 (FAA) | 20282

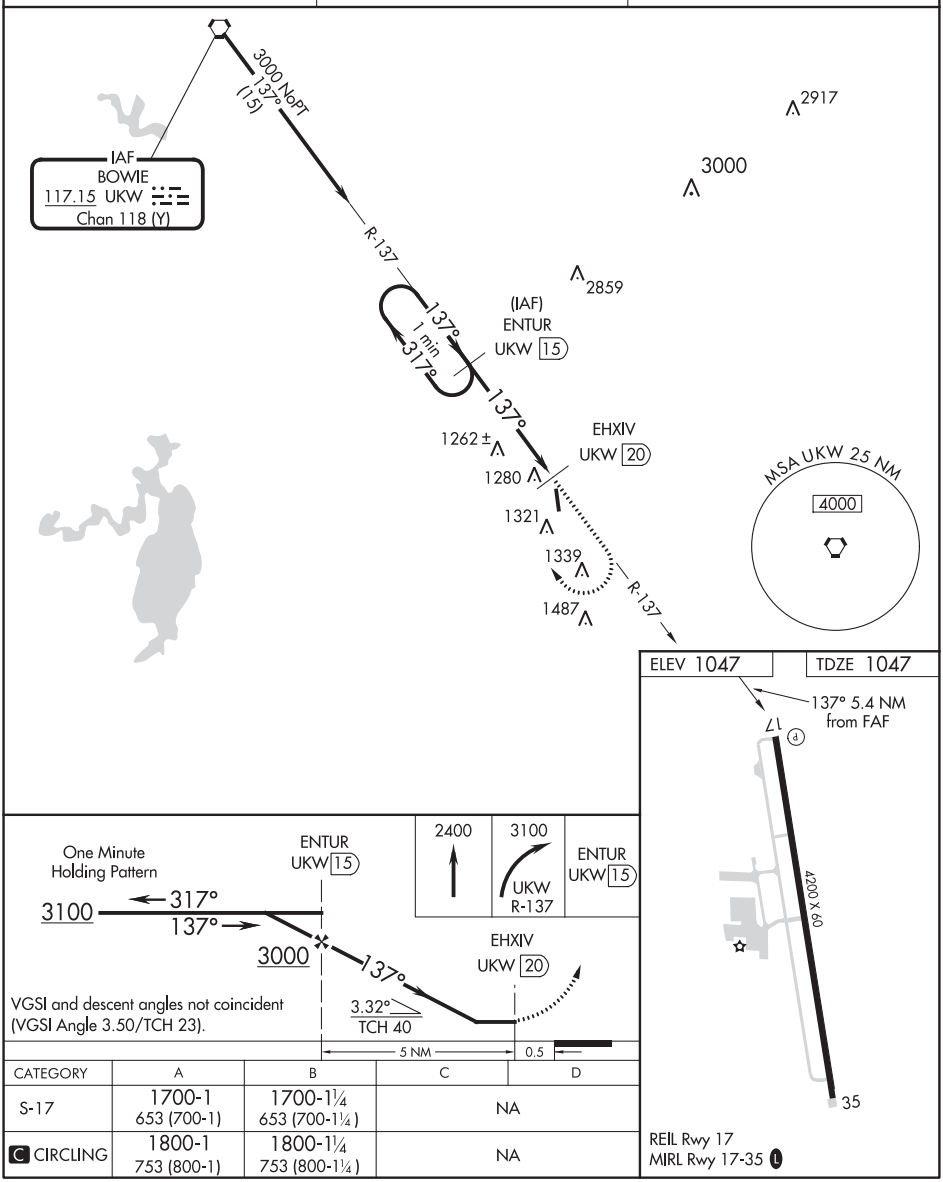
VOR/DME RWY 17
DECATUR MUNI (LUD)

VORTAC UKW	APP CRS	Rwy ldg	4200
117.15	137°	TDZE	1047
Chan 118 (Y)		Apt Elev	1047

When local altimeter setting not received, use Fort Worth Meacham Intl altimeter setting.

MISSED APPROACH: Climb to 2400 then climbing right turn to 3100 via UKW R-137 to ENTUR/15 DME and hold.

AWOS-3	REGIONAL APP CON	UNICOM
118.225	118.1 306.95	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-17	1700-1 653 (700-1)	1700-1¼ 653 (700-1¼)	NA	
C CIRCLING	1800-1 753 (800-1)	1800-1¼ 753 (800-1¼)	NA	

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

DECATUR, TEXAS
Amdt 2B 08OCT20

33°15'N-97°35'W

DECATUR MUNI (LUD)
VOR/DME RWY 17

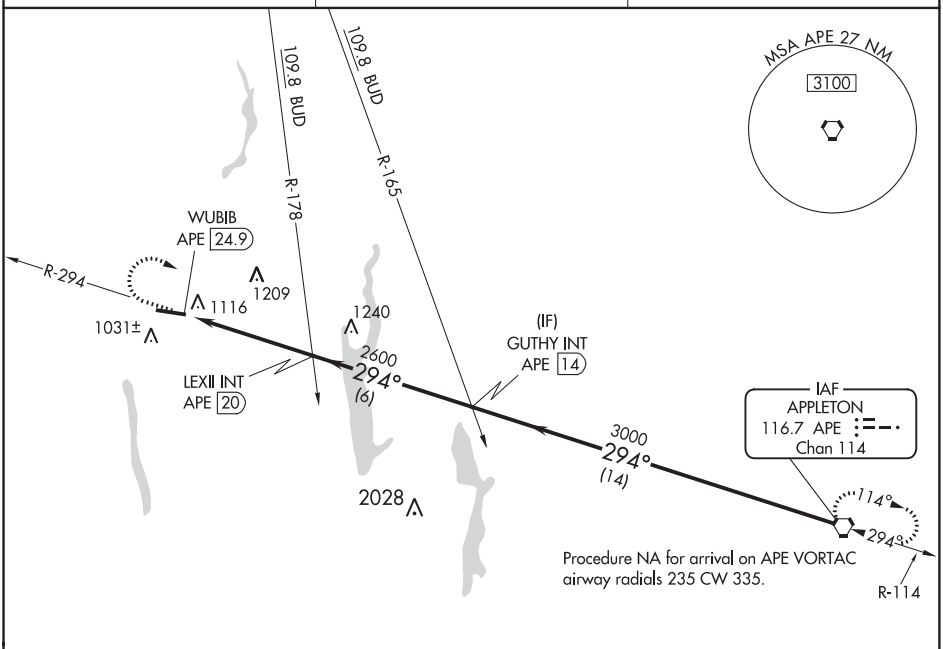
VOR RWY 28
DELAWARE MUNI-JIM MOORE FIELD (DLZ)

VORTAC APE	APP CRS	Rwy ldg	5800
116.7	294°	TDZE	945
Chan 114		Apt Elev	945

Rwy 28 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3100 then right turn direct APE VORTAC and hold.

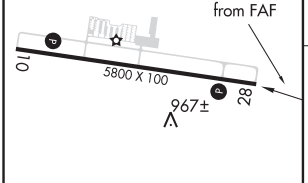
AWOS-3	COLUMBUS APP CON	UNICOM
119.025	125.95 317.775	122.7 (CTAF) L



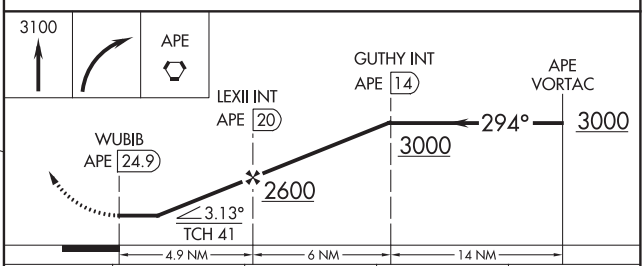
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 945	TDZE 945



REIL Rwys 10 and 28 L
MIRL Rwy 10-28 L



FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:52	3:14	2:26	1:57	1:37

CATEGORY	A	B	C	D
S-28	1520-1 575 (600-1)		1520-1⅝ 575 (600-1⅝)	
C CIRCLING	1520-1 575 (600-1)		1560-1¾ 615 (700-1¾)	1560-2 615 (700-2)

LOC/DME I-DWW	APP CRS	Rwy ldg	9004
111.5	053°	TDZE	931
Chan 52		Apt Elev	958

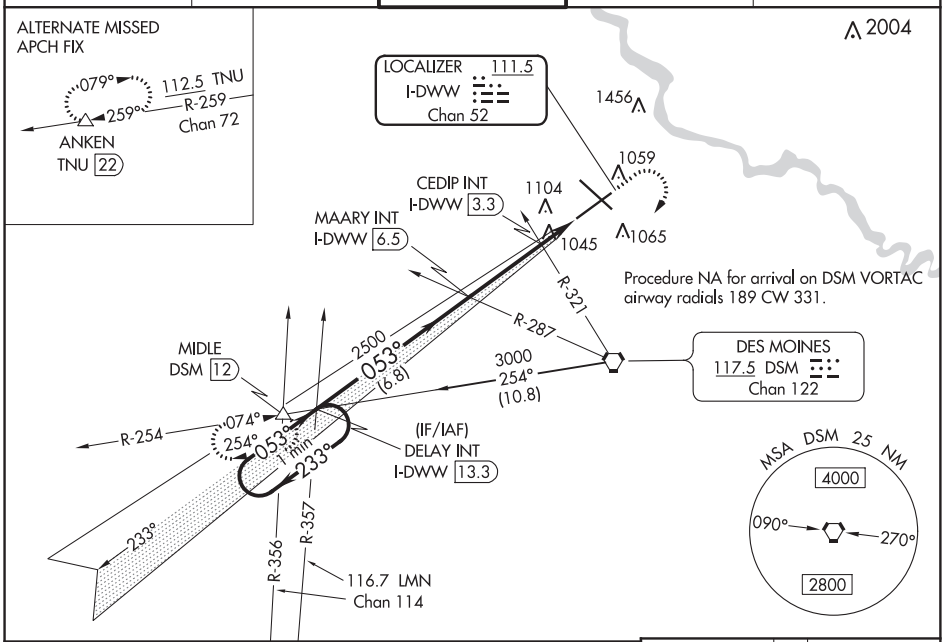
ILS or LOC RWY 5
DES MOINES INTL (DSM)

T A For inop ALS, increase S-LOC 5 Cats C and D visibility to 1⅜ SM and CEDIP fix minimums Cats C and D visibility to RVR 5500. Autopilot coupled approach NA below 1256 MSL. #RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR A5

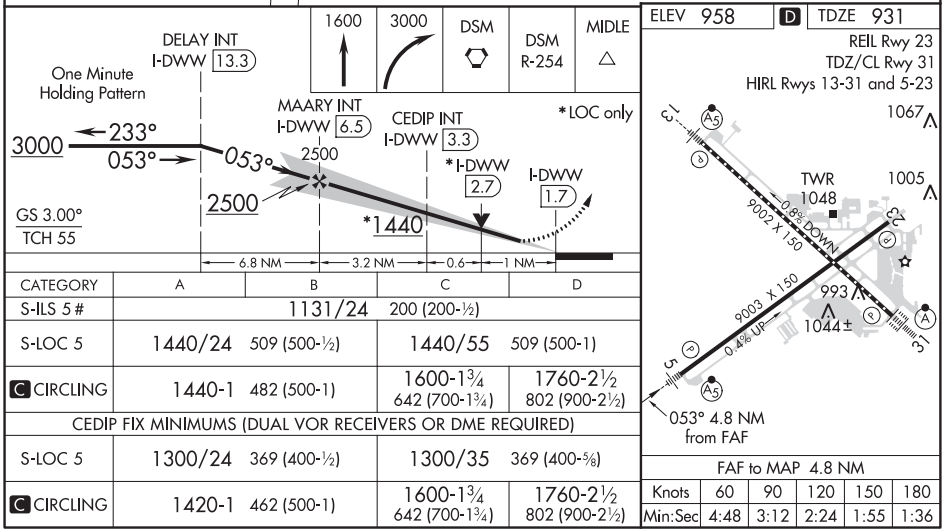
MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 direct DSM VORTAC then on DSM VORTAC R-254 to MIDLE INT/DSM 12 DME and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-ILS 5 #	1131/24	200 (200-½)		
S-LOC 5	1440/24 509 (500-½)		1440/55 509 (500-1)	
C CIRCLING	1440-1 482 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)
CEDIP FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)				
S-LOC 5	1300/24 369 (400-½)		1300/35 369 (400-⅝)	
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

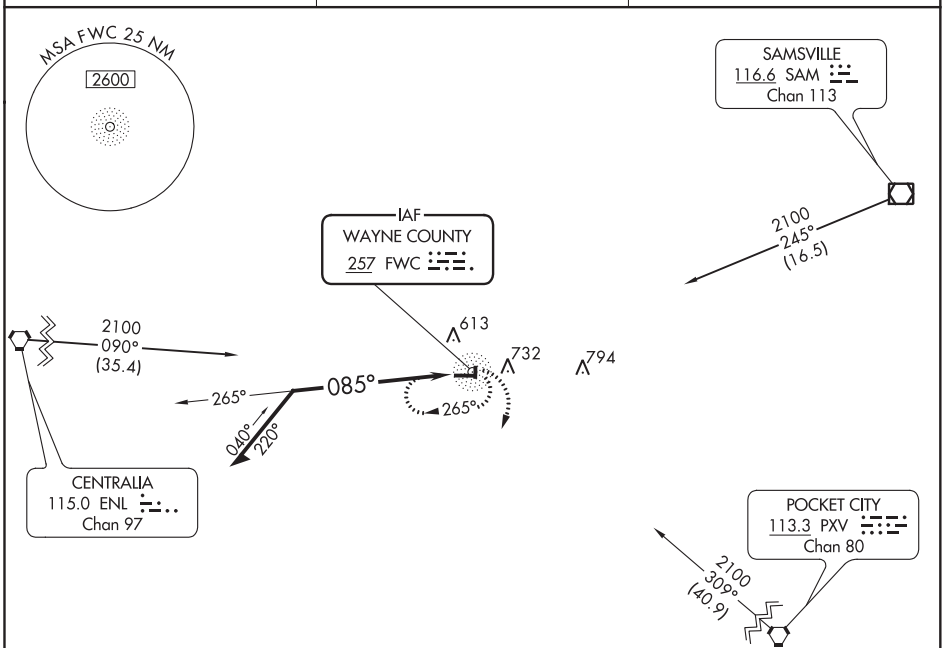
NDB FWC	APP CRS	Rwy ldg	4000
257	085°	TDZE	434
		Apt Elev	434

NDB RWY 9
FAIRFIELD MUNI (FWC)

Night landing: Rwy 9, 27, 36 NA. Helicopter visibility reduction below 1 SM NA.

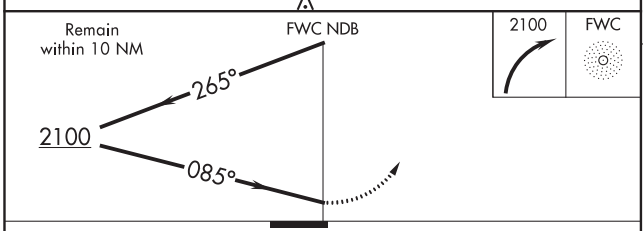
MISSED APPROACH: Climbing right turn to 2100 in the FWC NDB holding pattern.

AWOS-3	KANSAS CITY CENTER	UNICOM
119.425	127.7 351.825	123.05 (CTAF) L

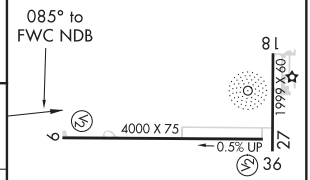


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



ELEV 434 | TDZE 434



CATEGORY	A	B	C	D
S-9	1100-1	666 (700-1)	1100-1¾ 666 (700-1¾)	NA
C CIRCLING	1100-1	666 (700-1)	1100-1¾ 666 (700-1¾)	NA

REIL Rwy 9 L
MIRL Rwys 9-27 and 18-36 L

20282

FORT WORTH, TEXAS

RNAV (GPS) RWY 36

FORT WORTH NAS JRB (CARSWELL FLD) (KNFW)

WAAS CH 49487 W36A	APCH CRS 357°	Rwy ldg 11,999 TDZE 650 Arpt Elev 650	AL-160 [USN]

T * When ALS inop, increase vis to ¾ mile.
** When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1⅝ miles.

ALSF-1

MISSED APPROACH: Climb to 1700, then climbing left turn to 3000 direct HIPOL and hold.

ATIS★	REGIONAL APP CON	NAVY FORT WORTH TOWER★	GND CON	CLNC DEL	ASR/PAR
351.675	125.8 257.95	120.95 L 269.325	121.675 279.575	126.4 254.325	

*** When ALS inop, increase vis to 1⅝ miles, Baro VNAV NA when local altimeter not received.

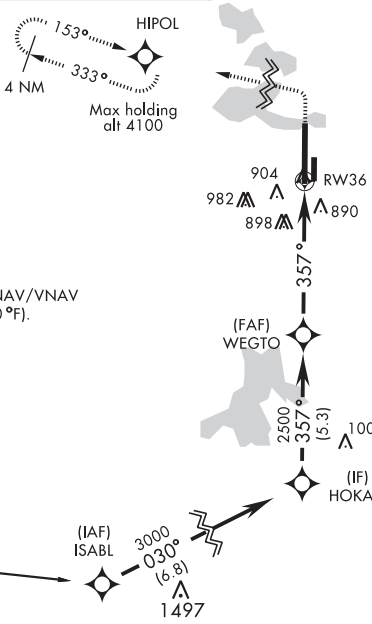
**** Circling not authorized E of Rwy 18-36.

When local altimeter is not received use Fort Worth Meacham altimeter setting.

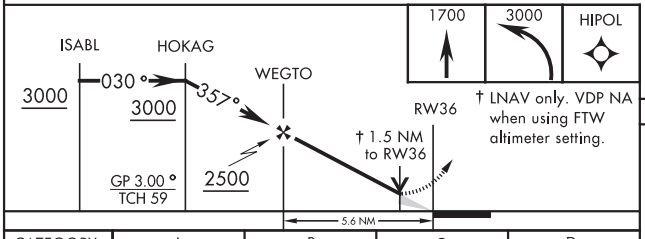
For uncompensated BaroVNAV systems, LNAV/VNAV NA below -16°C(3°F) or above 54°C(130°F).

DME/DME RNP-0.3 NA

CAUTION: Short intermediate, recommend early configuration.



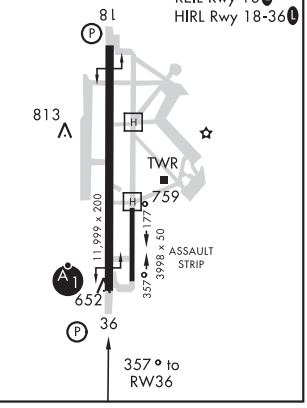
EMERG SAFE ALT 100NM 4100



† LNAV only. VDP NA when using FTW altimeter setting.

ELEV 650 | TDZE 650

REIL Rwy 18 L
HIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LPV DA *	850-½ 200 (200-½)			
LNAV MDA **	1200-½ 550 (600-½)		1200-1⅛ 550 (600-1⅛)	
LNAV/VNAV DA ***	1199-1⅛ 549 (600-1⅛)			
C CIRCLING ****	1240-1 590 (600-1)	1280-1 630 (700-1)	1320-1¾ 670 (700-1¾)	1320-2 670 (700-2)
FORT WORTH MEACHAM ALTIMETER				
LPV DA *	870-½ 220 (300-½)			
LNAV MDA **	1220-½ 570 (600-½)		1220-1¼ 570 (600-1¼)	
C CIRCLING ****	1260-1 610 (700-1)	1300-1 650 (700-1)	1340-2 690 (700-2)	1340-2¼ 690 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VOR-A
FOSTORIA METROPOLITAN (FZI)

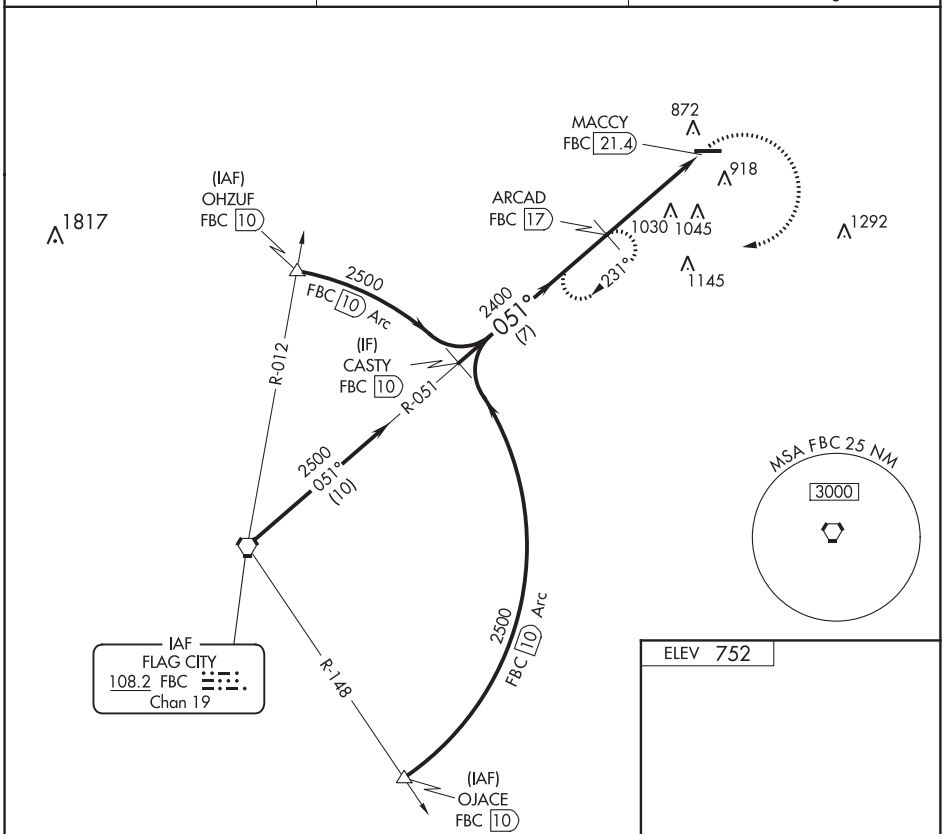
VORTAC FBC	APP CRS	Rwy ldg	N/A
108.2	051°	TDZE	N/A
Chan 19		Apt Elev	752

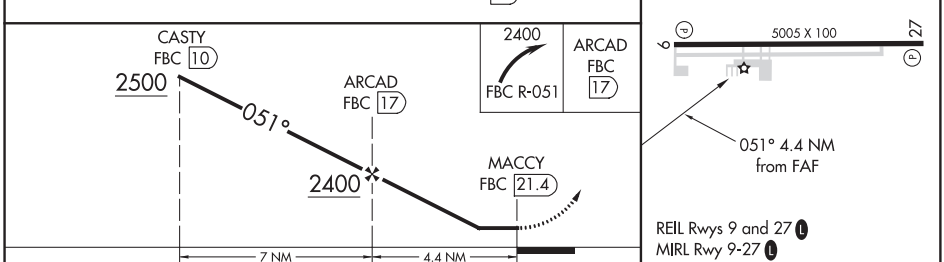
DME Required.

When local altimeter setting not received, use Findlay altimeter setting and increase all MDA 60 feet, and increase Cat C visibility ¼ mile.

MISSED APPROACH: Climbing right turn to 2400 on FBC VORTAC R-051 to ARCAD/FBC 17 DME and hold.

AWOS-3	TOLEDO APP CON	UNICOM
124.625	126.1 307.0	122.7 (CTAF) L





REIL Rwys 9 and 27 L
MIRL Rwy 9-27 L

CATEGORY	A	B	C	D
C CIRCLING	1400-1 648 (700-1)	1400-1¼ 648 (700-1¼)	1400-1¾ 648 (700-1¾)	NA

FAF to MAP 4.4 NM

Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

GARDEN CITY, KANSAS AL-491 (FAA) 20282

WAAS CH 42803 W17A	APP CRS 171°	Rwy ldg 7299 TDZE 2889 Apt Elev 2891

RNAV (GPS) RWY 17
GARDEN CITY RGNL (GCK)

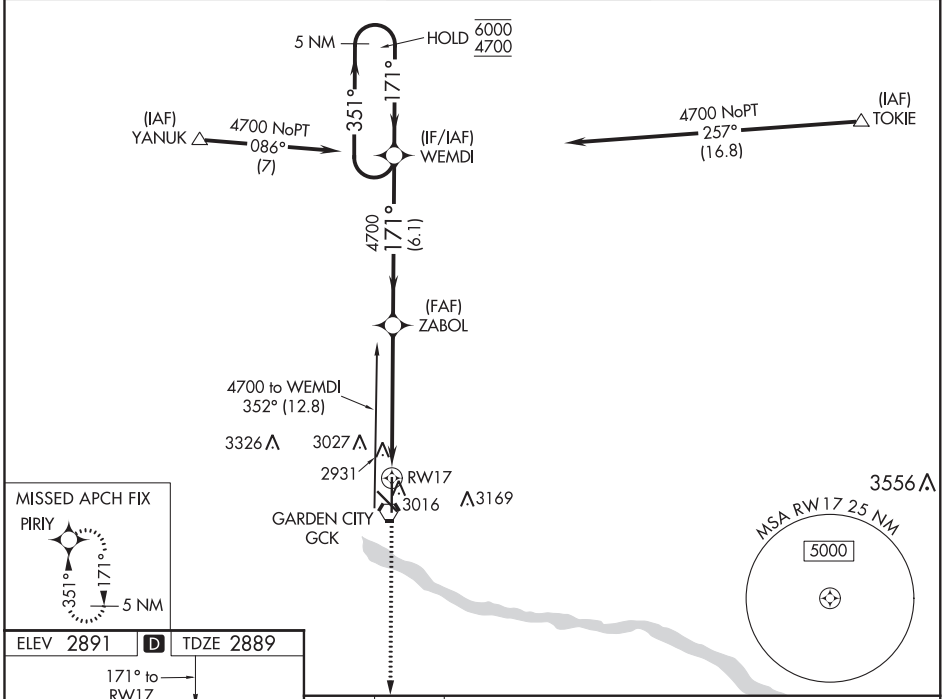
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 43°C.

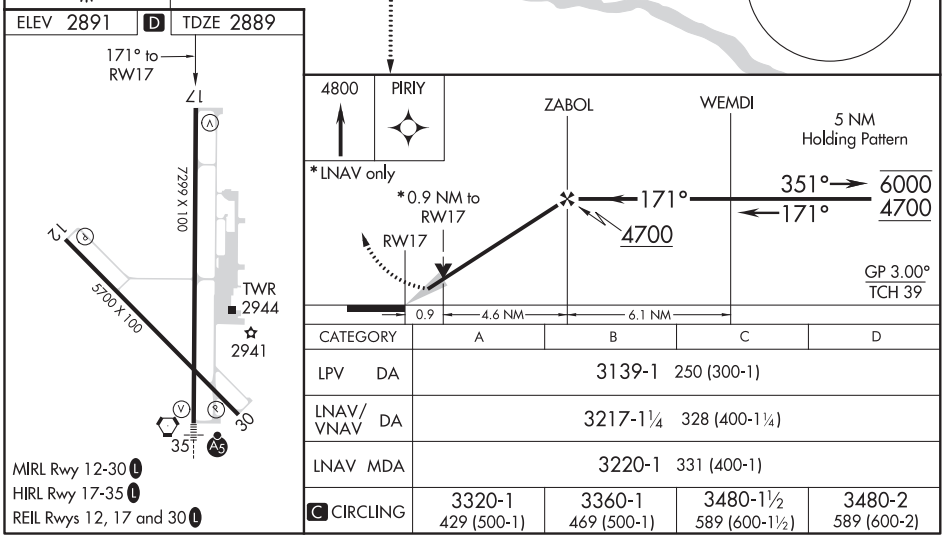
MISSED APPROACH: Climb to 4800 direct PIRIY and hold.

ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER*	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	3139-1 250 (300-1)			
LNAV/VNAV DA	3217-1¼ 328 (400-1¼)			
LNAV MDA	3220-1 331 (400-1)			
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

WAAS CH 86703 W30A	APP CRS 306°	Rwy ldg 5700 TDZE 2885 Apt Elev 2891

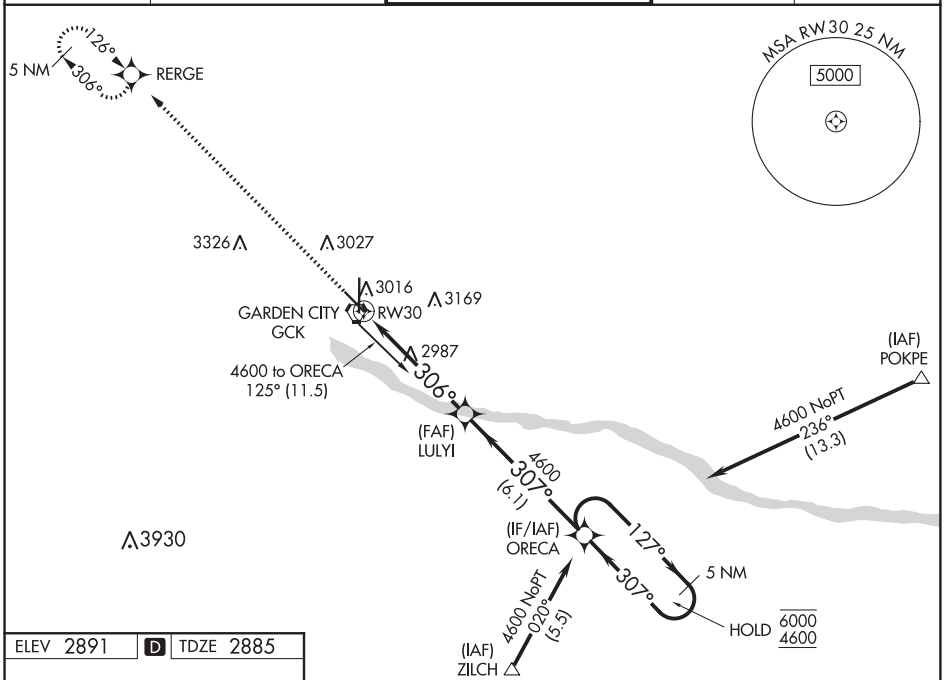
RNAV (GPS) RWY 30
GARDEN CITY RGNL (GCK)

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 43°C.

MISSED APPROACH: Climb to 4500 direct RERGE and hold.

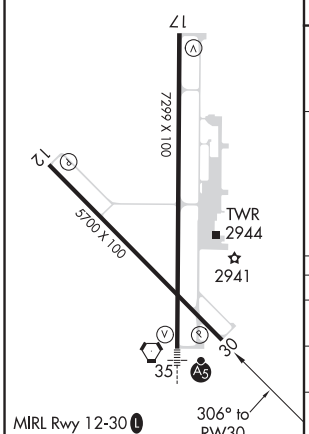
ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER ★	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95



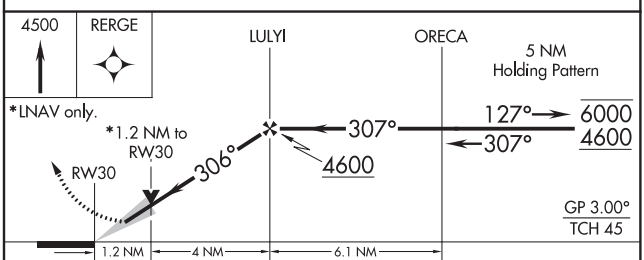
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 2891 D TDZE 2885



MIRL Rwy 12-30 L
HIRL Rwy 17-35 L
REIL Rwys 12, 17 and 30 L



CATEGORY	A	B	C	D
LPV DA	3135-1 250 (300-1)			
LNAV/VNAV DA	3186-1 301 (300-1)			
LNAV MDA	3300-1 415 (500-1)		3300-1¼ 415 (500-1¼)	
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

GARDEN CITY, KANSAS | AL-491 (FAA) | 20282

RNAV (GPS) RWY 35
GARDEN CITY RGNL (GCK)

WAAS CH 63103 W35A	APP CRS 351°	Rwy ldg 7299 TDZE 2885 Apt Elev 2891

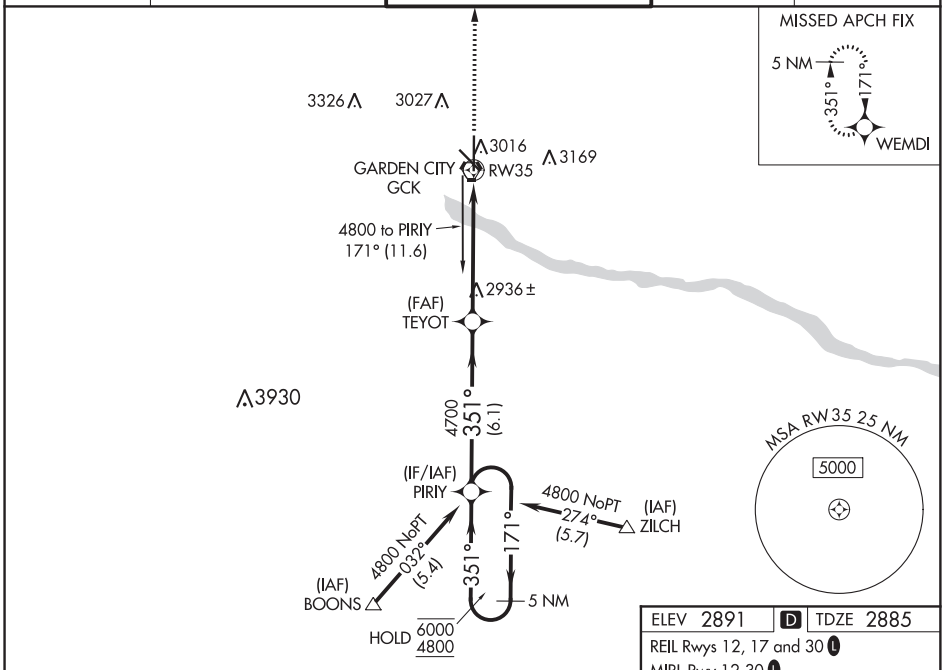
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 43°C. For inop ALS, increase LNAV/VNAV all Cats visibility to ⅞ SM, and LNAV Cat C visibility to ⅞ SM. Inop table does not apply to LNAV Cat D.

MALSR

MISSED APPROACH: Climb to 4700 direct WEMDI and hold.

ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER*	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95



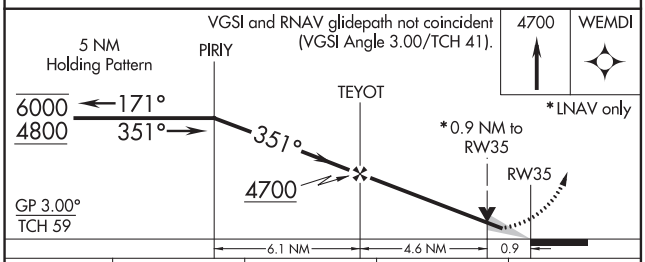
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 41).

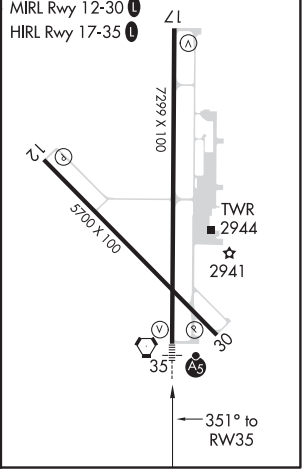
4700 | WEMDI

*LNAV only



ELEV 2891	D	TDZE 2885

REIL Rwys 12, 17 and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 17-35 L



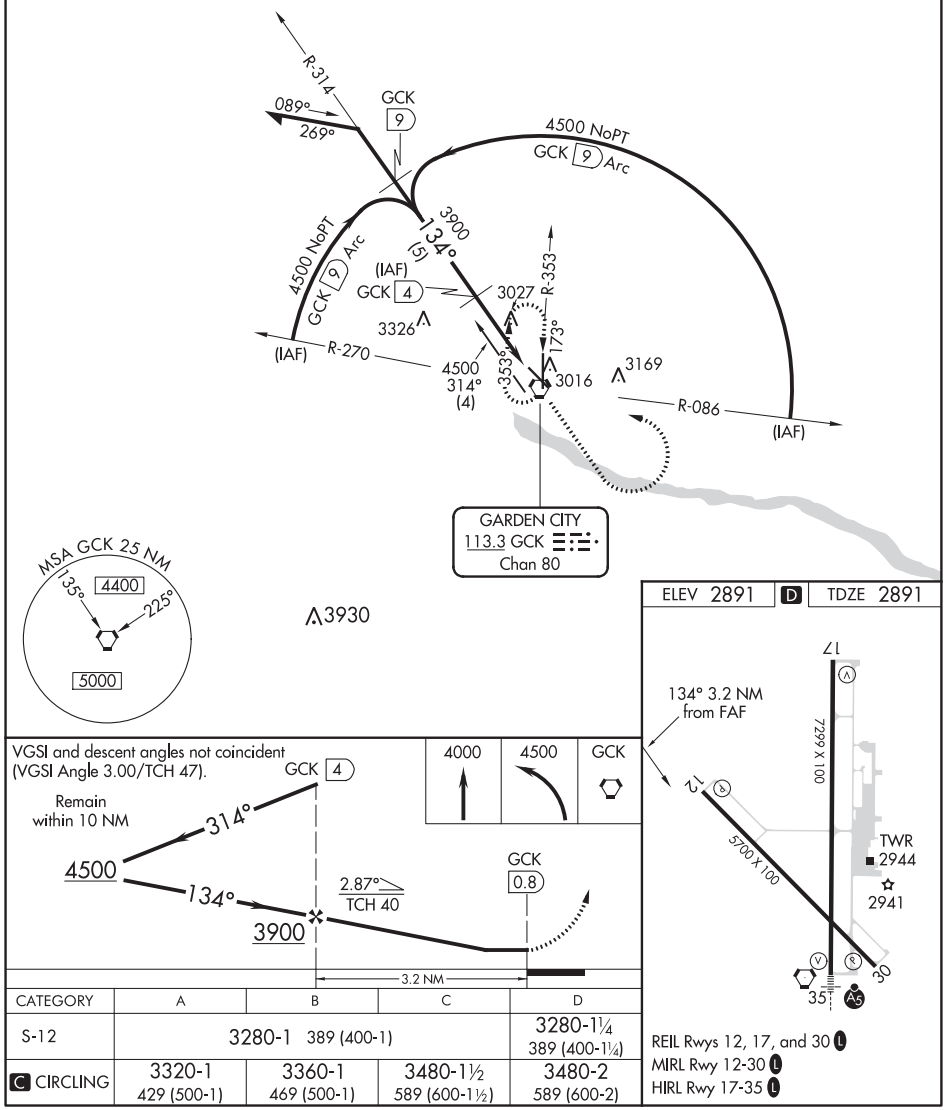
CATEGORY	A	B	C	D
LPV DA	3135-½ 250 (300-½)			
LNAV/VNAV DA	3169-½ 284 (300-½)			3169-¾ 284 (300-¾)
LNAV MDA	3200-½ 315 (400-½)			3200-1 315 (400-1)
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

VORTAC GCK 113.3 Chan 80	APP CRS 134°	Rwy ldg 5700 TDZE 2891 Apt Elev 2891

VOR/DME RWY 12
GARDEN CITY RGNL (GCK)

MISSED APPROACH: Climb to 4000 then climbing left turn to 4500 direct GCK VORTAC and hold.

ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER*	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95



REIL Rwys 12, 17, and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 17-35 L

CATEGORY	A	B	C	D
S-12	3280-1 389 (400-1)			3280-1¼ 389 (400-1¼)
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

GARDEN CITY, KANSAS AL-491 (FAA) 20282

VORTAC GCK	APP CRS	Rwy ldg	7299
113.3	173°	TDZE	2889
Chan 80		Apt Elev	2891

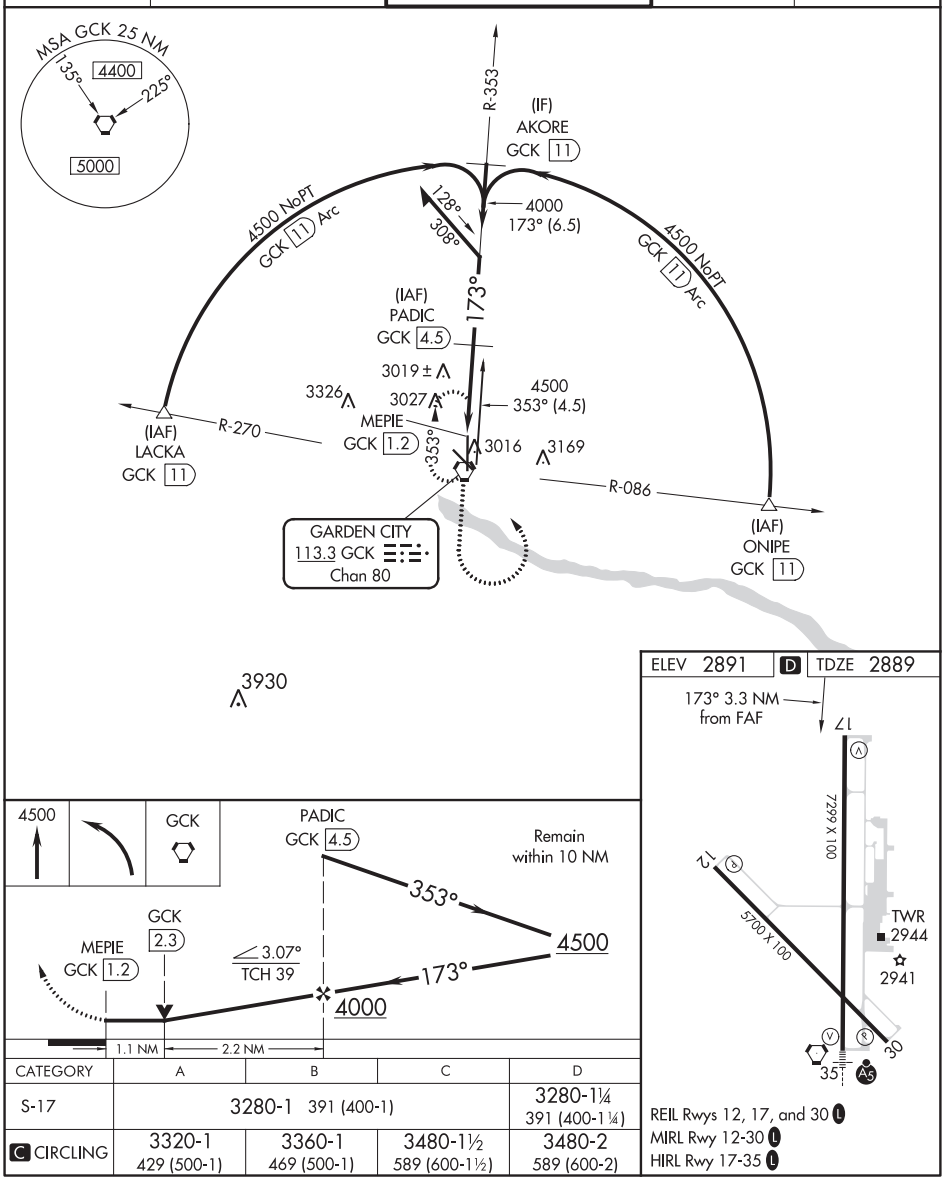
VOR/DME RWY 17
GARDEN CITY RGNL (GCK)

When local altimeter setting not received, use Dodge City Rgnl altimeter setting and increase all MDA 140 feet and Circling Cat C visibility ½ SM and Circling Cat D visibility ¼ SM. VDP NA when using Dodge City altimeter setting.

MISSED APPROACH: Climb to 4500, then left turn direct GCK VORTAC and hold.

ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER*	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-17	3280-1 391 (400-1)			3280-1¼ 391 (400-1¼)
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

REIL Rwys 12, 17, and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 17-35 L

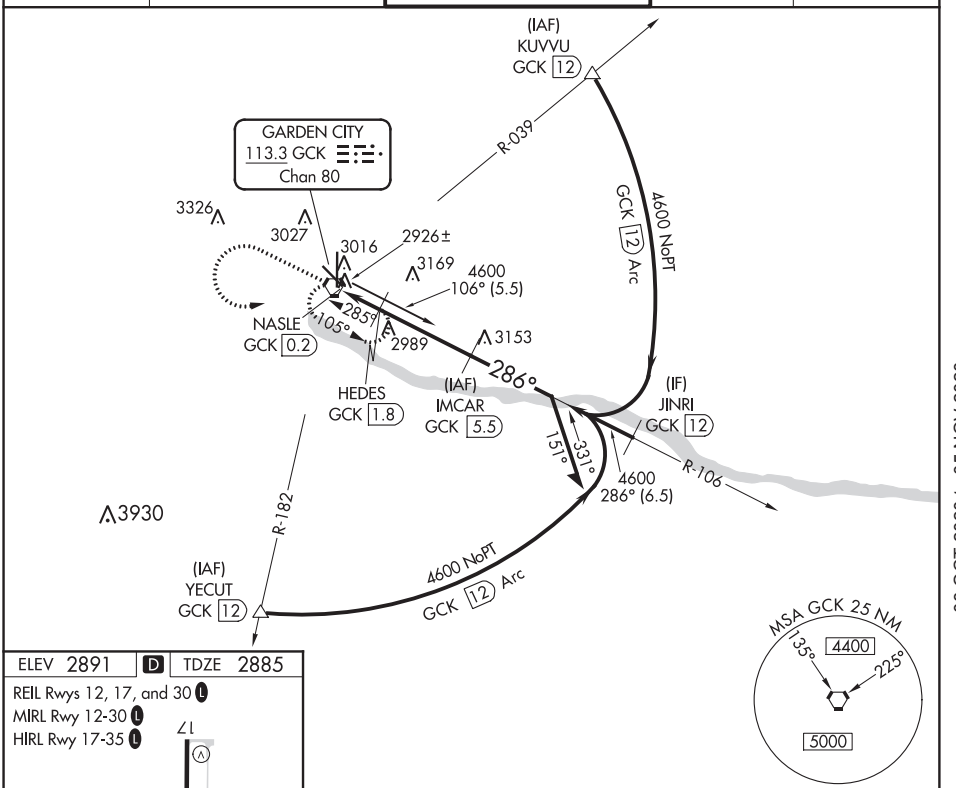
VOR/DME RWY 30
GARDEN CITY RGNL (GCK)

VORTAC GCK	APP CRS	Rwy ldg	5700
113.3	286°	TDZE	2885
Chan 80		Apt Elev	2891

When local altimeter setting not received, use Dodge City Rgnl altimeter setting and increase all MDA 140 feet and Circling Cat C visibility ½ SM and Circling Cat D visibility ¼ SM.

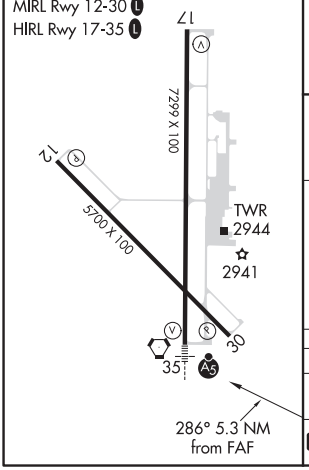
MISSED APPROACH:
Climb to 4000 then climbing left turn to 4600 direct GCK VORTAC and hold.

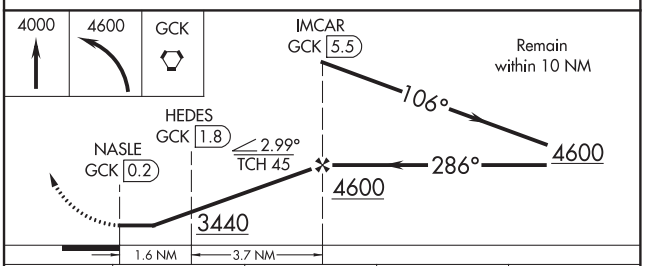
ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER *	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95



ELEV 2891 | D | TDZE 2885

REIL Rwys 12, 17, and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 17-35 L





CATEGORY	A	B	C	D
S-30	3240-1 355 (400-1)			3240-1¼ 355 (400-1¼)
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

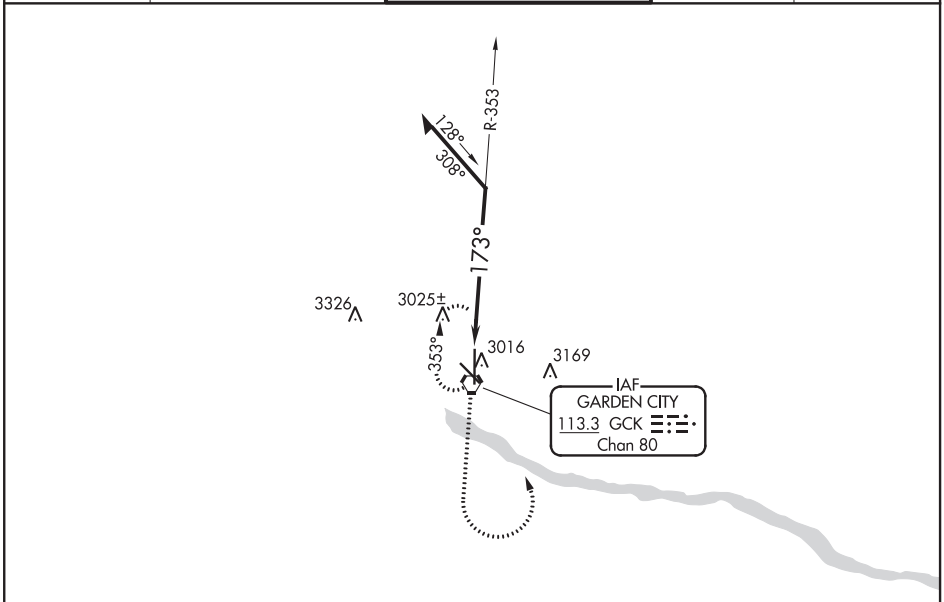
VORTAC GCK 113.3 Chan 80	APP CRS 173°	Rwy ldg 7299 TDZE 2889 Apt Elev 2891

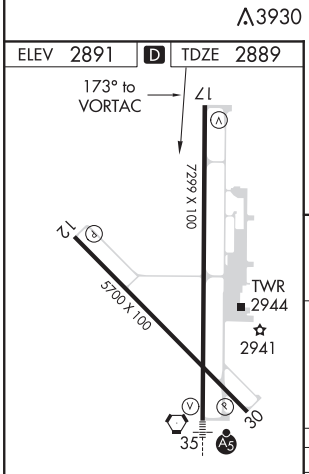
VOR RWY 17
GARDEN CITY RGNL (GCK)

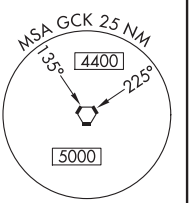
When local altimeter setting not received, use Dodge City Rgnl altimeter setting and increase all MDA 140 feet and Circling Cat C visibility ½ SM and Circling Cat D visibility ¼ SM. VDP NA whenusing Dodge City Rgnl altimeter setting.

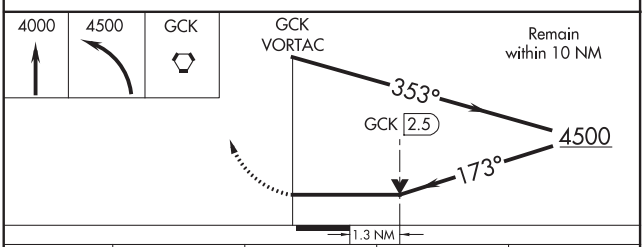
MISSED APPROACH:
Climb to 4000, then climbing left turn to 4500 direct GCK VORTAC and hold.

ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER*	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95









CATEGORY	A	B	C	D
S-17	3340-1 451 (500-1)		3340-1¼ 451 (500-1¼)	3340-1½ 451 (500-1½)
C CIRCLING	3340-1 449 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

REIL Rwys 12, 17, and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 17-35 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VOR RWY 35
GARDEN CITY RGNL (GCK)

VORTAC GCK	APP CRS	Rwy ldg	7299
113.3	344°	TDZE	2885
Chan 80		Apt Elev	2891

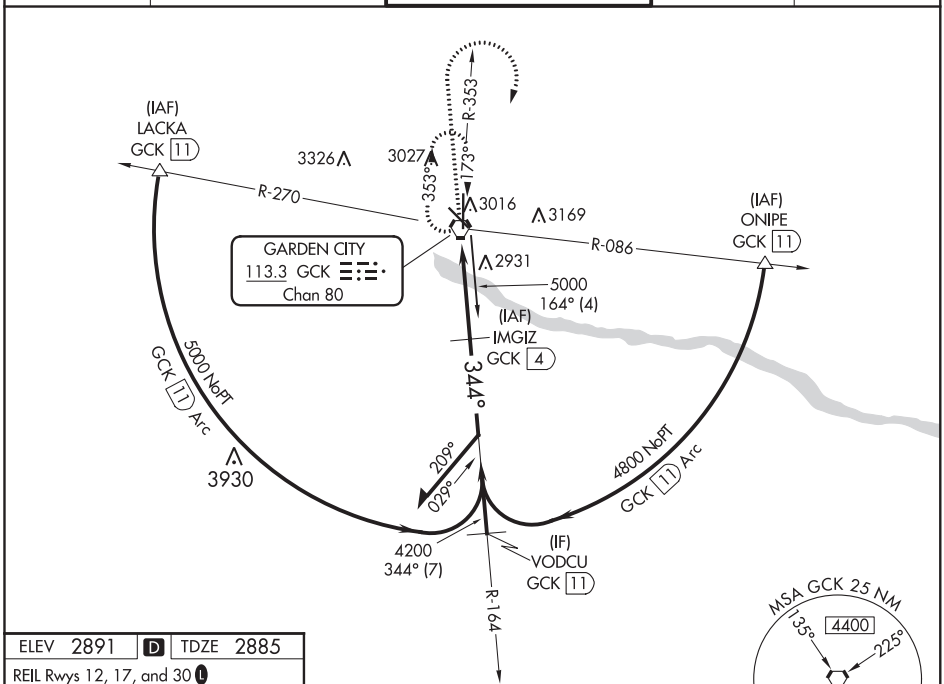
DME required.

For inop ALS, increase S-35 Cat C visibility to ⅞ SM. Inop table does not apply to S-35 Cat D.

MALSR

MISSED APPROACH: Climb to 4000 then climbing right turn to 4800 direct GCK VORTAC and hold.

ASOS	KANSAS CITY CENTER	GARDEN CITY TOWER ★	GND CON	UNICOM
121.325	125.2 269.4	118.15 (CTAF) L 254.4	119.0 254.4	122.95



08 OCT 2020 to 05 NOV 2020

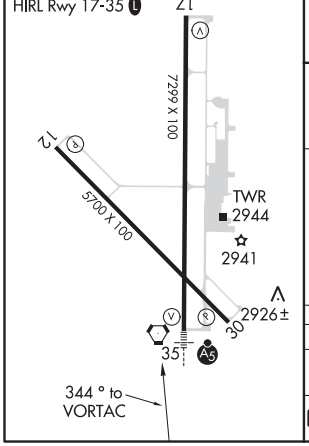
08 OCT 2020 to 05 NOV 2020

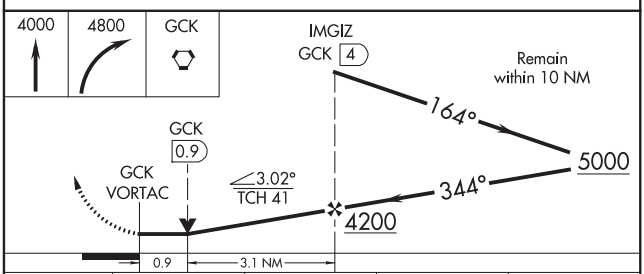
ELEV 2891 | D | TDZE 2885

REIL Rwys 12, 17, and 30 L

MIRL Rwy 12-30 L

HIRL Rwy 17-35 L





CATEGORY	A	B	C	D
S-35	3200-½ 315 (400-½)		3200-¾ 315 (400-¾)	3200-1 315 (400-1)
C CIRCLING	3320-1 429 (500-1)	3360-1 469 (500-1)	3480-1½ 589 (600-1½)	3480-2 589 (600-2)

20282

FORT KNOX, KENTUCKY

ILS or LOC/DME RWY 18

LOC/DME I-FTK	APCH CRS	Rwy ldg 5184
108.95	180°	THRE 754
Chan 26 (Y)		Arpt Elev 754

AL-151 [USA]

GODMAN AAF (KFTK)

*S-ILS 18 mins NA when train is on track North and East of Rwy 18, control twr will advise when train is on track. S-ILS 18 mins NA when control twr closed.
**Circling NA E of Rwy 18-36.

SSALR

MISSED APPROACH: Climb to 1300, then climbing right turn to 2500 on heading 030° to intercept FTK VOR/DME R-358 to KUTGE INT/I-FTK 12.3 DME and hold.

ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF)	121.9 239.3

Helicopter visibility reduction below 1SM NA. Inoperative table does not apply.

LOC Night landing Rwy 18: Operational VGSI required when train is on the track North and East of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.

R-358 180° 360° 1359 1350 (IAF/IF) KUTGE I-FTK 12.3 FTK 11.7 R-269 360° 180° 2500 269° (19.3)

LOUISVILLE 114.8 IIU Chan 95

TUSGY I-FTK 6.3

FORT KNOX 109.6 FTK Chan 33

LOCALIZER 108.95 I-FTK Chan 26(Y)

R3704 A & B

MSA FTK 25 NM 3000

ELEV 754 THRE 754

180° 5.3 NM from FAF

18 15 822 806 33 36 TWR 830 4853 × 75 0.5% UP 5184 × 150 0.5% DOWN

HIRL Rwy 18-36
MIRL Rwy 15-33
REIL Rwy 15
REIL Rwy 18

1300 2500 FTK R-358 KUTGE I-FTK 12.3 TUSGY I-FTK 6.3 KUTGE FTK R-358 I-FTK 12.3 FTK 11.7 I-FTK DME VGSI and ILS glidepath not coincident I-FTK 1 180° 2500 360° 180° 2500 GS 3.00° TCH 56 5.3 NM

CATEGORY	A	B	C	D
S-ILS 18*	1005-1 250 (300-1)			
S-LOC 18	1120-1 365 (400-1)			
C CIRCLING**	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

FORT KNOX, KENTUCKY

RNAV (GPS) RWY 15

APCH CRS	Rwy ldg	4853
151°	TDZE	754
	Arpt Elev	754

AL-151 [USA]

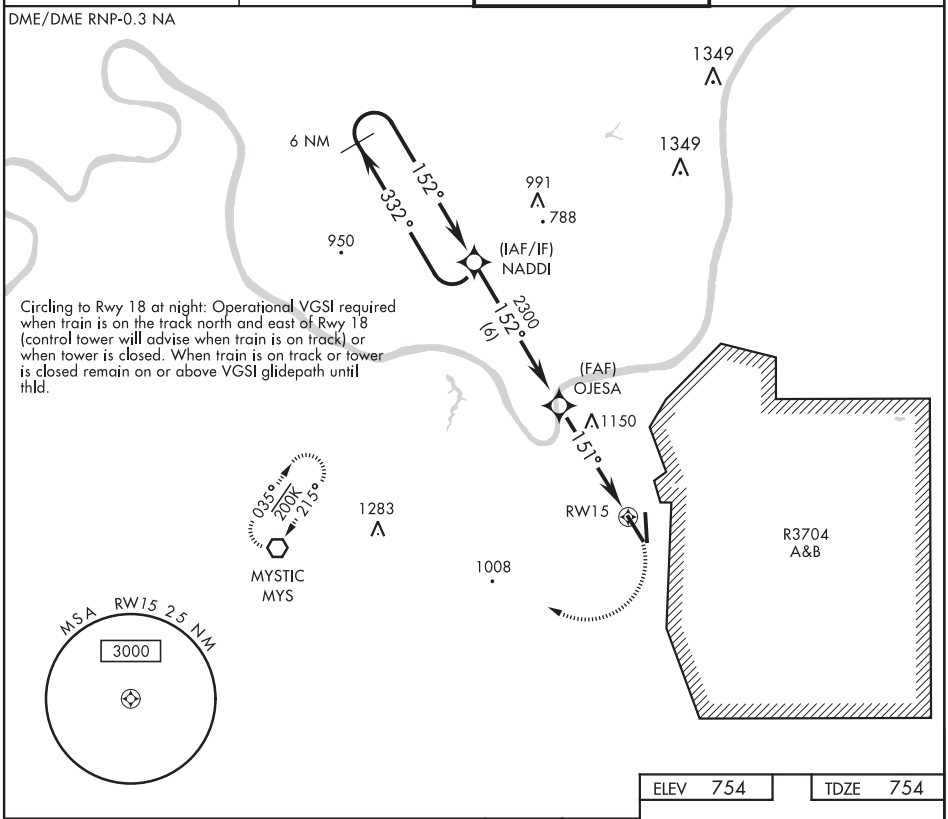
GODMAN AAF (KFTK)

* Circling not authorized E of Rwy 18-36.

MISSED APPROACH: Climbing right turn to 3000 direct MYS VOR and hold.

ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF)	121.9 239.3

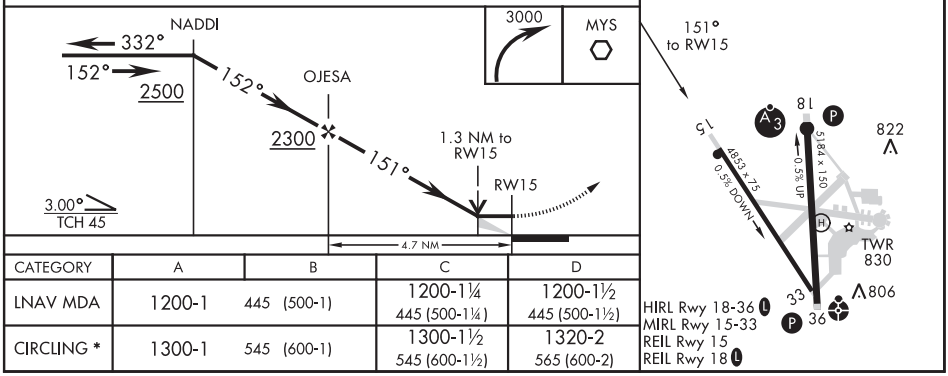
DME/DME RNP-0.3 NA



Circling to Rwy 18 at night: Operational VGSI required when train is on the track north and east of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	1200-1 445 (500-1)		1200-1¼ 445 (500-1¼)	1200-1½ 445 (500-1½)
CIRCLING *	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

20282

FORT KNOX, KENTUCKY

RNAV (GPS) RWY 18

APCH CRS	Rwy ldg	5184
180°	TDZE	754
	Arpt Elev	754

AL-151 [USA]

GODMAN AAF (KFTK)

* Circling not authorized E of Rwy 18-36.

SSALR

MISSED APPROACH: Climbing right to 2600, direct to NADDI and hold.

ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF)	121.9 239.3

Vis reduction by helicopters NA.

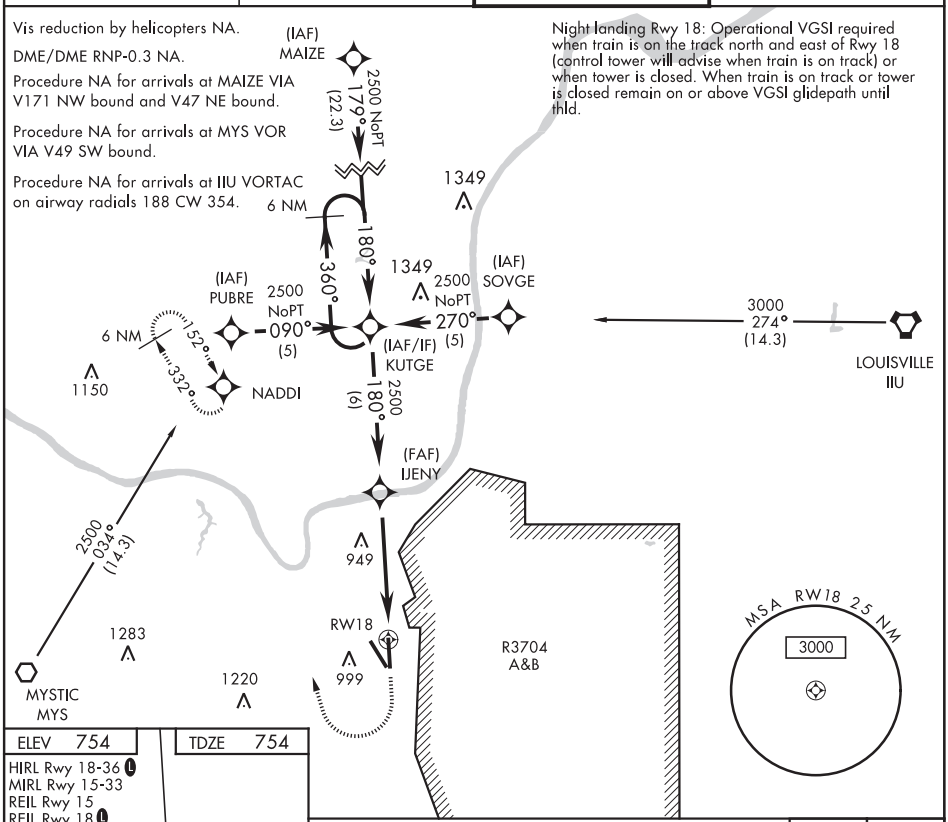
DME/DME RNP-0.3 NA.

Procedure NA for arrivals at MAIZE VIA V171 NW bound and V47 NE bound.

Procedure NA for arrivals at MYS VOR VIA V49 SW bound.

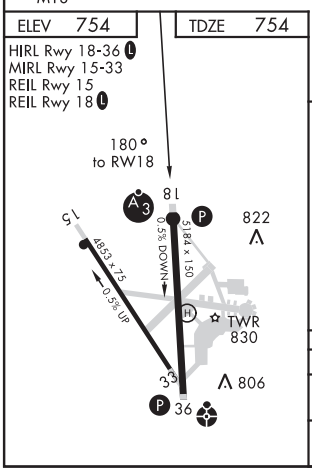
Procedure NA for arrivals at IIU VORTAC on airway radials 188 CW 354.

Night landing Rwy 18: Operational VGSI required when train is on the track north and east of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.

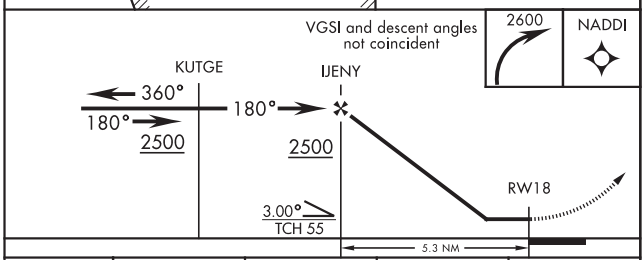


ELEV 754	TDZE 754

HIRL Rwy 18-36
MIRL Rwy 15-33
REIL Rwy 15
REIL Rwy 18



VGSI and descent angles not coincident



CATEGORY	A	B	C	D
LNAV MDA	1200-1 445 (500-1)		1200-1¼ 445 (500-1¼)	1200-1½ 445 (500-1½)
CIRCLING *	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

FORT KNOX, KENTUCKY

RNAV (GPS) RWY 36

APCH CRS	Rwy ldg	5184
015°	TDZE	741
	Arpt Elev	754

AL-151 [USA]

GODMAN AAF (KFTK)

* Circling not authorized E of Rwy 18-36.

ODALS

MISSED APPROACH: Climbing left turn to 2500 direct HONAL and hold.

ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF) L	121.9 239.3

DME/DME RNP-0.3 NA

Vis reduction by helicopters NA.
Inoperative table does not apply.

Circling to Rwy 18 at night: Operational VGSI required when train is on the track north and east of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.

MYSTIC
MYS
1283
2500
138°
(15.3)
1008
982
869
RW36
R3704
A&B
JILNO
1292
(FAF)
FOGPE
1019
2500
015°
(6)
1401
1017
1304
(IAF/IF)
HONAL
1450
2500 NoPT
290°
(17)
1044
015°
195°
6 NM
MSA RW 36 2.5 NM
3000
(IAF)
NEW HOPE
EWO
2500 NoPT
056°
(18)
(IAF)
OSINE

VGSI and descent angles not coincident.

2500 HONAL

HONAL FOGPE JILNO
195° 015°
015° 2500 2500
1.2 NM to RW36
1580
RW36
3.00°
TCH 55
2.9 NM 2.5 NM

ELEV 754 TDZE 741

HIRL Rwy 18-36 L
MIRL Rwy 15-33
REIL Rwy 15
REIL Rwy 18 L

A3 P 18 15 822
4853 x 75 0.5% UP
5184 x 150 0.5% UP
H TWR 830
806
P 36 33
015° to RW36

CATEGORY	A	B	C	D
LNAV MDA	1160-1 419 (500-1)		1160-1¼ 419 (500-1¼)	
CIRCLING *	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

FORT KNOX, KENTUCKY 37°54′N-85°58′W GODMAN AAF (KFTK)

Orig B 08OCT20

RNAV (GPS) RWY 36

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

FORT KNOX, KENTUCKY

20282

VOR/DME RWY 15

VOR/DME FTK 109.6 Chan 33	APCH CRS 146°	Rwy ldg 4853 TDZE 754 Arpt Elev 754

AL-151 [USA]

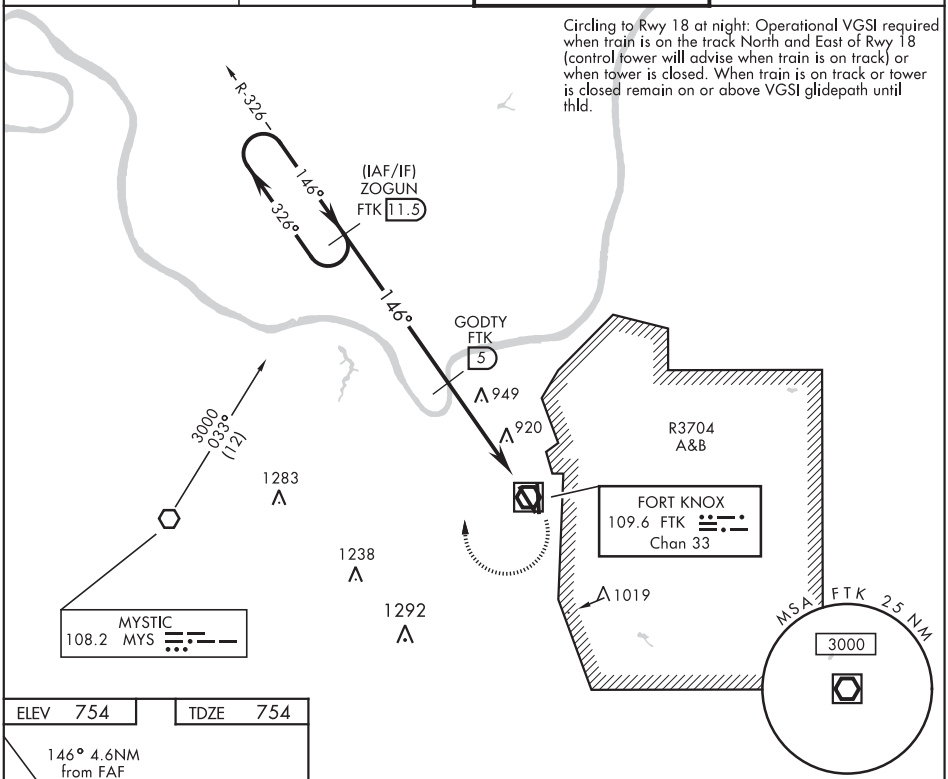
GODMAN AAF (KFTK)

* Circling not authorized E of Rwy 18-36.

MISSED APPROACH: Climb to 1300, then climbing right turn to 2600 on heading 356° and FTK VOR/DME R-326 to ZOGUN INT/FTK 11.5 DME and hold.

ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF) L	121.9 239.3

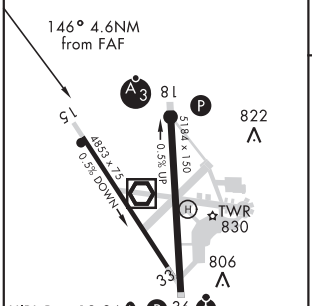
Circling to Rwy 18 at night: Operational VGSI required when train is on the track North and East of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.



08 OCT 2020 to 05 NOV 2020

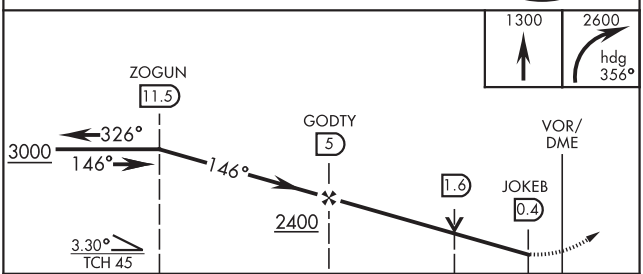
08 OCT 2020 to 05 NOV 2020

ELEV 754 | TDZE 754



HIRL Rwy 18-36 L
MIRL Rwy 15-33
REIL Rwy 15
REIL Rwy 18 L

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32



CATEGORY	A	B	C	D
S-15	1200-1 445 (500-1)		1200-1⅜ 445 (500-1⅜)	
C CIRCLING*	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

FORT KNOX, KENTUCKY

37°54′N-85°58′W

GODMAN AAF (KFTK)

Amdt 1B 08OCT20

VOR/DME RWY 15

FORT KNOX, KENTUCKY

VOR/DME RWY 18

VOR/DME FTK	APCH CRS	Rwy ldg 5184
109.6	186°	TDZE 754
Chan 33		Arpt Elev 754

AL-151 [USA] GODMAN AAF (KFTK)

* When ALS inop, increase CAT CD visibility to 1⅛ mile.
** Circling NA E of Rwy 18-36.

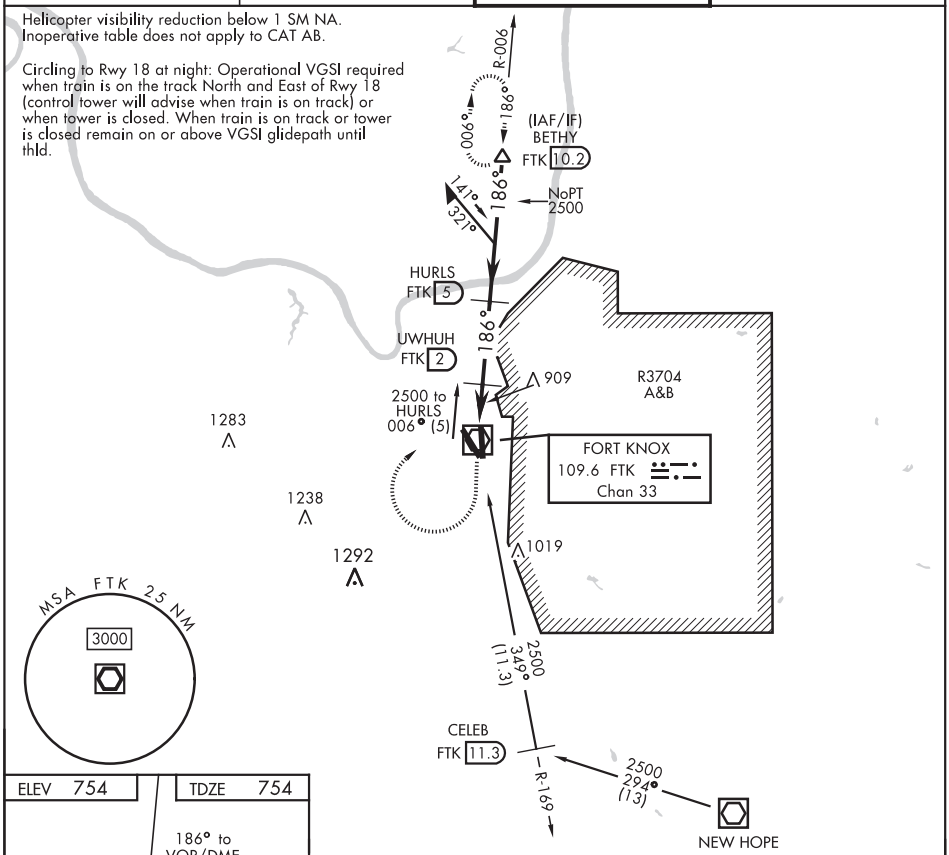
SSALR

MISSED APPROACH: Climb to 1300, then climbing right turn to 2600 on heading 036° and FTK VOR/DME R-006 to BETHY INT/FTK 10.2 DME and hold.

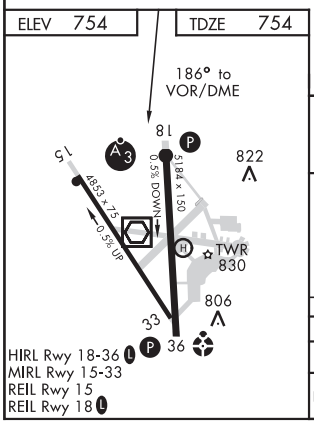
ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF)	121.9 239.3

Helicopter visibility reduction below 1 SM NA.
Inoperative table does not apply to CAT AB.

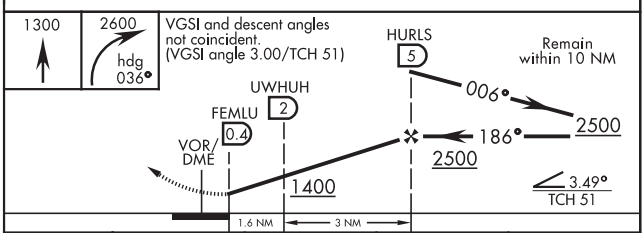
Circling to Rwy 18 at night: Operational VGSI required when train is on the track North and East of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.



ELEV 754	TDZE 754



HIRL Rwy 18-36
MIRL Rwy 15-33
REIL Rwy 15
REIL Rwy 18



CATEGORY	A	B	C	D
S-18 *	1160-1 405 (500-1)			
C CIRCLING **	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

FORT KNOX, KENTUCKY 37°54′N-85°58′W GODMAN AAF (KFTK)

Amdt 1B 08OCT20

VOR/DME RWY 18

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

20282

FORT KNOX, KENTUCKY

VOR/DME RWY 36

VOR/DME FTK 109.6 Chan 33	APCH CRS 349°	Rwy ldg 5184 TDZE 741 Arpt Elev 754

AL-151 [USA]

GODMAN AAF (KFTK)

* When ALS inop increase CAT D vis to 1⅜ mile.
** Circling not authorized E of Rwy 18-36.

ODALS

MISSED APPROACH: Climb to 1400, then climbing left turn to 2600 on FTK VOR/DME R-326 to ZOGUN INT/FTK 11.5 DME and hold.

ATIS★	LOUISVILLE APP CON	GODMAN TOWER★	GND CON
109.6	132.075 327.0	133.35 (CTAF) L	121.9 239.3

Circling to Rwy 18 at night: Operational VGSI required when train is on the track North and East of Rwy 18 (control tower will advise when train is on track) or when tower is closed. When train is on track or tower is closed remain on or above VGSI glidepath until thld.

Helicopter visibility reduction below ¾ SM NA.

R-326 146° 326° ZOGUN FTK 11.5 2600 146° (11.5)

FORT KNOX 109.6 FTK Chan 33

1283 1238 1292 912 2500 to SCALA INT 169° (5.2) VUYUG FTK 2.3 R3704 A&B 349° 1020 (IAF) SCALA FTK 5.2

MSA FTK 25 NM 3000

IAF NEW HOPE 110.8 EWO Chan 45

214° 034° (6.1) 2300 349° CELEB FTK 11.3 R-169 NoPT 2500 294° (13)

ELEV 754 TDZE 741

VGSI and descent angles not coincident (VGSI angle 3.00/TCH 60).

1400 2600 FTK R-326 ZOGUN

SCALA FTK 5.2 169° FTK VOR/DME VUYUG FTK 2.3 FTK WESIK FTK 1.7 0.5 349° 2500 2300 1360 Remain within 10 NM of SCALA 3.01° TCH 55 1.8 NM 2.9 NM

16 A3 18 P 822 4853 x 75 0.5% UP 5184 x 150 0.5% UP H TWR 830 806 33 P 36

HIRL Rwy 18-36 L
MIRL Rwy 15-33
REIL Rwy 15
REIL Rwy 18 L

349° to VOR/DME

CATEGORY	A	B	C	D
S-36*	1180-¾ 439 (500-¾)		1180-1⅛ 439 (500-1⅛)	
C CIRCLING**	1300-1 545 (600-1)		1300-1½ 545 (600-1½)	1320-2 565 (600-2)

FORT KNOX, KENTUCKY 37°54′N-85°58′W GODMAN AAF (KFTK)

Amdt 1B 08OCT20

VOR/DME RWY 36

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

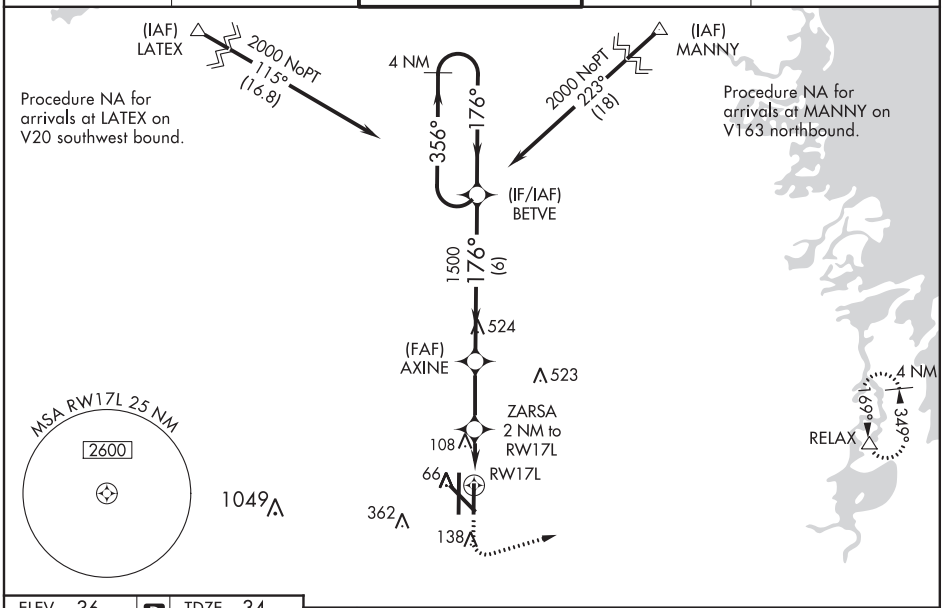
WAAS CH 90430 W17B	APP CRS 176°	Rwy ldg 5949 TDZE 34 Apt Elev 36

RNAV (GPS) RWY 17L
VALLEY INTL (HRL)

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 Port Isabel altimeter setting: increase LPV DA to 326 feet and all visibilities ⅛ SM; increase LNAV/VNAV DA to 392 feet and all visibilities ⅛ SM; increase all MDAs 60 feet and visibility Cats C and D ¼ SM. Baro-VNAV and VDP NA with Port Isabel altimeter setting.

MISSED APPROACH: Climb to 500 then climbing left turn to 2000 direct RELAX and hold.

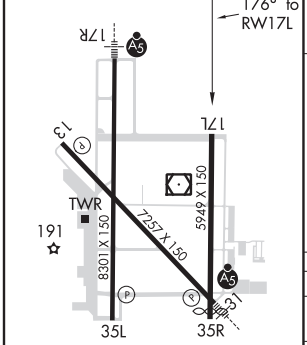
ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) 317.6	121.7	122.95



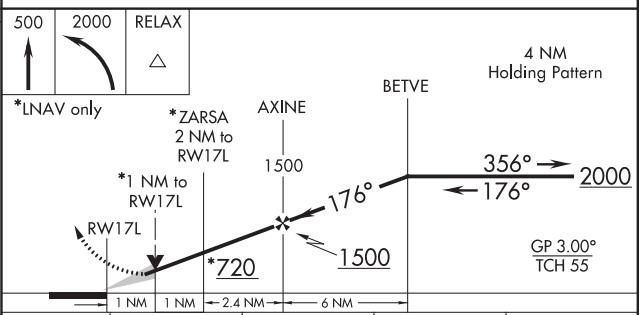
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 36 D TDZE 34



MIRL Rwy 17L-35R
REIL Rwys 13 and 17L
HIRL Rwys 13-31 and 17R-35L



CATEGORY	A	B	C	D
LPV DA	284-¾ 250 (300-¾)			
LNAV/VNAV DA	350-1⅛ 316 (400-1⅛)			
LNAV MDA	400-1 366 (400-1)			
C CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

HARLINGEN, TEXAS AL-827 (FAA) 20282

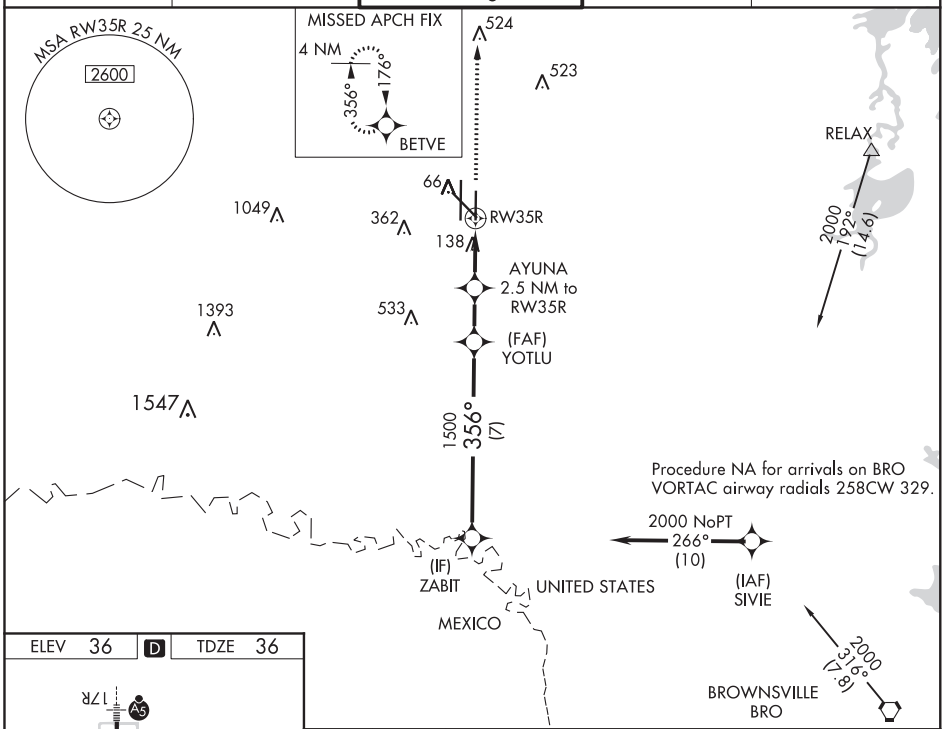
WAAS CH 72830 W35A	APP CRS 356°	Rwy ldg 5759 TDZE 36 Apt Elev 36

RNAV (GPS) RWY 35R
VALLEY INTL (HRL)

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 Port Isabel altimeter setting: increase all DAs to 328 feet and all visibilities ⅛ SM; increase all MDAs 60 feet and visibility Cats C and D ¼ SM. Baro-VNAV and VDP NA with Port Isabel altimeter setting.

MISSED APPROACH: Climb to 2000 direct BETVE and hold.

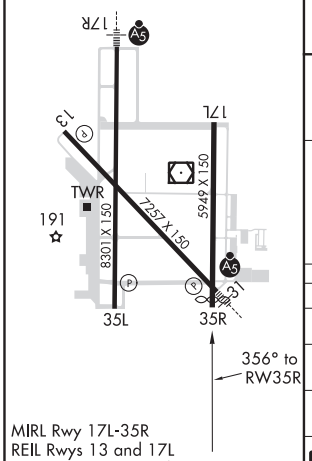
ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) L 317.6	121.7	122.95



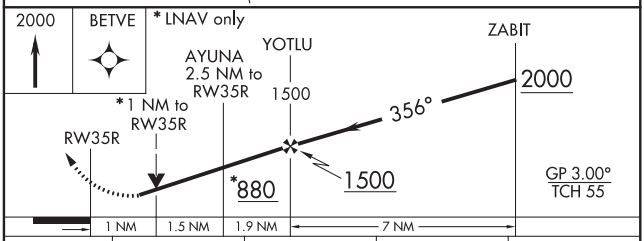
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 36 D TDZE 36



MIRL Rwy 17L-35R
REIL Rwys 13 and 17L
HIRL Rwys 13-31 and 17R-35L



CATEGORY	A	B	C	D
LPV DA	286-¾ 250 (300-¾)			
LNAV/VNAV DA	286-¾ 250 (300-¾)			
LNAV MDA	400-1 364 (400-1)			
C CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

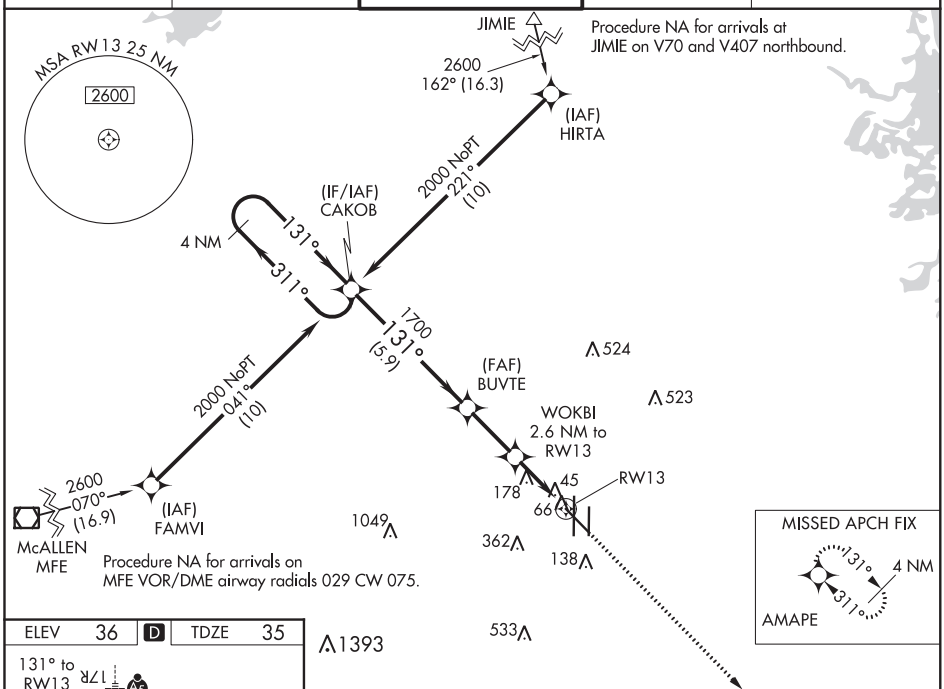
WAAS CH 78230 W13A	APP CRS 131°	Rwy ldg 7257 TDZE 35 Apt Elev 36

RNAV (GPS) Y RWY 13
VALLEY INTL (HRL)

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 Port Isabel altimeter setting: increase LPV DA to 327 feet and all vsibilities ⅛ SM; increase LNAV/VNAV DA to 370 feet and all visibilities ⅛ SM; increase all MDAs 60 feet and visibility Cats C and D ¼ SM. Baro-VNAV and VDP NA with Port Isabel altimeter setting.

MISSED APPROACH: Climb to 2000 direct AMAPE and hold.

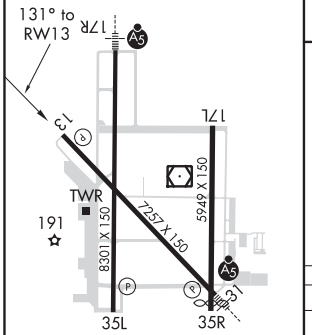
ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) 317.6	121.7	122.95

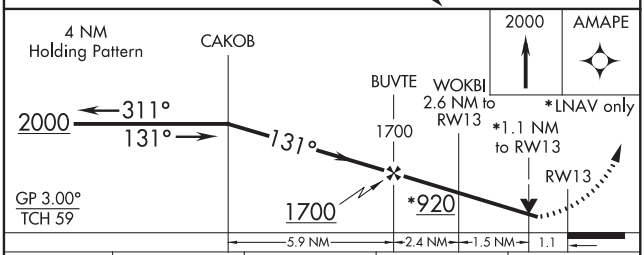


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 36 D TDZE 35





CATEGORY	A	B	C	D
LPV DA	285-¾ 250 (300-¾)			
LNAV/VNAV DA	328-⅞ 293 (300-⅞)			
LNAV MDA	440-1 405 (500-1)		440-1⅛ 405 (500-1⅛)	
C CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

MIRL Rwy 17L-35R
REIL Rwys 13 and 17L
HIRL Rwys 13-31 and 17R-35L

HARLINGEN, TEXAS | AL-827 (FAA) | 20282

WAAS CH 50131 W17A	APP CRS 176°	Rwy ldg 8301 TDZE 35 Apt Elev 36

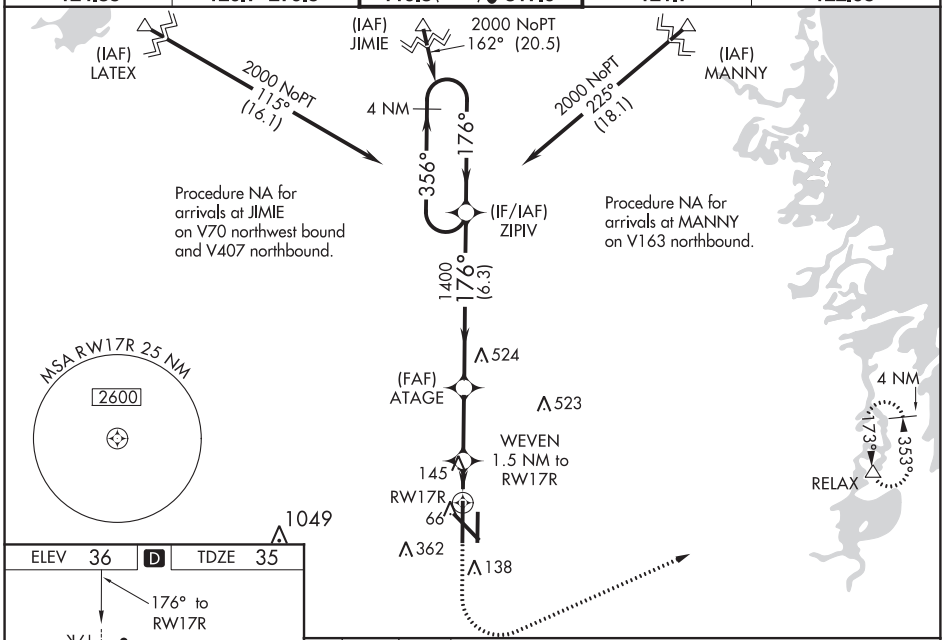
RNAV (GPS) Y RWY 17R
VALLEY INTL (HRL)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 2°C (36°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Port Isabel altimeter setting: increase LPV DA to 277 feet; increase LNAV/VNAV DA to 327 feet; increase all MDAs 60 feet and visibility Cats C and D ¼ SM. For inoperative MALSR, increase LNAV/VNAV all Cats visibility to RVR 4000, LNAV all Cats visibility to RVR 5500. For inoperative MALSR, when using Port Isabel altimeter setting, increase LNAV/VNAV all Cats visibility to RVR 4500, LNAV Cats A and B visibility to RVR 5500 and Cats C and D visibility to 1¼ mile. Baro-VNAV NA with Port Isabel altimeter setting. VDP NA with Port Isabel altimeter setting. **RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using Port Isabel altimeter setting.

MALSR

MISSED APPROACH: Climb to 500 then climbing left turn to 2000 direct RELAX and hold

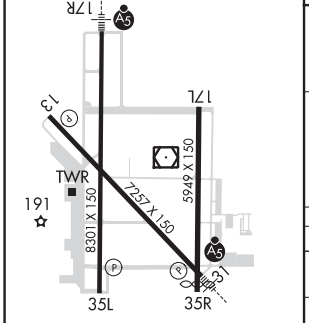
ATIS	VALLEY APP CON	HARLINGEN TOWER*	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) L 317.6	121.7	122.95



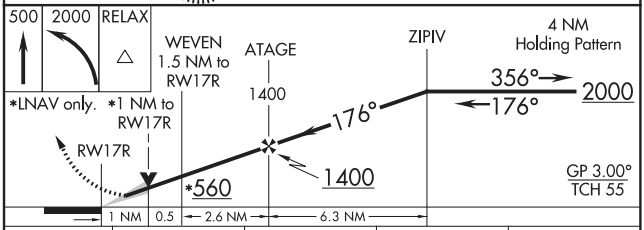
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 36 | D | TDZE 35



MIRL Rwy 17L-35R
REIL Rwys 13 and 17L
HIRL Rwys 13-31 and 17R-35L



CATEGORY	A	B	C	D
LPV DA **	235/24 200 (200-½)			
LNAV/VNAV DA	285/24 250 (300-½)			
LNAV MDA	400/24 365 (400-½)		400/35 365 (400-⅝)	
C CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

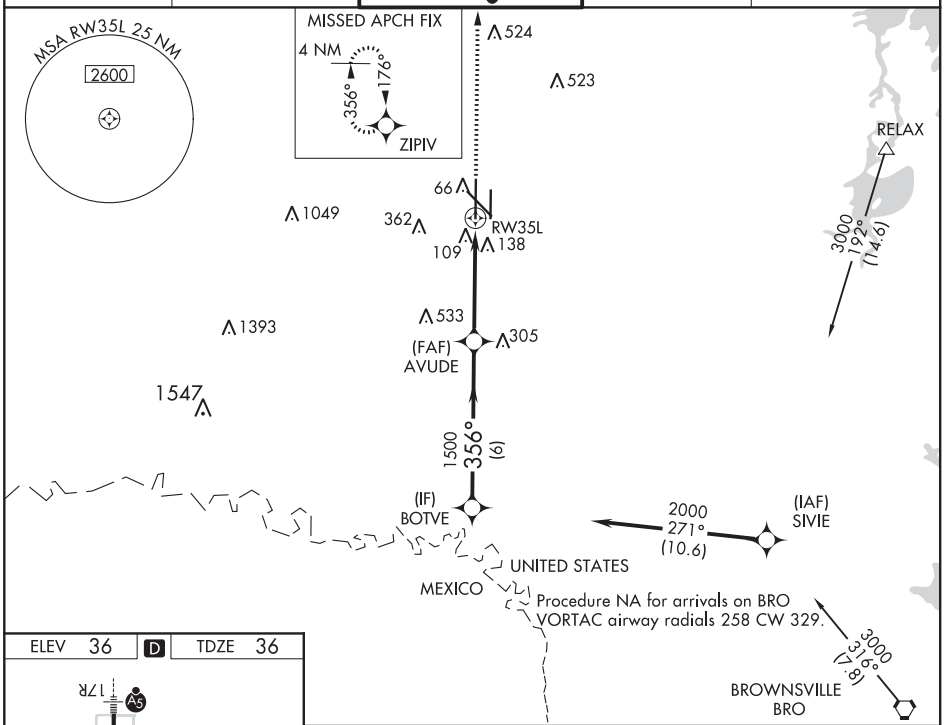
WAAS CH 86530 W35B	APP CRS 356°	Rwy ldg 8301 TDZE 36 Apt Elev 36

RNAV (GPS) Y RWY 35L
VALLEY INTL (HRL)

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 Port Isabel altimeter setting: increase LPV DA to 328 feet and all visibilities ⅛ SM; increase LNAV/VNAV DA to 418 feet and all visibilities ⅛ SM; increase all MDAs 60 feet and visibility Cats C and D ¼ SM. Baro-VNAV and VDP NA with Port Isabel altimeter setting.

MISSED APPROACH: Climb to 2000 direct ZIPIV and hold.

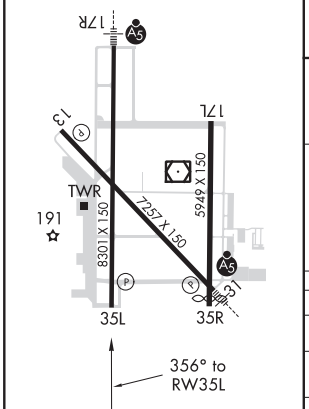
ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) L 317.6	121.7	122.95



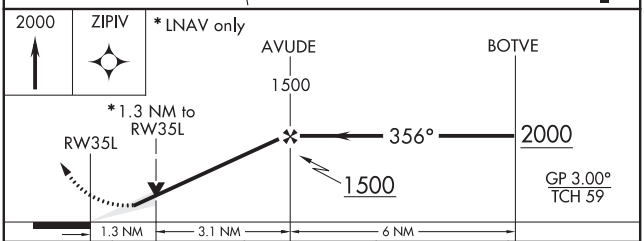
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 36 D TDZE 36



MIRL Rwy 17L-35R
REIL Rwys 13 and 17L
HIRL Rwys 13-31 and 17R-35L



CATEGORY	A	B	C	D
LPV DA	286-¾ 250 (300-¾)			
LNAV/VNAV DA	376-1⅛ 340 (400-1⅛)			
LNAV MDA	500-1 464 (500-1)		500-1⅜ 464 (500-1⅜)	
C CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

HARLINGEN, TEXAS | AL-827 (FAA) | 20282

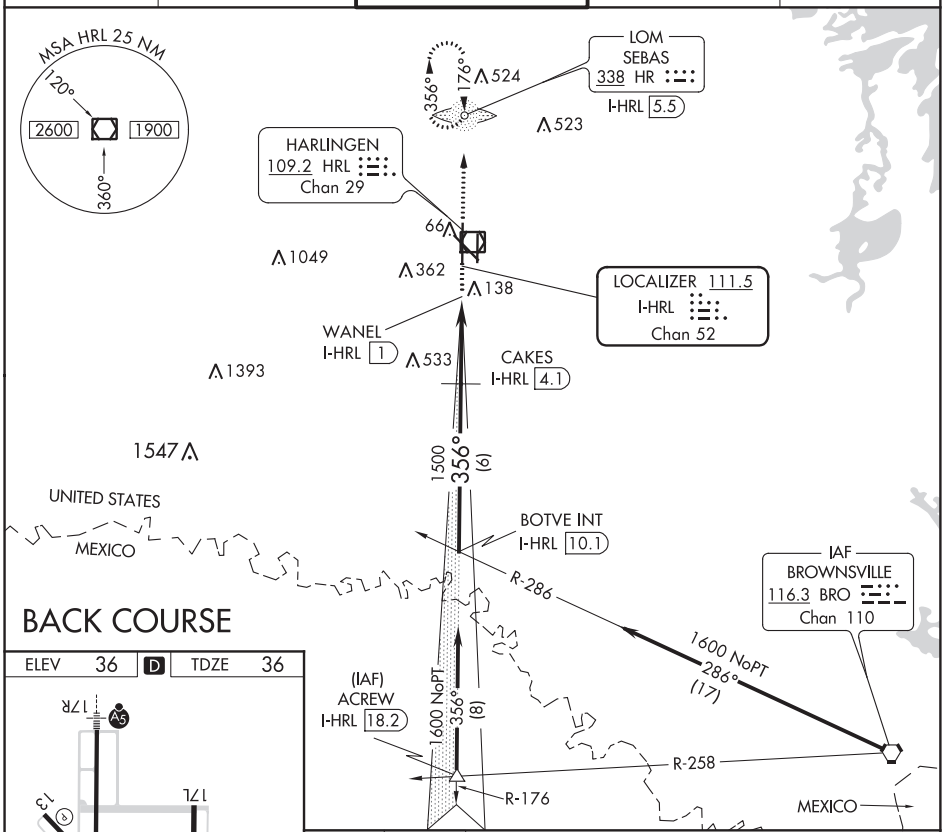
LOC/DME BC RWY 35L
VALLEY INTL (HRL)

LOC/DME I-HRL	APP CRS	Rwy ldg	8301
111.5	356°	TDZE	36
Chan 52		Apt Elev	36

LOC BC unusable from 1NM inbound.
Disregard glide slope indications.

MISSED APPROACH: Climb to 1600 via I-HRL north course to SEBAS/I-HRL 5.5 DME and hold.

ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) L 317.6	121.7	122.95



CATEGORY	A	B	C	D
S-35L	420-1½ 384 (400-1½)			
C CIRCLING	500-1½ 464 (500-1½)	560-1½ 524 (600-1½)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

08 OCT 2020 to 05 NOV 2020

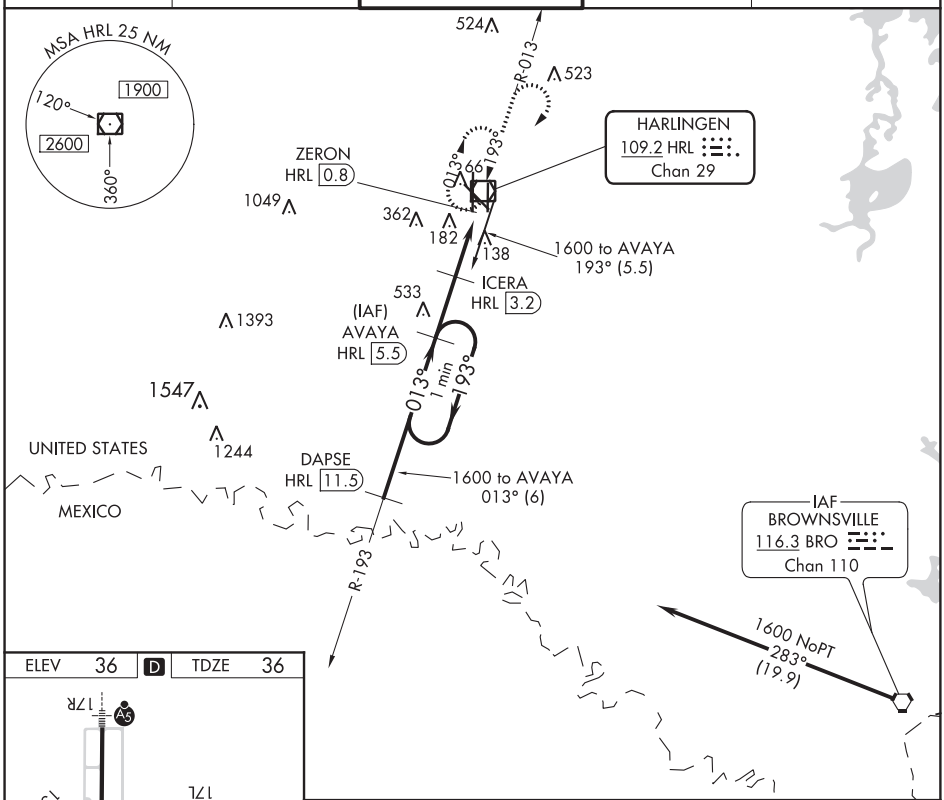
08 OCT 2020 to 05 NOV 2020

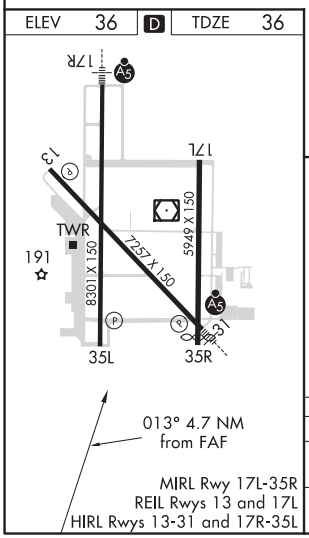
VOR/DME HRL 109.2 Chan 29	APP CRS 013°	Rwy ldg 8301 TDZE 36 Apt Elev 36

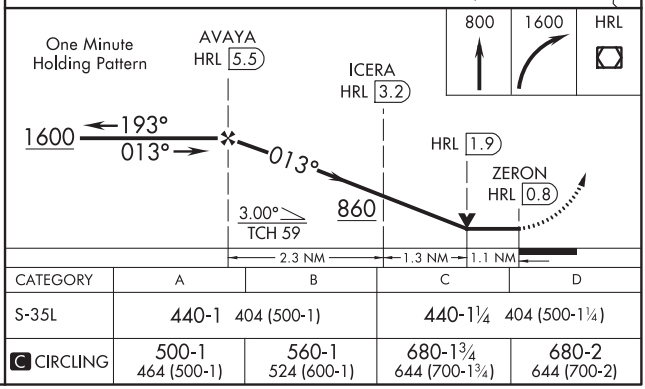
VOR/DME RWY 35L
VALLEY INTL (HRL)

MISSED APPROACH: Climb to 800 then climbing right turn to 1600 direct HRL VOR/DME and hold.

ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) L 317.6	121.7	122.95







CATEGORY	A	B	C	D
S-35L	440-1 404 (500-1)		440-1¼ 404 (500-1¼)	
C CIRCLING	500-1 464 (500-1)	560-1 524 (600-1)	680-1¾ 644 (700-1¾)	680-2 644 (700-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HARLINGEN, TEXAS | AL-827 (FAA) | 20282

VOR/DME Y or TACAN RWY 31

VALLEY INTL (HRL)

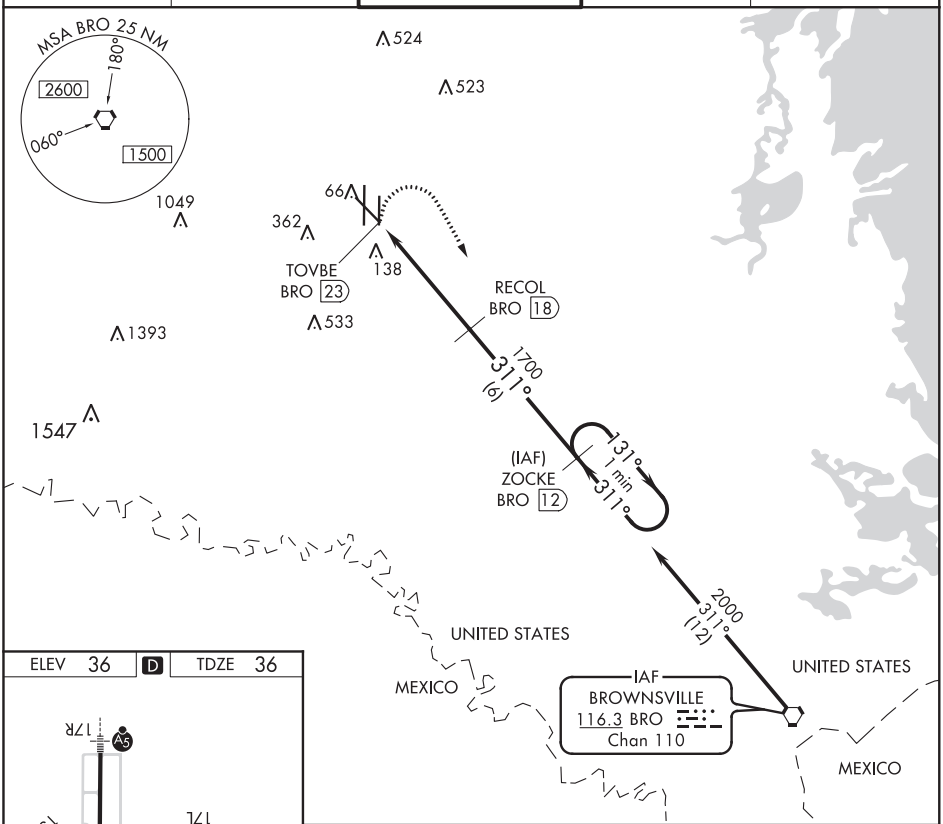
VORTAC BRO 116.3 Chan 110	APP CRS 311°	Rwy ldg 7257 TDZE 36 Apt Elev 36

When local altimeter setting not received, use Port Isabel altimeter setting and increase all MDA 60 feet.

MALSR

MISSED APPROACH: Climbing right turn to 2000 via BRO R-311 to ZOCKE/12 DME and hold.

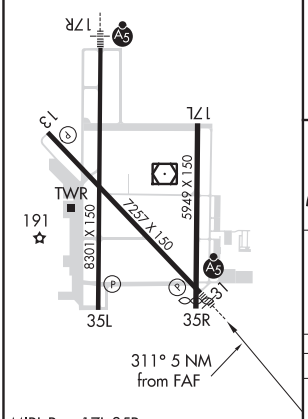
ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 279.5	119.3 (CTAF) 317.6	121.7	122.95



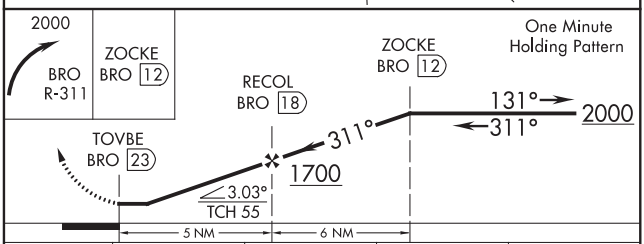
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 36 | D | TDZE 36



MIRL Rwy 17L-35R
REIL Rwys 13 and 17L
HIRL Rwys 13-31 and 17R-35L



CATEGORY	A	B	C	D
S-31	1000-1¼ 964 (1000-1¼)	1000-1½ 964 (1000-1½)	1000-3	964 (1000-3)
C CIRCLING	1000-1¼ 964 (1000-1¼)	1000-1½ 964 (1000-1½)	1000-3	964 (1000-3)

APP CRS	Rwy ldg	6161
182°	TDZE	1365
	Apt Elev	1365

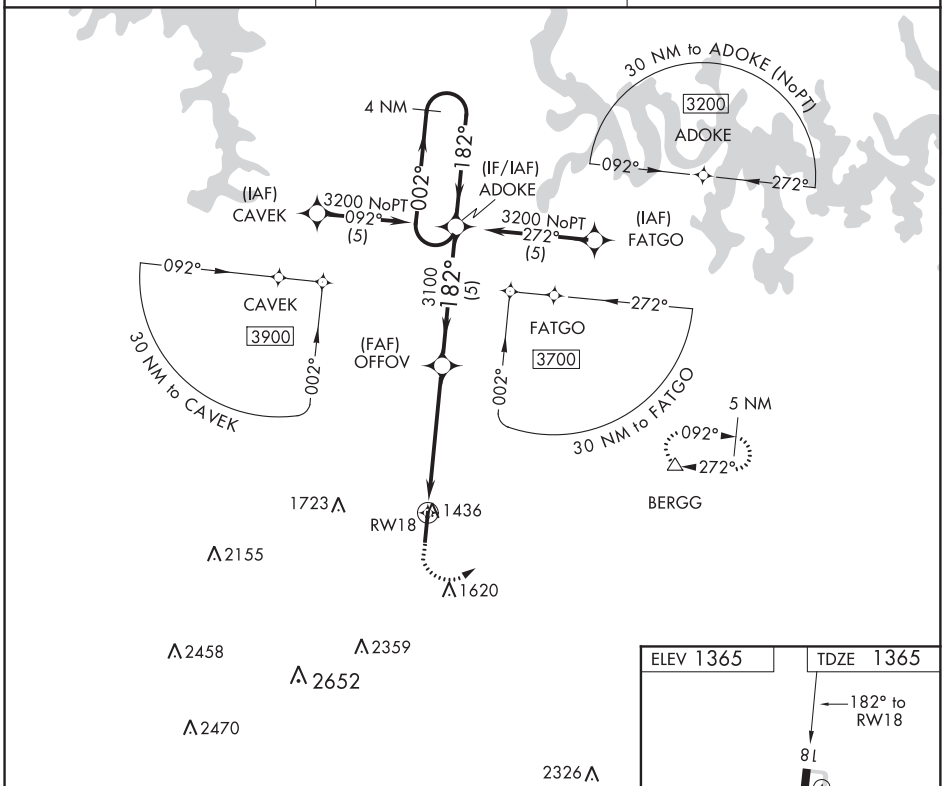
RNAV (GPS) RWY 18
BOONE COUNTY (HRO)

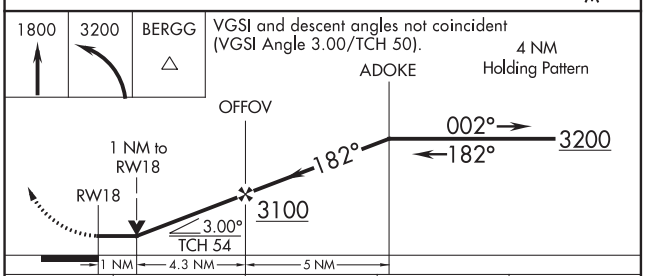
RNP APCH.

Rwy 18 helicopter visibility reduction below ¾ SM NA.

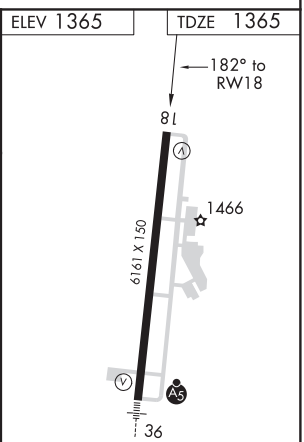
MISSED APPROACH: Climb to 1800 then climbing left turn to 3200 direct BERGG and hold.

ASOS	MEMPHIS CENTER	UNICOM
121.125	126.85 281.55	123.0 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1720-1 355 (400-1)			
C CIRCLING	1840-1 475 (500-1)	1860-1 495 (500-1)	2340-3 975 (1000-3)	2560-3 1195 (1200-3)



HIRL Rwy 18-36 L
REIL Rwy 18 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HARRISON, ARKANSAS

AL-5135 (FAA)

20282

RNAV (GPS) RWY 36
BOONE COUNTY (HRO)

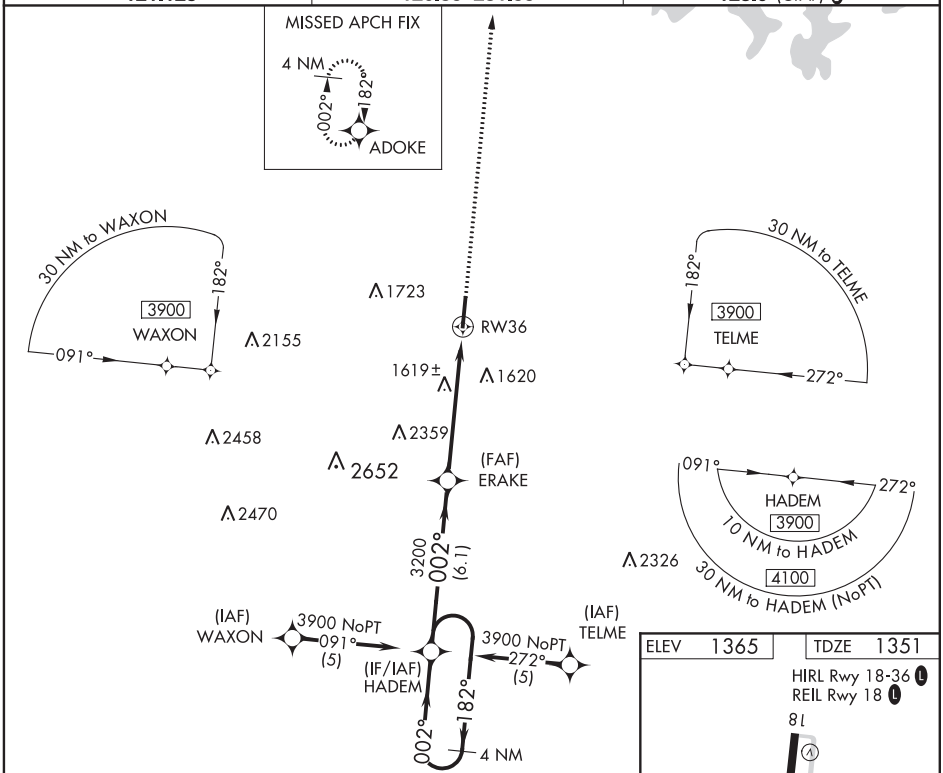
WAAS CH 93711 W36A	APP CRS 002°	Rwy ldg 6161 TDZE 1351 Apt Elev 1365

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Mountain Home altimeter setting. When local altimeter setting not received, use Mountain Home altimeter setting and increase all DA 139 feet and all MDA 140 feet, increase LPV all Cats and LNAV and Circling Cat C and D visibility ¼ mile, increase LNAV/VNAV all Cats visibility ½ mile. For inoperative MALSR when using Mountain Home altimeter setting, increase LPV all Cats visibility to 1¼.

MALSR

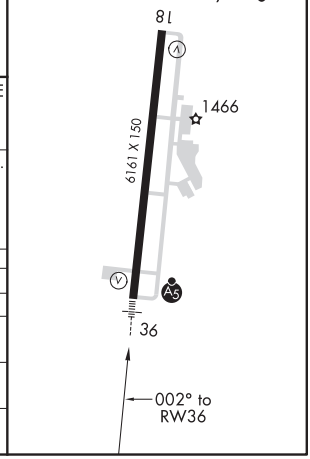
MISSED APPROACH: Climb to 3200 direct ADOKE and hold.

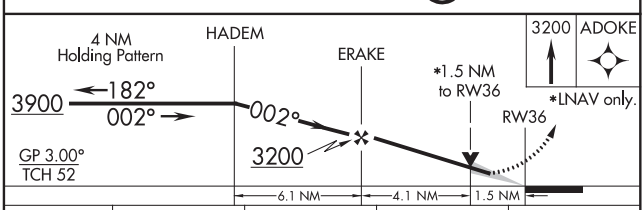
ASOS	MEMPHIS CENTER	UNICOM
121.125	126.85 281.55	123.0 (CTAF) L



ELEV 1365	TDZE 1351

HIRL Rwy 18-36 L
REIL Rwy 18 L





CATEGORY	A	B	C	D
LPV DA	1601-½ 250 (300-½)			
LNAV/VNAV DA	1815-1 464 (500-1)			
LNAV MDA	1880-½ 529 (600-½)		1880-1 529 (600-1)	1880-1¼ 529 (600-1¼)
C CIRCLING	1880-1 515 (600-1)		2340-3 975 (1000-3)	2560-3 1195 (1200-3)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HARRISON, ARKANSAS
Amdt 1A 08OCT20

36°16'N-93°09'W

BOONE COUNTY (HRO)
RNAV (GPS) RWY 36

LOC I-HHR	APP CRS	Rwy ldg	4193
109.1	253°	TDZE	63
		Apt Elev	66

LOC RWY 25

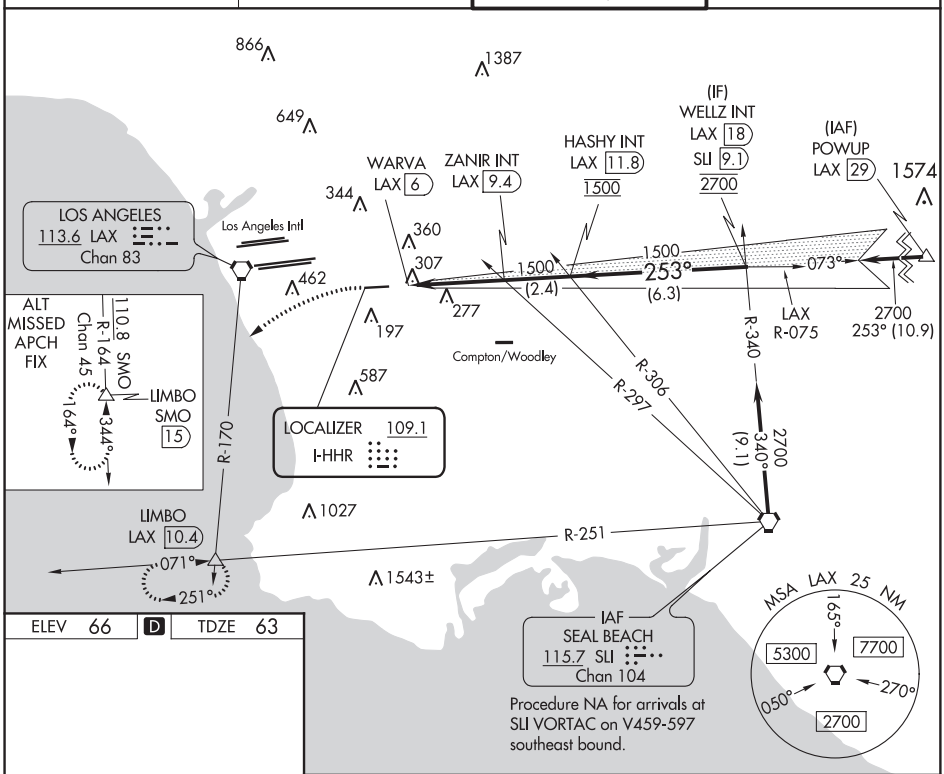
JACK NORTHROP FIELD/HAWTHORNE MUNI (HHR)

T A Inop table does not apply to Cat C. Rwy 25 helicopter visibility reduction below ¾ SM NA. Circling NA when control tower closed. When local altimeter setting not received, use Los Angeles Intl altimeter setting. Simultaneous approach authorized with LAX 25L/R 24L/R. Circling NA north of Rwy 7-25. DME from LAX VORTAC. Simultaneous reception of I-HHR and LAX DME required.

ODALS

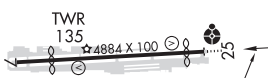
MISSED APPROACH: Climbing left turn to 3000 on heading 210° and LAX VORTAC R-170 to LIMBO INT/LAX 10.4 DME and hold.

ATIS	SOCAL APP CON	HAWTHORNE TOWER*	GND CON
118.4	124.9 269.0	121.1(CTAF) L 257.8	125.1



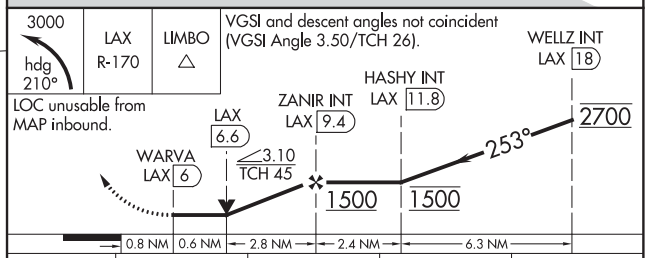
Procedure NA for arrivals at SLI VORTAC on V459-597 southeast bound.

ELEV 66 D TDZE 63



253° 4.2 NM from FAF

REIL Rwy 25
MIRL Rwy 7-25 L



CATEGORY	A	B	C	D
S-25	580-¾ 517 (600-¾)		580-1⅜ 517 (600-1⅜)	
C CIRCLING	620-1 554 (600-1)		780-2 714 (800-2)	780-2¼ 714 (800-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HEBER, UTAH | AL-6969 (FAA) | 20282

RNAV (GPS)-A
HEBER VALLEY (HCR)

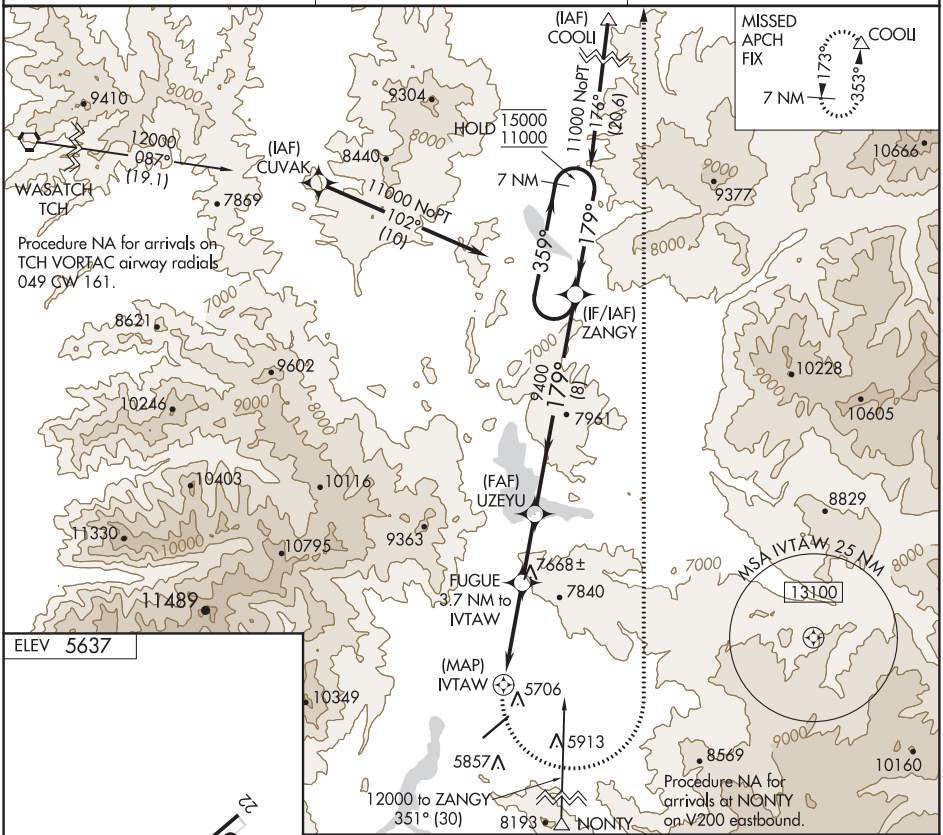
APP CRS	Rwy ldg	N/A
179°	TDZE	N/A
	Apt Elev	5637

RNP APCH.

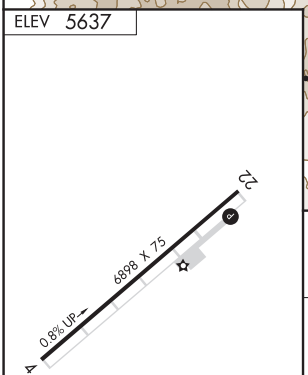
Circling NA south of Rwy 4-22.
Circling Rwy 4 NA at night.

MISSED APPROACH: (Do not exceed 210K until turn completion)
Climbing left turn to 12000 direct COOLI and hold.

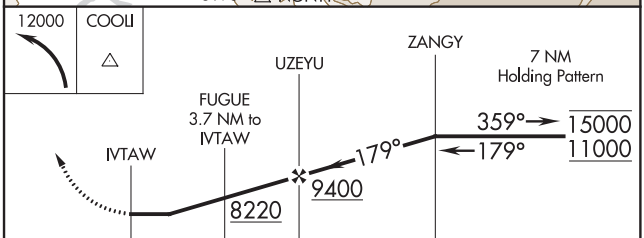
AWOS-3PT	SALT LAKE CITY CENTER	UNICOM
124.825	119.95 377.15	122.8 (CTAF)



ELEV 5637



MIRL Rwy 4-22



CATEGORY	A	B	C	D
C CIRCLING	8020-1½ 2383 (2400-1½)		8020-3 2383 (2400-3)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	4001
173°	TDZE	1584
	Apt Elev	1587

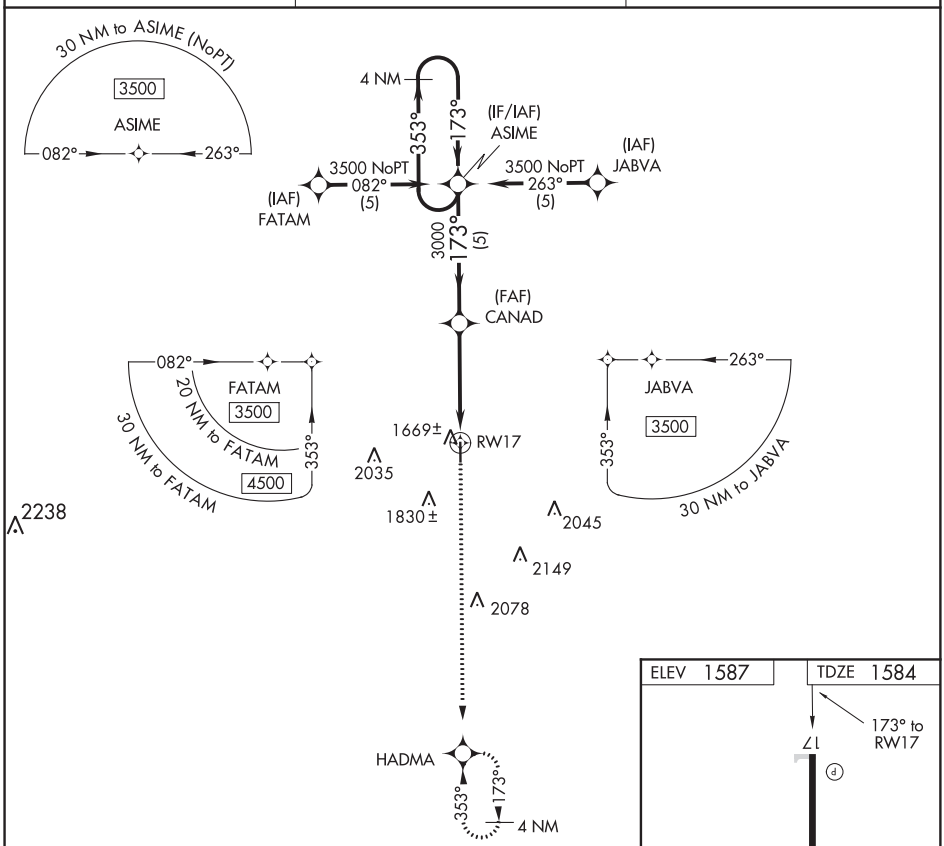
RNAV (GPS) RWY 17
HINTON MUNI (208)

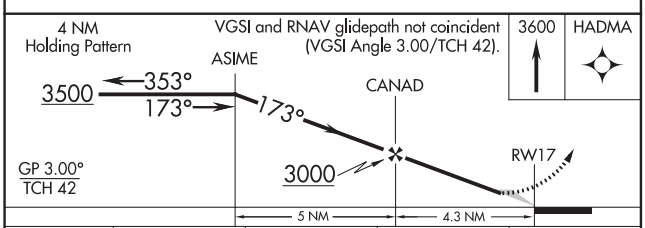
T
A NA

Baro-VNAV NA. DME/DME RNP-0.3 NA.
Use Weatherford altimeter setting; when not received procedure NA.

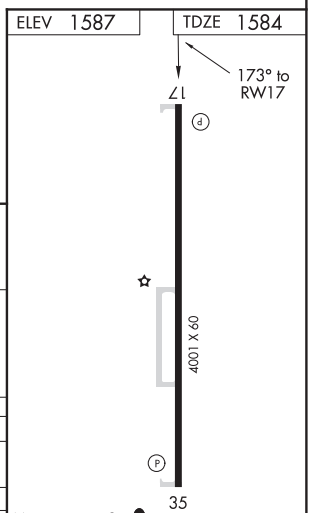
MISSED APPROACH: Climb to 3600 direct HADMA and hold.

OJA AWOS-3	FORT WORTH CENTER	UNICOM
118.575	128.4 269.37	123.05 (CTAF) L





CATEGORY	A	B	C	D
LNAV/VNAV DA	2000-1½ 416 (500-1½)		NA	
LNAV MDA	2000-1 416 (500-1)		NA	
C CIRCLING	2160-1 573 (600-1)		NA	



HONESDALE, PENNSYLVANIA AL-5895 (FAA) 20282

RNAV (GPS)-B
CHERRY RIDGE (N30)

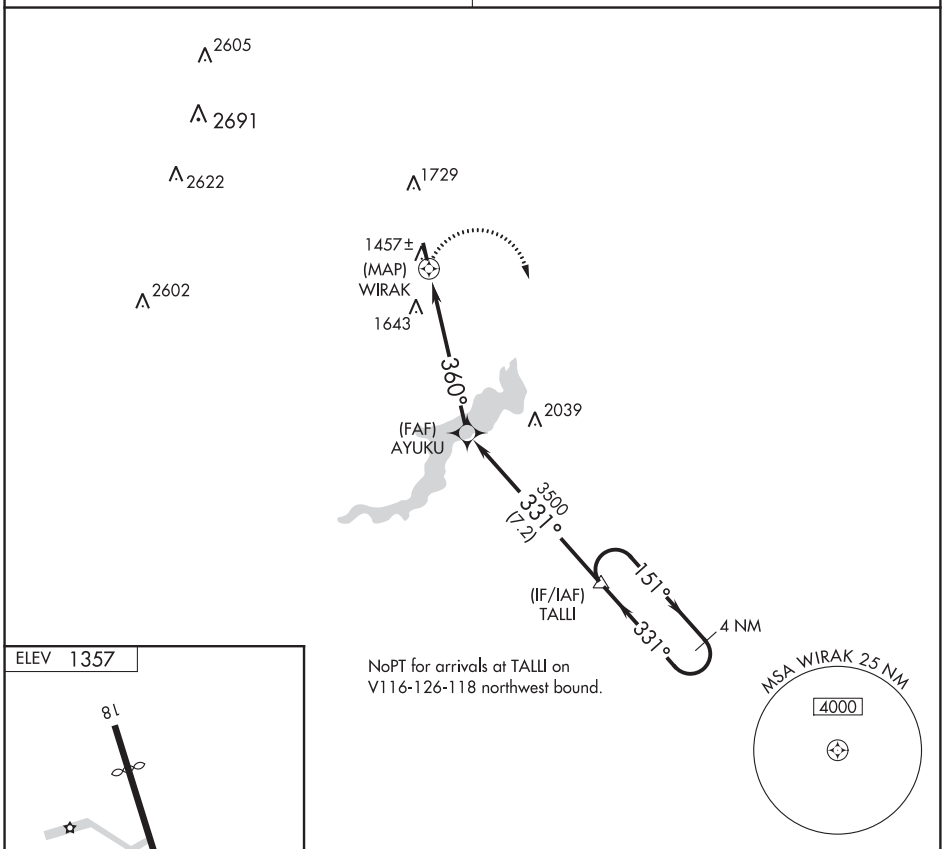
APP CRS	Rwy ldg	N/A
360°	TDZE	N/A
	Apt Elev	1357

T NA

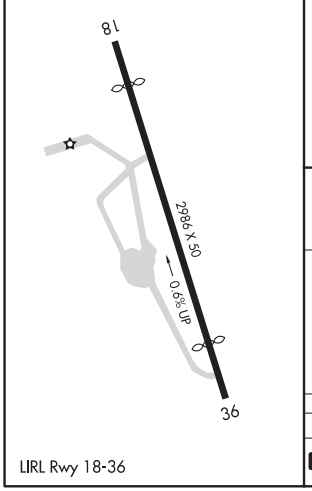
DME/DME RNP-0.3 NA. Procedure NA at night. Obtain local altimeter setting on CTAF; when not received, use Wilkes-Barre/Scranton Intl altimeter setting, and increase MDA 320 feet and Cat A visibility ¼ mile.

MISSED APPROACH: Climbing right turn to 4000 direct TALLI and hold.

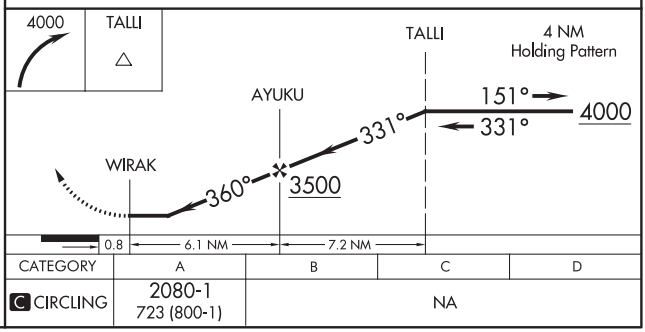
WILKES-BARRE APP CON	UNICOM
120.95 256.7	122.8 (CTAF)



ELEV 1357



LIRL Rwy 18-36



CATEGORY	A	B	C	D
C CIRCLING	2080-1 723 (800-1)	NA		

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

RNAV (GPS) RWY 4
ELLINGTON (EFD)

APP CRS	Rwy ldg	8001
039°	TDZE	30
	Apt Elev	33

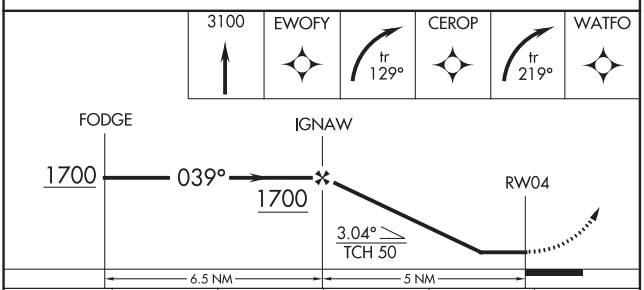
Circling NA west of Rwy 17R-35L.
DME/DME RNP-0.3 NA.
Helicopter visibility reduction below 1 SM NA.

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.

ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8

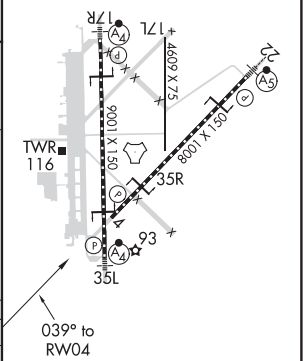
RADAR REQUIRED

EWOFY
213
499
237
RW04
523
190
189
226
(FAF) IGNAW
129° (15.7)
CEROP
1700
039° (6.5)
(IF) FODGE
219° (7.9)
1700
309° (6)
WATFO
316°
136°
9 NM
(IAF) ZITIB
MSA RW04 25 NM
3100
2017
2013



CATEGORY	A	B	C	D	E
LNAV MDA	500-1 470 (500-1)		500-1⅜ 470 (500-1⅜)		
C CIRCLING	500-1 467 (500-1)		580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

ELEV 33 | D | TDZE 30



HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HOUSTON, TEXAS

AL-197 (FAA)

20282

RNAV (GPS) RWY 17R
ELLINGTON (EFD)

WAAS CH 70625 W17A	APP CRS 174°	Rwy ldg 9001 TDZE 32 Apt Elev 33

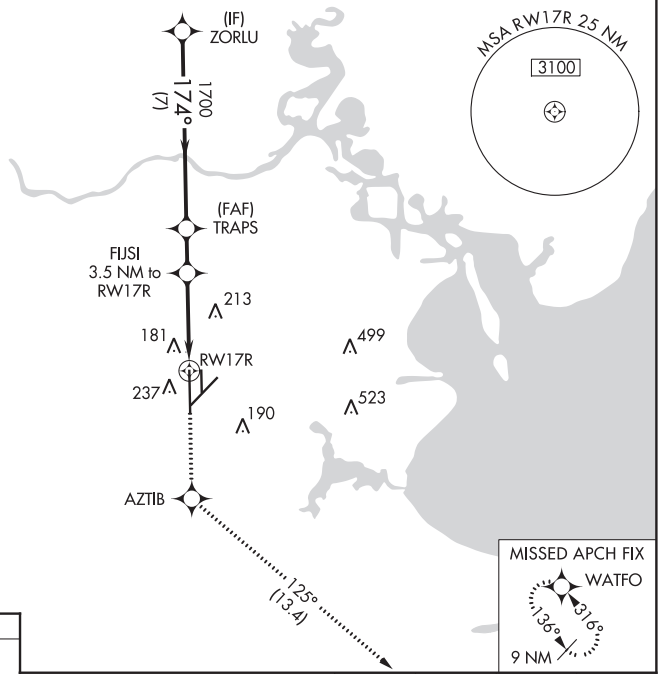
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 43°C (109°F). DME/DME RNP-0.3 NA. Inop table does not apply to LPV DA. For inop MALSF, increase LNAV/VNAV all Cats and LNAV Cats A and B visibility to RVR 5500 and Cats C/D/E visibility to 1⅜ miles. Circling NA west of Rwy 17R-35L.

MALSF

MISSED APPROACH: Climb to 3100 direct AZTIB and on track 125° to WATFO and hold.

ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8

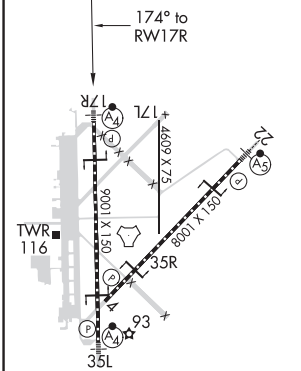
RADAR REQUIRED



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

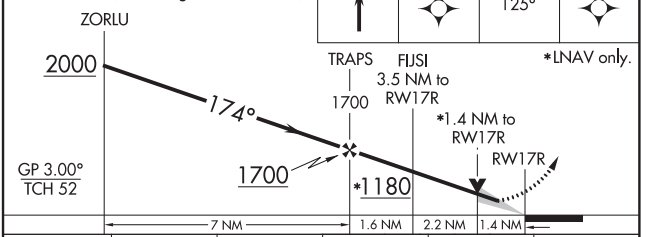
ELEV 33 | D | TDZE 32



HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 48).

3100	AZTIB	tr 125°	WATFO



*LNAV only.

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)		
C 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 17R

WAAS CH 97629 W35A	APP CRS 354°	Rwy ldg 9001 TDZE 28 Apt Elev 33

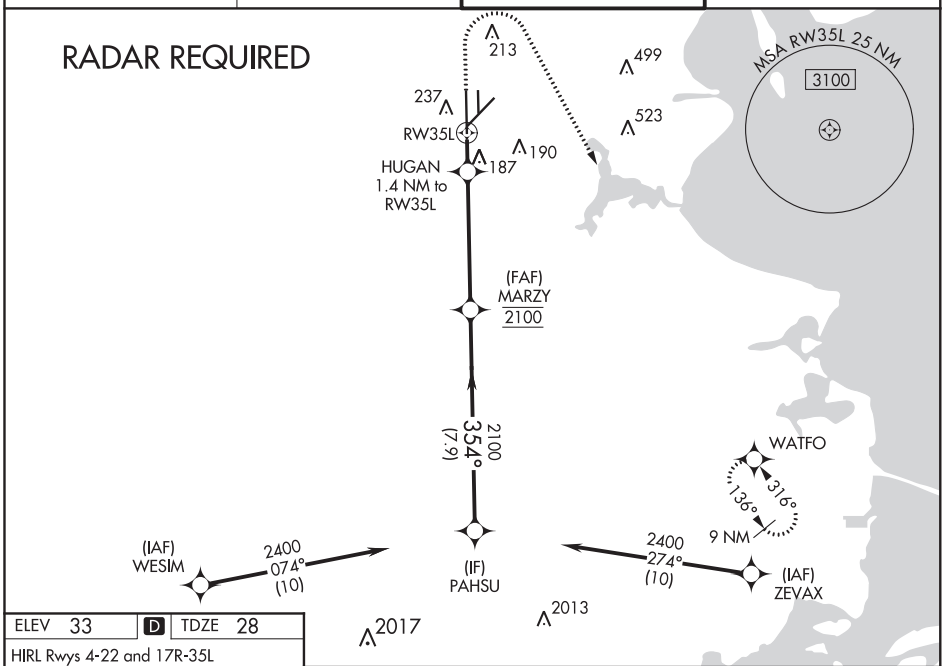
RNAV (GPS) RWY 35L
ELLINGTON (EFD)

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. For inop MALSF, increase LNAV/VNAV all Cats visibility to 1⅝ mile, and LNAV Cats A and B visibility to 1 mile and Cats C, D and E visibility to 1⅛ mile. Inop table does not apply to LPV.

MALSF

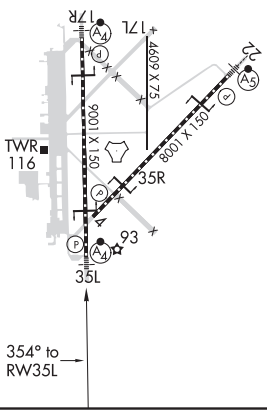
MISSED APPROACH: Climb to 1500 then climbing right turn to 3100 direct WATFO and hold.

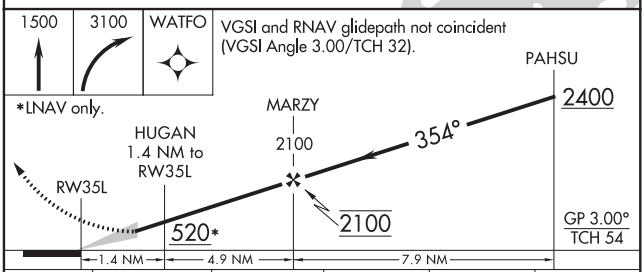
ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8



ELEV 33 | D | TDZE 28

HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L





CATEGORY	A	B	C	D	E
LPV DA	228/40 200 (200-¾)				
LNAV/VNAV DA	499/60 471 (500-1¼)				
LNAV MDA	440/40 412 (500-¾)		440/50 412 (500-1)		
C CIRCLING	500-1 468 (500-1)		580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HOUSTON, TEXAS

AL-197 (FAA)

20282

TACAN RWY 4

ELLINGTON (EFD)

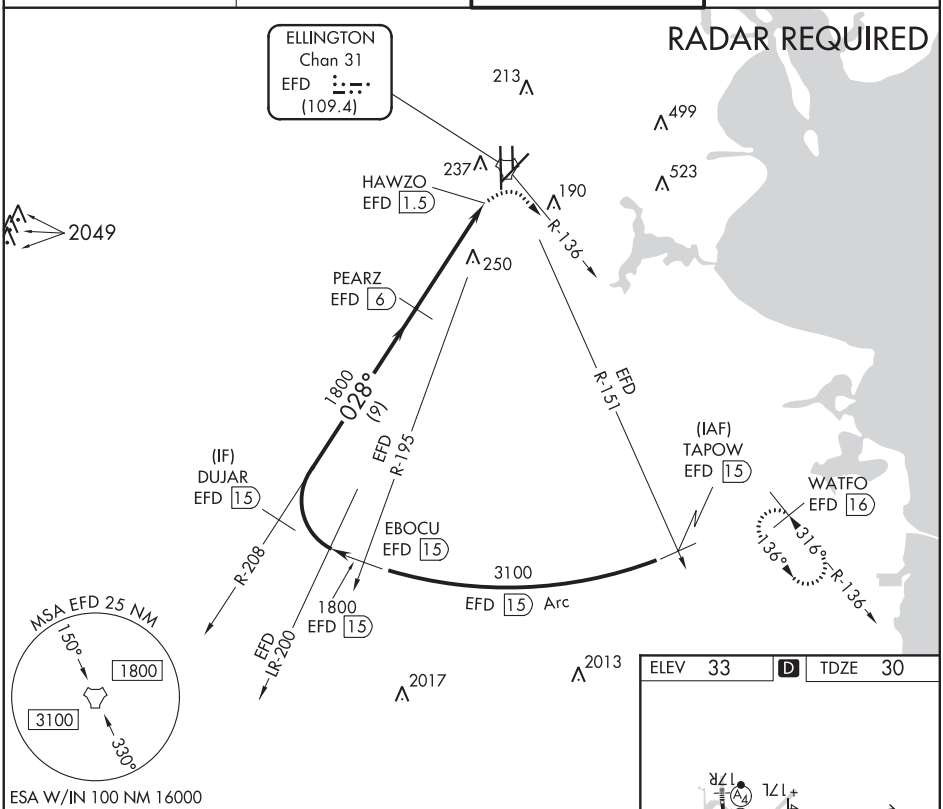
TACAN EFD Chan 31 (109.4)	APP CRS 028°	Rwy ldg 8001 TDZE 30 Apt Elev 33

T A NA

Circling NA west of Rwy 17R-35L.
Helicopter visibility reduction below 1 SM NA.

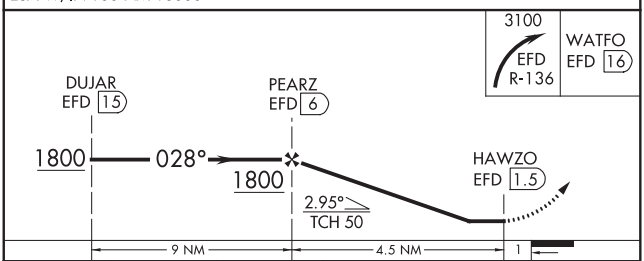
MISSED APPROACH: Climbing right turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.

ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8



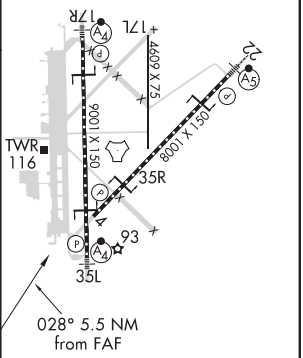
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



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)

ELEV 33 | D | TDZE 30



HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L

TACAN RWY 17R
ELLINGTON (EFD)

TACAN EFD Chan 31 (109.4)	APP CRS 163°	Rwy ldg 9001 TDZE 32 Apt Elev 33

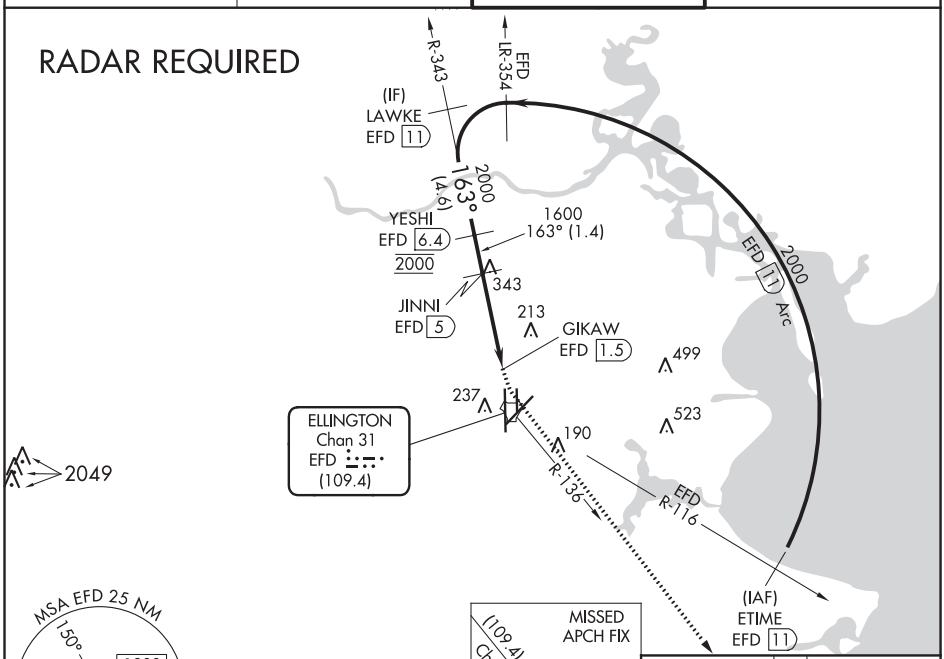
When ALS inop, increase visibility Cat A/B to RVR 5500 and Cat C/D/E visibility to 1⅜ miles. Circling NA west of Rwy 17R-35L.

NA

MALSF

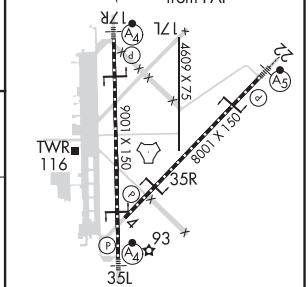
MISSED APPROACH: Climbing left turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.

ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8



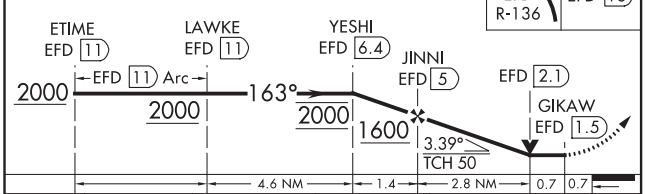
ELEV 33	D	TDZE 32

163° 4.2 NM from FAF



VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 48).

3100 EFD R-136 | WATFO EFD 16



CATEGORY	A	B	C	D	E
S-17R	500/40 468 (500-¾)		500/60 468 (500-1¼)		
C CIRCLING	500-1 467 (500-1)		580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HOUSTON, TEXAS

AL-197 (FAA)

20282

TACAN RWY 22

ELLINGTON (EFD)

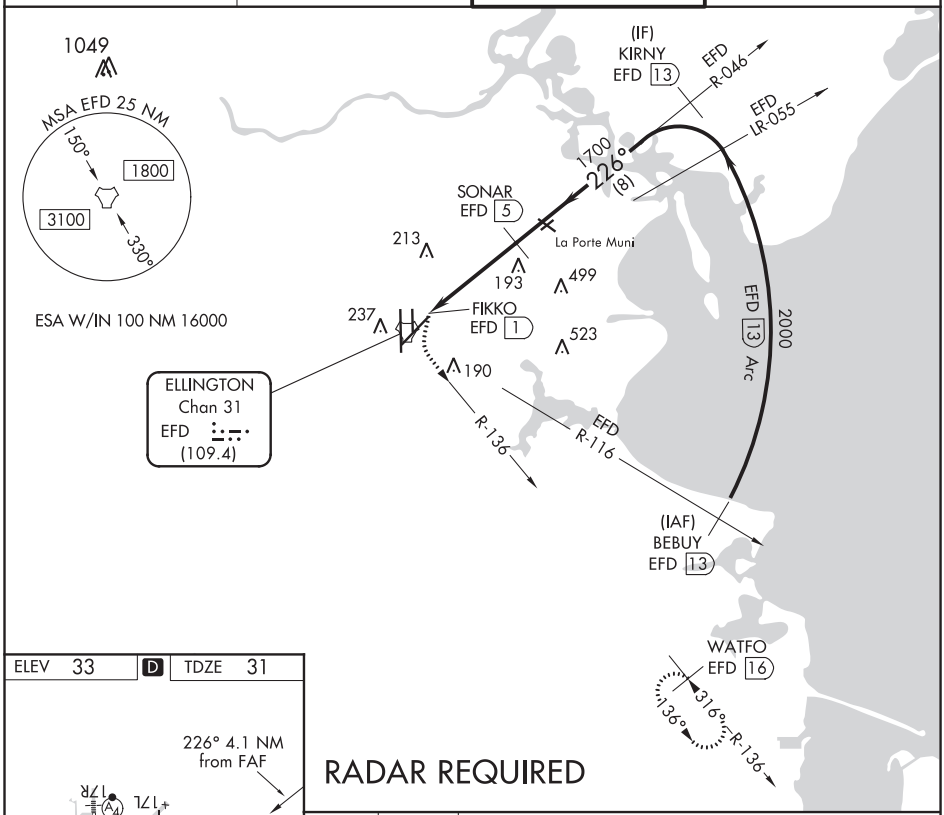
TACAN EFD Chan 31 (109.4)	APP CRS 226°	Rwy ldg 8001 TDZE 31 Apt Elev 33

T NA 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 1⅜ miles.

MALSR

MISSED APPROACH: Climbing left turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.

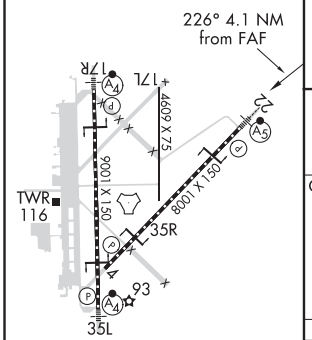
ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 33 | D | TDZE 31



HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L

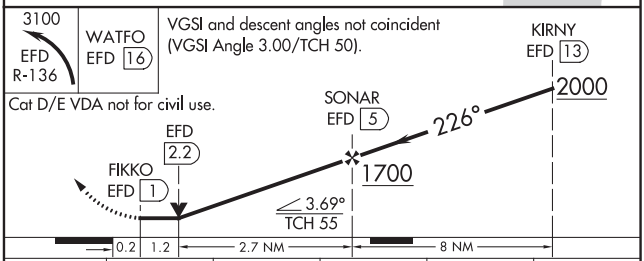
RADAR REQUIRED

3100
EFD
R-136

WATFO
EFD 16

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 50).

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)	
C 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

TACAN RWY 35L
ELLINGTON (EFD)

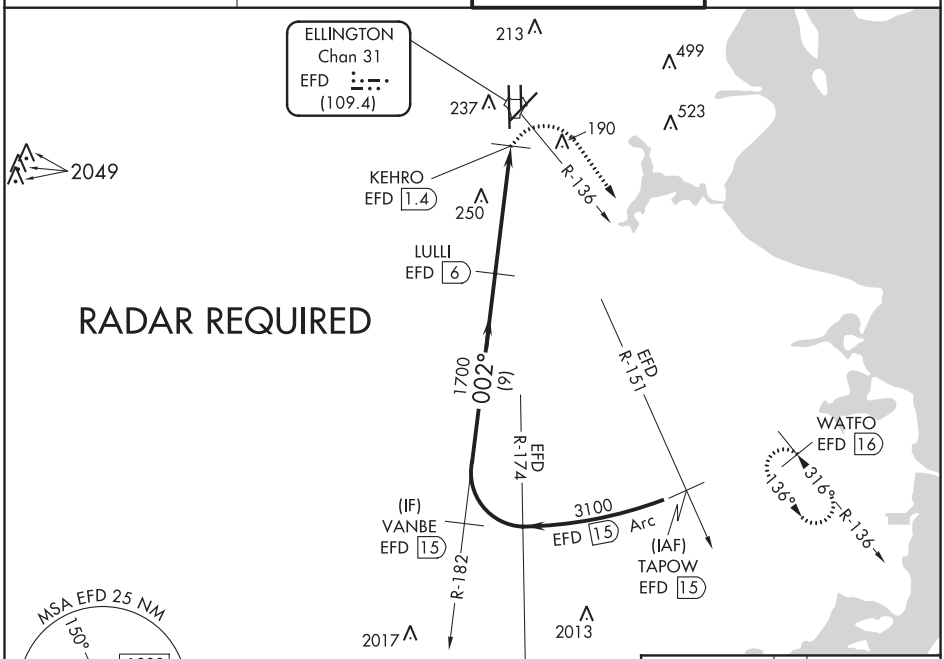
TACAN EFD Chan 31 (109.4)	APP CRS 002°	Rwy ldg 9001 TDZE 28 Apt Elev 33

T A 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 1⅜ miles.

MALSF

MISSED APPROACH: Climbing right turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold.

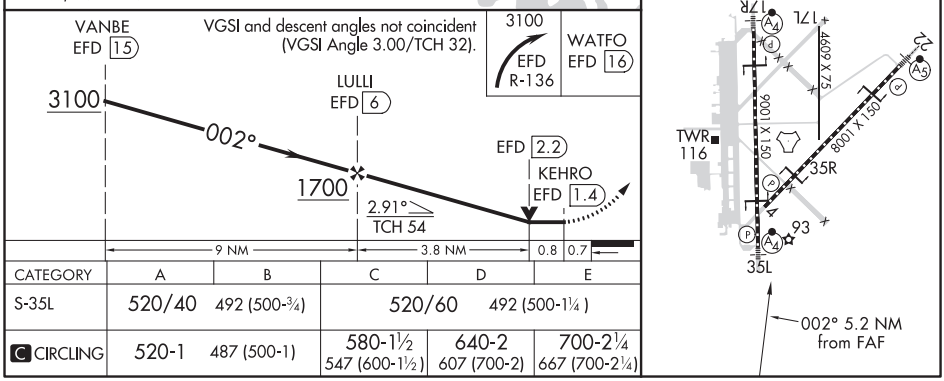
ATIS	HOUSTON APP CON	ELLINGTON TOWER	GND CON
135.575 269.9	134.45 284.0	126.05 253.5	121.6 275.8



ESA W/IN 100 NM 16000

ELEV 33	D	TDZE 28

HIRL Rwys 4-22 and 17R-35L
TDZ/CL Rwys 17R, 22 and 35L



CATEGORY	A	B	C	D	E
S-35L	520/40	492 (500-¾)	520/60	492 (500-1¼)	
C CIRCLING	520-1	487 (500-1)	580-1½ 547 (600-1½)	640-2 607 (700-2)	700-2¼ 667 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ILS or LOC RWY 5L
INDIANAPOLIS INTL (IND)

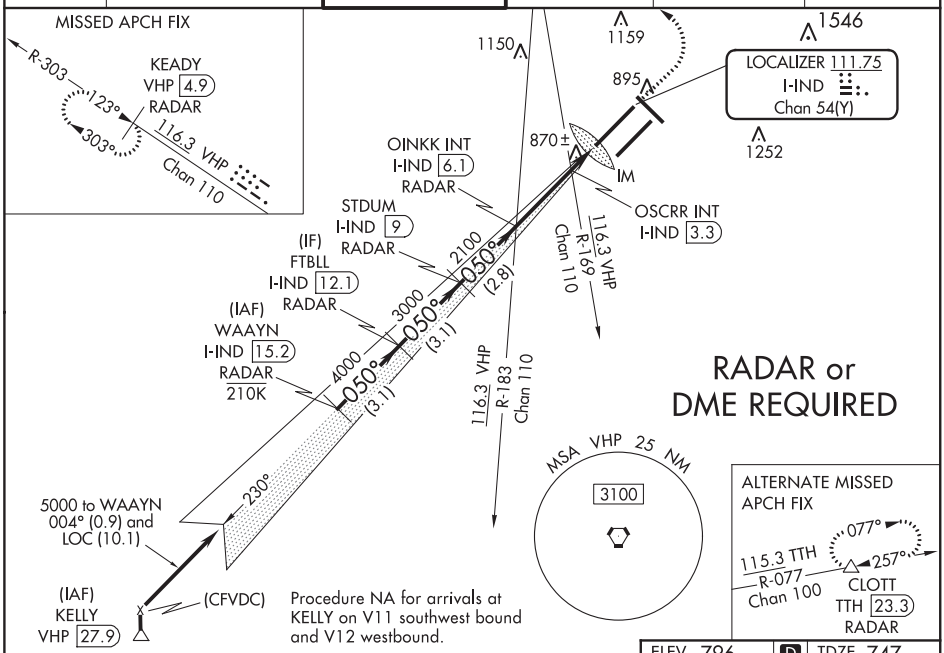
LOC/DME I-IND	APP CRS	Rwy ldg 11200
111.75	050°	TDZE 747
Chan 54 (Y)		Apt Elev 796

T A Simultaneous approach authorized. DME or RADAR required. For inop ALS, increase S-LOC 5L Cat C/D visibility to 1⅜ SM. OSCRR fix minimums: For inop ALS, increase S-LOC 5L Cat C/D visibility to RVR 5500.

ALSF-2 (A)

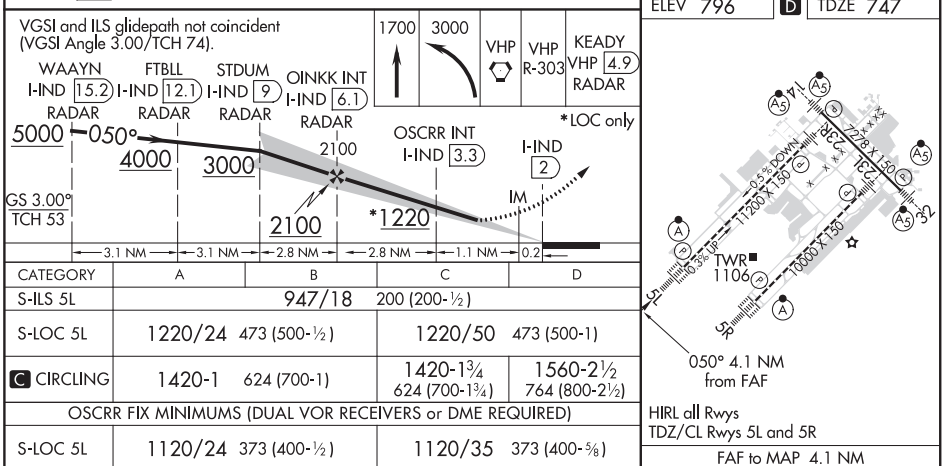
MISSED APPROACH: Climb to 1700 then climbing left turn to 3000 direct VHP VORTAC then on VHP VORTAC R-303 to KEADY/VHP 4.9 DME/RADAR and hold.

D-ATIS	INDIANAPOLIS APP CON	INDY TOWER	GND CON	CLNC DEL	CPDLC
134.25	128.175 317.8	120.9 257.8	121.9	128.75 257.8	



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-ILS 5L	947/18 200 (200-½)			
S-LOC 5L	1220/24 473 (500-½)		1220/50 473 (500-1)	
C CIRCLING	1420-1 624 (700-1)		1420-1¾ 624 (700-1¾)	1560-2½ 764 (800-2½)
OSCRR FIX MINIMUMS (DUAL VOR RECEIVERS or DME REQUIRED)				
S-LOC 5L	1120/24 373 (400-½)		1120/35 373 (400-⅝)	
C CIRCLING	1420-1 624 (700-1)		1420-1¾ 624 (700-1¾)	1560-2½ 764 (800-2½)

HIRL all Rwys
TDZ/CL Rwys 5L and 5R

FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

ILS RWY 5L (SA CAT I)
INDIANAPOLIS INTL (IND)

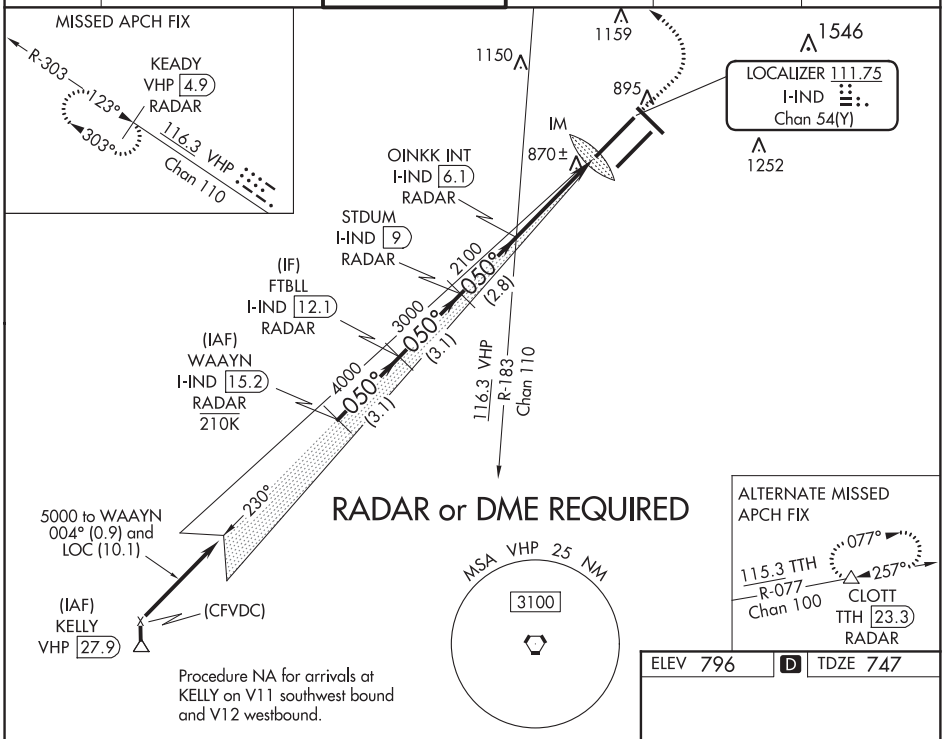
LOC/DME I-IND	APP CRS	Rwy ldg 11200
111.75	050°	TDZE 747
Chan 54 (Y)		Apt Elev 796

Simultaneous approach authorized. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH. DME or RADAR required.

ALSF-2

MISSED APPROACH: Climb to 1700 then climbing left turn to 3000 direct VHP VORTAC then on VHP VORTAC R-303 to KEADY/VHP 4.9 DME/RADAR and hold.

D-ATIS	INDIANAPOLIS APP CON	INDY TOWER	GND CON	CLNC DEL	CPDLC
134.25	128.175 317.8	120.9 257.8	121.9	128.75 257.8	

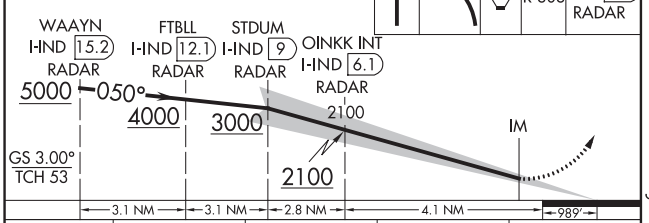


Procedure NA for arrivals at KELLY on V11 southwest bound and V12 westbound.

ELEV 796	D	TDZE 747

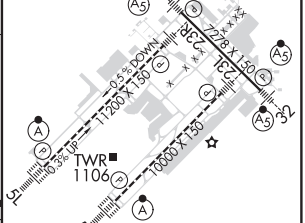
VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 74).

1700	3000	VHP	VHP R-303	KEADY VHP 4.9 RADAR



CATEGORY	A	B	C	D
S-ILS 5L	RA 178/14 150 DA 897			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



HIRL all Rwys
TDZ/CL Rwys 5L and 5R

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

INDIANAPOLIS, INDIANA AL-203 (FAA) 20282

ILS RWY 5L (CAT II & III)
INDIANAPOLIS INTL (IND)

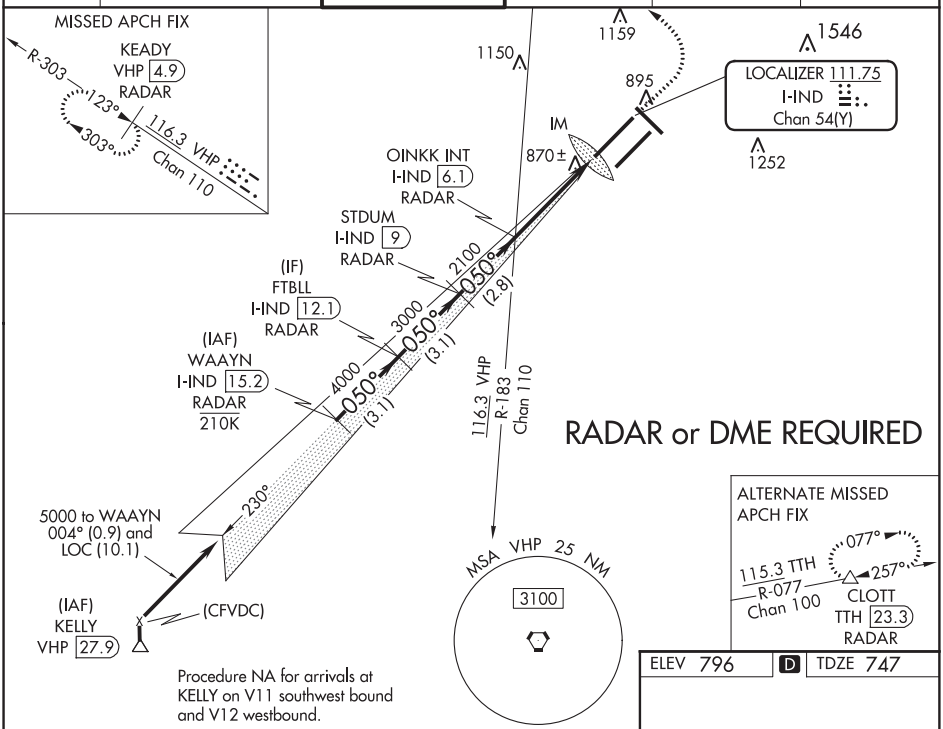
LOC/DME I-IND	APP CRS	Rwy ldg 11200
111.75	050°	TDZE 747
Chan 54 (Y)		Apt Elev 796

Simultaneous approach authorized.
CAT III: Localizer not suitable for electronic rollout guidance. DME or RADAR required.

ALSF-2

MISSED APPROACH: Climb to 1700 then climbing left turn to 3000 direct VHP VORTAC then on VHP VORTAC R-303 to KEADY/VHP 4.9 DME/RADAR and hold.

D-ATIS	INDIANAPOLIS APP CON	INDY TOWER	GND CON	CLNC DEL	CPDLC
134.25	128.175 317.8	120.9 257.8	121.9	128.75 257.8	

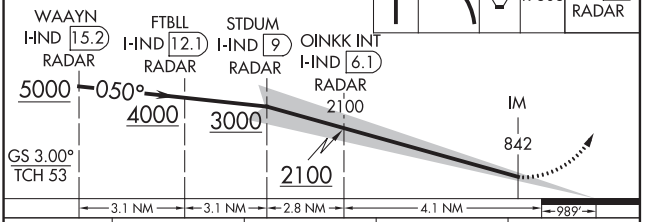


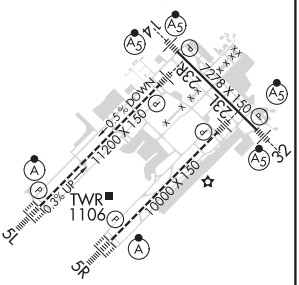
Procedure NA for arrivals at KELLY on V11 southwest bound and V12 westbound.

ELEV 796	D	TDZE 747

VGSI and ILS glidepath not coincident
(VGSI Angle 3.00/TCH 74).

1700	3000	VHP	VHP R-303	KEADY VHP 4.9 RADAR





CATEGORY	A	B	C	D
S-ILS 5L	CAT II RA 113/12 100 DA 847			
S-ILS 5L	CAT III RVR 07			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL all Rwys
TDZ/CL Rwys 5L and 5R

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WAAS CH 90243 W17A	APP CRS 172°	Rwy ldg 5200 TDZE 3324 Apt Elev 3325

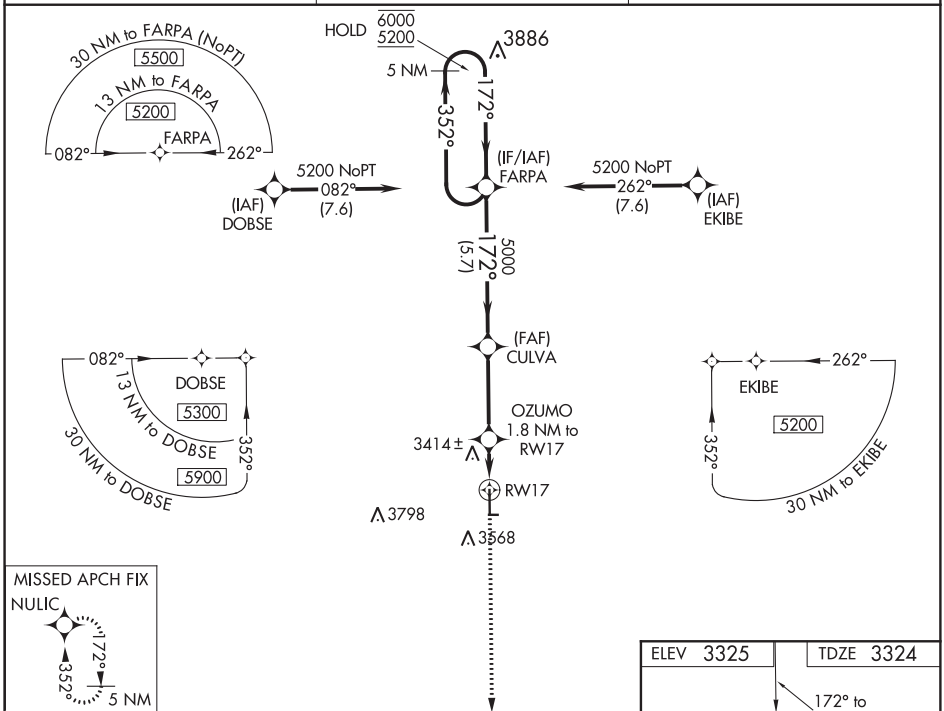
RNAV (GPS) RWY 17
STANTON COUNTY MUNI (JHN)

RNP APCH.

Circling Rwy 8, 26 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C or above 54°C.

MISSED APPROACH: Climb to 5200 direct NULIC and hold.

AWOS-3P	KANSAS CITY CENTER	UNICOM
124.175	125.2 269.4	122.8 (CTAF) L

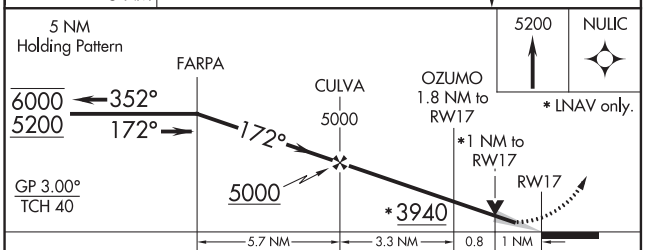


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

MISSED APCH FIX
NULIC
172°
352°
5 NM

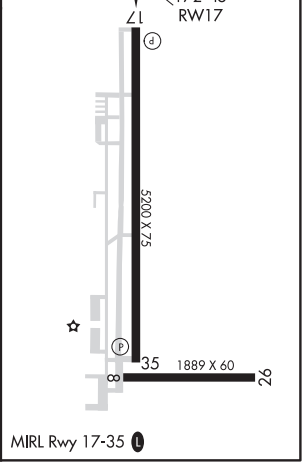
5 NM
Holding Pattern



GP 3.00°
TCH 40

CATEGORY	A	B	C	D
LPV DA	3524-1	200 (200-1)		
LNAV/VNAV DA	3574-1	250 (300-1)		
LNAV MDA	3680-1	356 (400-1)		
C CIRCLING	3880-1 555 (600-1)		4040-2 715 (800-2)	4040-2¼ 715 (800-2¼)

ELEV 3325 TDZE 3324



MIRL Rwy 17-35 L

JOHNSON, KANSAS | AL-6590 (FAA) | 20282

WAAS CH 50243 W35A	APP CRS 352°	Rwy ldg 5200 TDZE 3325 Apt Elev 3325

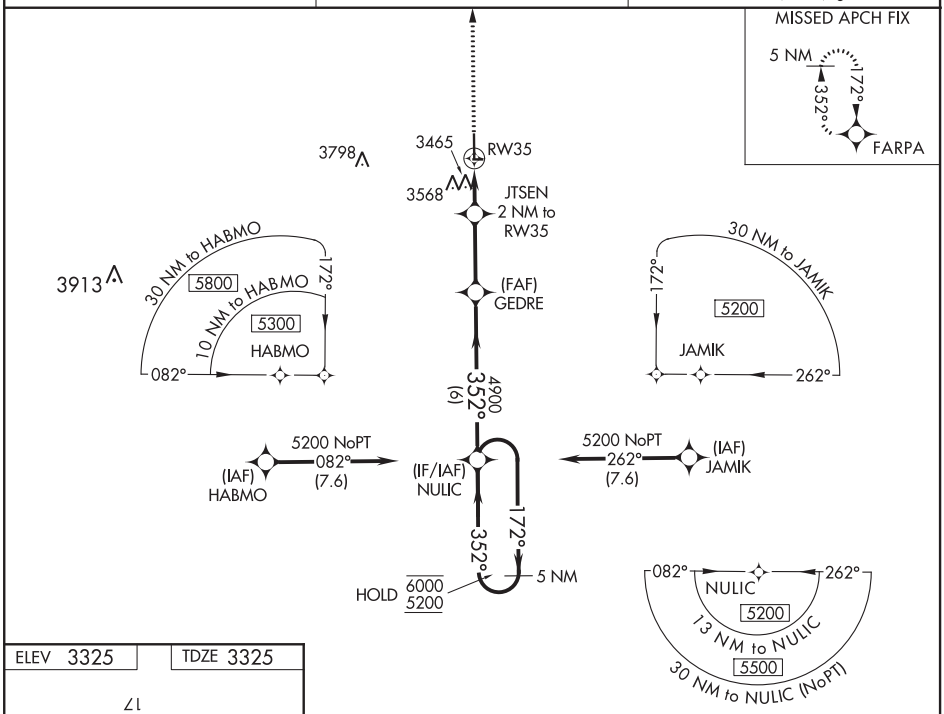
RNAV (GPS) RWY 35
STANTON COUNTY MUNI (JHN)

RNP APCH.

Circling Rwy 8, 26 NA at night. Rwy 35 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C or above 54°C.

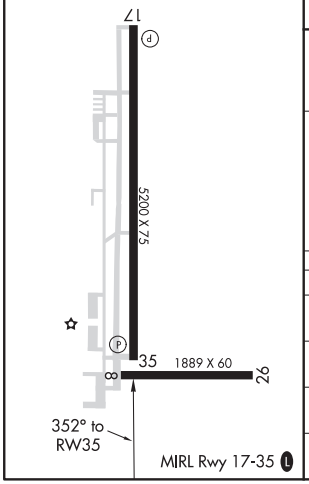
MISSED APPROACH: Climb to 5200 direct FARPA and hold.

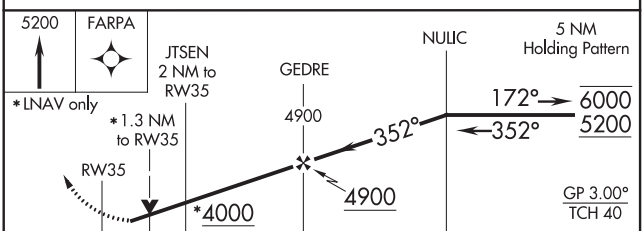
AWOS-3P	KANSAS CITY CENTER	UNICOM
124.175	125.2 269.4	122.8 (CTAF)



08 OCT 2020 to 05 NOV 2020

ELEV 3325 | TDZE 3325





CATEGORY	A	B	C	D
LPV DA	3575-1 250 (300-1)			
LNAV/VNAV DA	3808-1⅜ 483 (500-1⅜)			
LNAV MDA	3780-1 455 (500-1)		3780-1⅜ 455 (500-1⅜)	
C CIRCLING	3880-1 555 (600-1)		4040-2 715 (800-2)	4040-2¼ 715 (800-2¼)

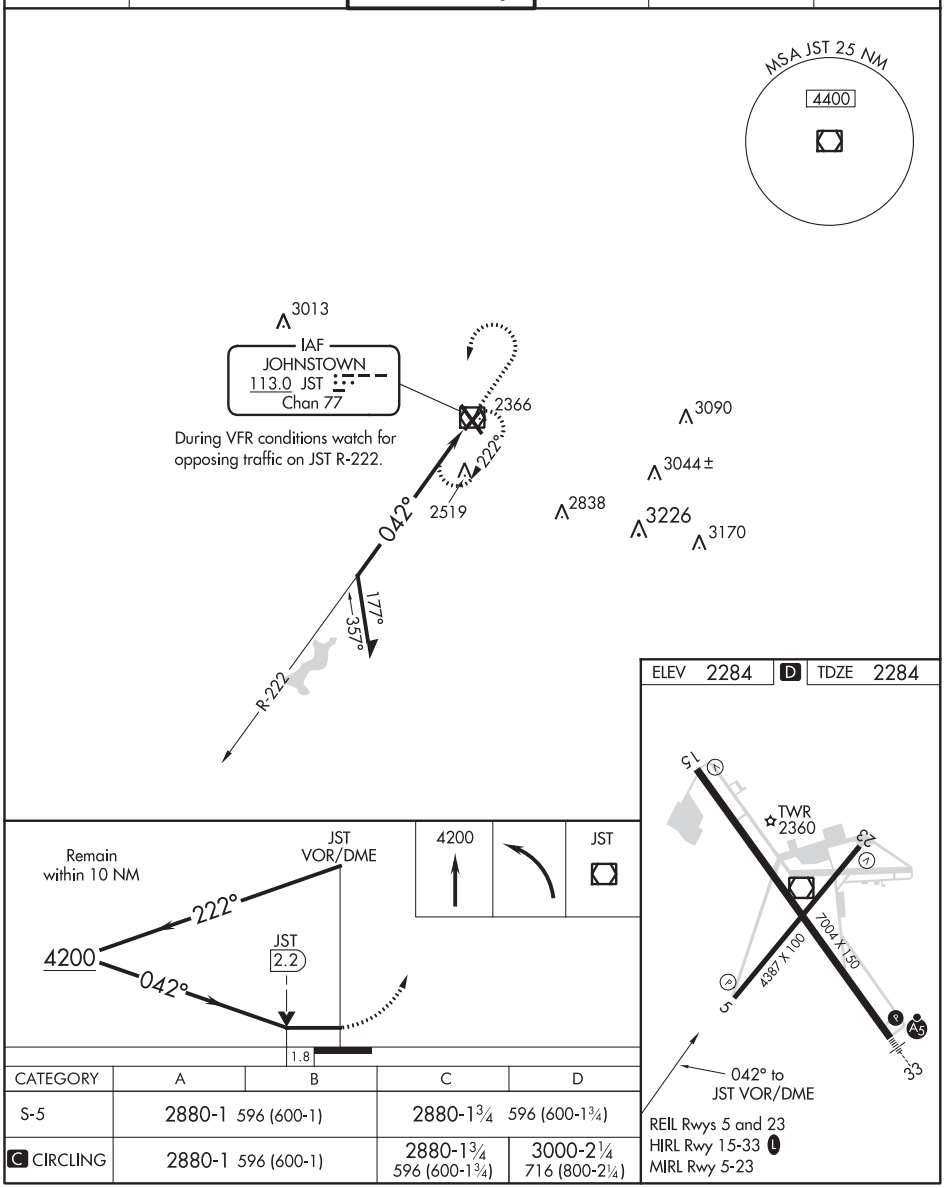
VOR/DME JST 113.0 Chan 77	APP CRS 042°	Rwy ldg 4386 TDZE 2284 Apt Elev 2284

VOR RWY 5
JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY (JST)

Rwy 5 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 4200 then left turn direct JST VOR/DME and hold.

ATIS	JOHNSTOWN APP CON ★	JOHNSTOWN TOWER ★	GND CON	CLNC DEL	UNICOM
118.325	121.2 299.2	125.75 (CTAF) L	121.6	126.85 235.775	122.95



CATEGORY	A	B	C	D
S-5	2880-1 596 (600-1)		2880-1¾ 596 (600-1¾)	
C CIRCLING	2880-1 596 (600-1)		2880-1¾ 596 (600-1¾)	3000-2¼ 716 (800-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

JUNEAU, WISCONSIN

AL-5452 (FAA)

20282

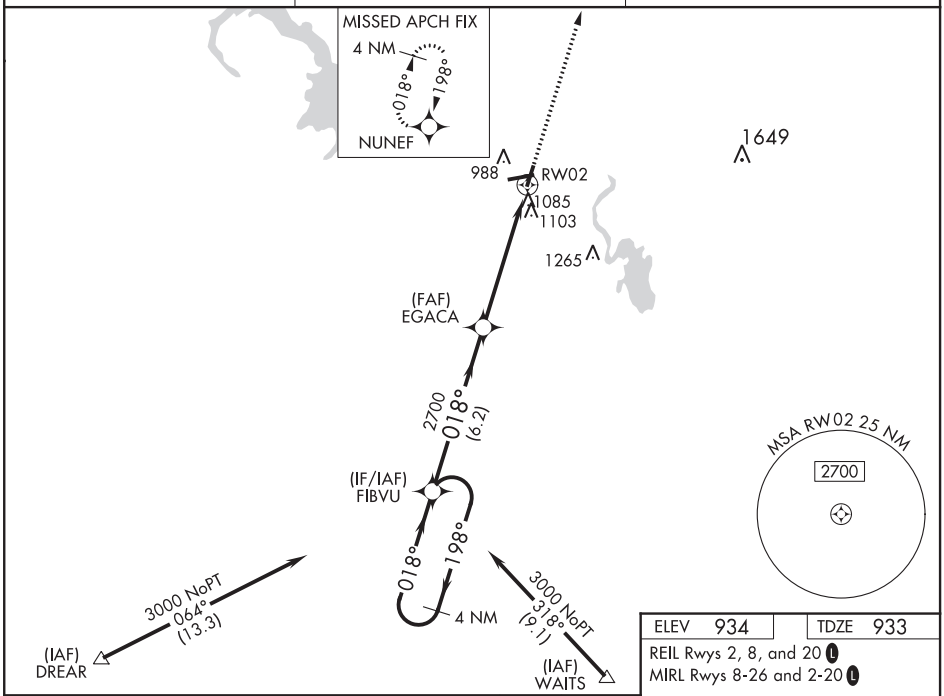
RNAV (GPS) RWY 2
DODGE COUNTY (UNU)

WAAS CH 87107 W02A	APP CRS 018°	Rwy ldg 4028 TDZE 933 Apt Elev 934

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 54° C (130° F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all DA/MDA 100 feet, increase all visibilities ½ mile. VDP and Baro-VNAV NA when using Dane County Rgnl-Truax Field altimeter setting. Visibility reduction by helicopters NA.

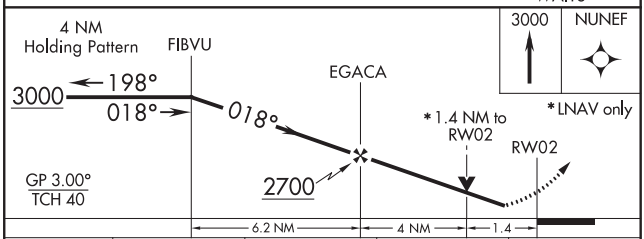
MISSED APPROACH: Climb to 3000 direct NUNEF and hold.

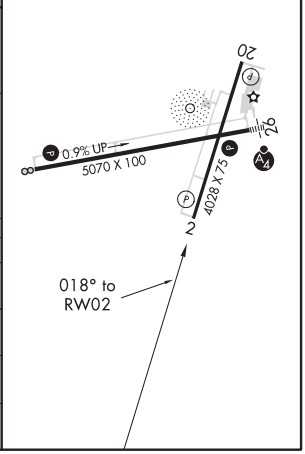
AWOS-3	MADISON APP CON	UNICOM
120.825	119.15 343.7	122.7 (CTAF) L



ELEV 934	TDZE 933

REIL Rwys 2, 8, and 20 L
MIRL Rwys 8-26 and 2-20 L





CATEGORY	A	B	C	D
LPV DA	1189-1 256 (300-1)			NA
LNAV/VNAV DA	1432-1¾ 499 (500-1¾)			NA
LNAV MDA	1400-1 467 (500-1)		1400-1¼ 467 (500-1¼)	NA
C CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

JUNEAU, WISCONSIN
Amdt 1A 08OCT20

43°26'N-88°42'W

DODGE COUNTY (UNU)
RNAV (GPS) RWY 2

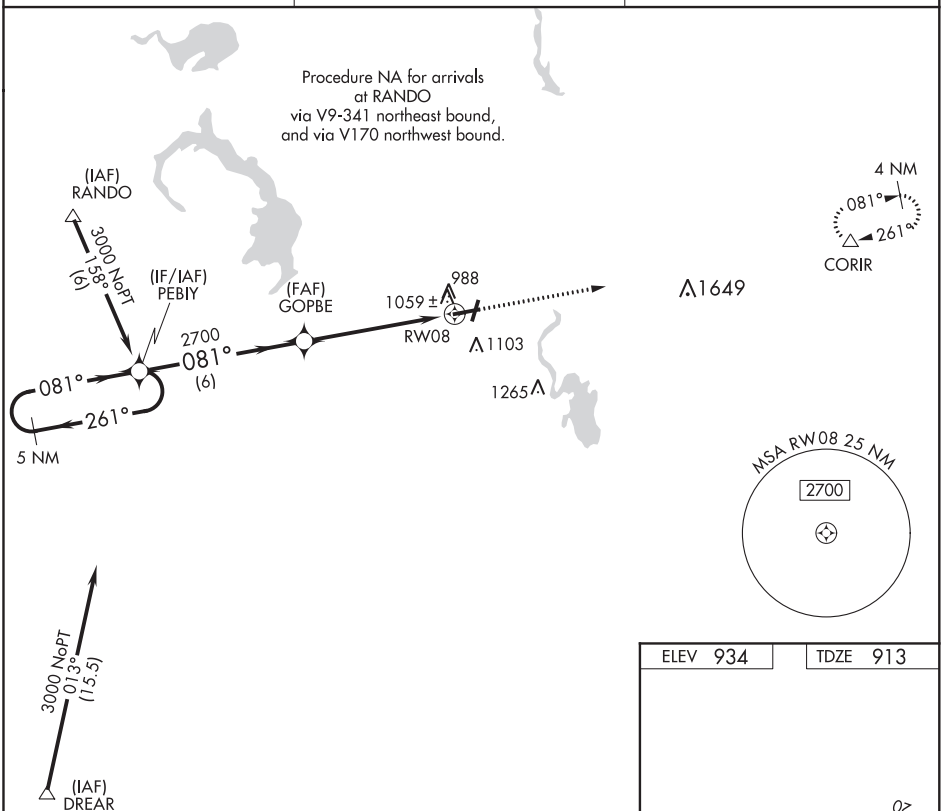
RNAV (GPS) RWY 8
DODGE COUNTY(UNU)

APP CRS	Rwy ldg	5070
081°	TDZE	913
	Apt Elev	934

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet, and increase Circling Cat C visibility ¼ SM. VDP NA when using Dane County Rgnl-Truax Field altimeter setting.

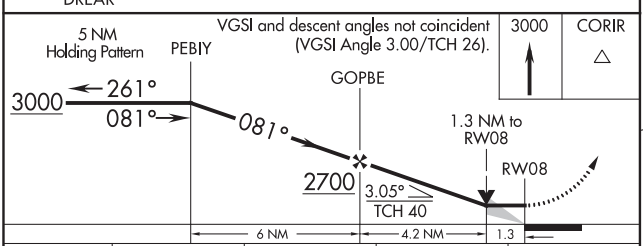
MISSED APPROACH: Climb to 3000 direct CORIR and hold.

AWOS-3	MADISON APP CON	UNICOM
120.825	119.15 343.7	122.7 (CTAF) L



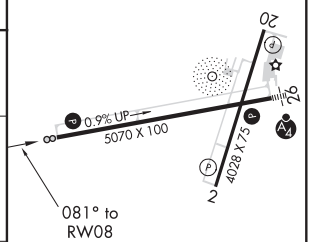
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	1320-1	407 (400-1)	1320-1¼ 407 (400-1¼)	NA
C CIRCLING	1440-1	506 (600-1)	1440-1½ 506 (600-1½)	NA

ELEV 934	TDZE 913



REIL Rwys 2, 8, and 20 L
MIRL Rwys 8-26 and 2-20 L

JUNEAU, WISCONSIN

AL-5452 (FAA)

20282

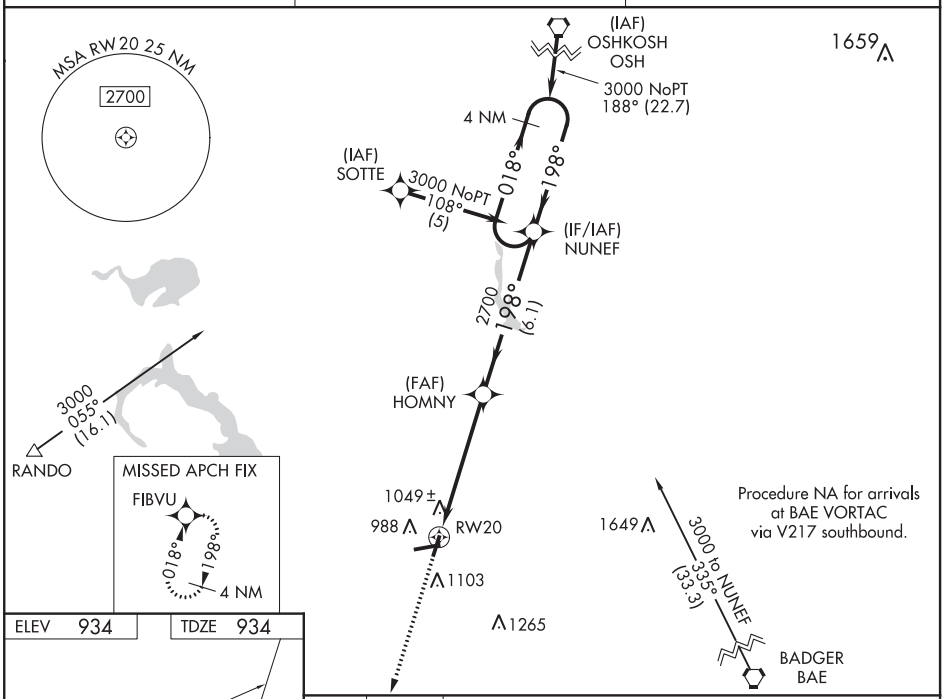
RNAV (GPS) RWY 20
DODGE COUNTY (UNU)

WAAS CH 61307 W20A	APP CRS 198°	Rwy ldg 4028 TDZE 934 Apt Elev 934

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 54° C (130° F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all DA/MDA 100 feet, increase visibilities ¼ mile. Baro-VNAV NA when using Dane County Rgnl-Truax Field altimeter setting. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct FIBVU and hold.

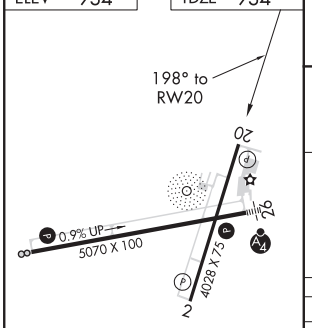
AWOS-3	MADISON APP CON	UNICOM
120.825	119.15 343.7	122.7 (CTAF) L



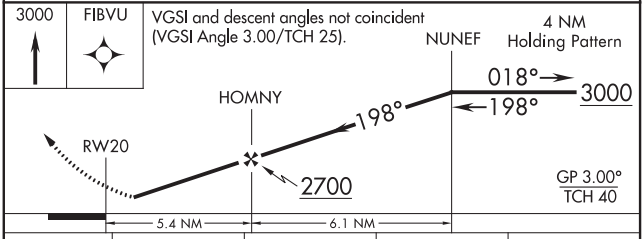
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 934	TDZE 934



REIL Rwys 2, 8, and 20 L
MIRL Rwys 8-26 and 2-20 L



CATEGORY	A	B	C	D
LPV DA	1214-1 280 (300-1)			NA
LNAV/VNAV DA	1350-1½ 416 (500-1½)			NA
LNAV MDA	1300-1 366 (400-1)			NA
C CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

JUNEAU, WISCONSIN
Amdt 1A 08OCT20

43°26'N-88°42'W

DODGE COUNTY (UNU)
RNAV (GPS) RWY 20

APP CRS	Rwy ldg	5070
261°	TDZE	934
	Apt Elev	934

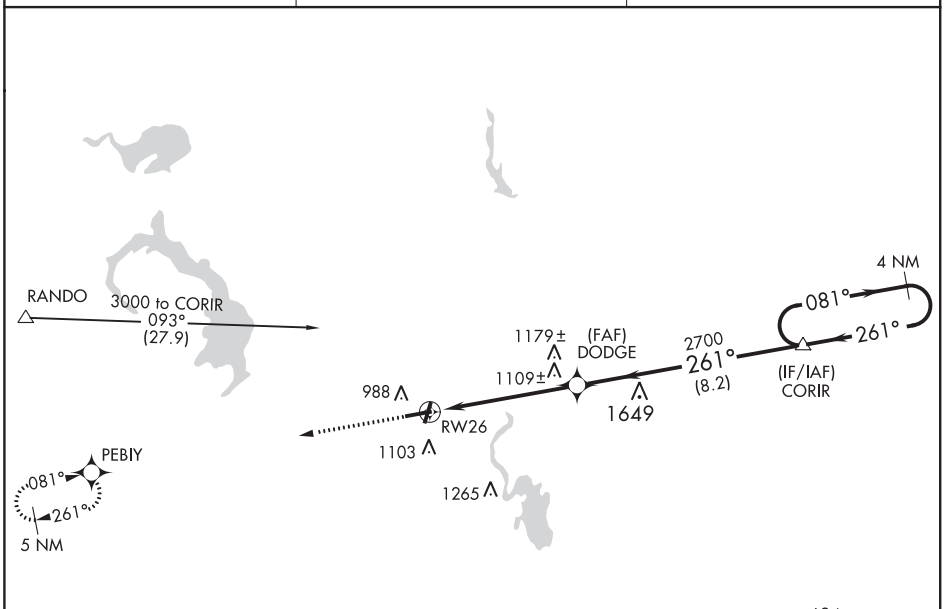
RNAV (GPS) RWY 26
DODGE COUNTY(UNU)

When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet, and increase Circling Cat C visibility ¼ SM. DME/DME RNP-0.3 NA.Visibility reduction by helicopters NA. Inoperative table does not apply.

MALSF

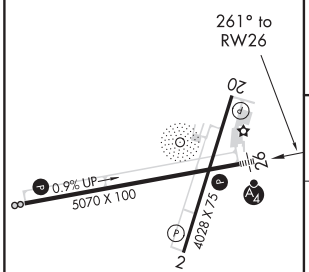
MISSED APPROACH: Climb to 3000 direct PEBIY and hold.

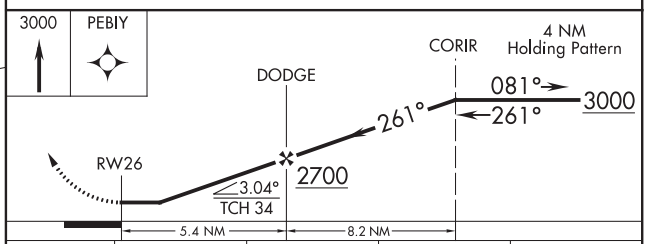
AWOS-3	MADISON APP CON	UNICOM
120.825	119.15 343.7	122.7 (CTAF) L



08 OCT 2020 to 05 NOV 2020

ELEV 934 | TDZE 934





CATEGORY	A	B	C	D
LNAV MDA	1360-1 426 (500-1)		1360-1¼ 426 (500-1¼)	NA
C CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

REIL Rwys 2, 8, and 20 L
MIRL Rwys 8-26 and 2-20 L

JUNEAU, WISCONSIN

AL-5452 (FAA)

20282

LOC RWY 26

DODGE COUNTY (UNU)

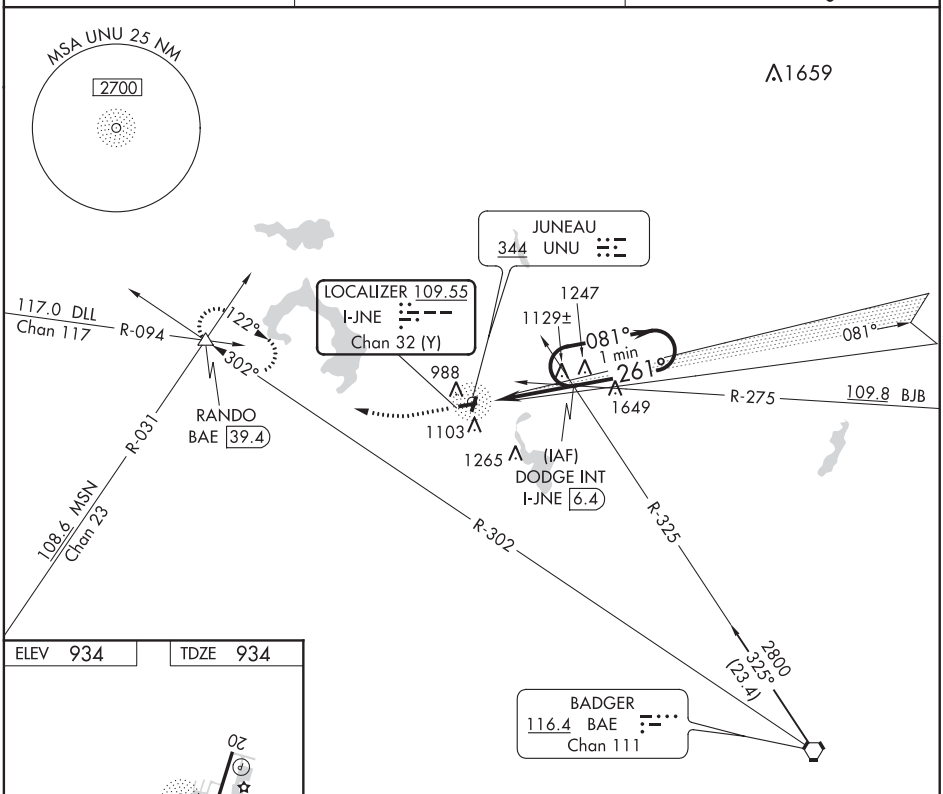
LOC/DME I-JNE	APP CRS	Rwy ldg	5070
109.55	261°	TDZE	934
Chan 32 (Y)		Apt Elev	934

When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet, and increase Circling Cat C visibility ¼ SM. Inoperative table does not apply. Visibility reduction by helicopters NA.

MALSF

MISSED APPROACH: Climb to 2800 then climbing right turn to 3000 via BAE VORTAC R-302 to RANDO Int/BAE 39.4 DME and hold.

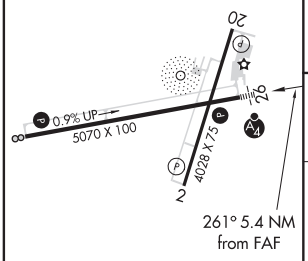
AWOS-3	MADISON APP CON	UNICOM
120.825	119.15 343.7	122.7 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

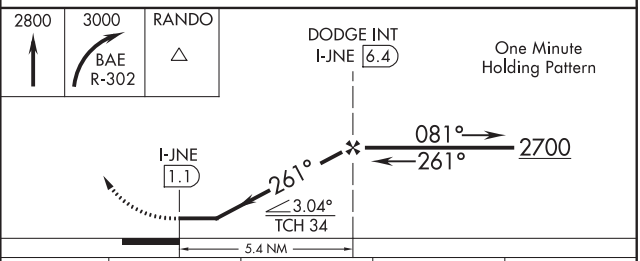
ELEV 934	TDZE 934



REIL Rwys 2, 8, and 20 L

MIRL Rwys 8-26 and 2-20 L

FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48



CATEGORY	A	B	C	D
S-26	1380-1	446 (500-1)	1380-1¼ 446 (500-1¼)	NA
C CIRCLING	1440-1	506 (600-1)	1440-1½ 506 (600-1½)	NA

LOC/DME I-LCI	APP CRS	Rwy ldg 5646
108.5	084°	TDZE 545
Chan 22		Apt Elev 545

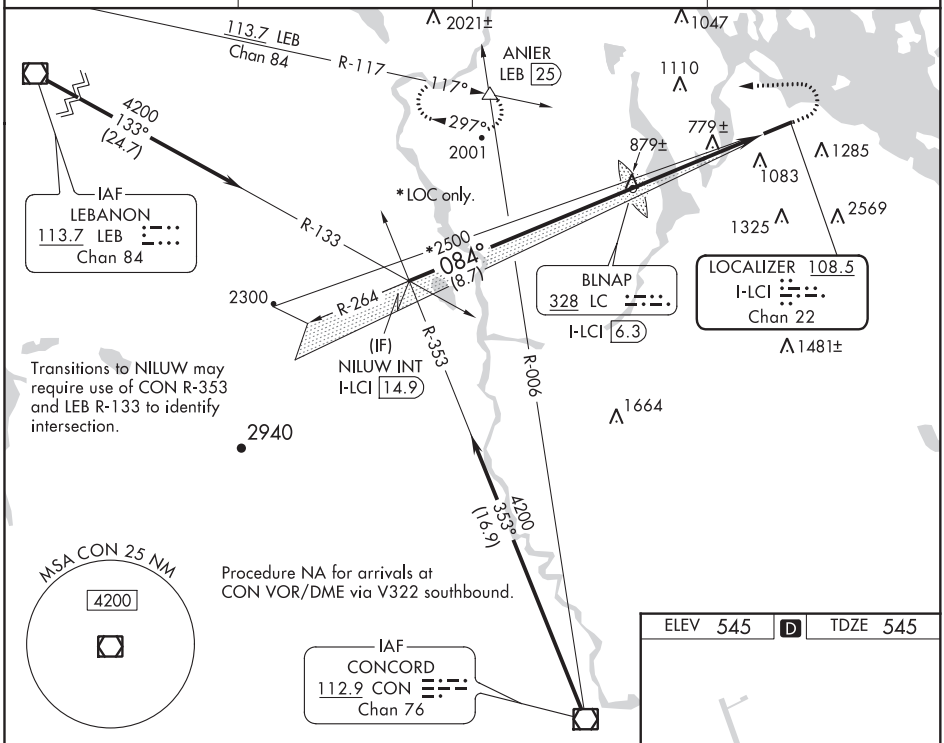
ILS or LOC RWY 8
LACONIA MUNI (LCI)

VDP NA when using Concord altimeter setting. If local altimeter setting not received, use Concord altimeter setting and increase all DA/MDA 80 feet. For inop MALSR increase S-ILS 8 all Cats visibility to 1 mile. Night landing Rwy 26 NA.

MALSR

MISSED APPROACH: Climb to 1200 then climbing left turn to 5000 via heading 264° and LEB VOR/DME R-117 to ANIER INT/LEB 25 DME and hold, continue climb-in-hold to 5000.

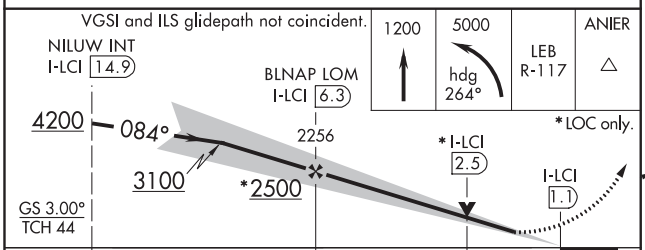
AWOS-3PT	BOSTON APP CON		CLNC DEL	UNICOM
133.525	134.75	254.25	119.85	123.0 (CTAF)



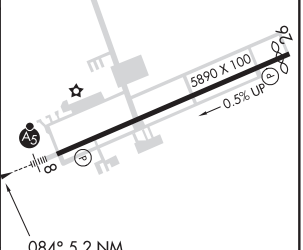
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VGSI and ILS glidepath not coincident.



ELEV 545 D TDZE 545



REIL Rwy 26
HIRL Rwy 8-26

CATEGORY	A	B	C	D
S-ILS 8	825-½ 280 (300-½)			
S-LOC 8	1040-½ 495 (500-½)		1040-¾ 495 (500-¾)	1040-1 495 (500-1)
C CIRCLING	1420-1 875 (900-1)	1600-1½ 1055 (1100-1½)	2160-3 1615 (1700-3)	2860-3 2315 (2400-3)

FAF to MAP 5.2 NM

Knots	60	90	120	150	180
Min:Sec	5:10	3:26	2:35	2:04	1:43

WAAS CH 73003 W08A	APP CRS 083°	Rwy ldg 5646 TDZE 545 Apt Elev 545

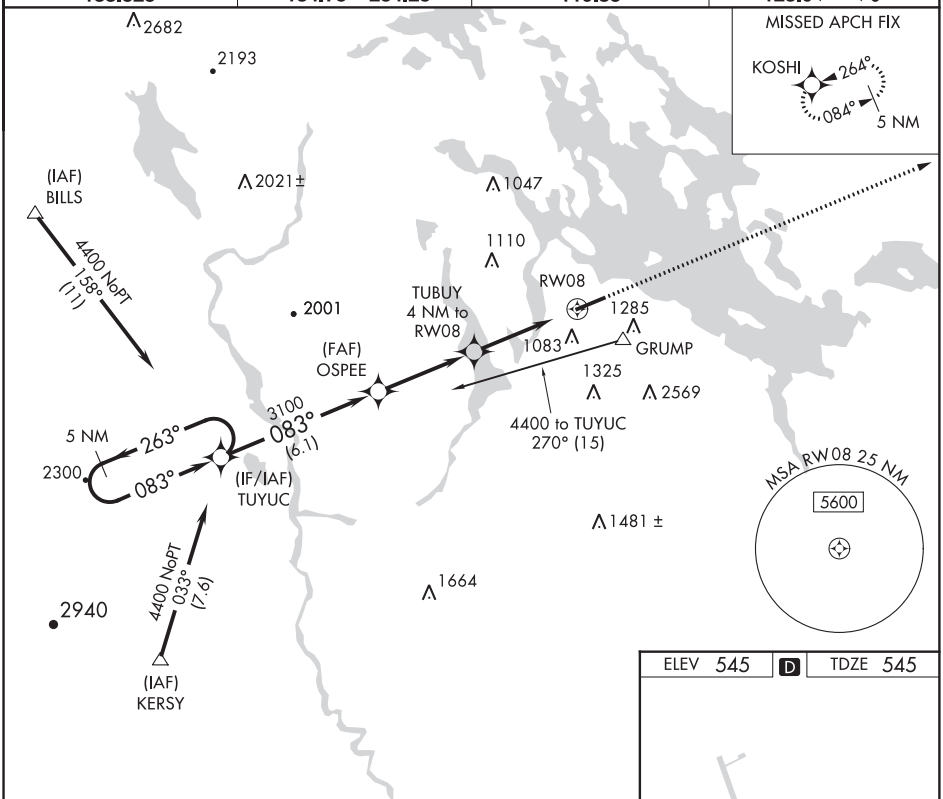
RNAV (GPS) RWY 8
LACONIA MUNI (LCI)

For inoperative MALSR, increase LPV all Cats visibility to 1½ miles. If local altimeter setting not received, use Concord altimeter setting and increase all DAs/MDAs 80 feet. DME/DME RNP-0.3 NA. VDP NA when using Concord altimeter setting. Night landing: Rwy 26 NA.

MALSR

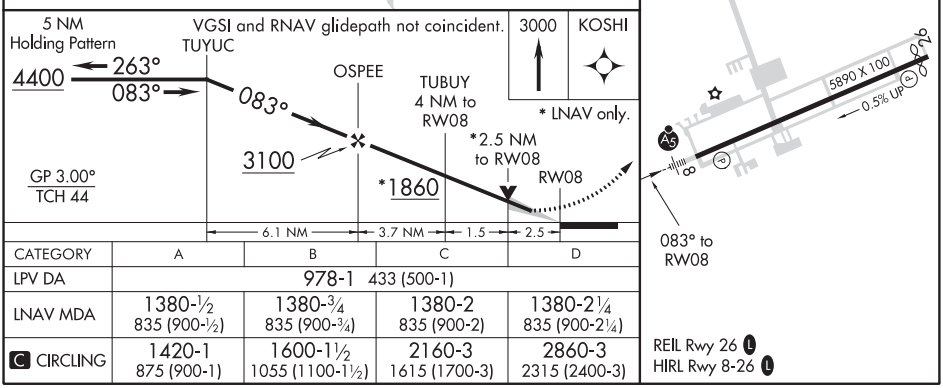
MISSED APPROACH: Climb to 3000 direct KOSHI and hold.

AWOS-3PT	BOSTON APP CON	CLNC DEL	UNICOM
133.525	134.75 254.25	119.85	123.0 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	978-1 433 (500-1)			
LNAV MDA	1380-½ 835 (900-½)	1380-¾ 835 (900-¾)	1380-2 835 (900-2)	1380-2¼ 835 (900-2¼)
C CIRCLING	1420-1 875 (900-1)	1600-1½ 1055 (1100-1½)	2160-3 1615 (1700-3)	2860-3 2315 (2400-3)

REIL Rwy 26 L
HIRL Rwy 8-26 L

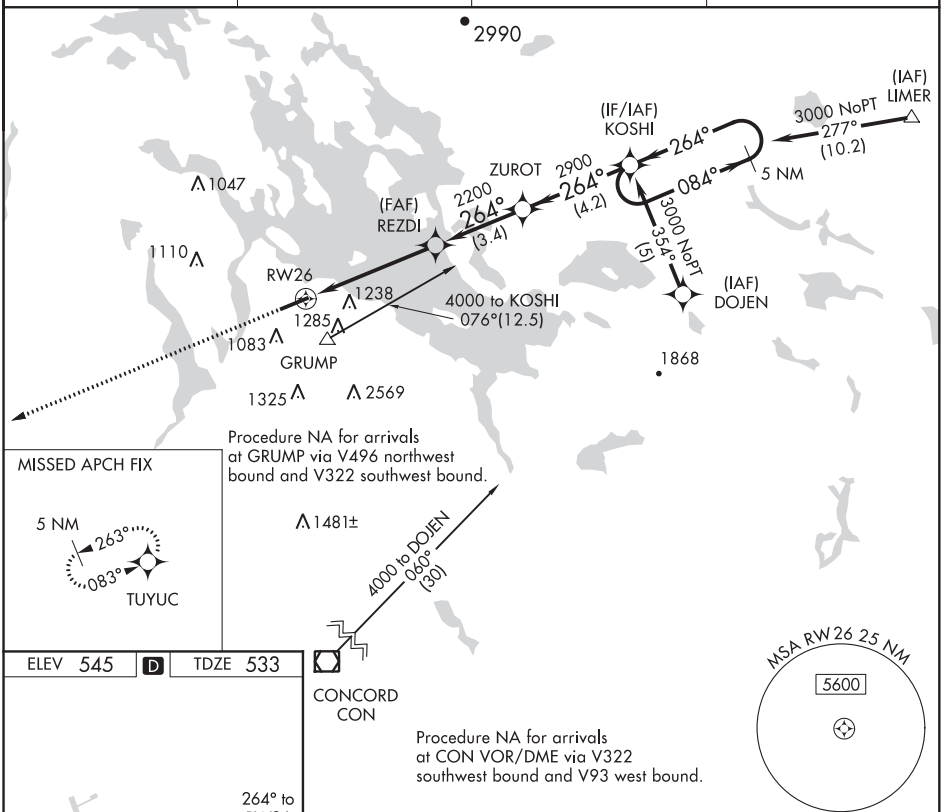
APP CRS	Rwy ldg	5286
264°	TDZE	533
	Apt Elev	545

RNAV (GPS) RWY 26
LACONIA MUNI (LCI)

Helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. If local altimeter setting not received, use Concord altimeter setting and increase all MDAs 80 feet. Night Landing: Rwy 26 NA.

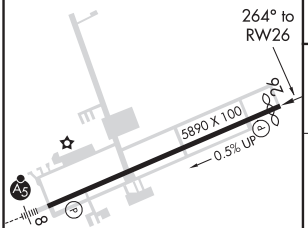
MISSED APPROACH: Climb to 4400 direct TUYUC and hold, continue climb-in-hold to 4400.

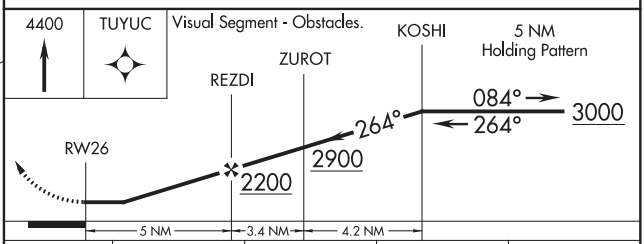
AWOS-3PT	BOSTON APP CON		CLNC DEL	UNICOM
133.525	134.75	254.25	119.85	123.0 (CTAF) L



08 OCT 2020 to 05 NOV 2020

ELEV 545 D TDZE 533



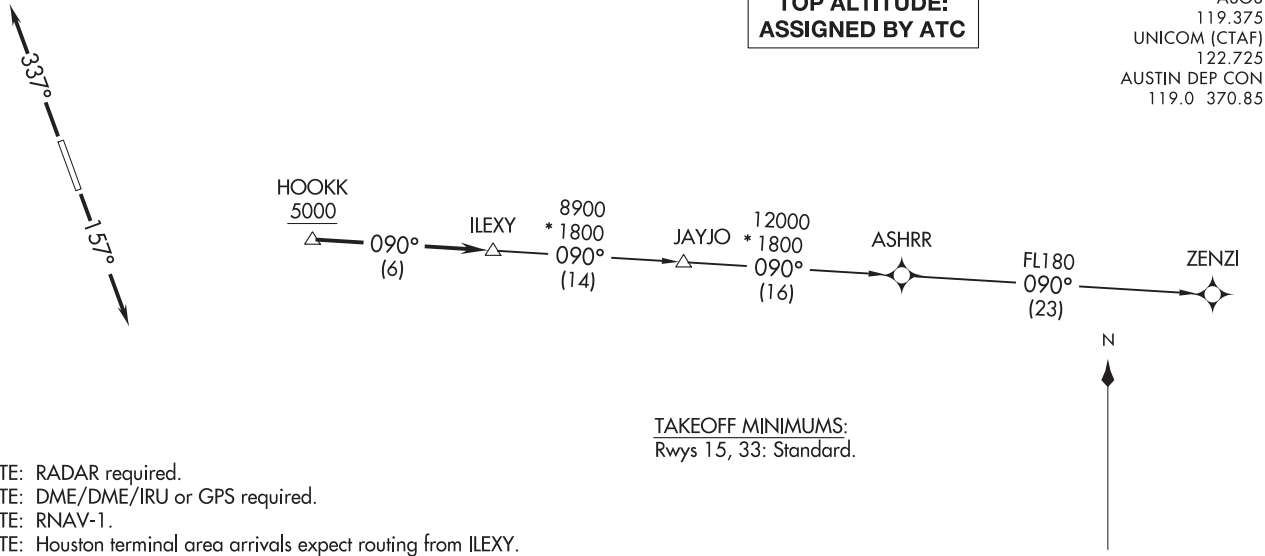


CATEGORY	A	B	C	D
LNAV MDA	1420-1¼ 887 (900-1¼)		1420-2¾ 887 (900-2¾)	1420-3 887 (900-3)
C CIRCLING	1420-1¼ 875 (900-1¼)	1600-1½ 1055 (1100-1½)	2160-3 1615 (1700-3)	2860-3 2315 (2400-3)

REIL Rwy 26 L
HIRL Rwy 8-26 L

TOP ALTITUDE: ASSIGNED BY ATC

ASOS
119.375
UNICOM (CTAF)
122.725
AUSTIN DEP CON
119.0 370.85



TAKEOFF MINIMUMS:
Rwys 15, 33: Standard.

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV-1.
NOTE: Houston terminal area arrivals expect routing from ILEXY.
NOTE: JAYJO transition to join V306 only.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 15: Climb heading 157° or as assigned by ATC for RADAR vectors to cross HOOKK at or above 5000, thence....
TAKEOFF RUNWAY 33: Climb heading 337° or as assigned by ATC for RADAR vectors to cross HOOKK at or above 5000, thence....

. . . . on track 090° to ILEXY, then on transition. Maintain altitude assigned by ATC. Expect filed altitude 10 minutes after departure.

JAYJO TRANSITION (ILEXY2.JAYJO):
ZENZI TRANSTION (ILEXY2.ZENZI):

WAAS CH 65629 W15A	APP CRS 152°	Rwy ldg 6500 TDZE 12 Apt Elev 15

RNAV (GPS) RWY 15
LAKE CHARLES RGNL (LCH)

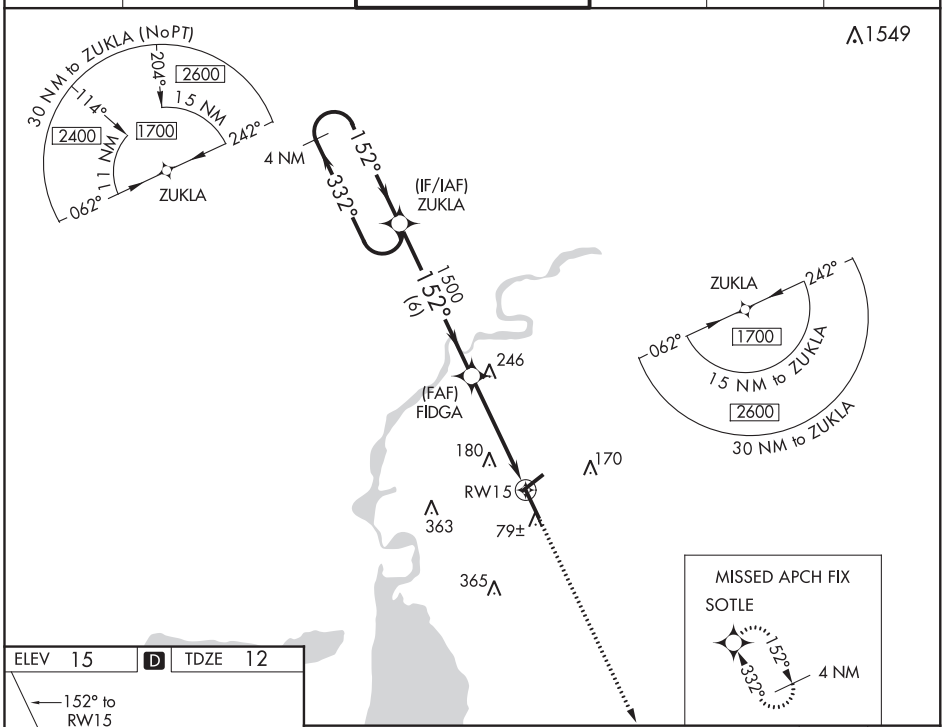
RNP APCH.

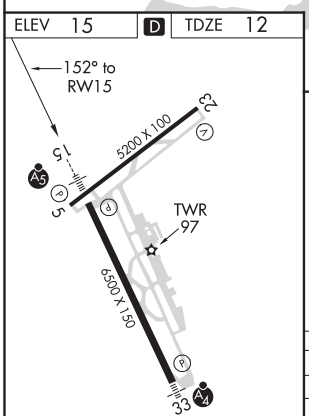
T A ASR For uncompensated Baro-VNAV systems, LNAV/VNAV below -3°C (27°F) or above 43°C (109°F). For inop MALSR, increase LNAV-VNAV all Cats visibility to ⅞ and LNAV Cats C and D to 1⅜ mile. ** RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR A5

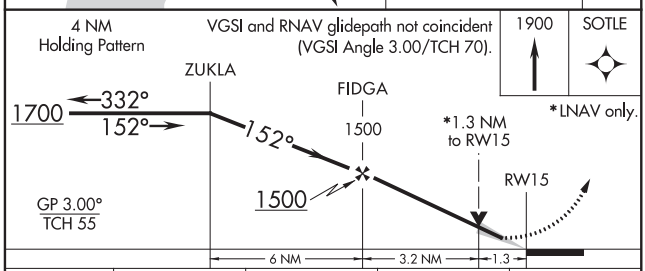
MISSED APPROACH: Climb to 1900 direct SOTLE and hold.

ATIS	LAKE CHARLES APP CON ★	LAKE CHARLES TOWER ★	GND CON	CLNC DEL	UNICOM
118.75	119.35 353.75	120.7 (CTAF) L 257.8	121.8	126.25	122.95





REIL Rwys 5 and 23
MIRL Rwy 5-23 L
HIRL Rwy 15-33 L



CATEGORY	A	B	C	D
LPV DA	212/24 200 (200-½)			
LNAV/VNAV DA	301/24 289 (300-½)			
LNAV MDA	500/24 488 (500-½)		500/50 488 (500-1)	
C CIRCLING	500-1 485 (500-1)		580-1½ 565 (600-1½)	680-2¼ 665 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LAKE CHARLES, LOUISIANA

AL-5083 (FAA)

20282

RNAV (GPS) RWY 33

LAKE CHARLES RGNL (LCH)

WAAS CH 56215 W33A	APP CRS 332°	Rwy ldg 6500 TDZE 11 Apt Elev 15

RNP APCH.

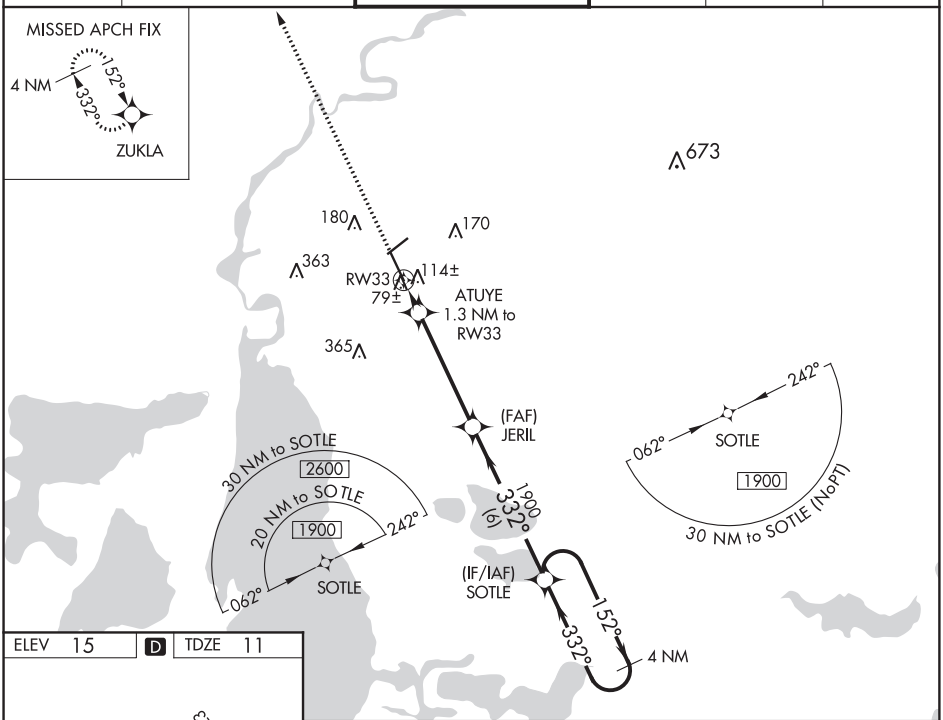
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 43°C (109°F). For inop MALSF, increase LNAV/VNAV all Cats visibility to 7/8 and LNAV all Cats visibility to 1 mile.

ASR

MALSF

MISSED APPROACH: Climb to 1700 direct ZUKLA and hold.

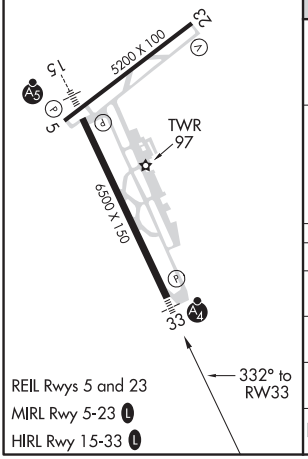
ATIS	LAKE CHARLES APP CON★	LAKE CHARLES TOWER★	GND CON	CLNC DEL	UNICOM
118.75	119.35 353.75	120.7 (CTAF) L 257.8	121.8	126.25	122.95



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

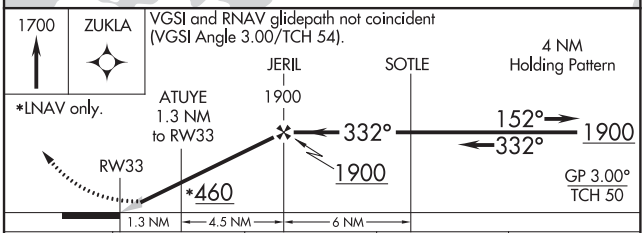
ELEV 15 D TDZE 11



REIL Rwys 5 and 23

MIRL Rwy 5-23 L

HIRL Rwy 15-33 L



CATEGORY	A	B	C	D
LPV DA	211-¾ 200 (200-¾)			
LNAV/VNAV DA	296-¾ 285 (300-¾)			
LNAV MDA	380-¾ 369 (400-¾)			
C CIRCLING	440-1 425 (500-1)	480-1 465 (500-1)	580-1½ 565 (600-1½)	680-2¼ 665 (700-2¼)

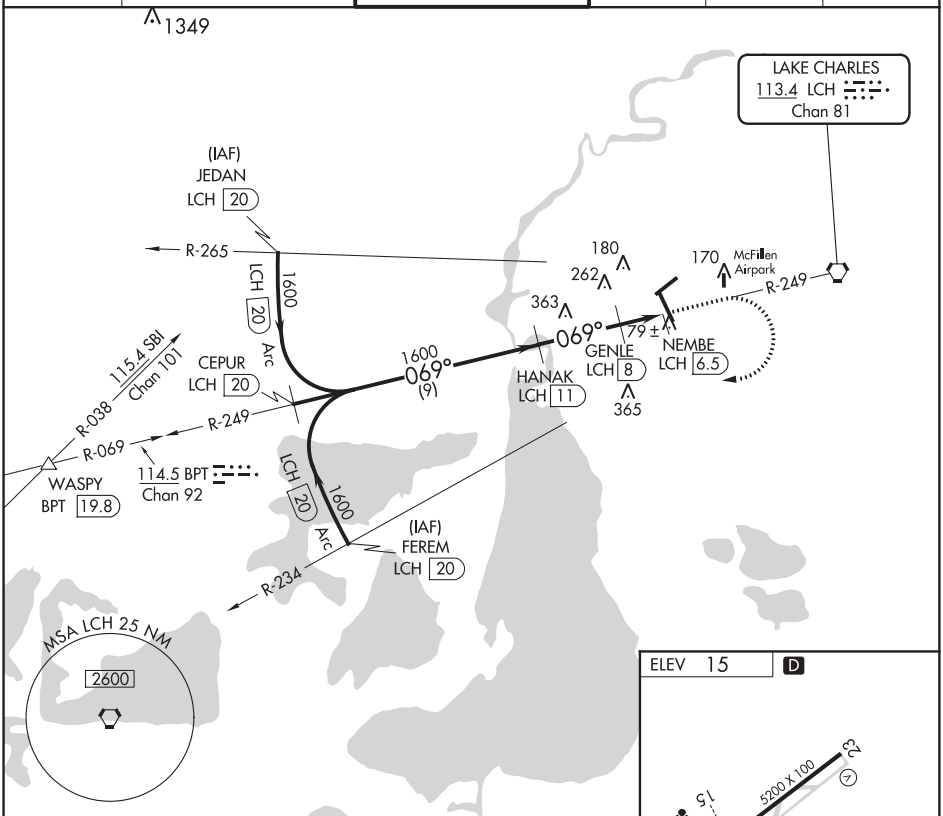
VOR/DME-B
LAKE CHARLES RGNL (LCH)

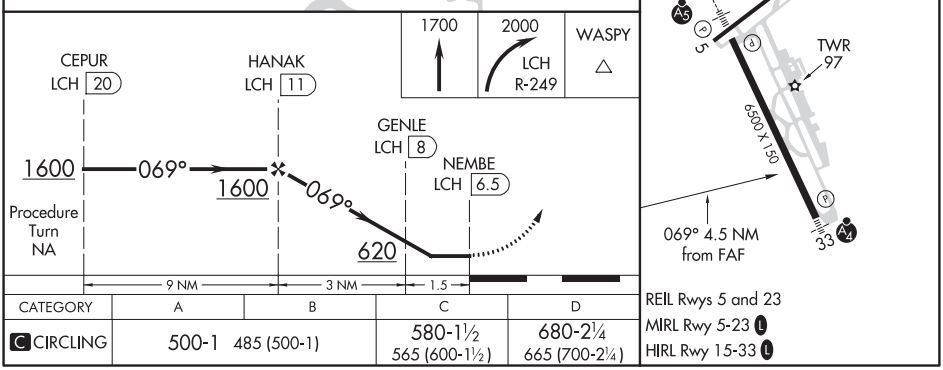
VORTAC LCH 113.4 Chan 81	APP CRS 069°	Rwy ldg N/A TDZE N/A Apt Elev 15

T
NA
ASR

MISSED APPROACH: Climb to 1700, then climbing right turn to 2000 via LCH R-249 to WASPY INT.

ATIS	LAKE CHARLES APP CON*	LAKE CHARLES TOWER*	GND CON	CLNC DEL	UNICOM
118.75	119.35 353.75	120.7 (CTAF) L 257.8	121.8	126.25	122.95





CATEGORY	A	B	C	D
C CIRCLING	500-1 485 (500-1)		580-1½ 565 (600-1½)	680-2¼ 665 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LAKE CHARLES, LOUISIANA

AL-5083 (FAA)

20282

VOR-A

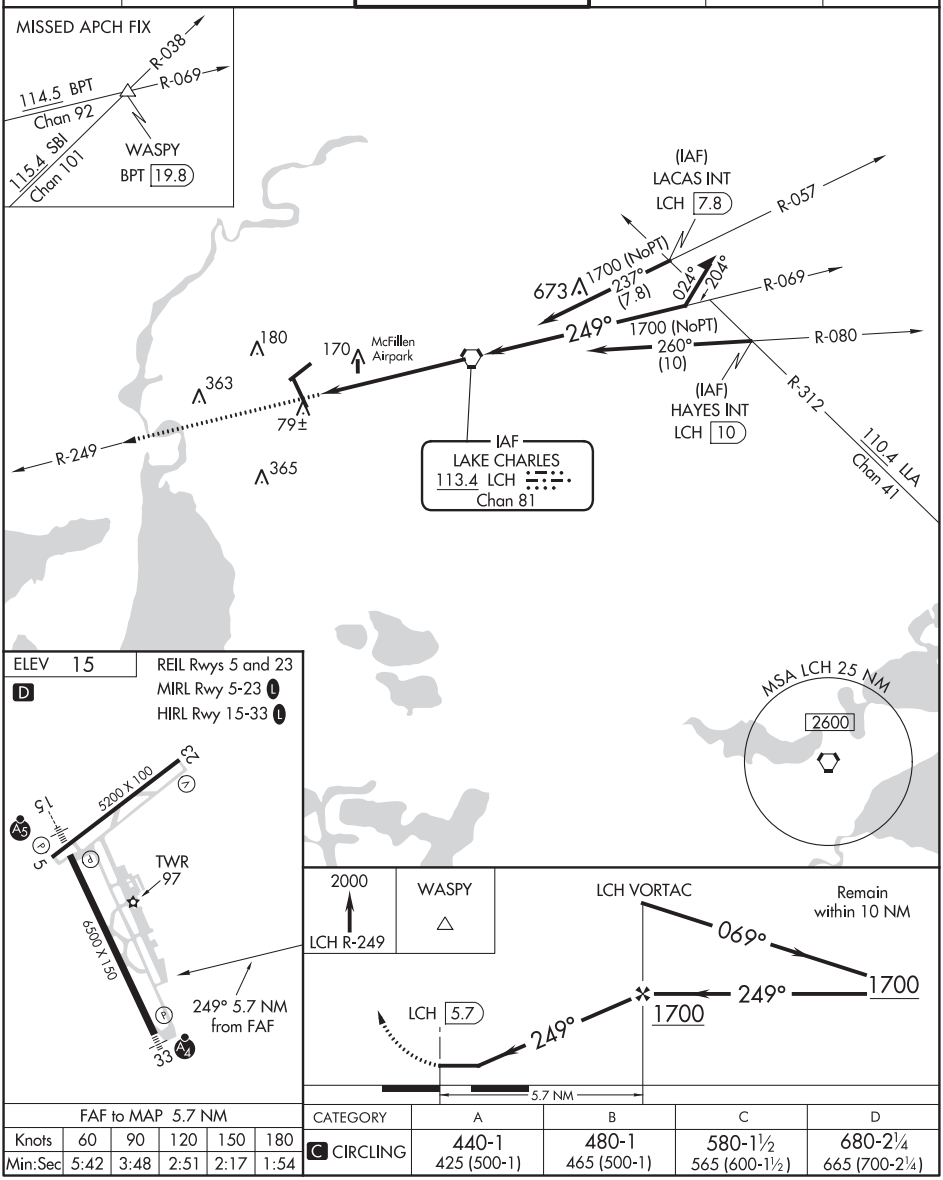
LAKE CHARLES RGNL (LCH)

VORTAC LCH 113.4 Chan 81	APP CRS 249°	Rwy ldg N/A TDZE N/A Apt Elev 15

T
A NA
ASR

MISSED APPROACH: Climb to 2000 via LCH R-249 to WASPY INT.

ATIS	LAKE CHARLES APP CON*	LAKE CHARLES TOWER*	GND CON	CLNC DEL	UNICOM
118.75	119.35 353.75	120.7 (CTAF) L 257.8	121.8	126.25	122.95



FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

CATEGORY	A	B	C	D
C CIRCLING	440-1 425 (500-1)	480-1 465 (500-1)	580-1½ 565 (600-1½)	680-2¼ 665 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LAKEHURST, NEW JERSEY

RNAV (GPS) RWY 33

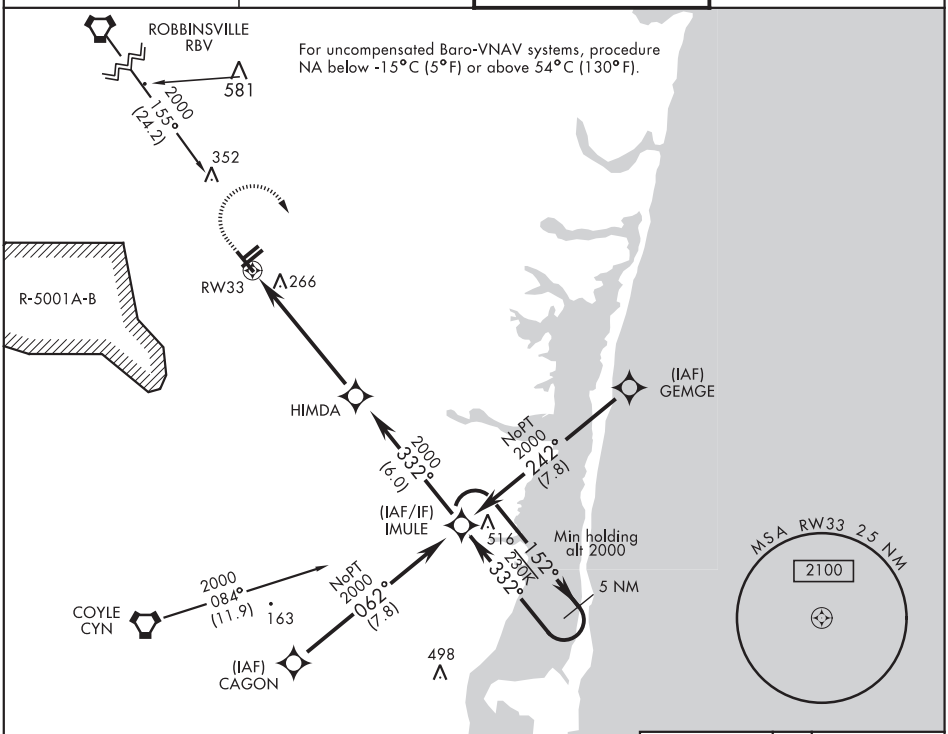
LAKEHURST MAXFIELD FLD,
(JOINT BASE MC GUIRE DIX LAKEHURST) (KNEL)

WAAS Chan 96580 W33A	APCH CRS 332°	Rwy ldg 5002 TDZE 88 Arpt Elev 101	AL-223 [USN]

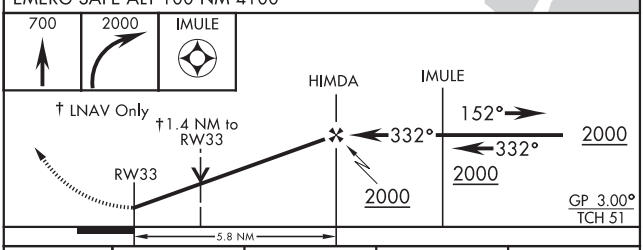
DME/DME RNP-0.3 NA

MISSED APPROACH: Climb to 700 then climbing right turn to 2000 direct IMULE and hold.

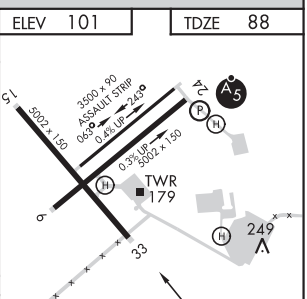
ATIS ★	MC GUIRE APP CON	LAKEHURST TOWER ★	GND CON
276.525	126.475 363.8	127.775 360.2	118.375 307.05



EMERG SAFE ALT 100 NM 4100



ELEV 101	TDZE 88



HIRL Rwy 6-24 L
MIRL Rwy 063°-243°

CATEGORY	A	B	C	D
LPV DA	289-¾ 201 (200-¾)			
LNAV/VNAV DA	577-1⅜ 489 (500-1⅜)			
LNAV MDA	600-1 512 (500-1)		600-1⅜ 512 (500-1⅜)	
C CIRCLING	640-1 539 (600-1)	720-1 619 (700-1)	720-1¾ 619 (700-1¾)	720-2 619 (700-2)

08 OCT 2020 to 05 NOV 2020
08 OCT 2020 to 05 NOV 2020

LAKELAND, FLORIDA | AL-939 (FAA) | 20282

LOC/DME I-LAL 110.1 Chan 38	APP CRS 094°	Rwy ldg 8414 TDZE 132 Apt Elev 142

ILS RWY 9 (SA CAT I & II)
LAKELAND LINDER INTL (LAL)

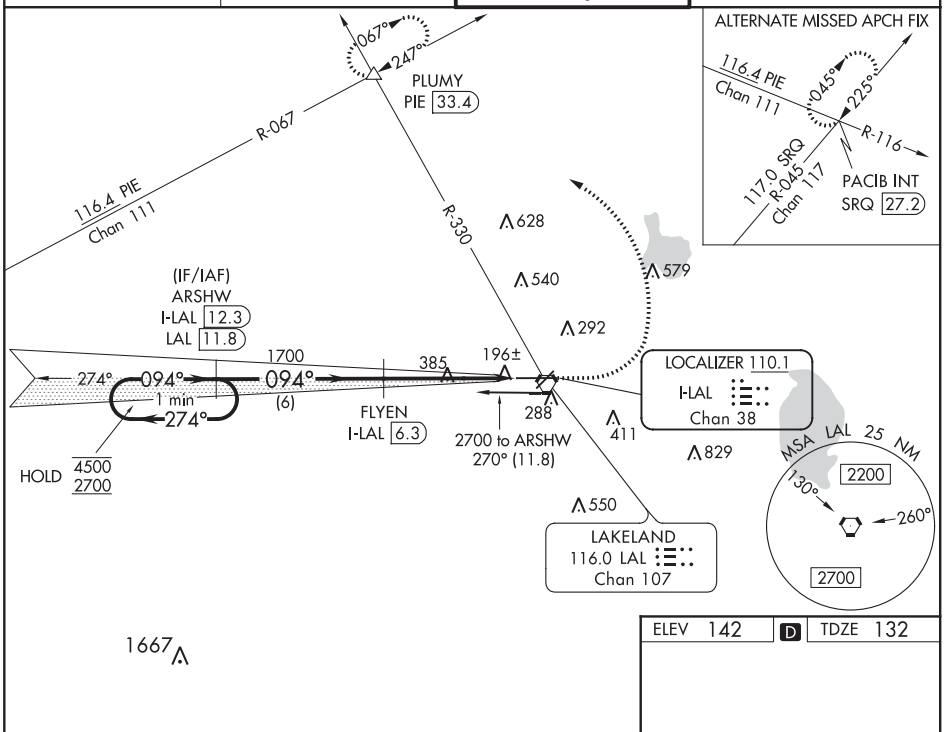
DME required.

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 HUD to touchdown. Autopilot coupled approach NA.
SA CAT I/II: Procedure NA when tower closed.

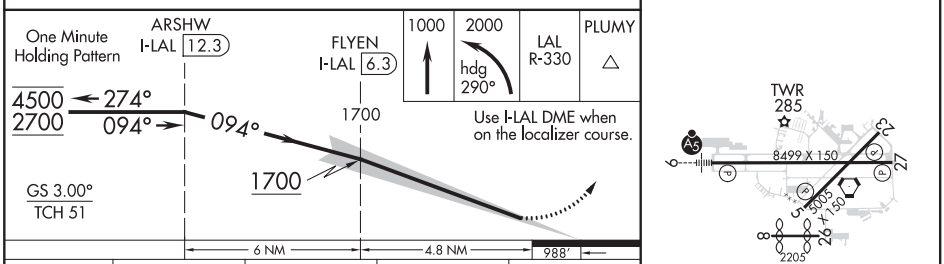
MALSR

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 on heading 290° and on LAL VORTAC R-330 to PLUMY INT/PIE 33.4 DME and hold.

ATIS	TAMPA APP CON	LAKELAND TOWER	GND CON
118.025	120.65 290.3	124.5 (CTAF) L 236.775	121.4



ELEV 142 | D | TDZE 132



CATEGORY	A	B	C	D
S-ILS 9	SA CAT I RA 152/14 150 DA 282			
S-ILS 9	SA CAT II RA 102/12 100 DA 232			

SA CATEGORY I & II ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL Rwys 5-23 and 9-27 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

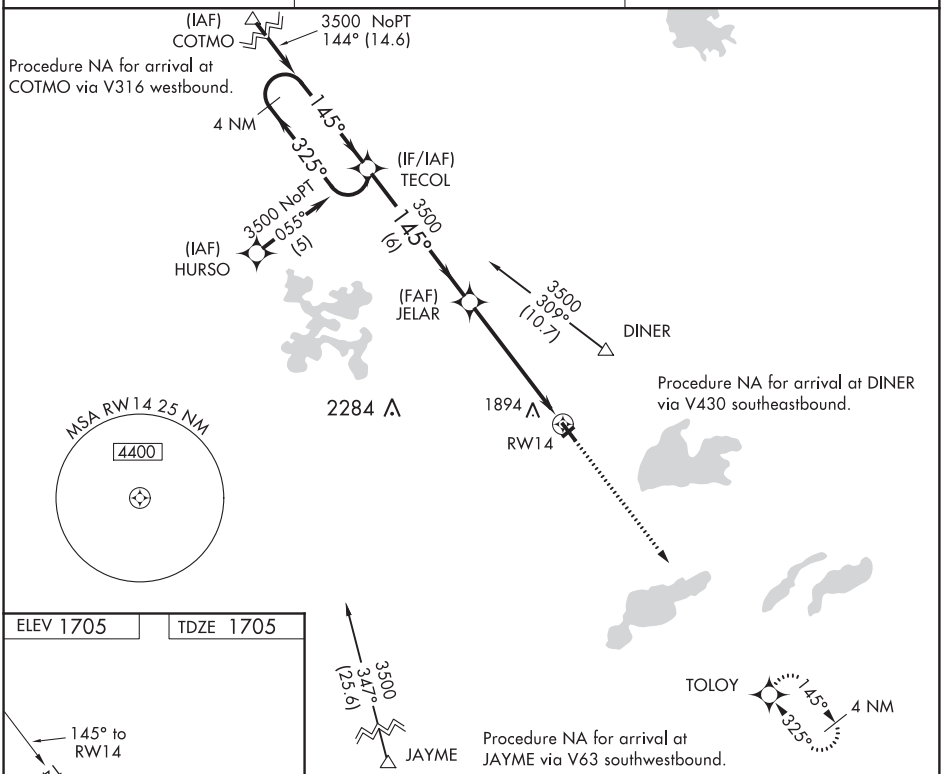
APP CRS	Rwy ldg	3802 (day) 3601 (night)
145°	TDZE	1705
	Apt Elev	1705

RNAV (GPS) RWY 14
KINGS LAND O'LAKES (LNL)

If local altimeter setting not received, use Eagle River Union altimeter setting and increase all MDAs 40 feet. Helicopter visibility reduction below 1 SM NA. Circling Rwy 32 NA at night. Circling NA to Rwys 5 and 23. DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 3500 direct TOLOY and hold.

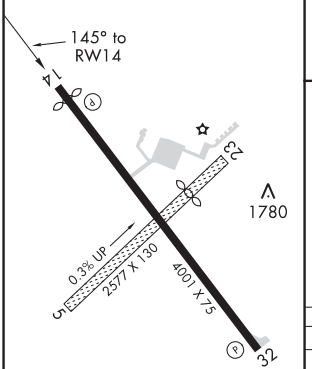
AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.525	133.65 281.5	122.8 (CTAF) L



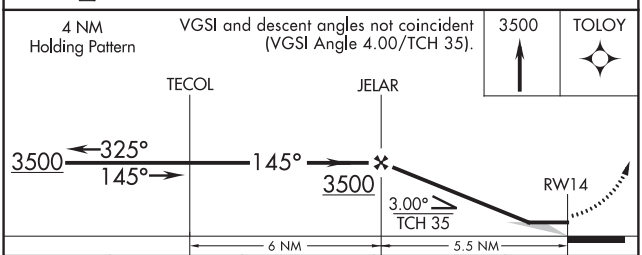
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 1705	TDZE 1705



REIL Rwy 14 L
MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LNAV MDA	2220-1 515 (600-1)		2220-1½ 515 (600-1½)	NA
C CIRCLING	2220-1 515 (600-1)	2240-1 535 (600-1)	2240-1½ 535 (600-1½)	NA

LAND O'LAKES, WISCONSIN

AL-5315 (FAA)

20282

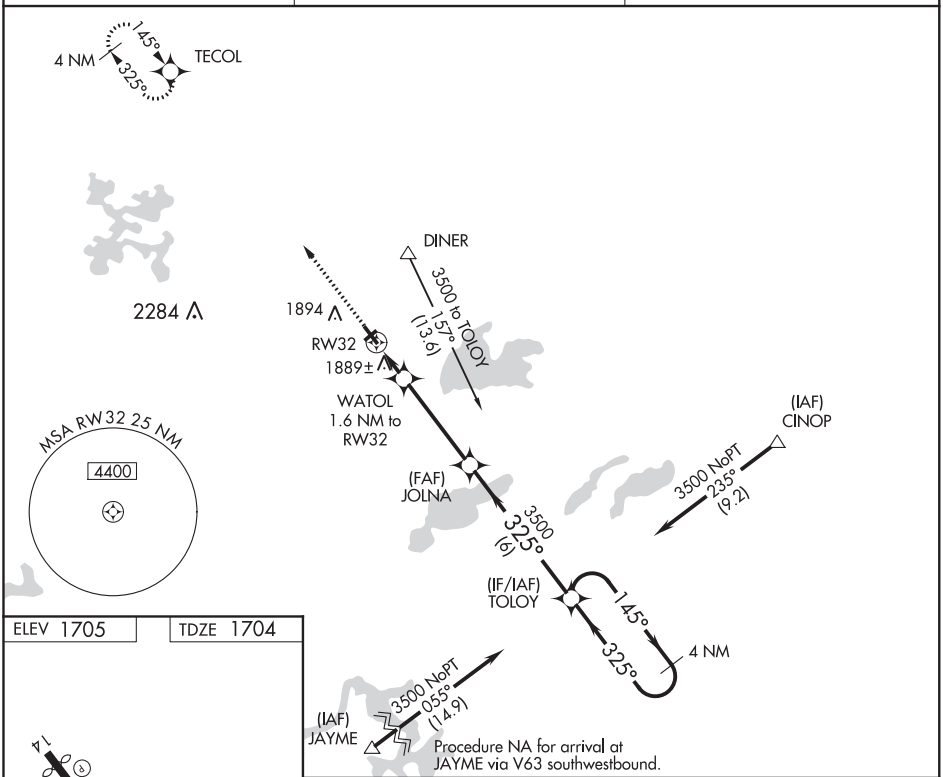
RNAV (GPS) RWY 32
KINGS LAND O'LAKES (LNL)

APP CRS	Rwy ldg	4001
325°	TDZE	1704
	Apt Elev	1705

If local altimeter setting not received, use Eagle River Union altimeter setting and increase all MDAs 40 feet.
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Circling NA to Rwys 5 and 23.
Straight-in Rwy 32 NA at night, Circling Rwy 32 NA at night.

MISSED APPROACH: Climb to 3500 direct TECOL and hold.

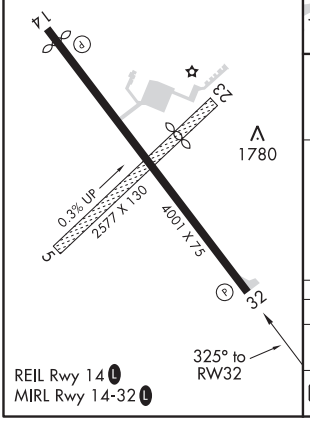
AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.525	133.65 281.5	122.8 (CTAF) L



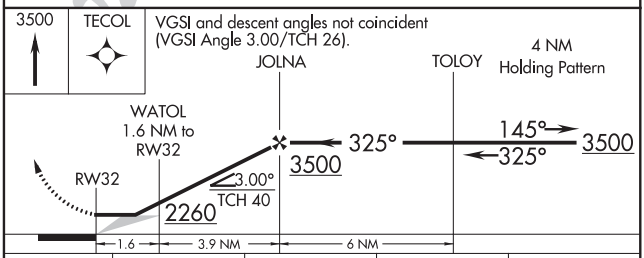
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 1705 | TDZE 1704



REIL Rwy 14 L
MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LNAV MDA	2140-1 436 (500-1)		2140-1¼ 436 (500-1¼)	NA
C CIRCLING	2200-1 495 (500-1)	2240-1 535 (600-1)	2240-1½ 535 (600-1½)	NA

HAMPTON, VIRGINIA

ILS or LOC Y RWY 8

LOC I-LFI	APCH CRS	Rwy ldg 10,002 TDZE 8 Arpt Elev 8
109.9	078°	

AL-185 [USAF]

LANGLEY AFB (KLFI)

RADAR or DME Required.

* When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1⅜ miles.

ALSF-1

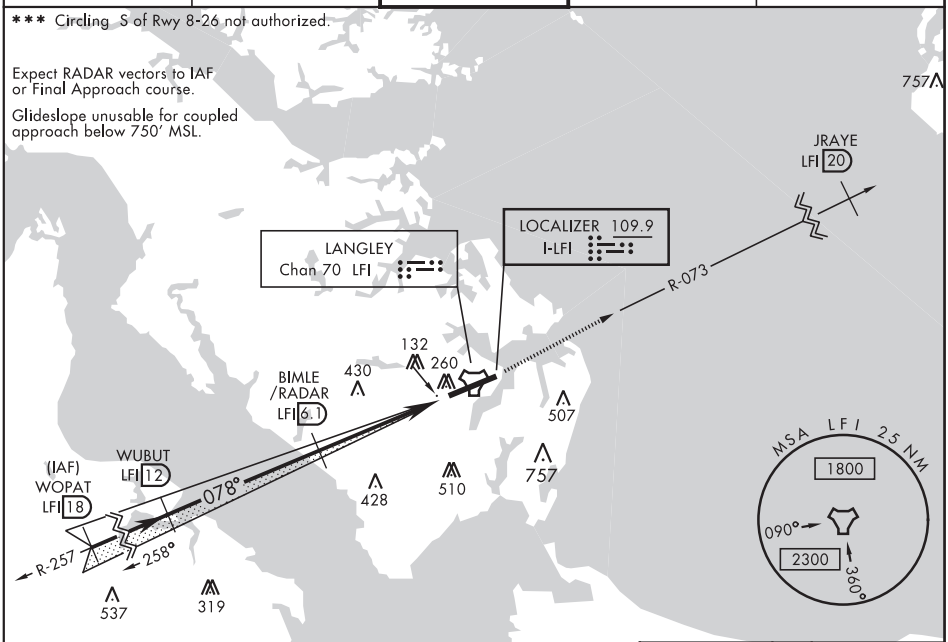
MISSED APPROACH: Climb to 3000 via LFI R-073 to 20 DME (JRAYE), then as instructed by ATC.

ATIS ★	NORFOLK APP CON	LANGLEY TOWER ★	GND CON	CLNC DEL
270.1	125.7 335.625	125.0 253.5	121.7 275.8	118.85 257.625

*** Circling S of Rwy 8-26 not authorized.

Expect RADAR vectors to IAF or Final Approach course.

Glideslope unusable for coupled approach below 750′ MSL.

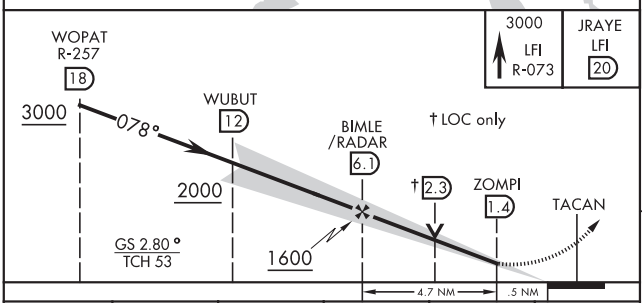


08 OCT 2020 to 05 NOV 2020

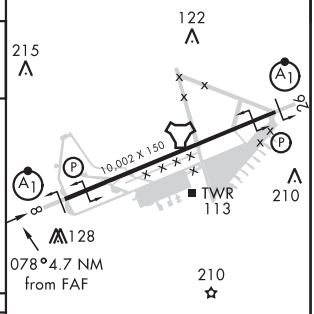
08 OCT 2020 to 05 NOV 2020

480

EMERG SAFE ALT 100 NM 4100



ELEV 8	TDZE 8



HIRL Rwy 8-26

CATEGORY	A	B	C	D	E
S-ILS 8 *	208/24		200	(200-½)	
S-LOC 8 **	480/24	472 (500-½)	480/50	472 (500-1)	
C CIRCLING ***	540-1 532 (600-1)	580-1 572 (600-1)	660-1¾ 652 (700-1¾)	760-2½ 752 (800-2½)	760-2¾ 752 (800-2¾)

FAF to MAP 4.7 NM					
Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

20282

HAMPTON, VIRGINIA

ILS or LOC Y RWY 26

LOC I-ABM	APCH CRS	Rwy ldg 10,002 TDZE 8 Arpt Elev 8	JAL-185 [USAF]	LANGLEY AFB (KLFI)
109.9	258°			

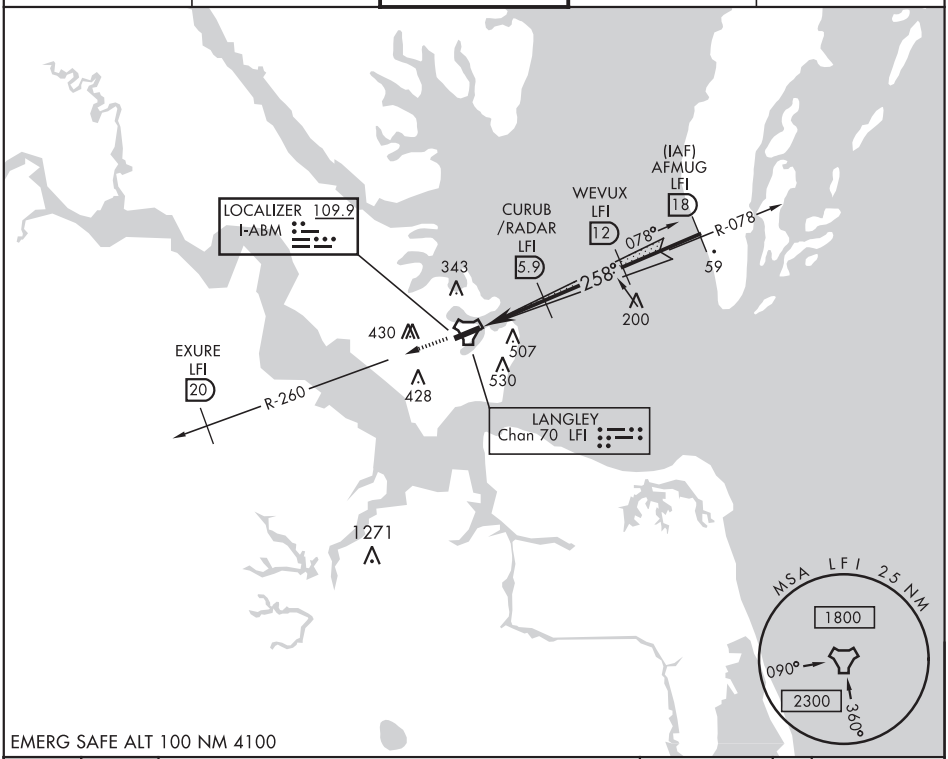
RADAR or DME Required.

* When ALS inop, increase RVR to 40 and vis to ¾ miles.
** When ALS inop, increase RVR to 55 and vis to 1⅛ miles.
*** Circling S of Rwy 8-26 not authorized.

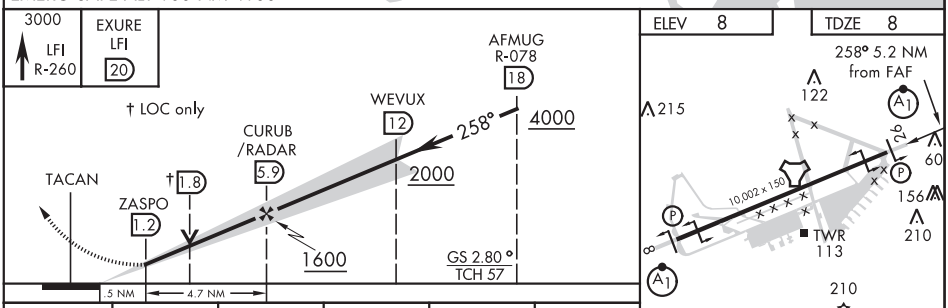
ALSF-1

MISSED APPROACH: Climb to 3000 via LFI R-260 to 20 DME (EXURE), then as instructed by ATC.

ATIS ★	NORFOLK APP CON	LANGLEY TOWER ★	GND CON	CLNC DEL
270.1	125.7 335.625	125.0 253.5	121.7 275.8	118.85 257.625



EMERG SAFE ALT 100 NM 4100



CATEGORY	A	B	C	D	E
S-ILS 26*	208/24		200	(200-½)	
S-LOC 26**	380/24	372 (400-⅝)	380/35	372	(400-⅝)
*** CIRCLING	540-1 532 (600-1)	580-1 572 (600-1)	660-1¾ 652 (700-1¾)	760-2½ 752 (800-2½)	760-2¾ 752 (800-2¾)

FAF to MAP 4.7 NM					
Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

HAMPTON, VIRGINIA

RNAV (GPS) RWY 8

WAAS CH 41170 W08A	APCH CRS 078°	Rwy ldg 10,002 TDZE 8 Arpt Elev 8

AL-185 (USAF)

LANGLEY AFB (KLFI)

* When ALS inop, increase RVR to 40, vis to 3/4 mile.
** When ALS inop, increase vis to 1 3/8 miles.
*** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 1 3/8 miles.

ALSF-1

MISSED APPROACH: Climb to 3000 on course 073° to JRAYE, then as instructed by ATC.

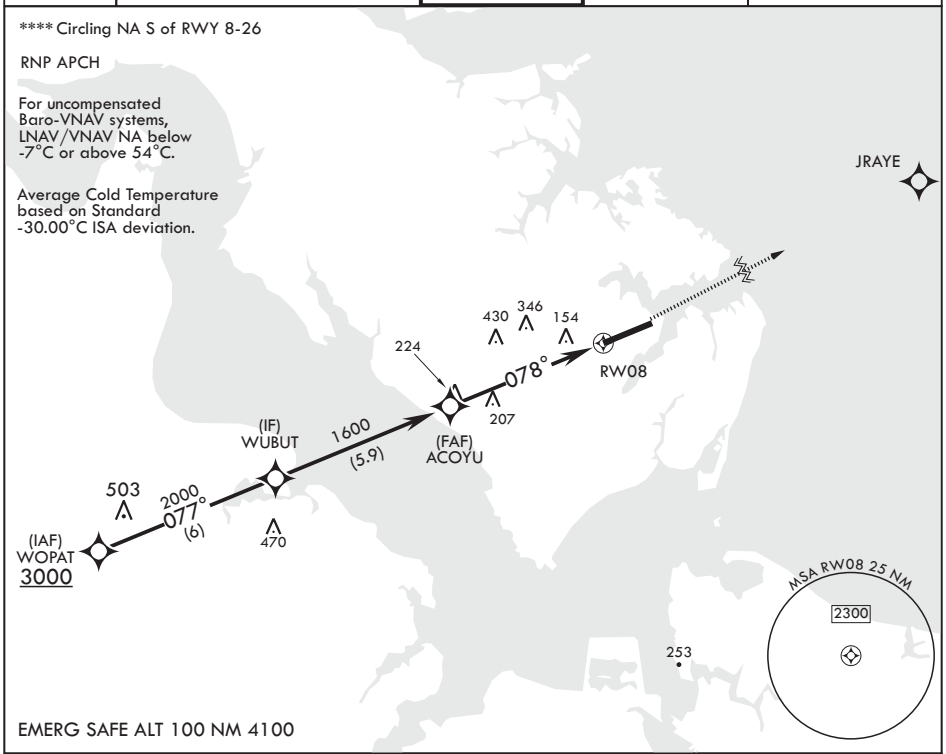
ATIS★	NORFOLK APP CON/DEP CON	TOWER★	GND CON	CLNC DEL
270.1	125.7 335.625	125.0 253.5	121.7 275.8	118.85 257.625

**** Circling NA S of RWY 8-26

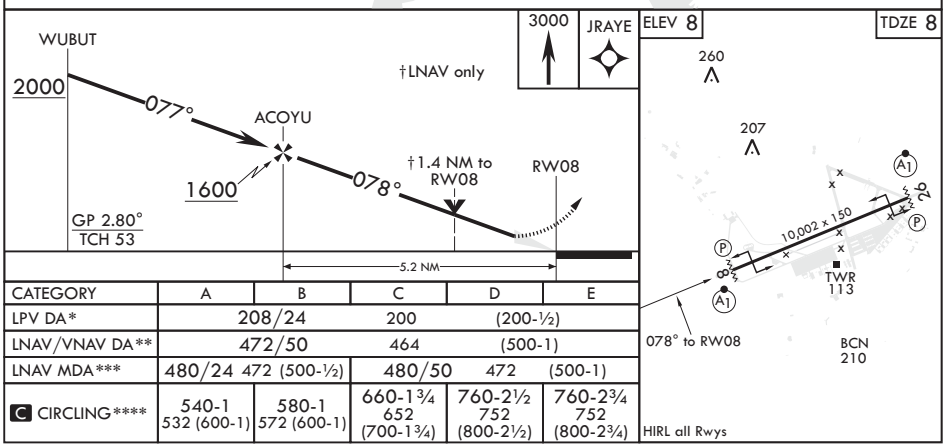
RNP APCH

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -7°C or above 54°C.

Average Cold Temperature based on Standard -30.00°C ISA deviation.



EMERG SAFE ALT 100 NM 4100



CATEGORY	A	B	C	D	E
LPV DA*	208/24		200	(200-½)	
LNAV/VNAV DA**	472/50		464	(500-1)	
LNAV MDA***	480/24 472 (500-½)		480/50 472 (500-1)		
C CIRCLING****	540-1 532 (600-1)	580-1 572 (600-1)	660-1¾ 652 (700-1¾)	760-2½ 752 (800-2½)	760-2¾ 752 (800-2¾)

HAMPTON, VIRGINIA

Orig 08OCT20

37°05'N - 76°22'W

LANGLEY AFB (KLFI)

RNAV (GPS) RWY 8

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

20282

HAMPTON, VIRGINIA

RNAV (GPS) RWY 26

WAAS CH 41171 W26A	APCH CRS 258°	Rwy ldg 10,002 TDZE 8 Arpt Elev 8

AL-185 (USAF)

LANGLEY AFB (KLFI)

* When ALS inop increase RVR to 40, vis to 3/4 mile.
** When ALS inop, increase RVR to 60, vis to 1 1/8 miles.
*** When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1 3/8 miles.

ALSF-1

MISSED APPROACH: Climb to 3000 on course 258° to CAGER WPT and hold.

ATIS★	NORFOLK APP CON/DEP CON	TOWER★	GND CON	CLNC DEL
270.1	125.7 335.625	125.0 253.5	121.7 275.8	118.85 257.625

**** Circling not authorized S of Rwy 8-26.

RNP APCH

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -7°C or above 54°C.

(IAF) MALEC 3000

(IF) WENBA

2300 258° (4.9)

200

(FAF) BALIF

1600 (5.8)

RW26

208 504 220 355 510 428

CAGER

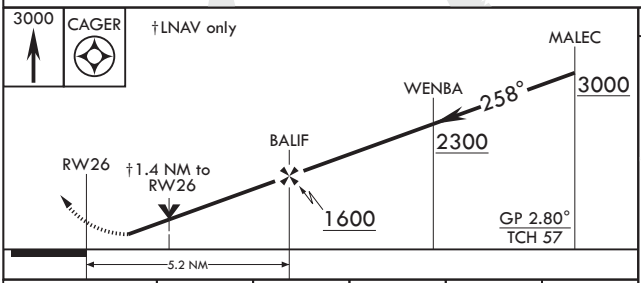
258° 470 078° 2 NM

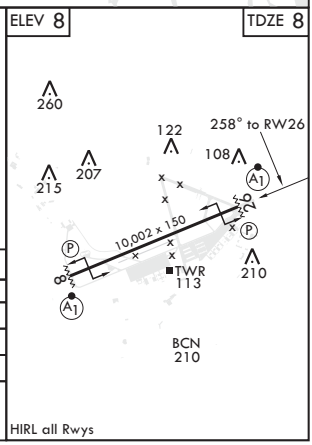
MSA RW26 25 NM 2300

522

EMERG SAFE ALT 100 NM 4100

08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D	E
LPV DA*	208/24		200	(200-½)	
LNAV/VNAV DA**	404/35		396	(400-⅝)	
LNAV MDA***	480/24 472 (500-½)		480/50	472	(500-1)
CIRCLING****	540-1 532 (600-1)	580-1 572 (600-1)	660-1¾ 652 (700-1¾)	760-2½ 752 (800-2½)	760-2¾ 752 (800-2¾)

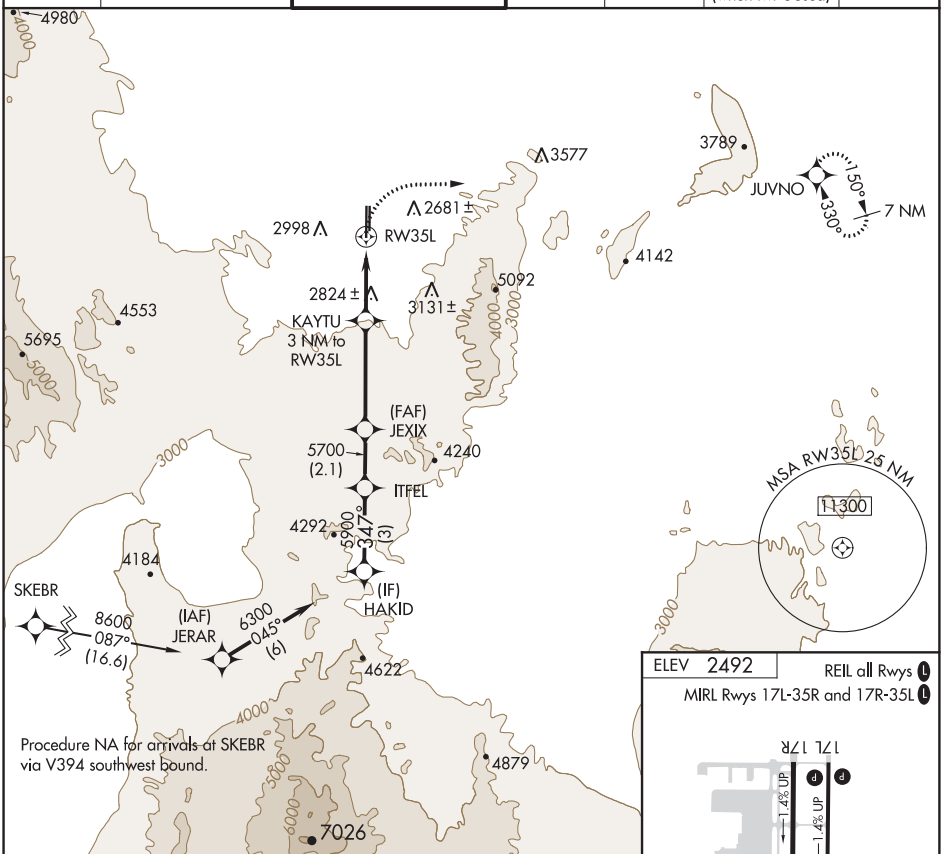
APP CRS	Rwy ldg	N/A
347°	TDZE	N/A
	Apt Elev	2492

RNAV (GPS)-B
HENDERSON EXECUTIVE (HND)

When local altimeter setting not received, use McCarran Intl altimeter setting and increase all MDAs 60 feet.
DME/DME RNP- 0.3 NA. Visibility reduction by helicopters NA.

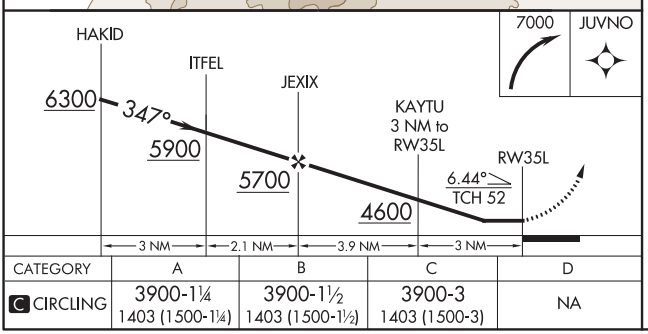
MISSED APPROACH: Climbing right turn to 7000 direct JUVNO and hold, continue climb-in-hold to 7000.

ATIS	LAS VEGAS APP CON	HENDERSON TOWER★	GND CON	CLNC DEL	CLNC DEL	UNICOM
120.775	118.4 307.25	125.1 (CTAF) L	127.8	135.35	125.9 (when twr closed)	122.95



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

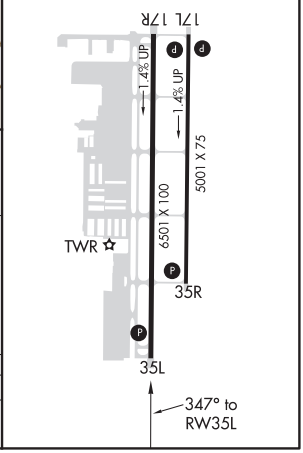


CATEGORY	A	B	C	D
C CIRCLING	3900-1¼ 1403 (1500-1¼)	3900-1½ 1403 (1500-1½)	3900-3 1403 (1500-3)	NA

ELEV 2492

REIL all Rwys L

MIRL Rwys 17L-35R and 17R-35L L



LAUREL, MISSISSIPPI

AL-5185 (FAA)

20282

RNAV (GPS) RWY 13
HESLER-NOBLE FIELD (LUL)

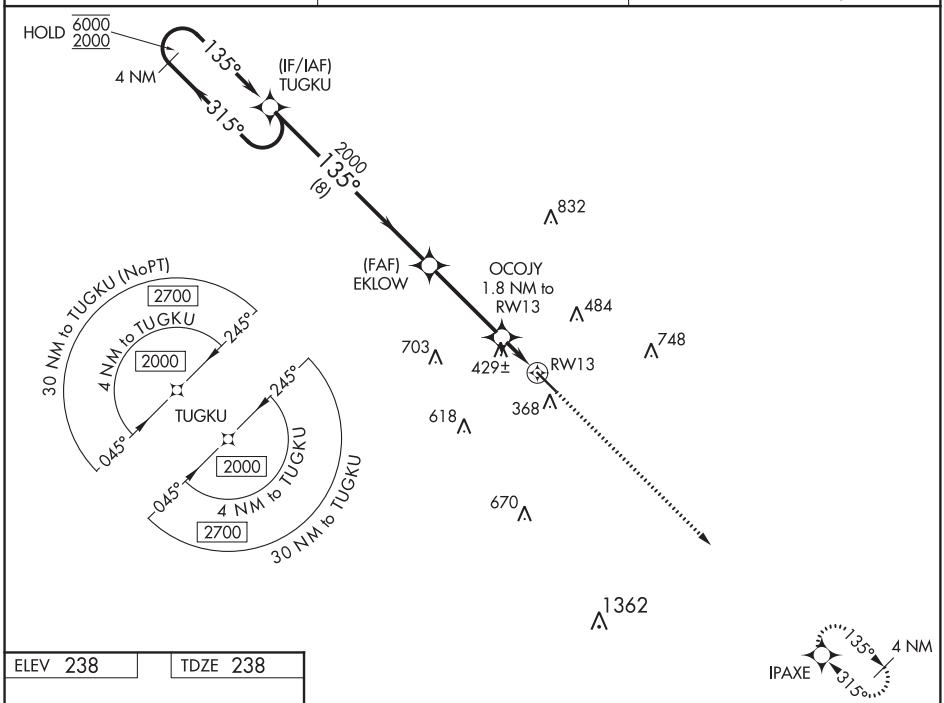
WAAS CH 45704 W13A	APP CRS 135°	Rwy ldg 5513 TDZE 238 Apt Elev 238

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C.

MISSED APPROACH: Climb to 2000 direct IPAXE and hold.

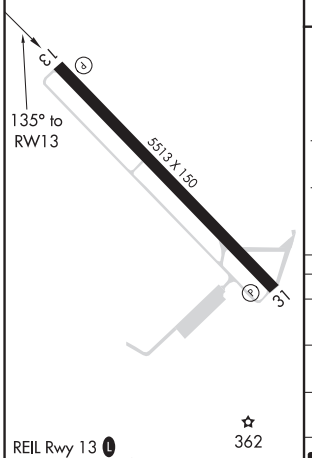
AWOS-3PT	HOUSTON CENTER	UNICOM
119.275	126.8 327.8	123.05 (CTAF) L



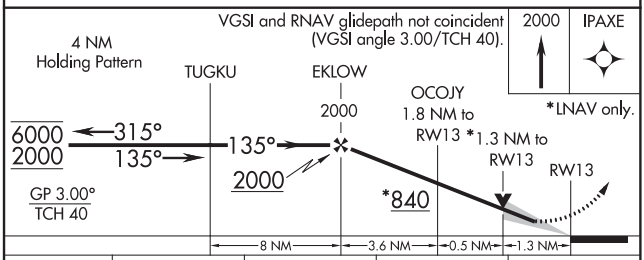
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 238 | TDZE 238



REIL Rwy 13 L
HIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LPV DA	488-1 250 (300-1)			
LNAV/VNAV DA	759-1¾ 521 (600-1¾)			
LNAV MDA	680-1 442 (500-1)		680-1⅜ 442 (500-1⅜)	680-2 442 (500-2)
C CIRCLING	700-1 462 (500-1)	800-1 562 (600-1)	1040-2¼ 802 (900-2¼)	1060-2¾ 822 (900-2¾)

RNAV (GPS) RWY 31
HESLER-NOBLE FIELD (LUL)

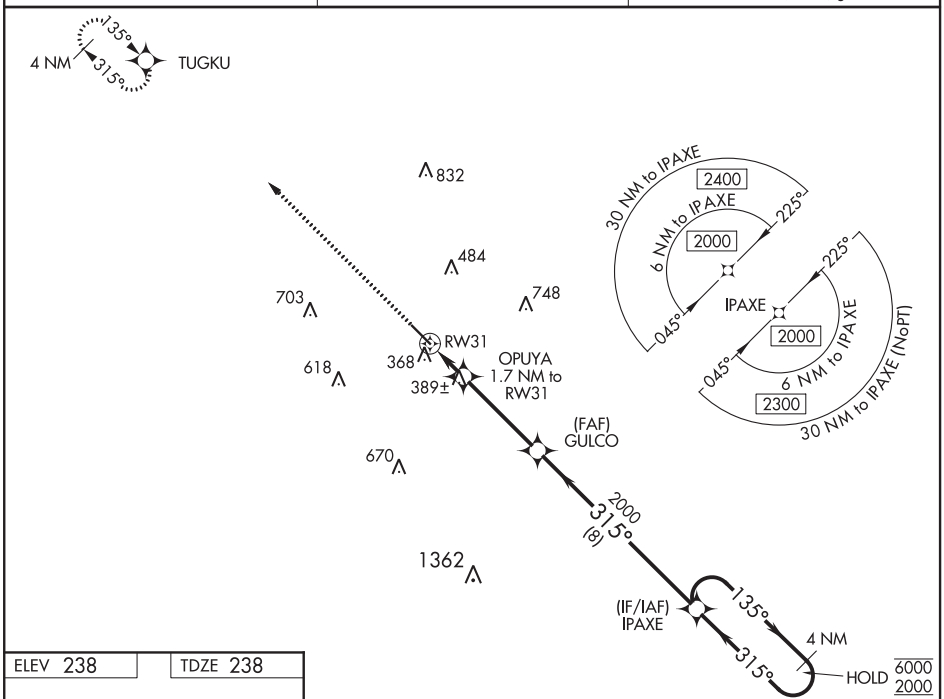
WAAS CH 86404 W31A	APP CRS 315°	Rwy ldg 5513 TDZE 238 Apt Elev 238

RNP APCH.

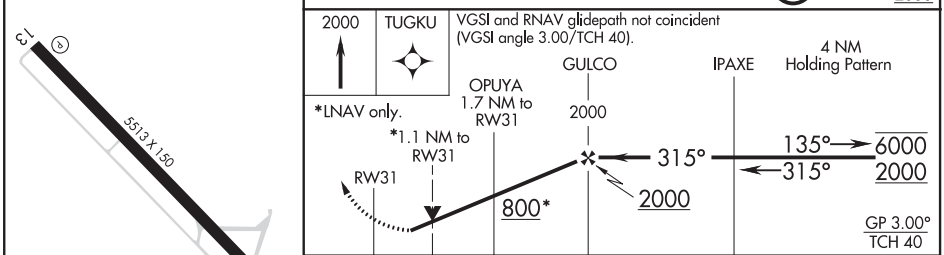
Rwy 31 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C.

MISSED APPROACH: Climb to 2000 direct TUGKU and hold.

AWOS-3PT	HOUSTON CENTER	UNICOM
119.275	126.8 327.8	123.05 (CTAF) L



ELEV 238	TDZE 238



CATEGORY	A	B	C	D
LPV DA	524-1 286 (300-1)			
LNAV/VNAV DA	554-1 316 (400-1)			
LNAV MDA	640-1 402 (500-1)		640-1⅛ 402 (500-1⅛)	
C CIRCLING	700-1 462 (500-1)	800-1 562 (600-1)	1040-2¼ 802 (900-2¼)	1060-2¾ 822 (900-2¾)

REIL Rwy 13 L
HIRL Rwy 13-31 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LEXINGTON, KENTUCKY AL-697 (FAA) 20282

ILS or LOC RWY 4
BLUE GRASS (LEX)

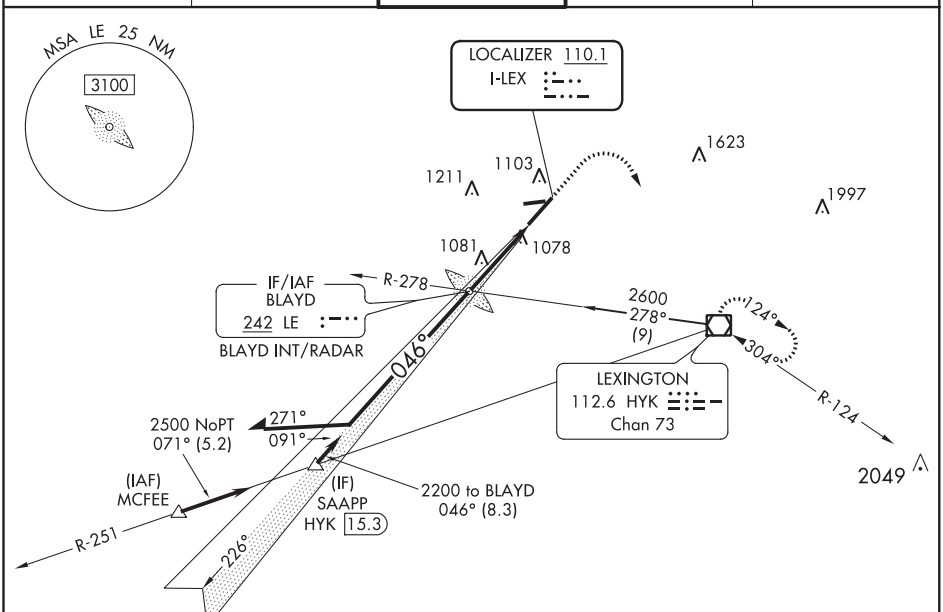
LOC I-LEX	APP CRS	Rwy ldg	6604
110.1	046°	TDZE	969
		Apt Elev	979

When local altimeter setting not received, use Frankfort altimeter setting: increase all DAs to 1231 feet; increase all MDAs 80 feet and visibility Cats C and D ¼ SM. For inop ALS when using Frankfort altimeter setting, increase S-ILS 4 all Cats visibility to RVR 4500.

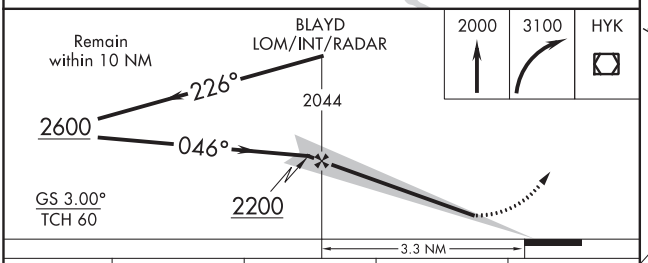
MALSR

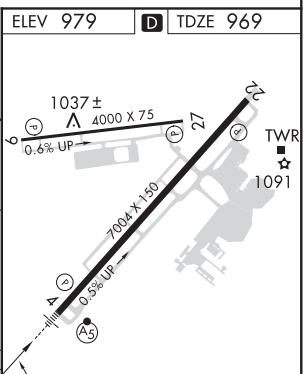
MISSED APPROACH: Climb to 2000 then climbing right turn to 3100 direct to HYK VOR/DME and hold.

ATIS	LEXINGTON APP CON	LEXINGTON TOWER	GND CON	CLNC DEL
126.3	120.15 259.3	119.1 257.8	121.9	132.35



08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
S-ILS 4	1169/18 200 (200-½)			
S-LOC 4	1340/24 371 (400-½)		1340/35 371 (400-⅝)	
C CIRCLING	1420-1 441 (500-1)	1440-1 461 (500-1)	1520-1½ 541 (600-1½)	1600-2 621 (700-2)

FAF to MAP 3.3 NM

Knots	60	90	120	150	180
Min:Sec	3:18	2:12	1:39	1:19	1:06

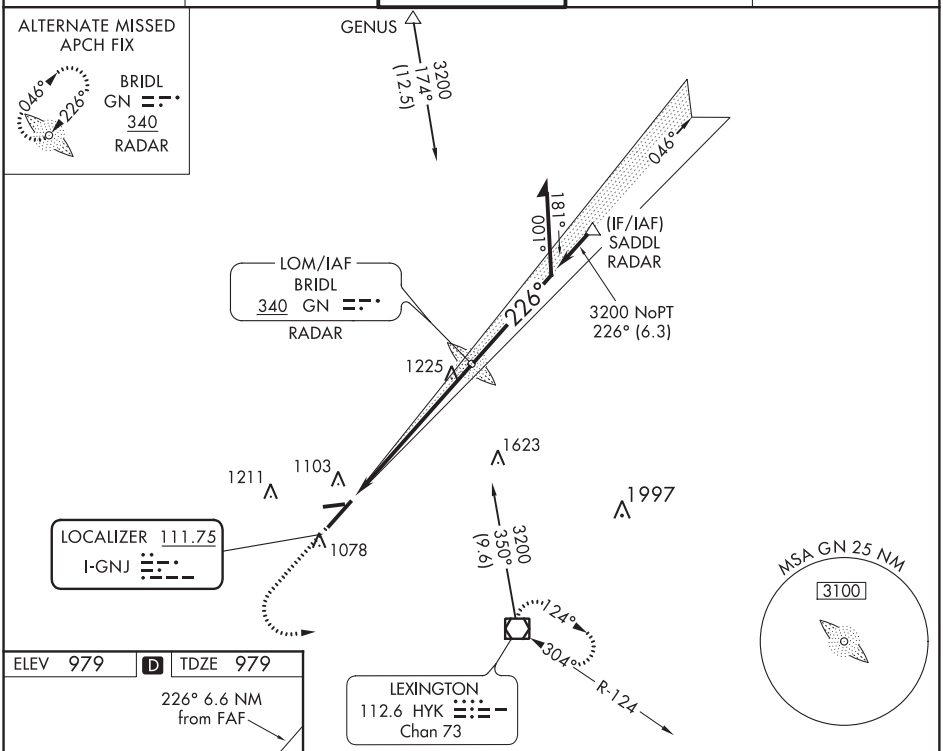
LOC I-GNJ	APP CRS	Rwy ldg	6604
111.75	226°	TDZE	979
		Apt Elev	979

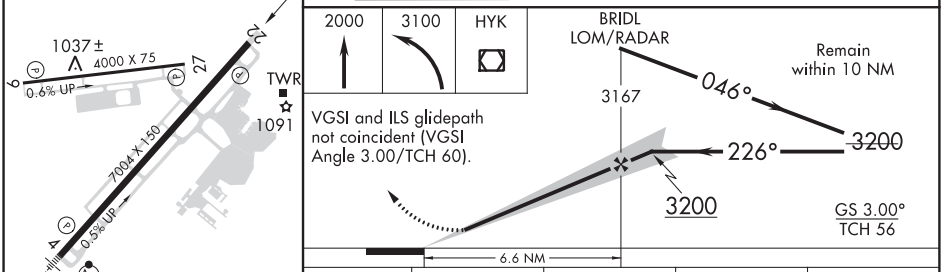
ILS or LOC RWY 22
BLUE GRASS (LEX)

Rwy 22 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Frankfort altimeter setting: increase all DAs to 1291 feet and all visibilities ¼ SM; increase all MDAs 80 feet and visibility Cats C and D ¼ SM.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3100 direct HYK VOR/DME and hold.

ATIS	LEXINGTON APP CON	LEXINGTON TOWER	GND CON	CLNC DEL
126.3	120.15 259.3	119.1 257.8	121.9	132.35





FAF to MAP 6.6 NM					
Knots	60	90	120	150	180
Min:Sec	6:36	4:24	3:18	2:38	2:12

CATEGORY	A	B	C	D
S-ILS 22	1229-¾ 250 (300-¾)			
S-LOC 22	1520-1 541 (600-1)		1520-1½ 541 (600-1½)	1520-1¾ 541 (600-1¾)
C CIRCLING	1520-1 541 (600-1)		1520-1½ 541 (600-1½)	1600-2 621 (700-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LEXINGTON, KENTUCKY AL-697 (FAA) 20282

WAAS CH 86918 W09A	APP CRS 087°	Rwy ldg 4000 TDZE 967 Apt Elev 979

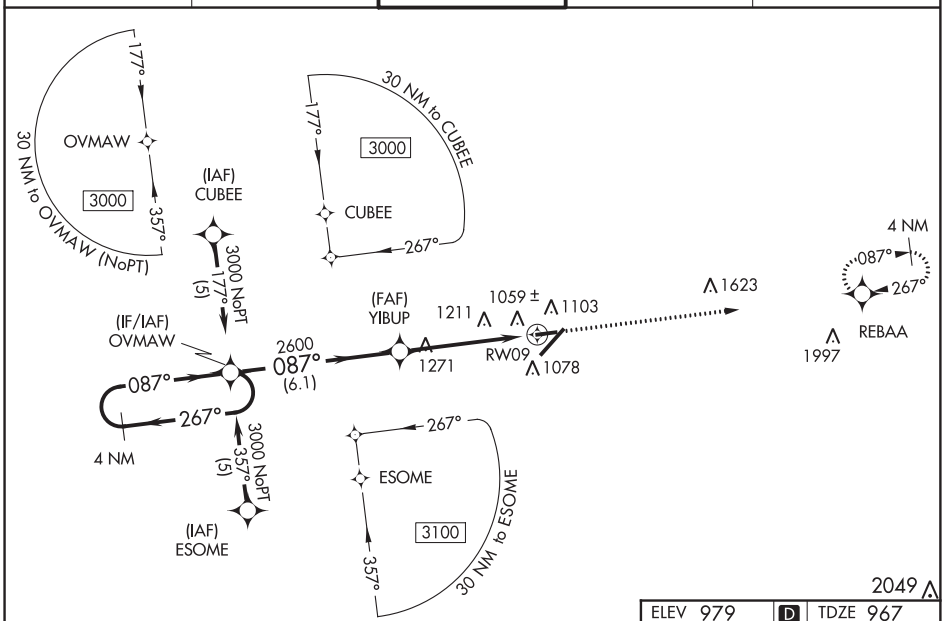
RNAV (GPS) RWY 9
BLUE GRASS (LEX)

Baro-VNAV NA when using Frankfort altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP NA with Frankfort altimeter setting. When local altimeter setting not received, use Frankfort altimeter setting: increase LPV DA to 1279 feet and all visibilities ¼ SM; increase LNAV/VNAV DA to 1421 feet and all visibilities ¼ SM; increase all MDAs 80 feet and visibility Cats C and D ¼ SM.

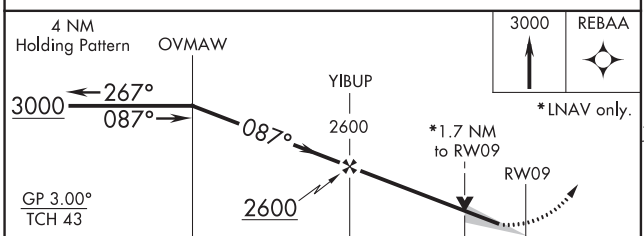
MISSED APPROACH: Climb to 3000 direct REBAA and hold.

ATIS	LEXINGTON APP CON	LEXINGTON TOWER	GND CON	CLNC DEL
126.3	120.15 259.3	119.1 257.8	121.9	132.35

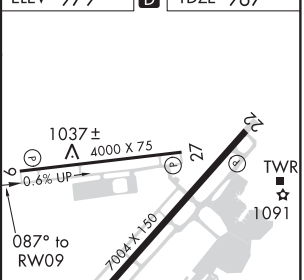
08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	1217-1 250 (300-1)			
LNAV/VNAV DA	1359-1½ 392 (400-1½)			
LNAV MDA	1540-1 573 (600-1)		1540-1½ 573 (600-1½)	1540-1¾ 573 (600-1¾)
C CIRCLING	1540-1 561 (600-1)		1540-1½ 561 (600-1½)	1600-2 621 (700-2)



TDZ/CL Rwy 4
REIL Rwys 9, 22 and 27
HIRL Rwy 4-22
MIRL Rwy 9-27

LEXINGTON, KENTUCKY
Orig-B 08OCT20

38°02'N-84°37'W

BLUE GRASS (LEX)
RNAV (GPS) RWY 9

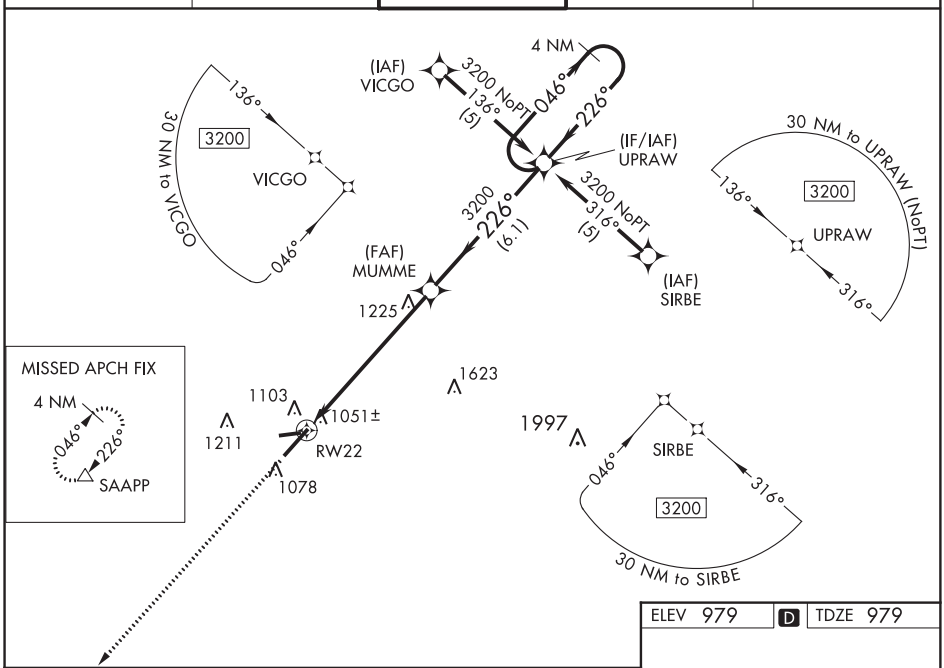
WAAS CH 90201 W22A	APP CRS 226°	Rwy ldg 6604 TDZE 979 Apt Elev 979

RNAV (GPS) RWY 22
BLUE GRASS (LEX)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (117°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Frankfort altimeter setting: increase LPV DA to 1329 feet and all visibilities ¼ SM; increase LNAV/VNAV DA to 1434 feet and all visibilities ¼ SM; increase all MDAs 80 feet and visibility Cats C and D ¼ SM. Baro-VNAV and VDP NA when using Frankfort altimeter setting. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3200 direct SAAPP and hold.

ATIS	LEXINGTON APP CON	LEXINGTON TOWER	GND CON	CLNC DEL
126.3	120.15 259.3	119.1 257.8	121.9	132.35

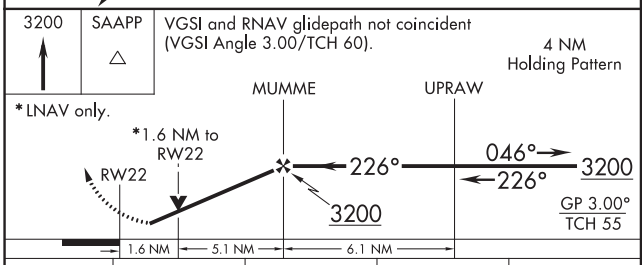


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

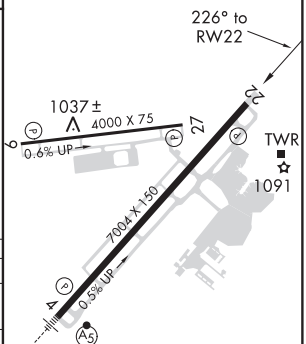
3200	SAAPP

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 60).



CATEGORY	A	B	C	D
LPV DA	1267-1 288 (300-1)			
LNAV/VNAV DA	1372-1¼ 393 (400-1¼)			
LNAV MDA	1520-1 541 (600-1)		1520-1½ 541 (600-1½)	1520-1¾ 541 (600-1¾)
C CIRCLING	1520-1 541 (600-1)		1520-1½ 541 (600-1½)	1600-2 621 (700-2)

ELEV 979 D TDZE 979



TDZ/CL Rwy 4
REIL Rwys 9, 22 and 27
HIRL Rwy 4-22
MIRL Rwy 9-27

LEXINGTON, KENTUCKY

AL-697 (FAA)

20282

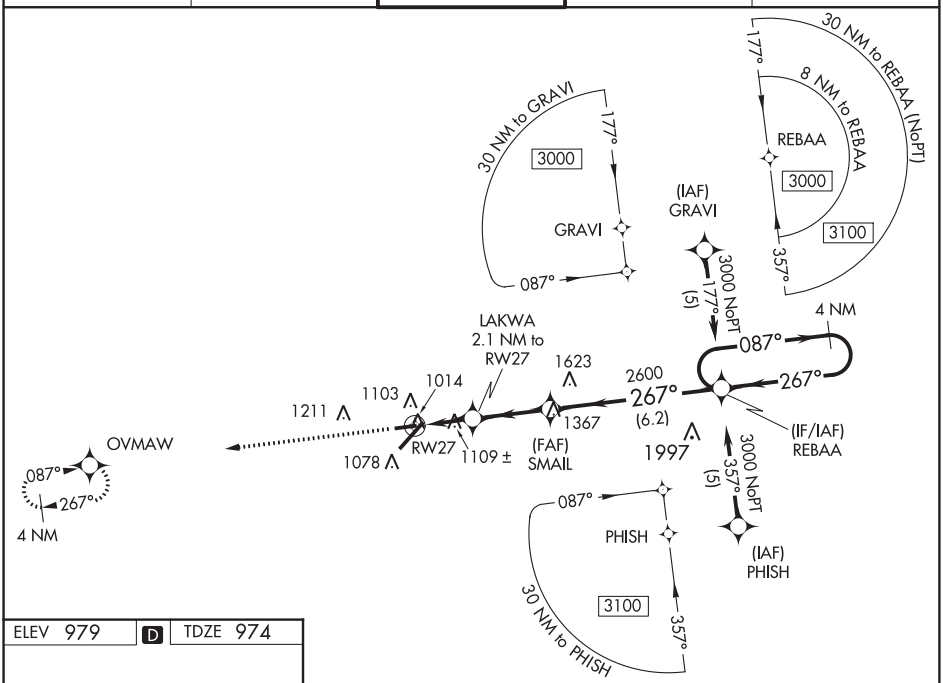
RNAV (GPS) RWY 27
BLUE GRASS (LEX)

WAAS CH 78218 W27A	APP CRS 267°	Rwy ldg 4000 TDZE 974 Apt Elev 979

Baro-VNAV NA when using Frankfort altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Frankfort altimeter setting: increase LPV DA to 1421 feet and all visibilities ¼ SM; increase LNAV/VNAV DA to 1450 feet and all visibilitites ¼ SM; increase all MDAs 80 feet and visibility Cats C and D ¼ SM.

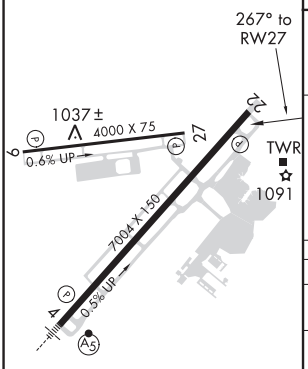
MISSED APPROACH: Climb to 3000 direct OVMAW and hold.

ATIS	LEXINGTON APP CON	LEXINGTON TOWER	GND CON	CLNC DEL
126.3	120.15 259.3	119.1 257.8	121.9	132.35

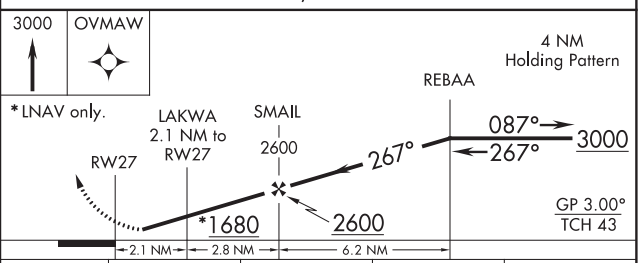


08 OCT 2020 to 05 NOV 2020

ELEV 979 | D | TDZE 974



TDZ/CL Rwy 4
REIL Rwys 9, 22 and 27
HIRL Rwy 4-22
MIRL Rwy 9-27



CATEGORY	A	B	C	D
LPV DA	1359-1¼ 385 (400-1¼)			
LNAV/VNAV DA	1388-1⅜ 414 (500-1⅜)			
LNAV MDA	1360-1 386 (400-1)		1360-1⅛ 386 (400-1⅛)	
C CIRCLING	1420-1 441 (500-1)	1440-1 461 (500-1)	1520-1½ 541 (600-1½)	1600-2 621 (700-2)

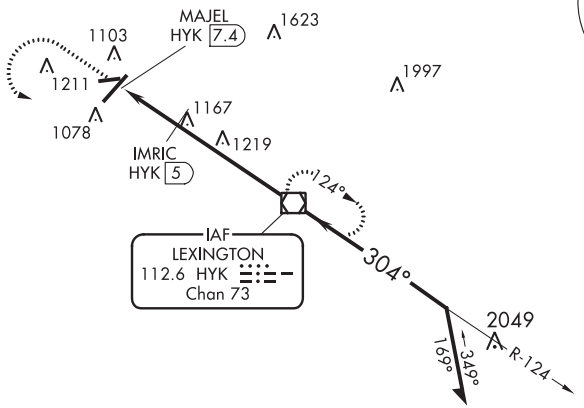
VOR-A
BLUE GRASS (LEX)

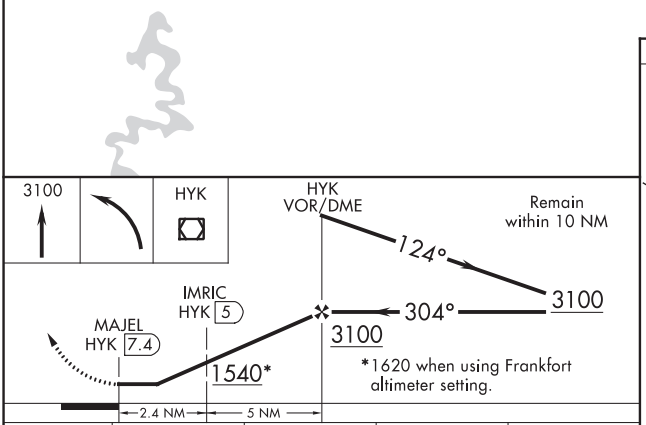
VOR/DME HYK	APP CRS	Rwy ldg	N/A
112.6	304°	TDZE	N/A
Chan 73		Apt Elev	979

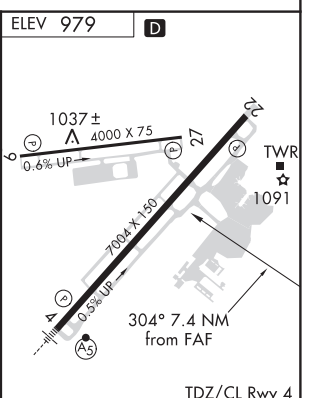
When local altimeter setting not received, use Frankfort altimeter setting and increase all MDAs 80 feet and visibility Cats C and D ¼ SM.

MISSED APPROACH: Climb to 3100 then left turn direct HYK VOR/DME and hold.

ATIS	LEXINGTON APP CON	LEXINGTON TOWER	GND CON	CLNC DEL
126.3	120.15 259.3	119.1 257.8	121.9	132.35







TDZ/CL Rwy 4
REIL Rwys 9, 22 and 27
HIRL Rwy 4-22
MIRL Rwy 9-27

CATEGORY	A	B	C	D
C CIRCLING	1540-1 561 (600-1)		1540-1½ 561 (600-1½)	1600-2 621 (700-2)
IMRIC DME FIX MINIMUMS				
C CIRCLING	1460-1 481 (500-1)		1520-1½ 541 (600-1½)	1600-2 621 (700-2)

FAF to MAP 7.4 NM					
Knots	60	90	120	150	180
Min:Sec	7:24	4:56	3:42	2:58	2:28

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LEXINGTON-PARSONS, TENNESSEE AL-10185 (FAA) 20282

WAAS CH 90116 W01A	APP CRS 013°	Rwy ldg 6000 TDZE 467 Apt Elev 488

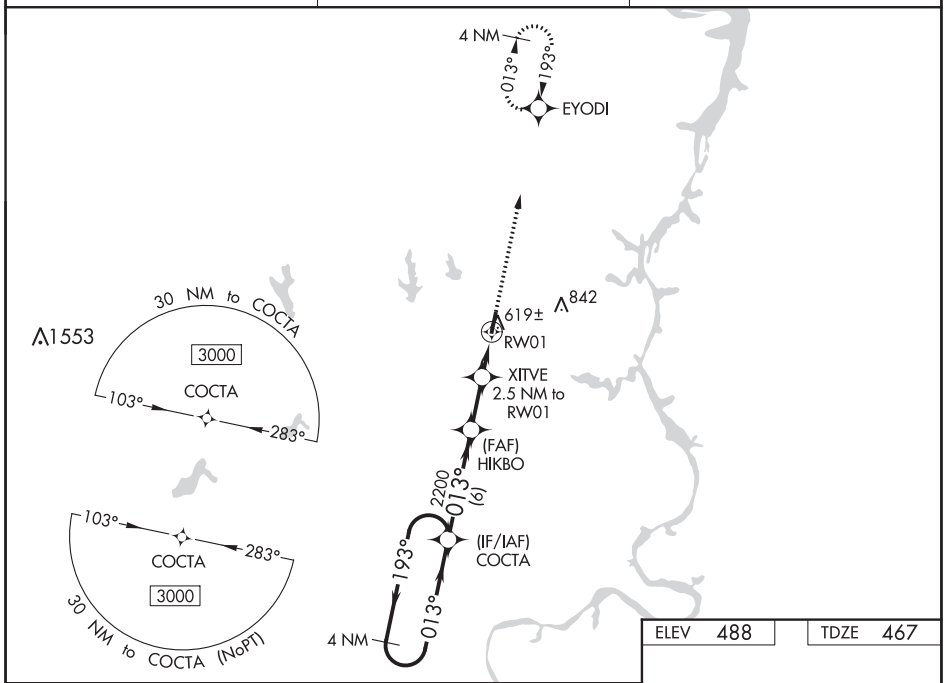
RNAV (GPS) RWY 1
BEECH RIVER RGNL (PVE)

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 Jackson altimeter setting: increase LPV all Cats DA to 807 and all Cats visibility ⅜ mile; increase LNAV/VNAV all Cats DA to 911 and all Cats visibility ⅜ mile; increase all MDA 100 feet and LNAV Cats C/D and Circling Cat C visibility ¼ mile and Circling Cat D visibility ½ mile. Baro-VNAV and VDP NA when using Jackson altimeter setting.

MISSED APPROACH: Climb to 3000 direct EYODI and hold.

AWOS-3	MEMPHIS CENTER	UNICOM
118.125	125.85 379.25	123.0 (CTAF) L

08 OCT 2020 to 05 NOV 2020

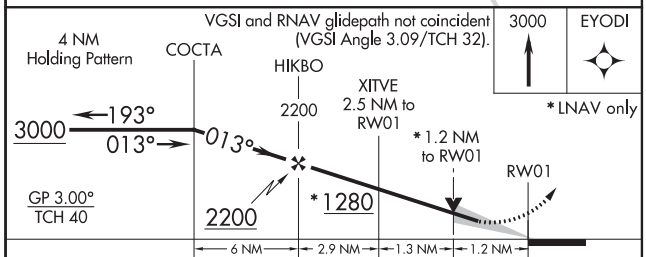


08 OCT 2020 to 05 NOV 2020

VGSI and RNAV glidepath not coincident (VGSI Angle 3.09/TCH 32).

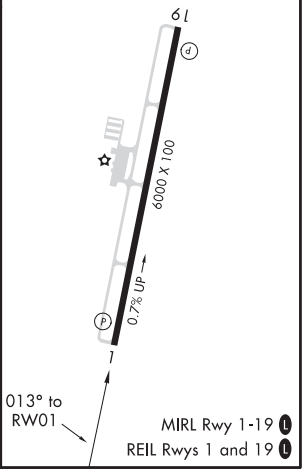
3000 EYODI

* LNAV only



CATEGORY	A	B	C	D
LPV DA	717-⅞ 250 (300-⅞)			
LNAV/VNAV DA	821-1¼ 354 (400-1¼)			
LNAV MDA	880-1 413 (400-1)		880-1⅛ 413 (400-1⅛)	
C CIRCLING	940-1 452 (500-1)	980-1 492 (500-1)	1000-1½ 512 (600-1½)	1200-2¼ 712 (800-2¼)

ELEV 488 TDZE 467



MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

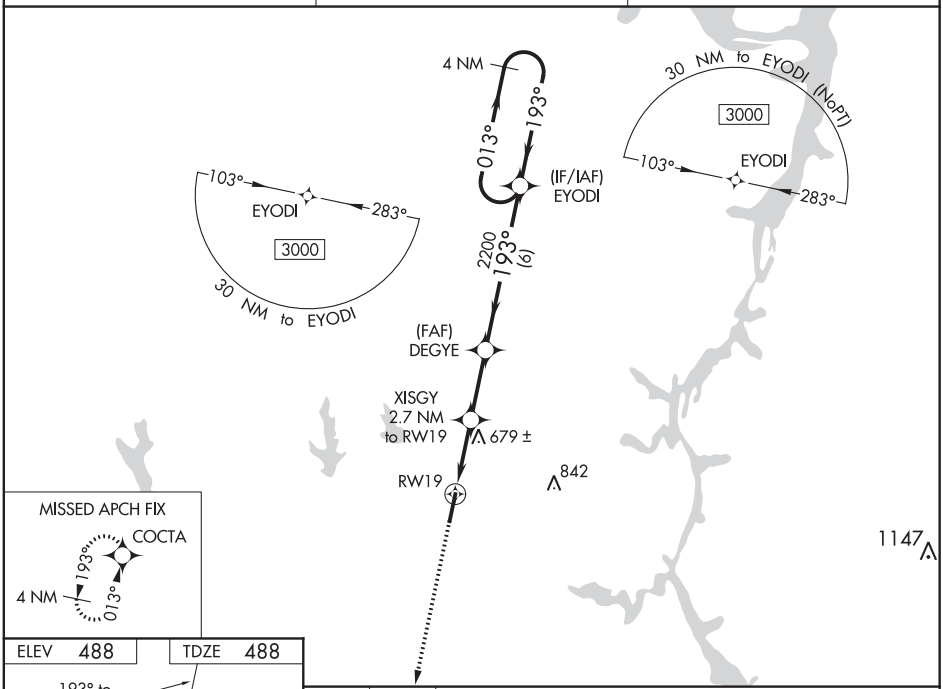
WAAS CH 97316 W19A	APP CRS 193°	Rwy ldg 6000 TDZE 488 Apt Elev 488

RNAV (GPS) RWY 19
BEECH RIVER RGNL (PVE)

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 Jackson altimeter setting: increase LPV all Cats DA to 828 and all Cats visibility ¼ mile; increase LNAV/VNAV all Cats DA to 890 and all Cats visibility ⅜ mile; increase all MDA 100 feet and LNAV Cats C/D and Circling Cat C visibility ¼ mile and Circling Cat D visibility ½ mile. VDP and Baro-VNAV NA when using Jackson altimeter setting.

MISSED APPROACH: Climb to 3000 direct COCTA and hold.

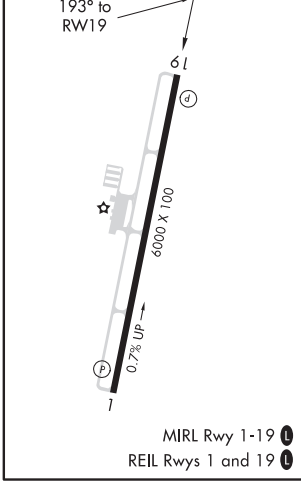
AWOS-3	MEMPHIS CENTER	UNICOM
118.125	125.85 379.25	123.0 (CTAF) L

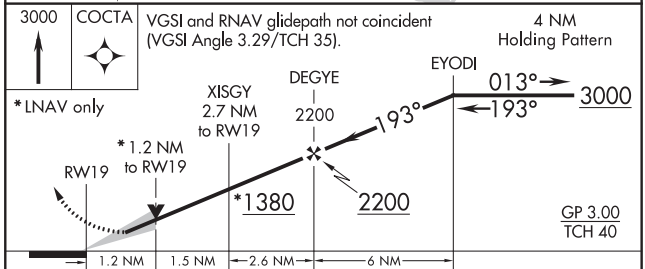


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 488	TDZE 488





CATEGORY		A	B	C	D
LPV	DA	738-⅞ 250 (300-⅞)			
LNAV/VNAV	DA	800-1 312 (400-1)			
LNAV	MDA	940-1 452 (500-1)		940-1⅜ 452 (500-1⅜)	
C CIRCLING		940-1 452 (500-1)	980-1 492 (500-1)	1000-1½ 512 (600-1½)	1200-2¼ 712 (800-2¼)

LUMBERTON, NORTH CAROLINA AL-800 (FAA) 20282

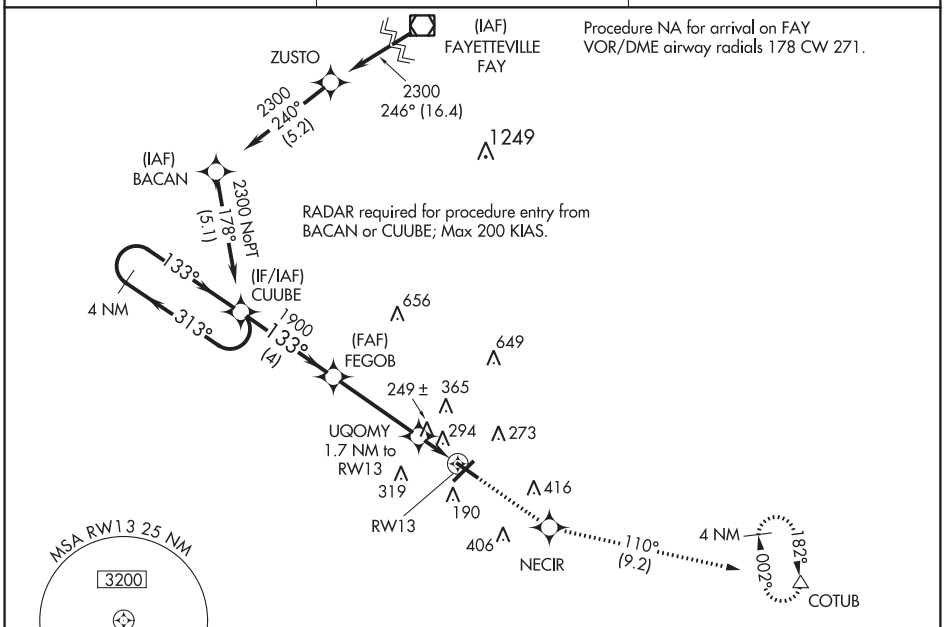
WAAS CH 61221 W13A	APP CRS 133°	Rwy ldg 5003 TDZE 125 Apt Elev 125

RNAV (GPS) RWY 13
LUMBERTON RGNL (LBT)

DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received use Maxton altimeter setting and increase all MDA 60 feet; increase LP Cat C visibility ¼ mile and LNAV Cat C visibility ⅛ mile. Rwy 13 Straight-in and Circling and Circling to Rwy 31 NA at night.

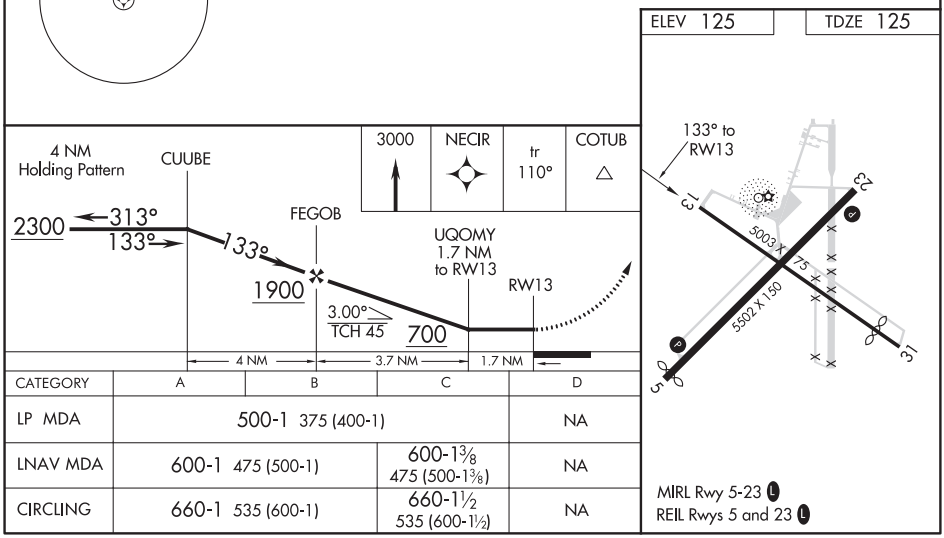
MISSED APPROACH: Climb to 3000 direct NECIR and on track 110° to COTUB and hold.

ASOS	FAYETTEVILLE APP CON	UNICOM
134.775	133.0 290.25	122.8 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LP MDA	500-1 375 (400-1)			NA
LNAV MDA	600-1 475 (500-1)		600-1⅜ 475 (500-1⅜)	NA
CIRCLING	660-1 535 (600-1)		660-1½ 535 (600-1½)	NA

MIRL Rwy 5-23 L
REIL Rwys 5 and 23 L

LUMBERTON, NORTH CAROLINA 34°37′N-79°04′W LUMBERTON RGNL (LBT)
Orig-B 11DEC14

RNAV (GPS) RWY 13

VORTAC MSN	APP CRS	Rwy ldg	N/A
108.6	106°	TDZE	N/A
Chan 23		Apt Elev	920

VOR or GPS-A
BLACKHAWK AIRFIELD (87Y)

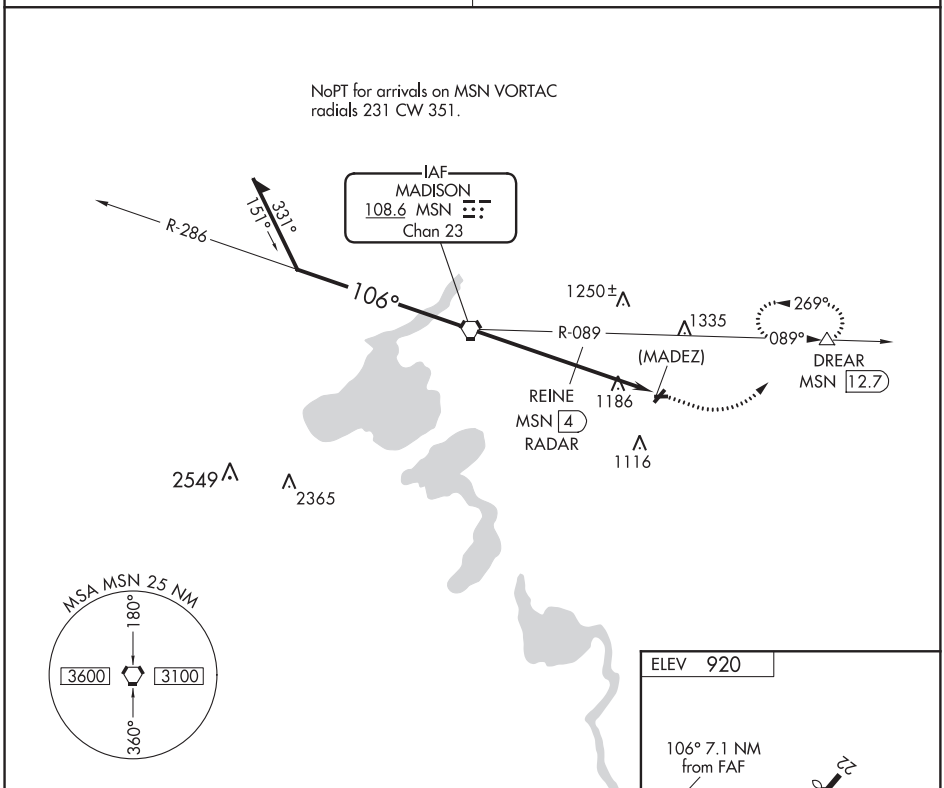
NA

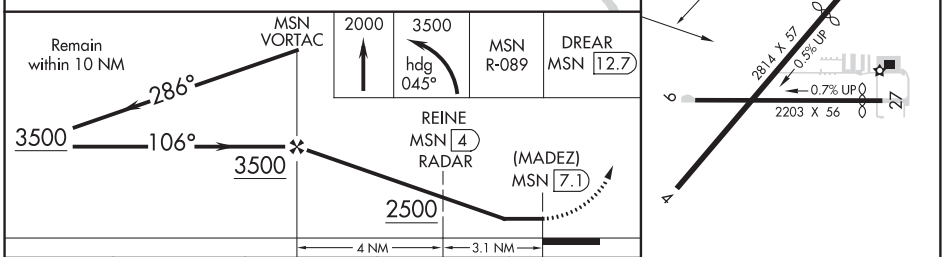
Use Dane County Truax Field altimeter setting.
DME required.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3500 via heading 045° and MSN R-089 to DREAR/MSN 12.7 DME and hold.

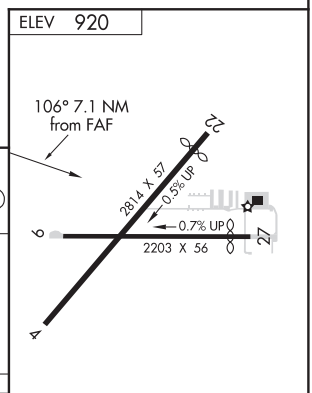
MADISON APP CON ★	UNICOM
120.1 343.7	122.7 (CTAF)

08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
C CIRCLING	2500-1¼ 1580 (1600-1¼)	2500-1½ 1580 (1600-1½)	NA	
REINE FIX MINIMUMS				
C CIRCLING	1520-1 600 (600-1)	1560-1 640 (700-1)	NA	



FAF to MAP 7.1 NM					
Knots	60	90	120	150	180
Min:Sec	7:06	4:44	3:33	2:50	2:22

MANCHESTER, NEW HAMPSHIRE AL-246 (FAA) 20282

LOC/DME I-MNA	APP CRS	Rwy ldg	8914
109.1	172°	TDZE	229
Chan 28		Apt Elev	266

ILS or LOC RWY 17
MANCHESTER (MHT)

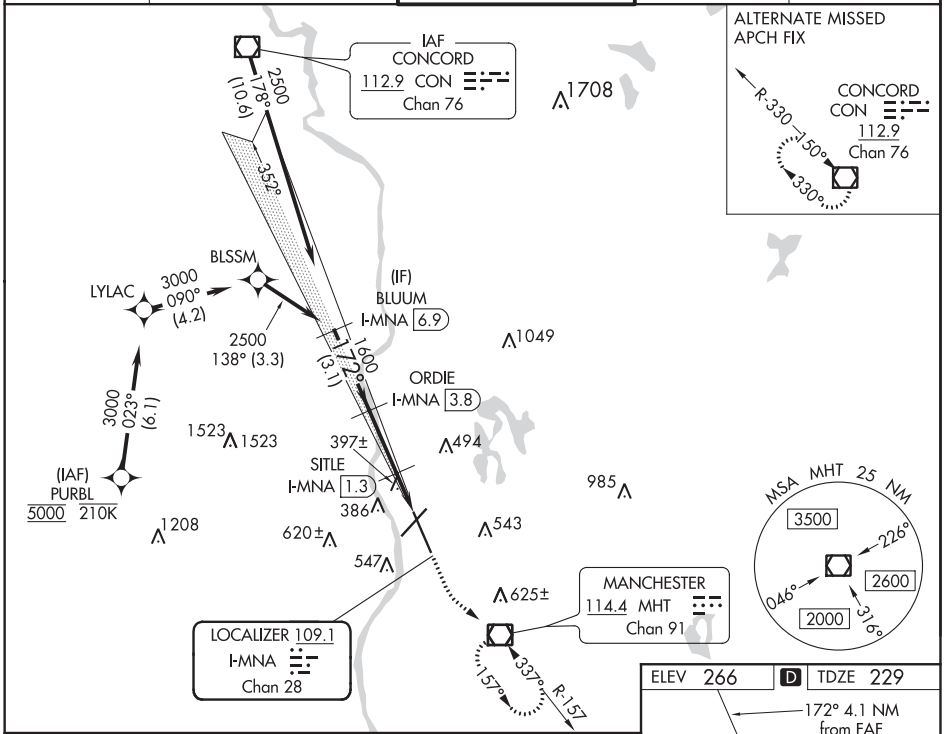
DME required.
From PURBL: RNAV 1-GPS required.

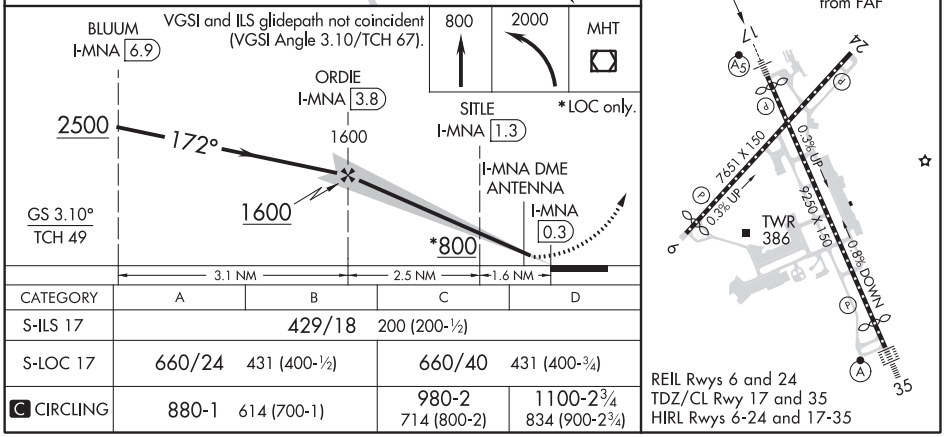
MALSR

MISSED APPROACH: Climb to 800 then climbing left turn to 2000 direct MHT VOR/DME and hold.

ATIS	BOSTON APP CON	MANCHESTER TOWER	GND CON	CLNC DEL
119.55	124.9 269.075	121.3 239.025	121.9	135.9

08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
S-ILS 17	429/18 200 (200-½)			
S-LOC 17	660/24 431 (400-½)		660/40 431 (400-¾)	
C CIRCLING	880-1 614 (700-1)		980-2 714 (800-2)	1100-2¾ 834 (900-2¾)

APP CRS	Rwy ldg	2927
069°	TDZE	82
	Apt Elev	86

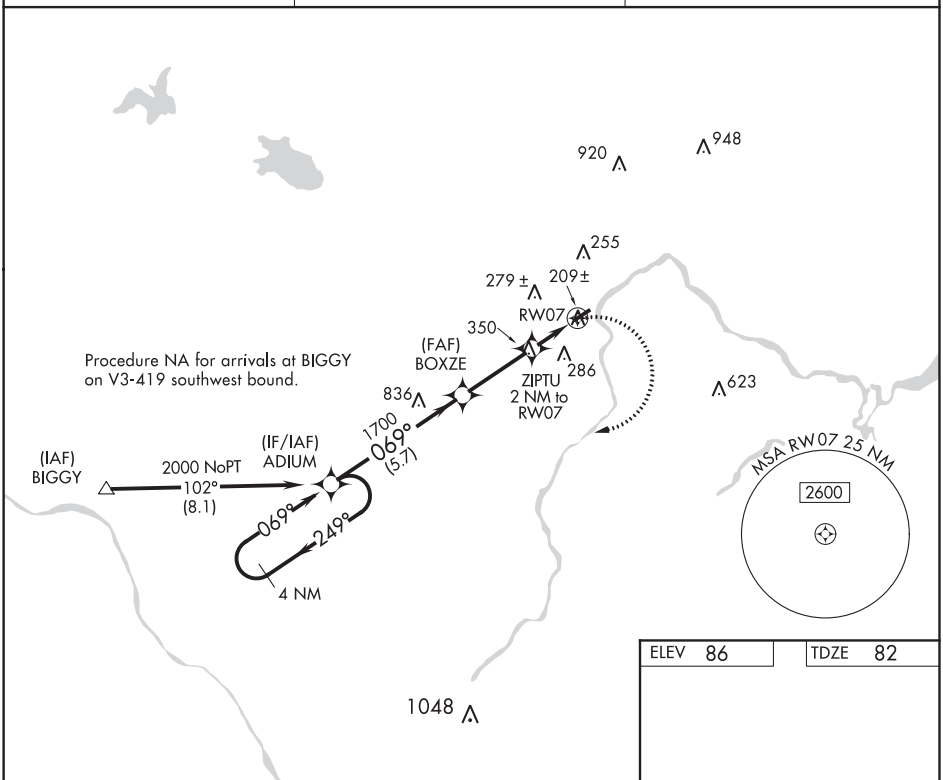
RNAV (GPS) RWY 7
CENTRAL JERSEY RGNL (47N)

RNP APCH.

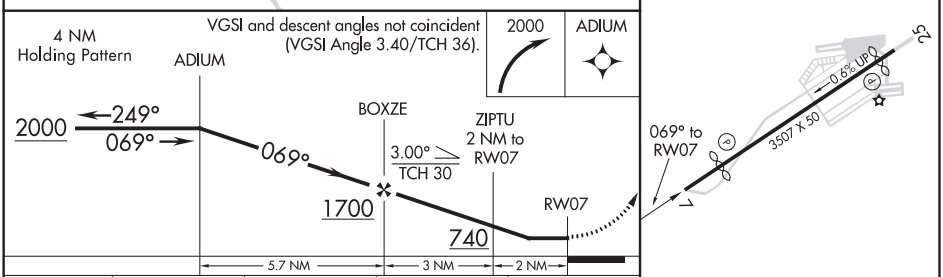
T A NA Procedure NA at night. Use Trenton altimeter setting; when not received, use Newark altimeter setting, and increase all MDAs 20 feet. Rwy 7 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 2000 direct ADIUM and hold.

TTN ASOS	NEW YORK APP CON	UNICOM
126.775	132.8 379.9	122.7 (CTAF)



ELEV 86	TDZE 82



CATEGORY	A	B	C	D
LNAV MDA	580-1 498 (500-1)		580-1⅜ 498 (500-1⅜)	NA
C CIRCLING	620-1 534 (600-1)	700-1 614 (700-1)	700-1¾ 614 (700-1¾)	NA

LIRL Rwy 7-25

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

MCCOMB, MISSISSIPPI

AL-5753 (FAA)

20282

VOR/DME-A

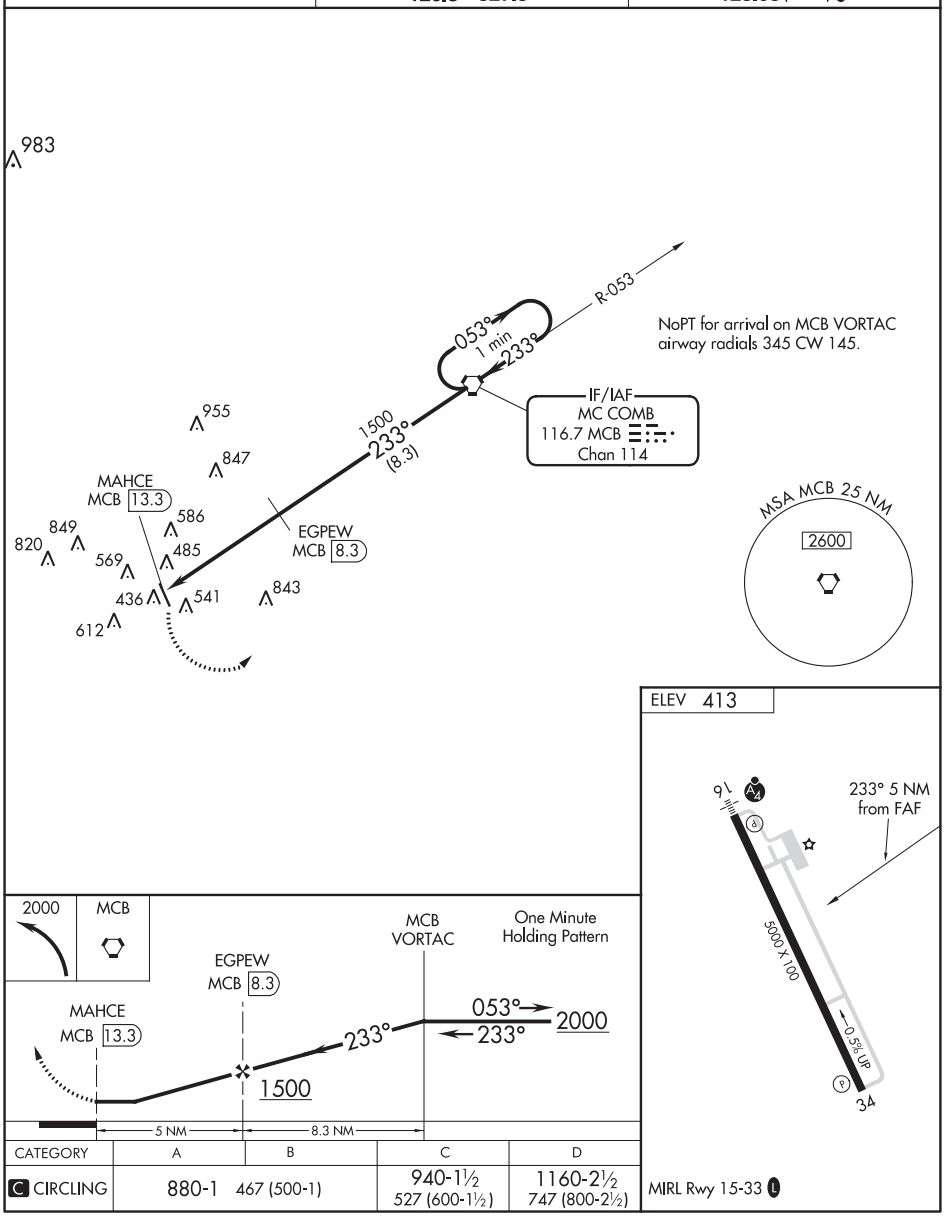
MC COMB/PIKE COUNTY/JOHN E LEWIS FIELD (MCB)

VORTAC MCB	APP CRS	Rwy ldg	N/A
116.7	233°	TDZE	N/A
Chan 114		Apt Elev	413

When local altimeter setting not received, use Natchez altimeter setting and increase MDA 140 feet and Cat C and D visibility ¼ mile.

MISSED APPROACH: Climbing left turn to 2000 direct MCB VORTAC and hold

ASOS	HOUSTON CENTER	UNICOM
119.025	126.8 327.8	123.05 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	880-1 467 (500-1)		940-1½ 527 (600-1½)	1160-2½ 747 (800-2½)

MIRL Rwy 15-33 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	N/A
209°	TDZE	N/A
	Apt Elev	430

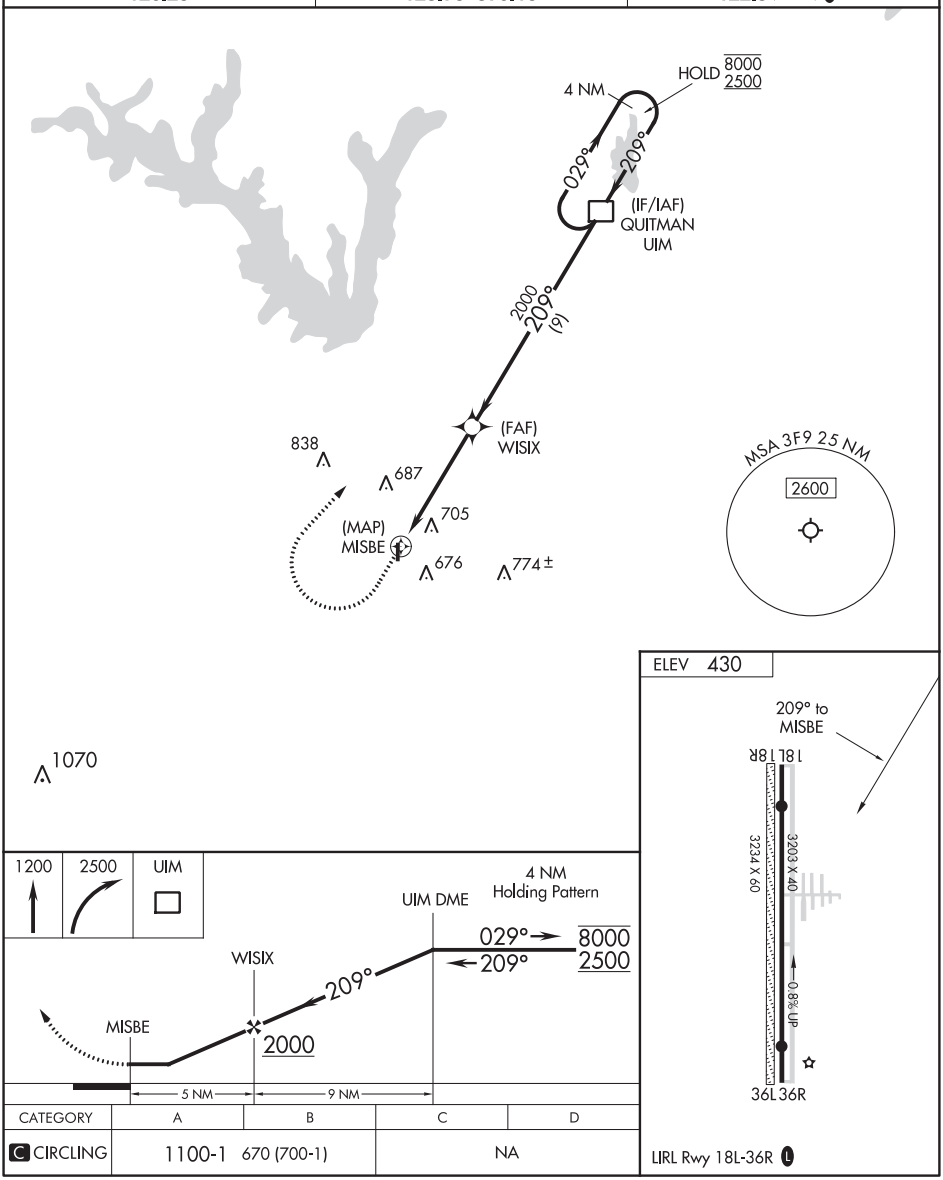
RNAV (GPS)-A
MINEOLA WISENER FIELD (3F9)

RNP APCH.

T NA Circling NA to Rwys 18R and 36L. Procedure NA at night. Use Tyler altimeter setting.

MISSED APPROACH: Climb to 1200 then climbing right turn to 2500 direct UIM DME and hold.

TYR ASOS	LONGVIEW APP CON★	UNICOM
126.25	128.75 379.15	122.8 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	1100-1 670 (700-1)		NA	

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

MONROE, LOUISIANA

AL-270 (FAA)

20282

ILS or LOC RWY 4
MONROE RGNL (MLU)

LOC I-MLU	APP CRS	Rwy ldg	7505
109.5	042°	TDZE	78
		Apt Elev	79

ADF or DME required for procedure entry.

Circling Rwy 14 NA at night. For inop ALS, increase S-LOC 4 Cat C/D visibility to 1⅜ SM.

UXGOY FIX MINIMUMS: For inop ALS, increase S-LOC 4 Cat C/D visibility to RVR 5500.

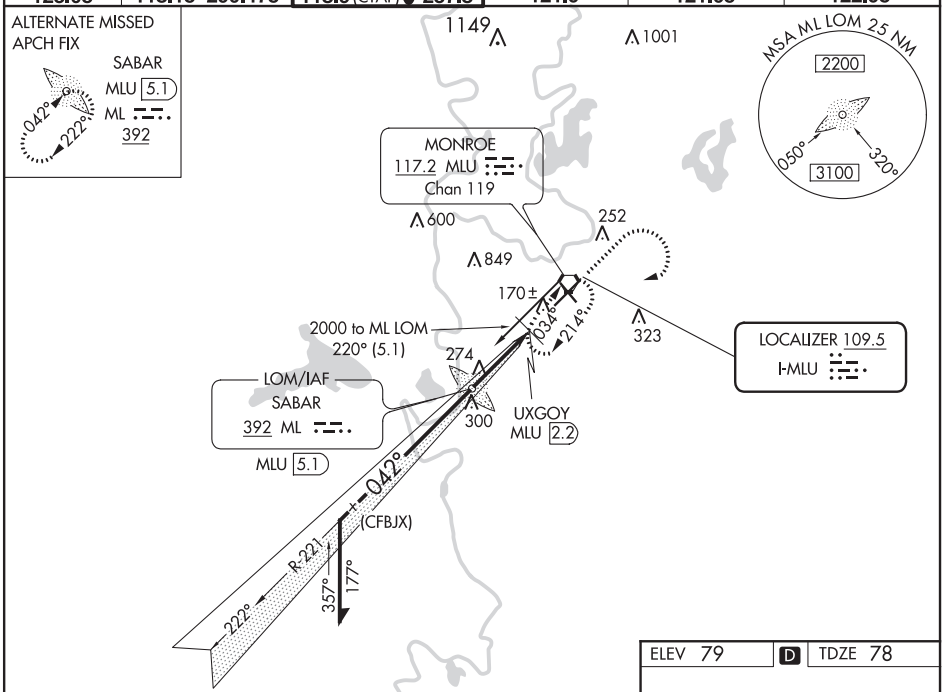
ASR **RVR 1800 authorized with the use of FD or AP or HUD to DA.

DME from MLU VORTAC.

MALSR A5

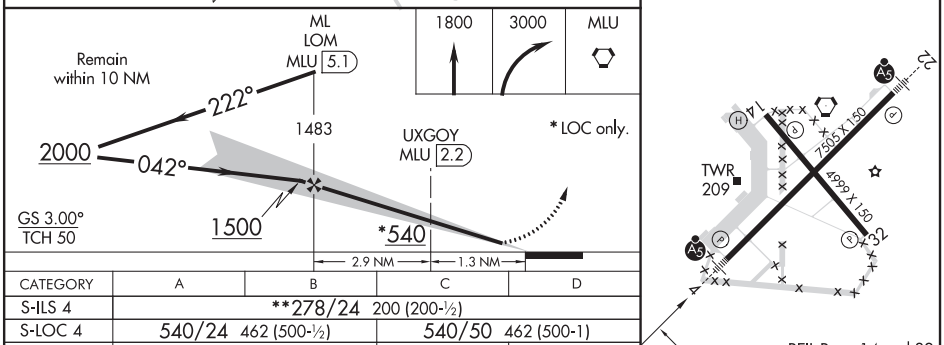
MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct MLU VORTAC and hold.

ATIS	MONROE APP CON *		MONROE TOWER *		GND CON	CLNC DEL	UNICOM
125.05	118.15	290.475	118.9 (CTAF) L	257.8	121.9	121.65	122.95



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 L

CATEGORY	A	B	C	D
S-ILS 4	**278/24 200 (200-½)			
S-LOC 4	540/24 462 (500-½)		540/50 462 (500-1)	
C CIRCLING	580-1 501 (600-1)		740-1¾ 661(700-1¾)	1160-3 1081 (1100-3)
# UXGOY FIX MINIMUMS				
S-LOC 4	420/24 342 (400-½)		420/30 342 (400-⅝)	
C CIRCLING	580-1 501 (600-1)		740-1¾ 661 (700-1¾)	1160-3 1081 (1100-3)

FAF to MAP 4.2 NM

Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

ILS or LOC RWY 22
MONROE RGNL (MLU)

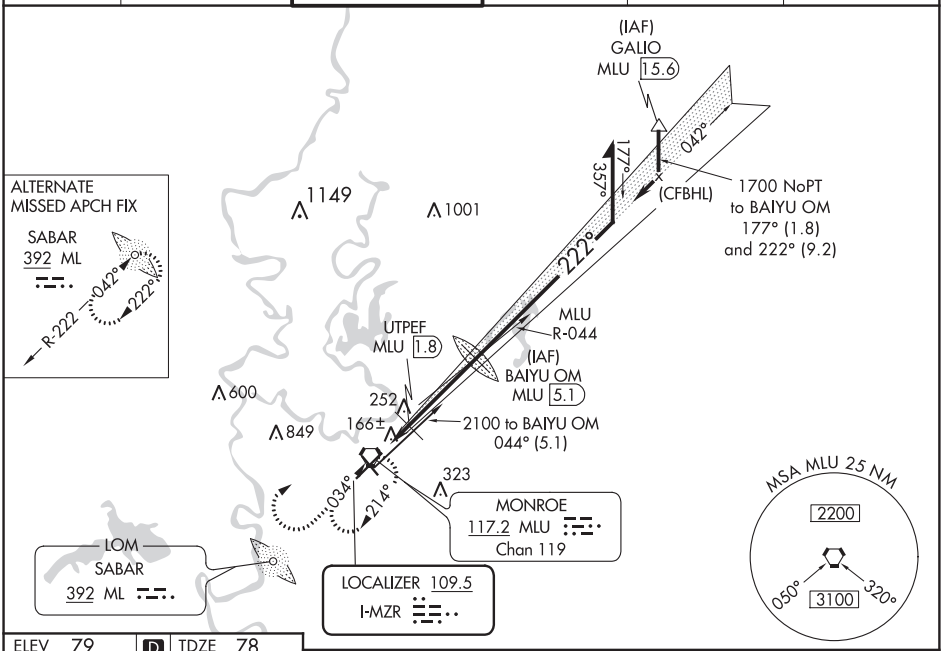
LOC I-MZR	APP CRS	Rwy ldg	7505
109.5	222°	TDZE	78
		Apt Elev	79

DME or RADAR required for procedure entry.
Circling Rwy 14 NA at night.
DME from MLU VORTAC.
ASR

MALSR

MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct MLU VORTAC and hold.

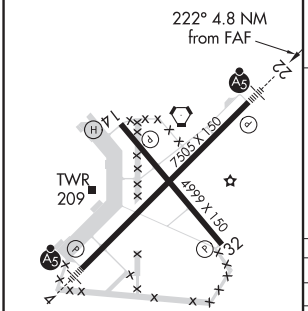
ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95



08 OCT 2020 to 05 NOV 2020

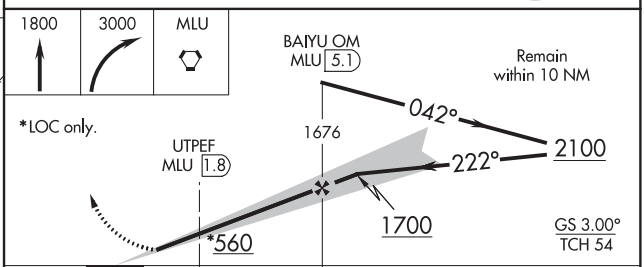
08 OCT 2020 to 05 NOV 2020

ELEV 79 | D | TDZE 78



REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 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



CATEGORY	A	B	C	D
S-ILS 22	278-½ 200 (200-½)			
S-LOC 22	560-½ 482 (500-½)		560-1 482 (500-1)	
CIRCLING	580-1 501 (600-1)		620-1½ 541 (600-1½)	640-2 561 (600-2)
# UTPEF FIX MINIMUMS				
S-LOC 22	420-½ 342 (400-½)		420-⅝ 342 (400-⅝)	
CIRCLING	580-1 501 (600-1)		620-1½ 541 (600-1½)	640-2 561 (600-2)

MONROE, LOUISIANA

AL-270 (FAA)

20282

RNAV (GPS) RWY 4
MONROE RGNL (MLU)

WAAS CH 56410 W04A	APP CRS 042°	Rwy ldg 7505 TDZE 78 Apt Elev 79

RNP APCH.

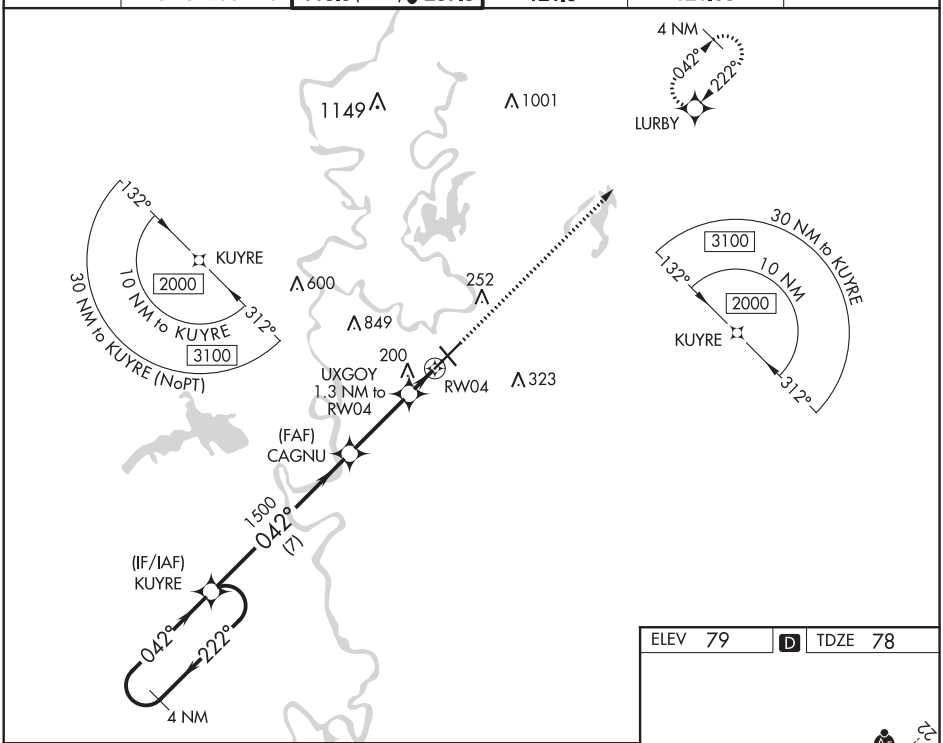
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4500. Circling Rwy 14 NA at night.
** RVR 1800 authorized with use of FD or AP or HUD to DA.

ASR

MALSR

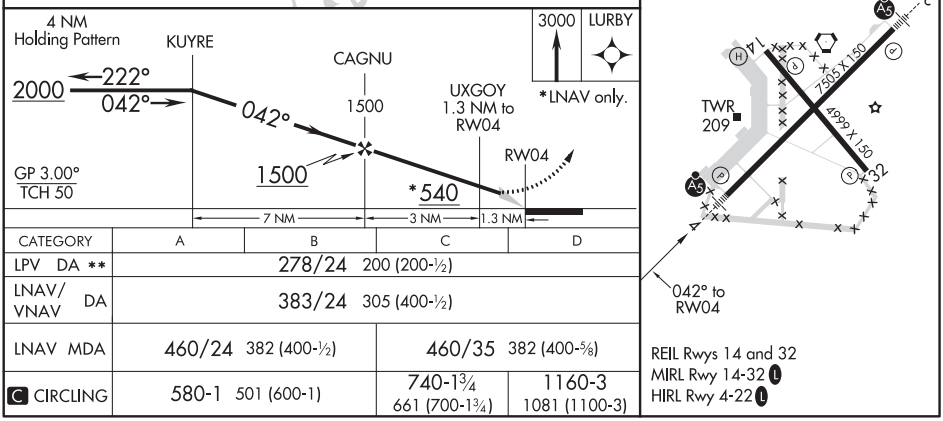
MISSED APPROACH: Climb to 3000 direct LURBY and hold.

ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA **	278/24 200 (200-½)			
LNAV/VNAV DA	383/24 305 (400-½)			
LNAV MDA	460/24 382 (400-½)		460/35 382 (400-⅝)	
C CIRCLING	580-1 501 (600-1)		740-1¾ 661 (700-1¾)	1160-3 1081 (1100-3)

REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 L

WAAS CH 90542 W14A	APP CRS 137°	Rwy ldg 4999 TDZE 79 Apt Elev 79

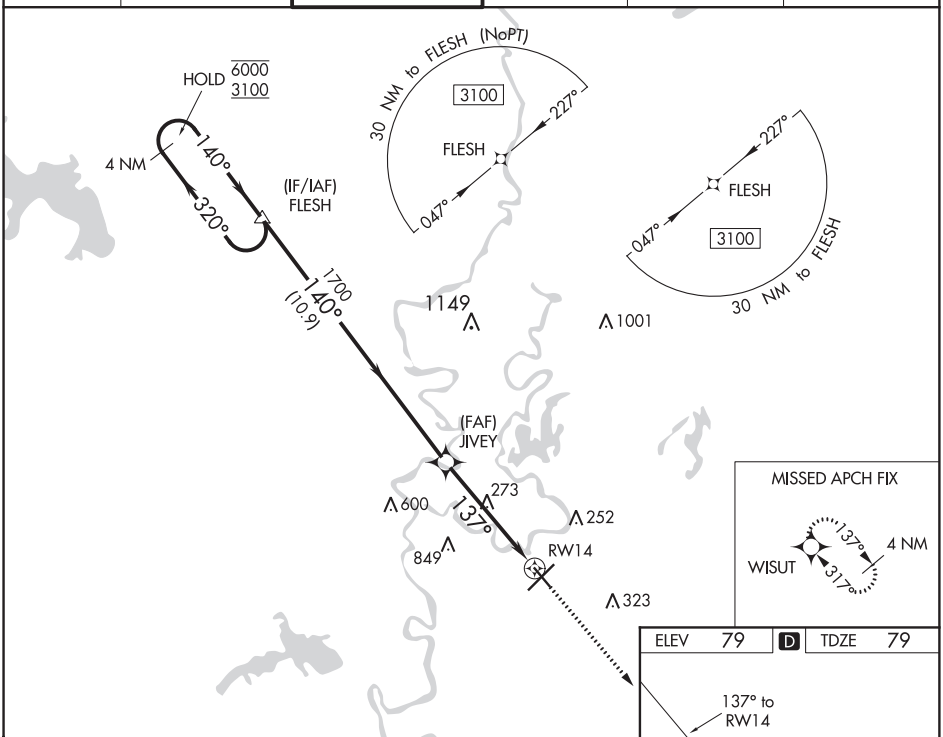
RNAV (GPS) RWY 14
MONROE RGNL (MLU)

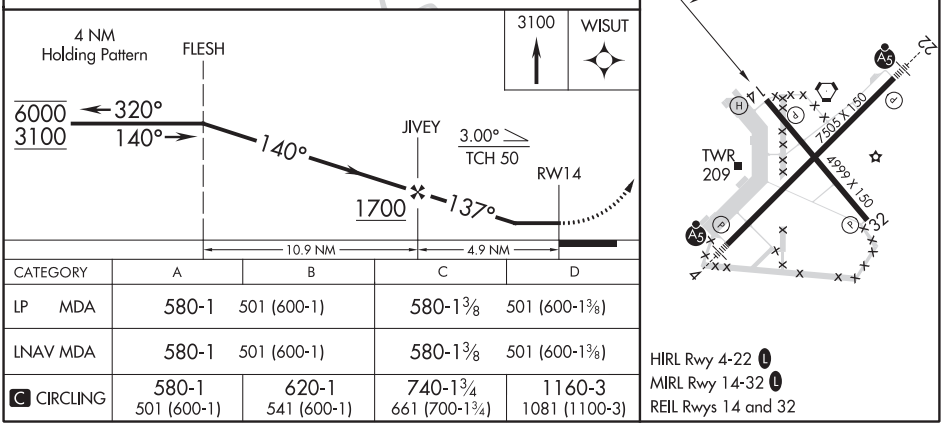
RNP APCH.

Rwy 14 helicopter visibility reduction below 1 SM NA.
Straight-In and Circling Rwy 14 NA at night.

MISSED APPROACH: Climb to 3100 direct WISUT and hold. Continue climb-in-hold to 3100.

ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95





CATEGORY	A	B	C	D
LP MDA	580-1 501 (600-1)		580-1⅜ 501 (600-1⅜)	
LNAV MDA	580-1 501 (600-1)		580-1⅜ 501 (600-1⅜)	
C CIRCLING	580-1 501 (600-1)	620-1 541 (600-1)	740-1¾ 661 (700-1¾)	1160-3 1081 (1100-3)

HIRL Rwy 4-22 L
MIRL Rwy 14-32 L
REIL Rwys 14 and 32

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

MONROE, LOUISIANA | AL-270 (FAA) | 20282

RNAV (GPS) RWY 22
MONROE RGNL (MLU)

WAAS CH 70510 W22A	APP CRS 222°	Rwy ldg 7505 TDZE 78 Apt Elev 79

T ASR — 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. Circling Rwy 14 NA at night. Rwy 14 Helicopter visibility reduction below 1 SM not authorized.

MALSR A5

MISSED APPROACH: Climb to 3000 direct KUYRE and hold.

ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95

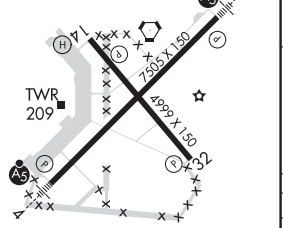
08 OCT 2020 to 05 NOV 2020

30 NM to LURBY (NoPT)
3100
25 NM to LURBY
2000
132°
312°
LURBY
1149
1001
4 NM
042°
222°
(IF/IAF) LURBY
1700
222°
(7)
(FAF) IBECI
252
229
UTPEF
1.4 NM to RW22
RW22
600
849
323
30 NM to LURBY
2200
3100

MISSED APCH FIX
KUYRE
042°
222°
4 NM

ELEV 79 | D | TDZE 78

222° to RW22



REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 L

KUYRE 3000

*LNAV only.

LURBY
4 NM Holding Pattern
042°
222°
2000
IBECI
1700
222°
1700
UTPEF 1.4 NM to RW22
RW22
*560
GP 3.00°
TCH 54
1.4 NM | 3.5 NM | 7 NM

CATEGORY	A	B	C	D
LPV DA	278-½ 200 (200-½)			
LNAV/VNAV DA	393-½ 315 (400-½)			
LNAV MDA	520-½ 442 (500-½)		520-¾ 442 (500-¾)	
CIRCLING	580-1 501 (600-1)		620-1½ 541 (600-1½)	640-2 561 (600-2)

RNAV (GPS) RWY 32
MONROE RGNL (MLU)

WAAS CH 56428 W32A	APP CRS 317°	Rwy ldg 4999 TDZE 78 Apt Elev 79

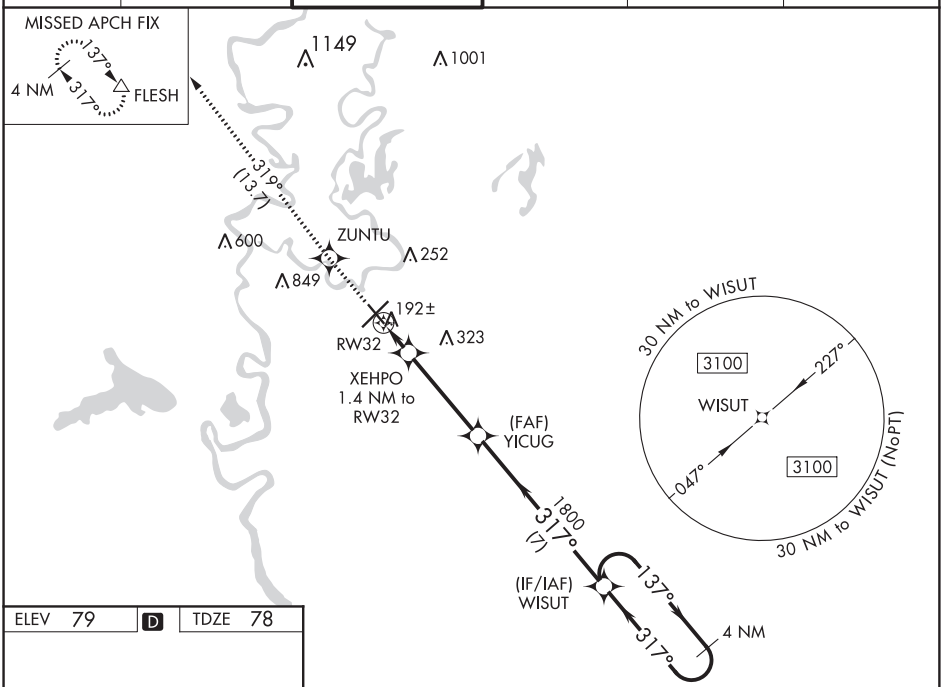
RNP APCH.

T
A
ASR

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 43°C. Circling Rwy 14 NA at night.

MISSED APPROACH: Climb to 3000 direct ZUNTU on track 319° to FLESH and hold.

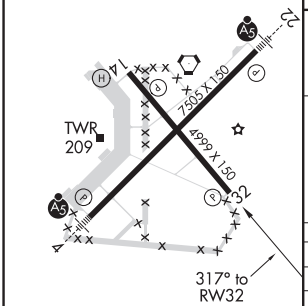
ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95



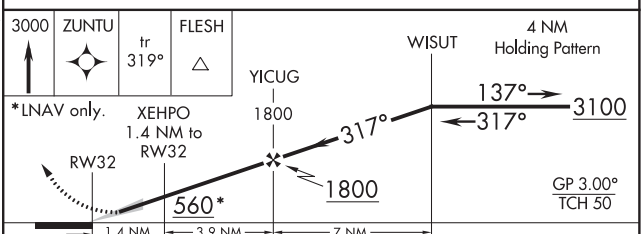
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 79	D	TDZE 78



REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 L



CATEGORY		A	B	C	D
LPV	DA	328-1 250 (300-1)			
LNAV/VNAV	DA	356-1 278 (300-1)			
LNAV	MDA	460-1 382 (400-1)		460-1⅛ 382 (400-1⅛)	
C CIRCLING		580-1 501 (600-1)		740-1¾ 661 (700-1¾)	1160-3 1081 (1100-3)

MONROE, LOUISIANA

AL-270 (FAA)

20282

VOR/DME RWY 4

MONROE RGNL (MLU)

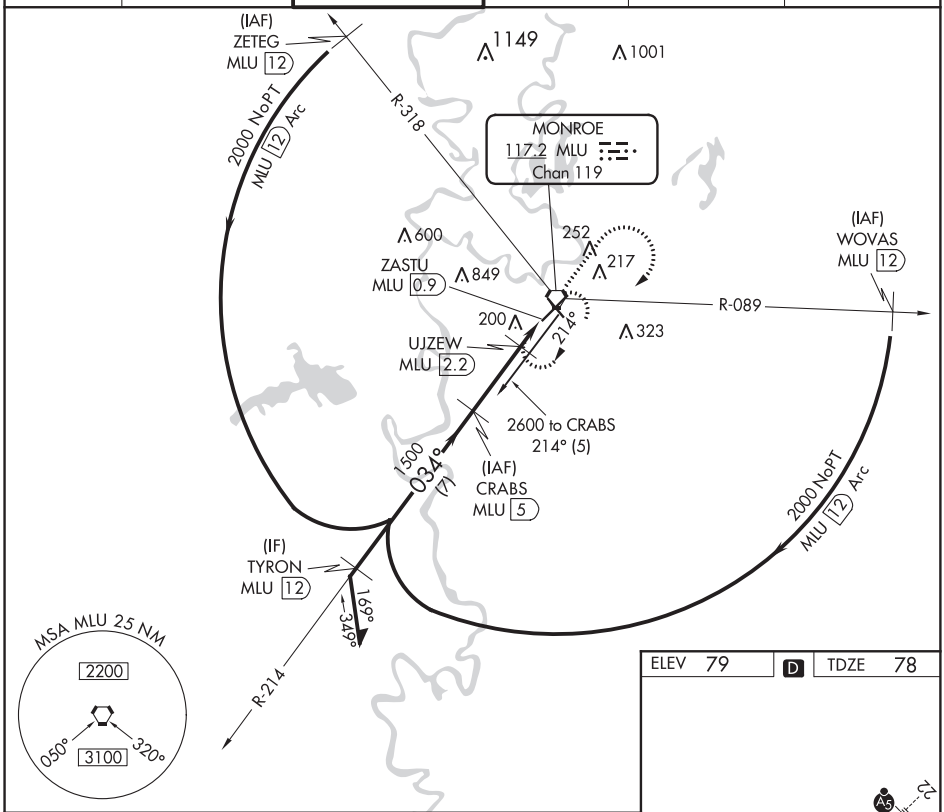
VORTAC MLU 117.2 Chan 119	APP CRS 034°	Rwy ldg 7505 TDZE 78 Apt Elev 79

T A ASR — Circling to Rwy 14 NA at night.

MALSR A5

MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct MLU VORTAC and hold, continue climb-in-hold to 3000.

ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

Remain within 10 NM

2600

214° — CRABS MLU 5

034° — 1500

UJZEW MLU 2.2

ZASTU MLU 0.9

MLU VORTAC

3.37° TCH 50

580

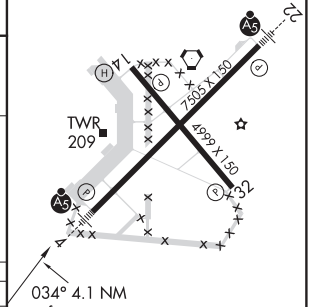
2.8 NM — 1.3 NM

1800 | 3000 | MLU

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 50).

CATEGORY	A	B	C	D
S-4	460/24 382 (400-½)		460/40 382 (400-¾)	
C CIRCLING	580-1 501 (600-1)	620-1 541 (600-1)	740-1¾ 661 (700-1¾)	1160-3 1081 (1100-3)

ELEV 79 | D | TDZE 78



034° 4.1 NM from FAF

REIL Rwys 14 and 32

MIRL Rwy 14-32 L

HIRL Rwy 4-22 L

MONROE, LOUISIANA

Amdt 3A 16OCT14

32°31′ N-92°02′ W

MONROE RGNL (MLU)

VOR/DME RWY 4

VOR/DME RWY 22
MONROE RGNL (MLU)

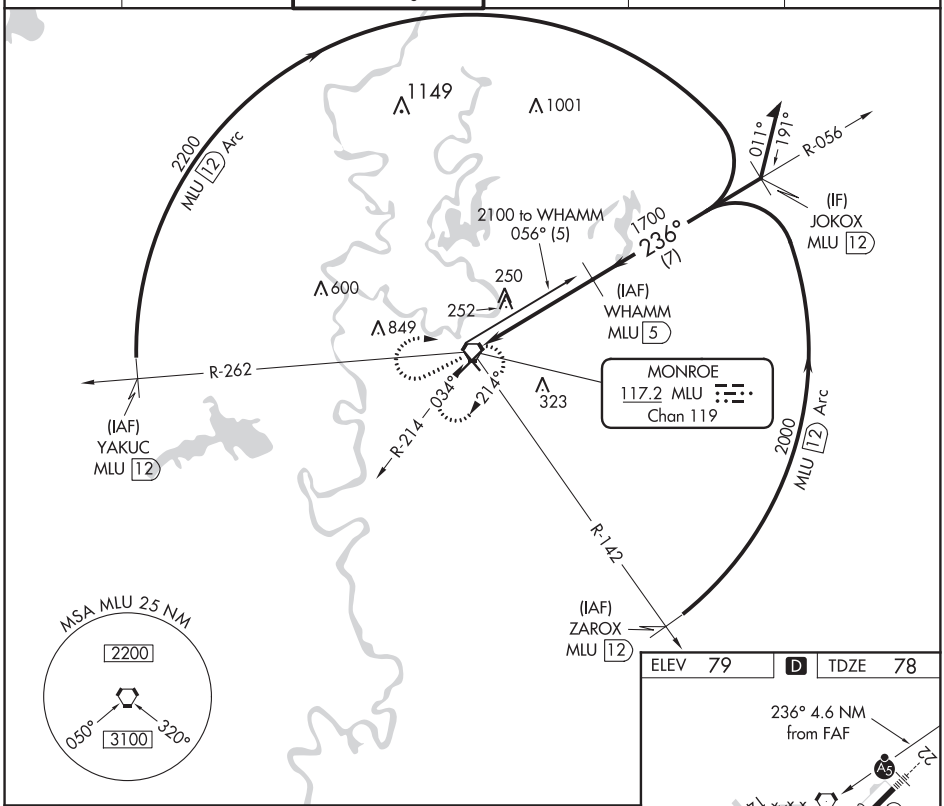
VORTAC MLU	APP CRS	Rwy ldg	7505
117.2	236°	TDZE	78
Chan 119		Apt Elev	79

ASR: For inop MALSR, increase S-22 Cats A and B visibility to 1 mile. Rwy 22 helicopter visibility reduction below ¾SM NA. Circling Rwy 14 NA at night.

MALSR

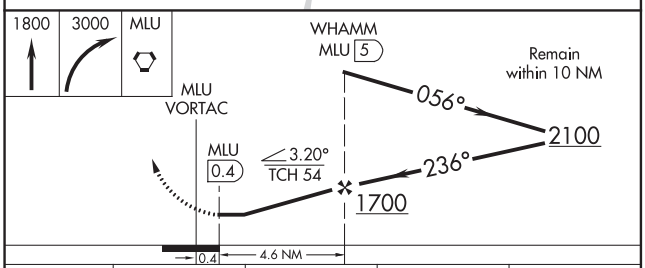
MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct MLU VORTAC and hold.

ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95



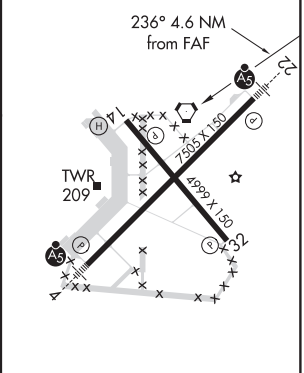
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-22	560-¾ 482 (500-¾)		560-1 482 (500-1)	
CIRCLING	580-1 501 (600-1)		620-1½ 541 (600-1½)	640-2 561 (600-2)

ELEV 79 | D | TDZE 78



REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 L

MONROE, LOUISIANA

AL-270 (FAA)

20282

VOR/DME RWY 32

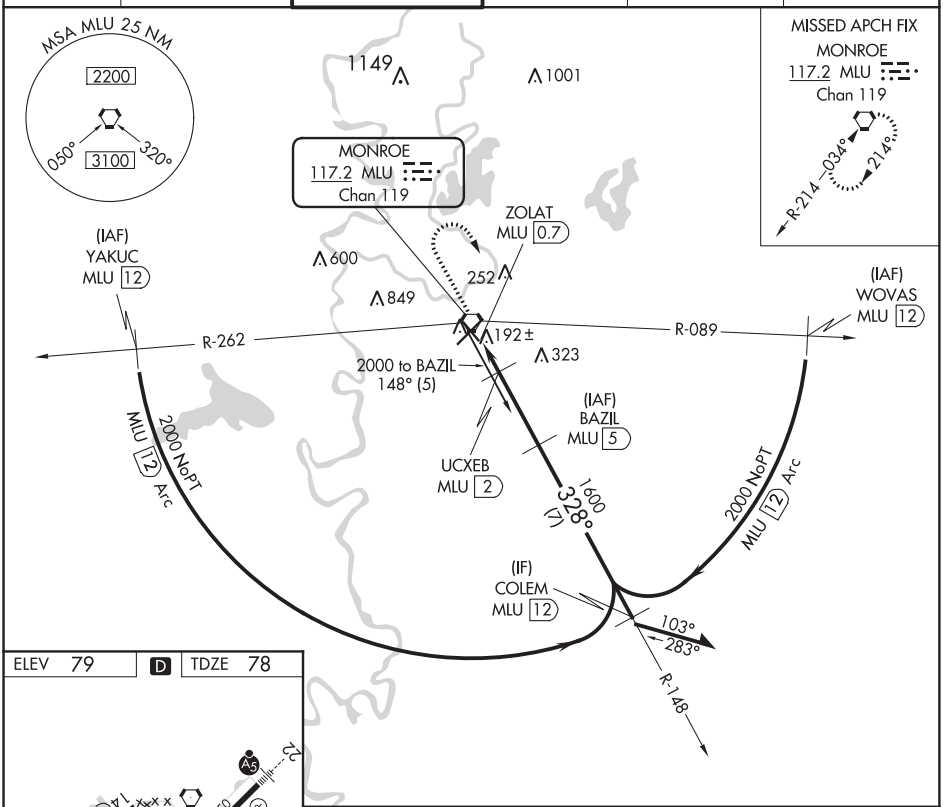
MONROE RGNL (MLU)

VORTAC MLU	APP CRS	Rwy ldg	4999
117.2	328°	TDZE	78
Chan 119		Apt Elev	79

T A ASR — Circling to Rwy 14 NA at night.

MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct MLU VORTAC and hold, continue climb-in-hold to 3000.

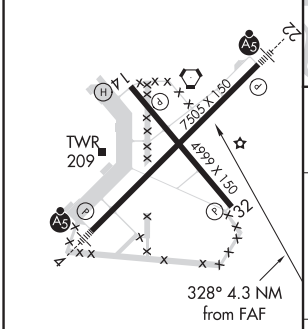
ATIS	MONROE APP CON ★	MONROE TOWER ★	GND CON	CLNC DEL	UNICOM
125.05	118.15 290.475	118.9 (CTAF) L 257.8	121.9	121.65	122.95



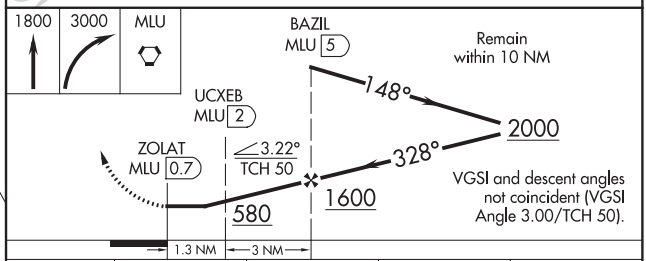
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 79 | D | TDZE 78



REIL Rwys 14 and 32
MIRL Rwy 14-32 L
HIRL Rwy 4-22 L



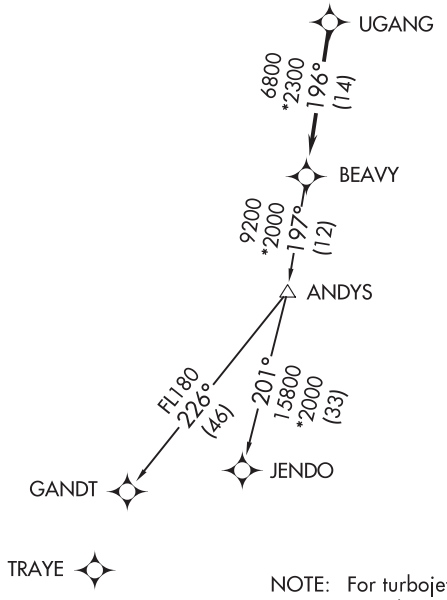
CATEGORY	A	B	C	D
S-32	460-1 382 (400-1)		460-1⅛ 382 (400-1⅛)	
C CIRCLING	580-1 501 (600-1)	620-1 541 (600-1)	740-1¾ 661 (700-1¾)	1160-3 1081 (1100-3)

BEAVY FIVE DEPARTURE (RNAV)

CHARLOTTE-MONROE EXECUTIVE (EQY)
MONROE, NORTH CAROLINA

ASOS
135.775
CLNC DEL
132.55
UNICOM (CTAF)
122.7
CHARLOTTE DEP CON
120.05 307.8

TOP ALTITUDE: 3000



TAKEOFF MINIMUMS
Rwys 5, 23: Standard.

NOTE: For turbojets only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE RADAR required.
NOTE: If unable to accept climb rates, advise ATC on initial contact.
NOTE: Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

Climb on heading assigned by ATC, expect RADAR vectors to UGANG, then on track 196° to BEAVY. Then on assigned transition. Maintain 3000, expect clearance to filed altitude within 10 minutes after departure.

GANDT TRANSITION (BEAVY5.GANDT)
JENDO TRANSITION (BEAVY5.JENDO)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

MONTEZUMA, GEORGIA | AL-6862 (FAA) | 20282

APP CRS	Rwy ldg	5003
005°	TDZE	339
	Apt Elev	345

RNAV (GPS) RWY 36

DR C P SAVAGE SR (53A)

RNP APCH.

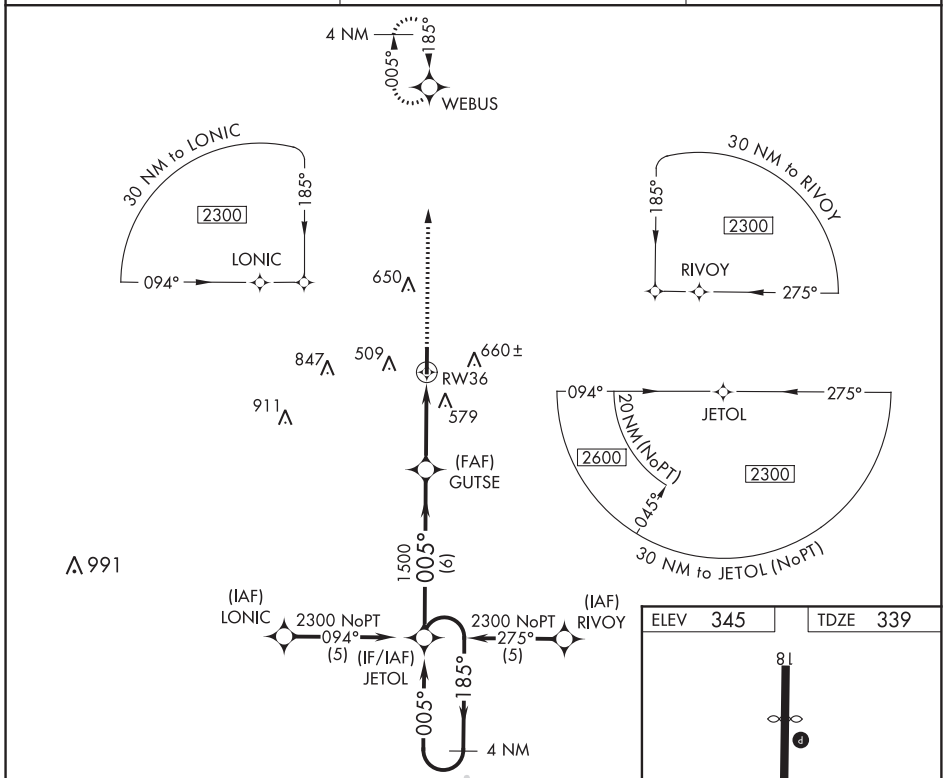
NA

Use Americus altimeter setting, when not received use Macon altimeter setting and increase all MDA 20 feet, increase LNAV Cat C visibility to 1¾. Procedure NA at night. Rwy 36 helicopter visibility reduction below 1 SM NA.

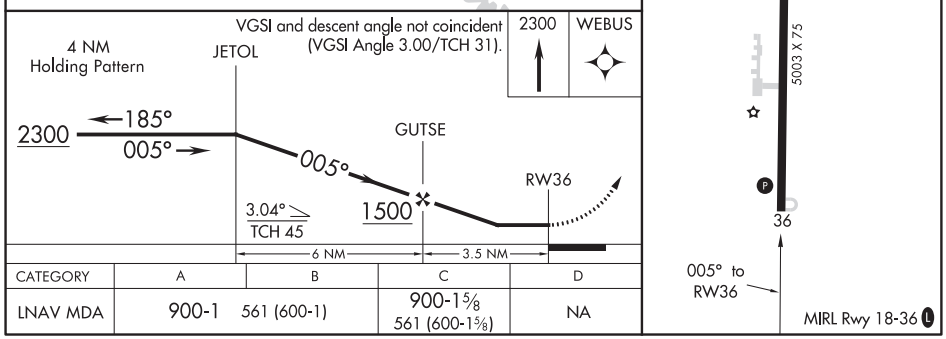
MISSED APPROACH: Climb to 2300 direct WEBUS WP and hold.

ACJ AWOS-3	ATLANTA APP CON ★	CTAF
128.375	124.2 279.6	122.9 L

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	900-1	561 (600-1)	900-1⅝ 561 (600-1⅝)	NA

APP CRS	Rwy ldg	3500
172°	TDZE	1970
	Apt Elev	1970

RNAV (GPS) RWY 17
MOORELAND MUNI (MDF)

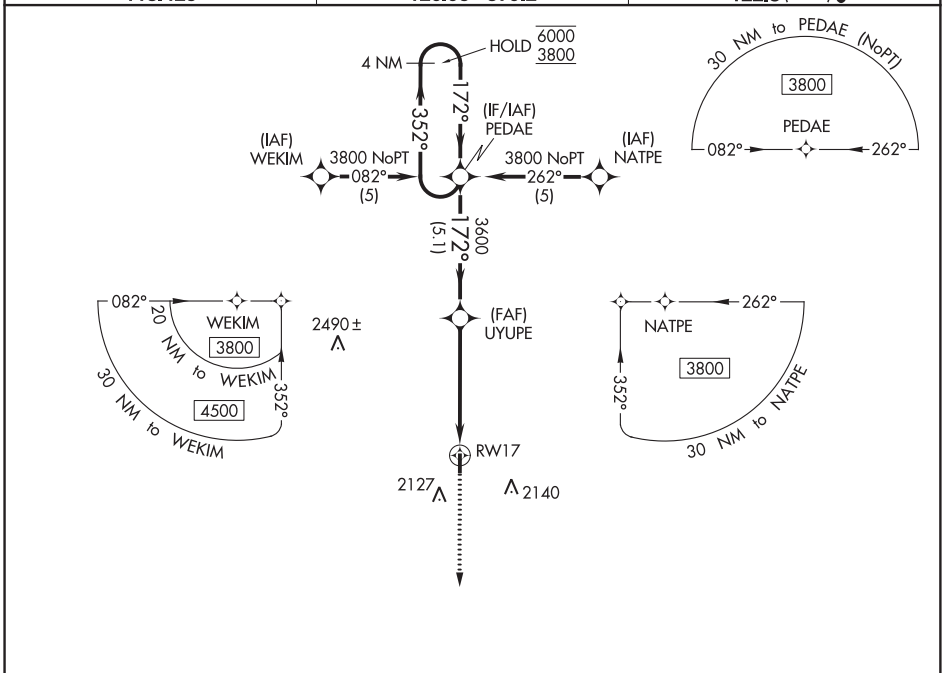
RNP APCH.

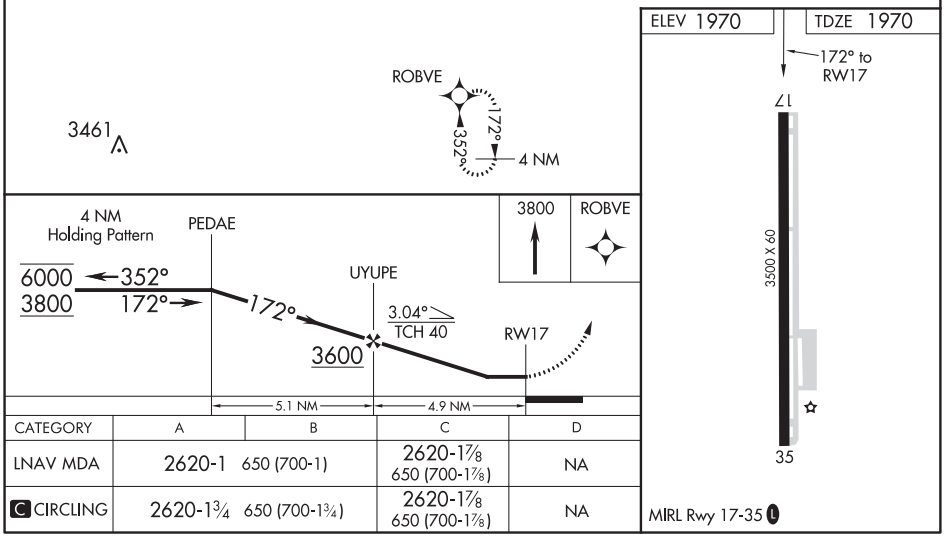
T
A NA

Procedure NA at night. Use West Woodward altimeter setting; when not received, use Gage altimeter setting.

MISSED APPROACH: Climb to 3800 direct ROBVE and hold.

WWR AWOS-3	KANSAS CITY CENTER	UNICOM
118.425	126.95 379.2	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	2620-1 650 (700-1)		2620-1⅞ 650 (700-1⅞)	NA
C CIRCLING	2620-1¾ 650 (700-1¾)		2620-1⅞ 650 (700-1⅞)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

MYRTLE BEACH, SOUTH CAROLINA

AL-280 (FAA)

20282

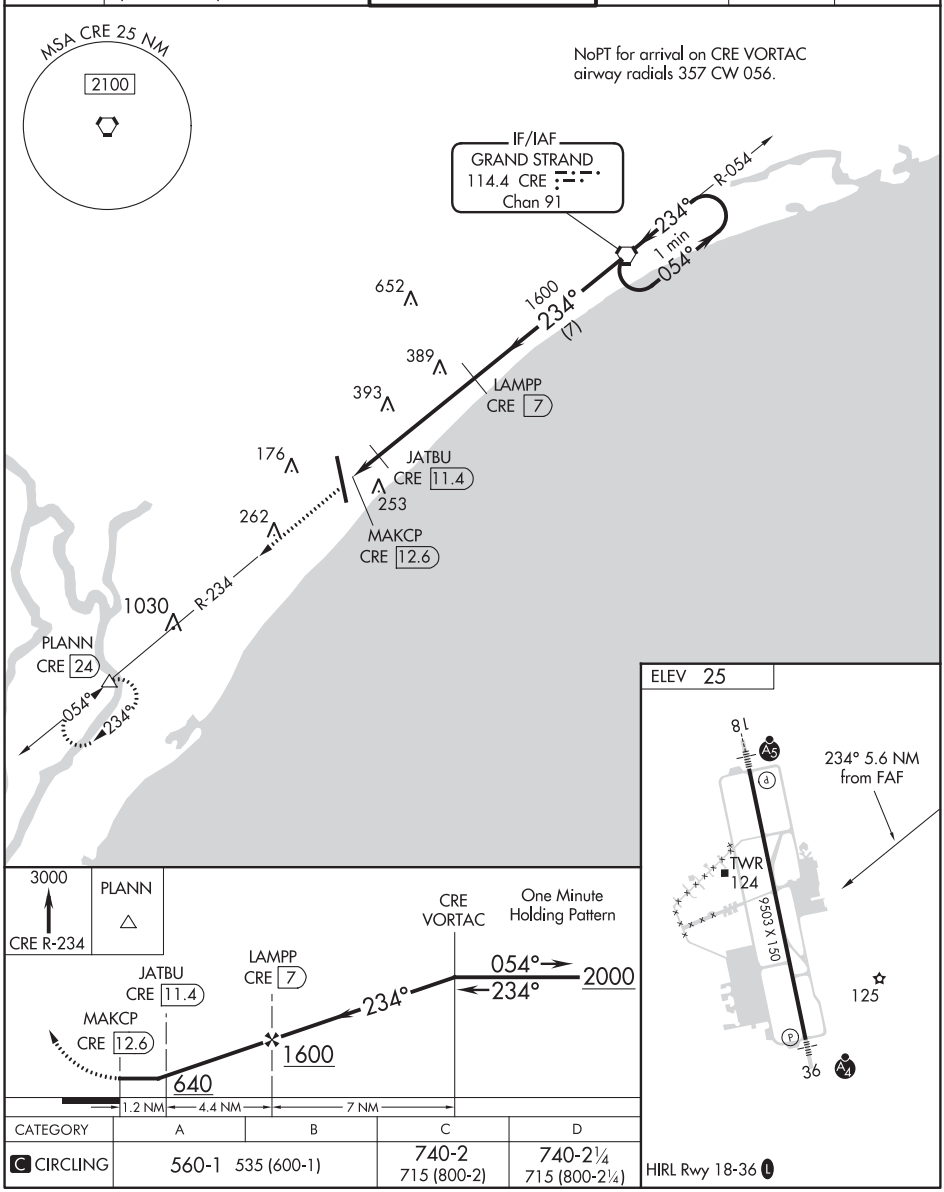
VOR/DME-A

MYRTLE BEACH INTL (MYR)

VORTAC CRE	APP CRS	Rwy ldg	N/A
114.4	234°	TDZE	N/A
Chan 91		Apt Elev	25

MISSED APPROACH: Climb to 3000 on CRE VORTAC R-234 to PLANN/CRE 24 DME and hold.

ATIS	MYRTLE BEACH APP CON ★	MYRTLE BEACH TOWER ★	GND CON	CLNC DEL	UNICOM
123.925	(171° - 321°) 127.4 257.95 (322° - 170°) 119.2 350.3	128.45 (CTAF) L 259.3	120.3 275.8	120.3	122.95



CATEGORY	A	B	C	D
C CIRCLING	560-1 535 (600-1)		740-2 715 (800-2)	740-2¼ 715 (800-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ACK VOR/DME	APP CRS	Rwy ldg	6303
116.2	240°	TDZE	48
Chan 109		Apt Elev	48

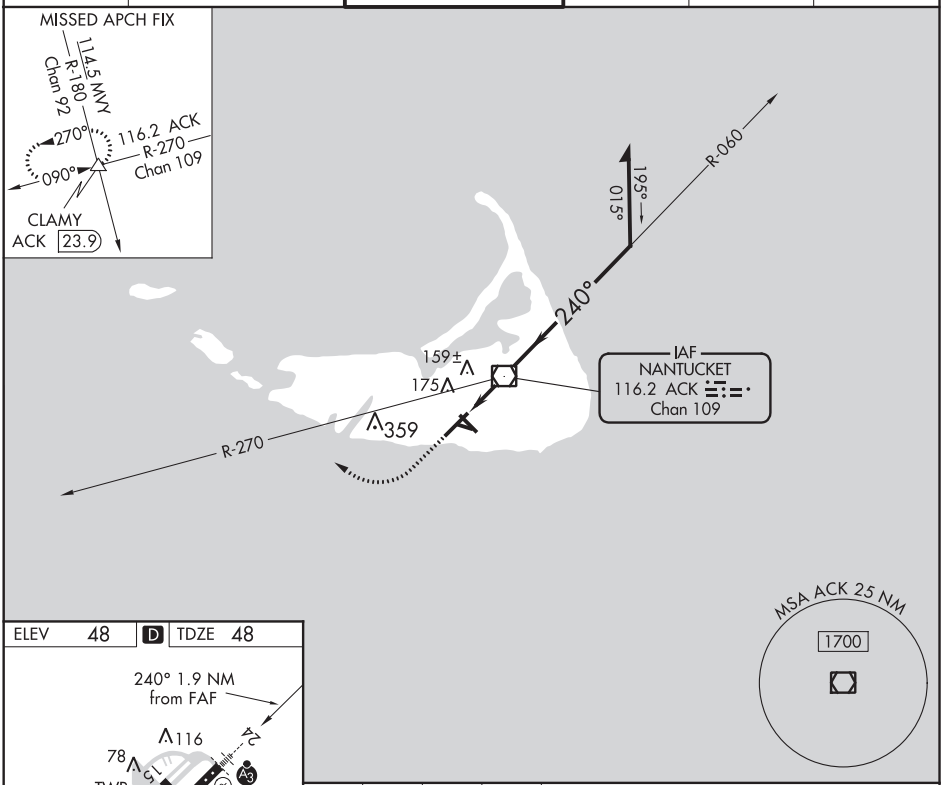
VOR RWY 24
NANTUCKET MEMORIAL (ACK)

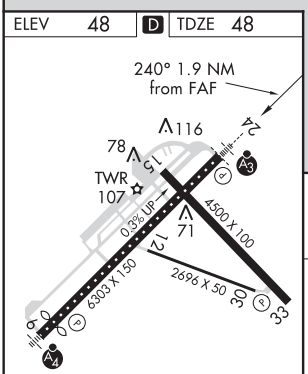
When local altimeter setting not received, use Hyannis altimeter setting and increase all MDA 80 feet; increase S-24 Cat C visibility to RVR 4000; increase Circling Cats C/D visibility ¼ SM. VDP NA when using Hyannis altimeter setting. For Inoperative SSALR, increase S-24 Cat D visibility to RVR 6000.

SSALR

MISSED APPROACH: Climb to 700 then climbing right turn to 2500 via heading 310° and ACK VOR/DME R-270 to CLAMY INT/ACK 23.9 DME and hold.

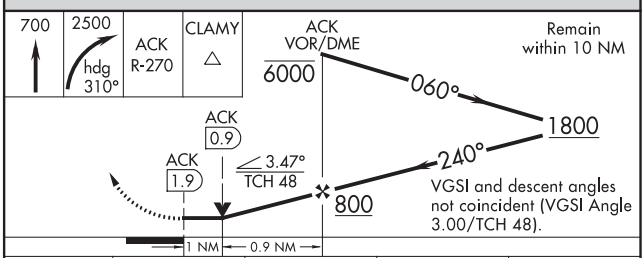
ATIS	BOSTON APP CON★	NANTUCKET TOWER ★	GND CON	CLNC DEL	UNICOM
127.5	126.1 318.1	118.3 (CTAF) L	132.5	119.375	122.95





TDZ/CL Rwy 24
REIL Rwys 15 and 33
MIRL Rwy 15-33 L
HIRL Rwy 6-24 L

FAF to MAP 1.9 NM					
Knots	60	90	120	150	180
Min:Sec	1:54	1:16	0:57	0:46	0:38



CATEGORY	A	B	C	D
S-24	440/24 393 (400-½)			440/50 393 (400-1)
C CIRCLING	480-1 433 (500-1)	500-1 453 (500-1)	720-2 673 (700-2)	720-2¼ 673 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

NAPLES, FLORIDA

AL-6020 (FAA)

20282

VOR RWY 5

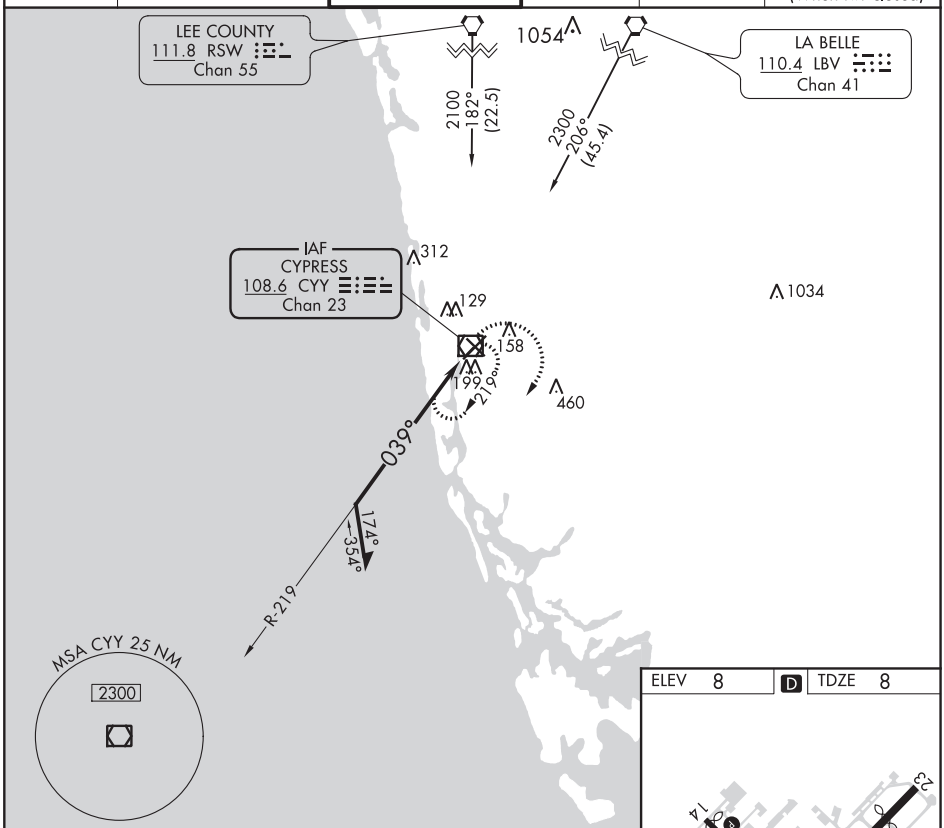
NAPLES MUNI (APF)

VOR/DME CYY	APP CRS	Rwy ldg	5000
108.6	039°	TDZE	8
Chan 23		Apt Elev	8

T A Helicopter visibility reduction below ¾ SM NA.

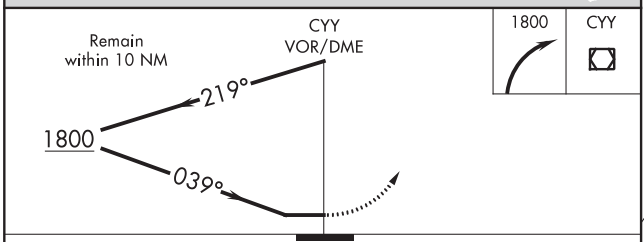
MISSED APPROACH: Climbing right turn to 1800 in CYY VOR/DME holding pattern.

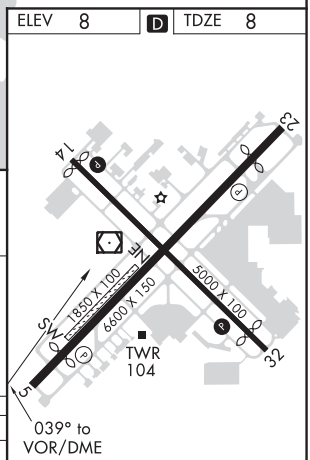
ATIS	FORT MYERS APP CON★	NAPLES TOWER★	GND CON	CLNC DEL	CLNC DEL
134.225	124.125 371.85	128.5 (CTAF) L	121.6	118.0	124.125 (When twr closed)



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
S-5	500-1 492 (500-1)		500-1¼ 492 (500-1¼)	500-1½ 492 (500-1½)
C CIRCLING	500-1 492 (500-1)		680-2 672 (700-2)	820-2¾ 812 (900-2¾)

MIRL Rwys 5-23 and 14-32 L
REIL Rwys 5, 14, 23 and 32 L

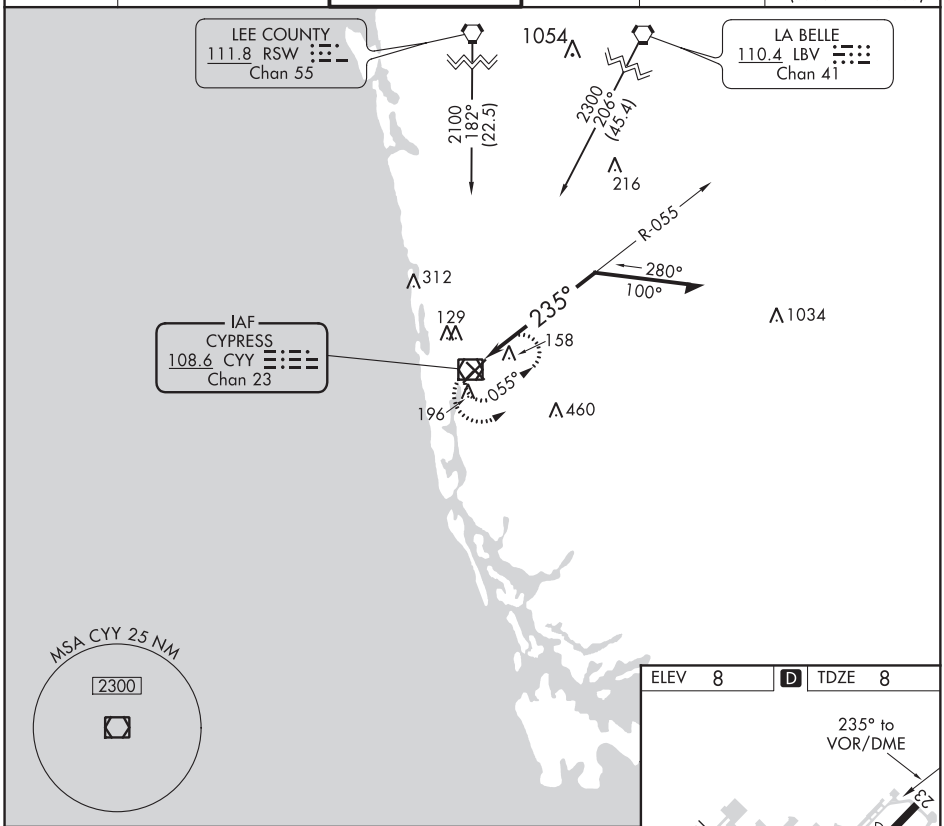
VOR RWY 23
NAPLES MUNI (APF)

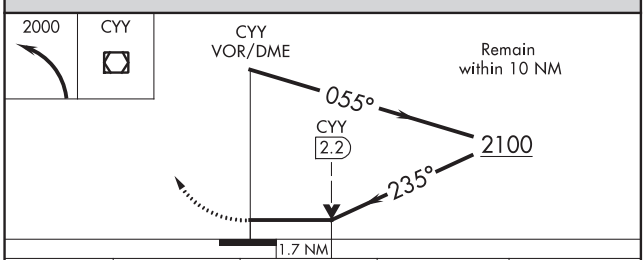
VOR/DME CYY 108.6 Chan 23	APP CRS 235°	Rwy ldg 5000 TDZE 8 Apt Elev 8

Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climbing left turn to 2000 in CYY VOR/DME holding pattern.

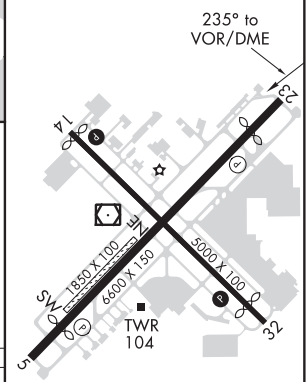
ATIS	FORT MYERS APP CON★	NAPLES TOWER★	GND CON	CLNC DEL	CLNC DEL
134.225	124.125 371.85	128.5 (CTAF) L	121.6	118.0	124.125 (When twr closed)





CATEGORY	A	B	C	D
S-23	600-1 592 (600-1)		600-1½ 592 (600-1½)	600-1¾ 592 (600-1¾)
C CIRCLING	600-1 592 (600-1)		680-2 672 (700-2)	820-2¾ 812 (900-2¾)

ELEV 8 D TDZE 8



MIRL Rwys 5-23 and 14-32 L
REIL Rwys 5, 14, 23 and 32 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

NATCHEZ, MISSISSIPPI

AL-967 (FAA)

20282

RNAV (GPS) RWY 36

HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY (HEZ)

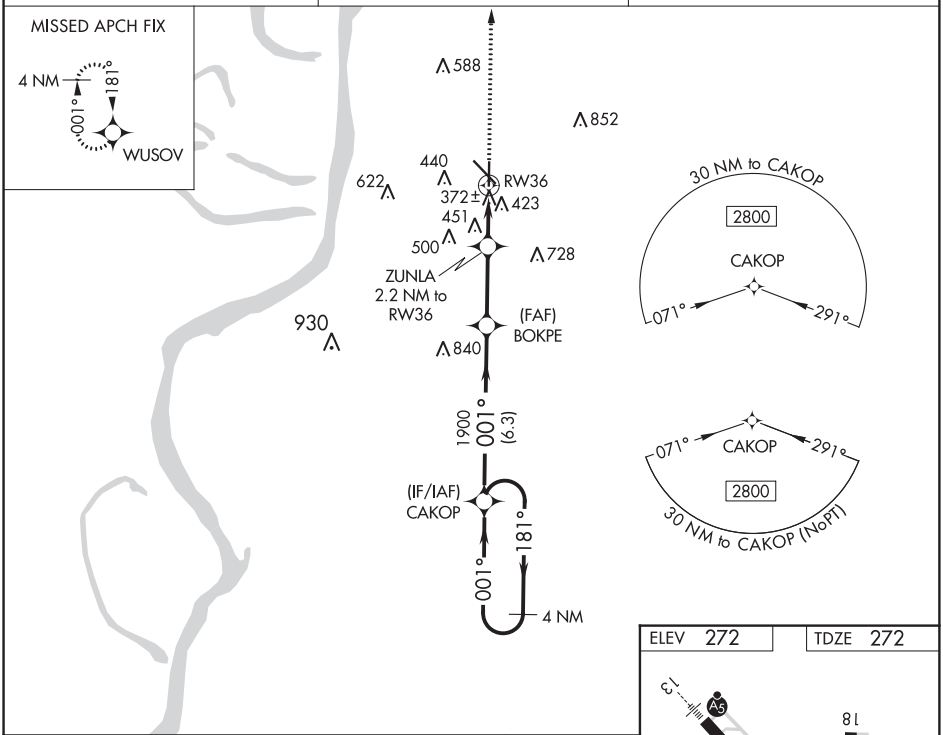
WAAS CH 77734 W36A	APP CRS 001°	Rwy ldg 5000 TDZE 272 Apt Elev 272

RNP APCH.

When local altimeter setting not received, use Vicksburg Tallulah Rgnl altimeter setting and increase all MDAs 140 feet; increase LP and LNAV Cats C/D visibility ⅜ SM. Increase Circling Cats C visibility ½ SM. Rwy 36 helicopter visibility reduction below 1 SM NA. Straight-in Rwy 36 NA at night, Circling Rwy 36 NA at night.

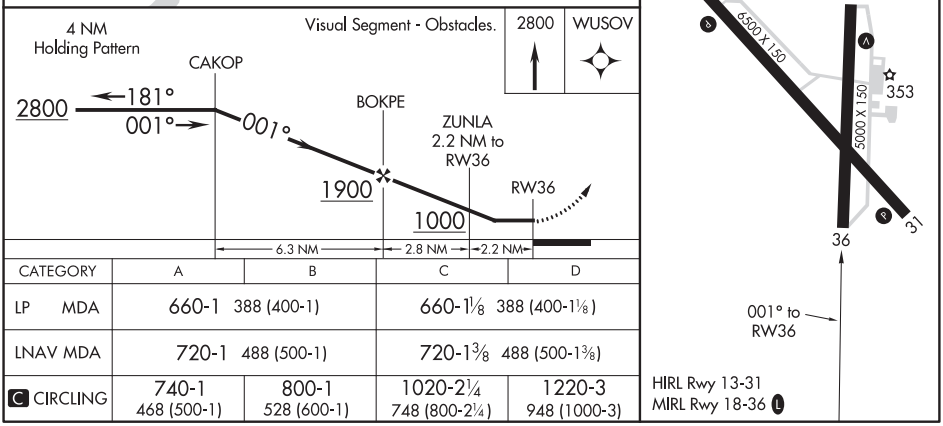
MISSED APPROACH: Climb to 2800 direct WUSOV and hold.

AWOS-3PT	HOUSTON CENTER	UNICOM
124.675	120.975 299.6	122.8 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LP MDA	660-1 388 (400-1)		660-1⅛ 388 (400-1⅛)	
LNAV MDA	720-1 488 (500-1)		720-1⅜ 488 (500-1⅜)	
C CIRCLING	740-1 468 (500-1)	800-1 528 (600-1)	1020-2¼ 748 (800-2¼)	1220-3 948 (1000-3)

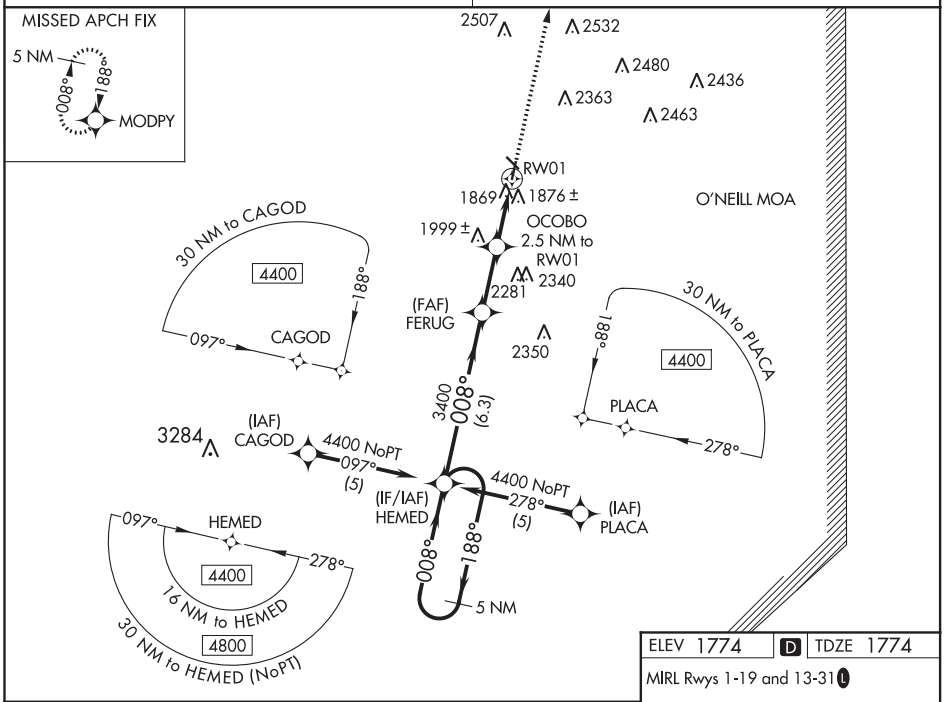
WAAS CH 72914 W01A	APP CRS 008°	Rwy ldg 3700 TDZE 1774 Apt Elev 1774

RNAV (GPS) RWY 1
ANTELOPE COUNTY (4V9)

T NA Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Albion altimeter setting; when not received, use Norfolk altimeter setting and increase all DA/MDA 40 feet and LNAV/VNAV all Cats visibility ¼ mile.

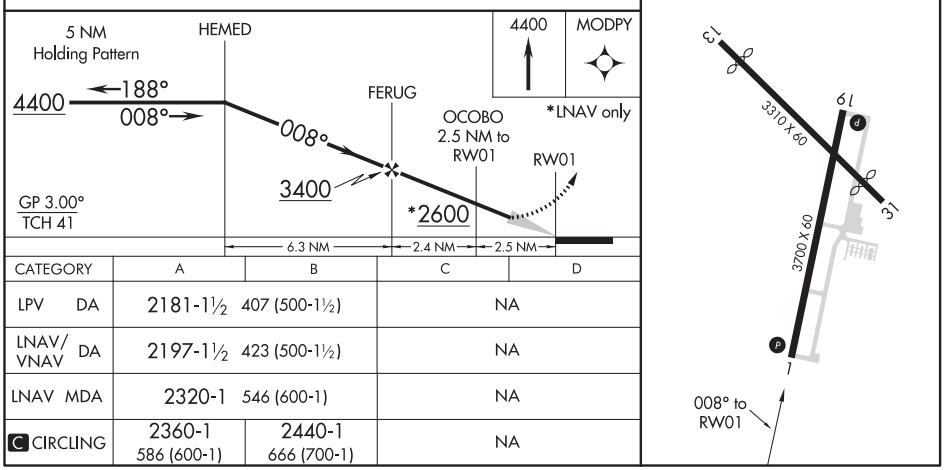
MISSED APPROACH: Climb to 4400 direct MODPY and hold.

MINNEAPOLIS CENTER	UNICOM
128.0 257.95	122.8 (CTAF) L



ELEV 1774 D TDZE 1774

MIRL Rwys 1-19 and 13-31 L



CATEGORY	A	B	C	D
LPV DA	2181-1½ 407 (500-1½)		NA	
LNAV/VNAV DA	2197-1½ 423 (500-1½)		NA	
LNAV MDA	2320-1 546 (600-1)		NA	
C CIRCLING	2360-1 586 (600-1)	2440-1 666 (700-1)	NA	

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

NELIGH, NEBRASKA AL-10382 (FAA) 20282

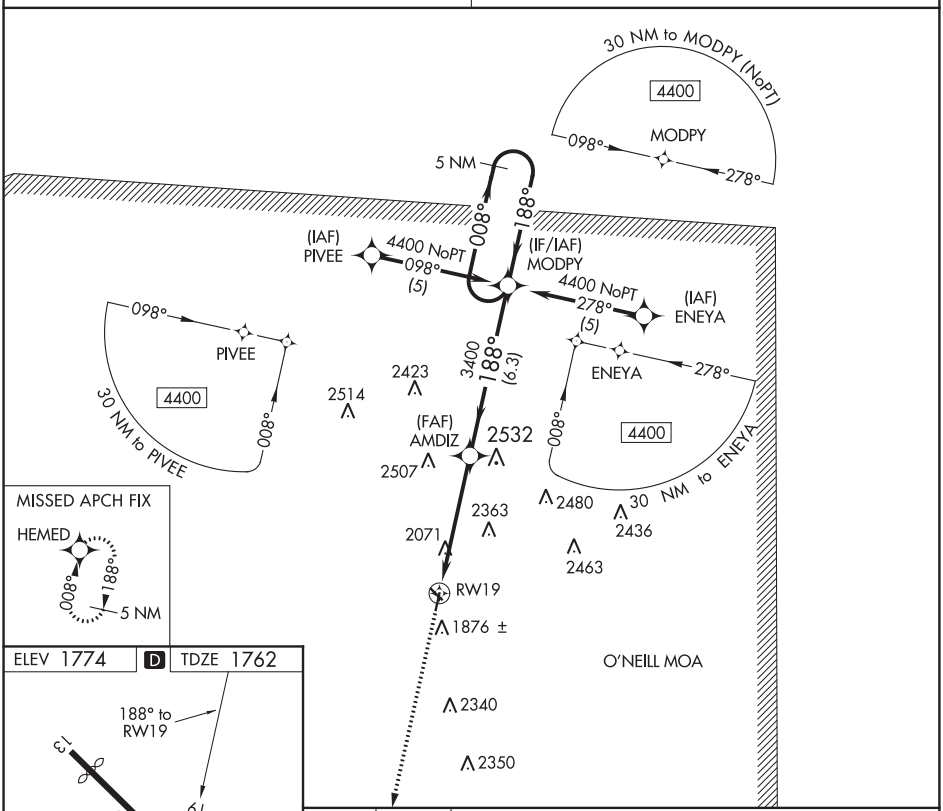
RNAV (GPS) RWY 19
ANTELOPE COUNTY (4V9)

APP CRS	Rwy ldg	3700
188°	TDZE	1762
	Apt Elev	1774

T A NA DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Albion altimeter setting, when not received, use Norfolk altimeter setting and increase all MDA 40 feet.

MISSED APPROACH: Climb to 4400 direct HEMED and hold.

MINNEAPOLIS CENTER	UNICOM
128.0 257.95	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	2380-1 618 (700-1)		NA	
C CIRCLING	2380-1 606 (700-1)	2440-1 666 (700-1)	NA	

MIRL Rwys 1-19 and 13-31 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WAAS CH 63002 W22A	APP CRS 219°	Rwy ldg 6153 TDZE 17 Apt Elev 18

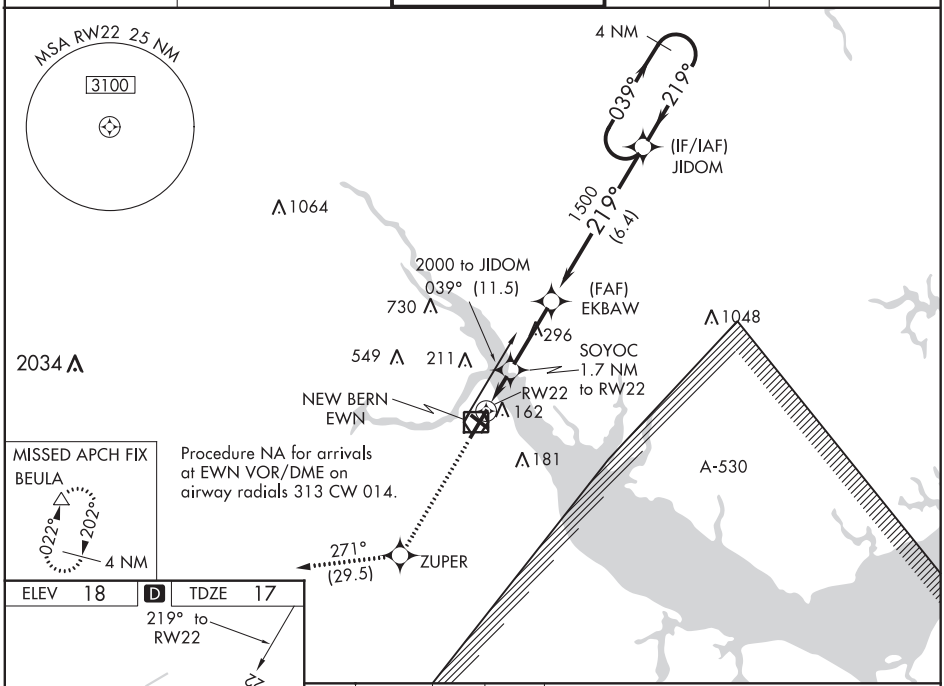
RNAV (GPS) RWY 22
COASTAL CAROLINA RGNL (EWN)

RNP APCH.

Rwy 14, 32 helicopter visibilty reduction below 1 SM NA. Rwy 22 helicopter visibilty reduction below ¾ SM NA. Circling Rwy 14, 32 NA at night. Baro-VNAV NA when using Cherry Point altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). When local altimeter setting not received, use Cherry Point altimeter setting; increase all DA 32 feet and all MDA 40 feet. Increase LPV and LNAV/VNAV visibility ⅛ SM, and Circling Cat C/D visibility ¼ SM.

MISSED APPROACH: Climb to 3000 direct ZUPER and on track 271° to BEULA and hold.

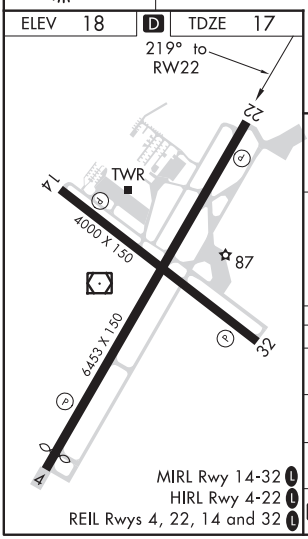
ASOS	CHERRY POINT APP CON	NEW BERN TOWER★	CLNC DEL	GND CON
118.525	119.35 374.9	124.25 (CTAF) L	121.7	121.7



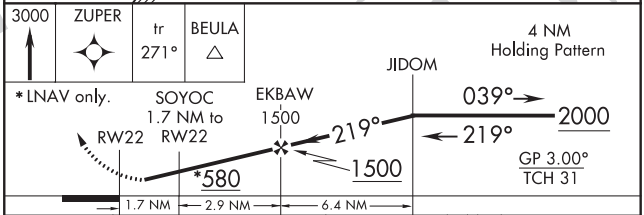
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 18 D TDZE 17



MIRL Rwy 14-32 L
HIRL Rwy 4-22 L
REIL Rwys 4, 22, 14 and 32 L



CATEGORY	A	B	C	D
LPV DA	269-⅞ 252 (300-⅞)			
LNAV/VNAV DA	376-1¼ 359 (400-1¼)			
LNAV MDA	480-1 463 (500-1)		480-1⅜ 463 (500-1⅜)	
C CIRCLING	480-1 462 (500-1)	520-1 502 (600-1)	600-1½ 582 (600-1½)	860-2¾ 842 (900-2¾)

NEW BERN, NORTH CAROLINA

AL-670 (FAA)

20282

VOR RWY 22

COASTAL CAROLINA RGNL (EWN)

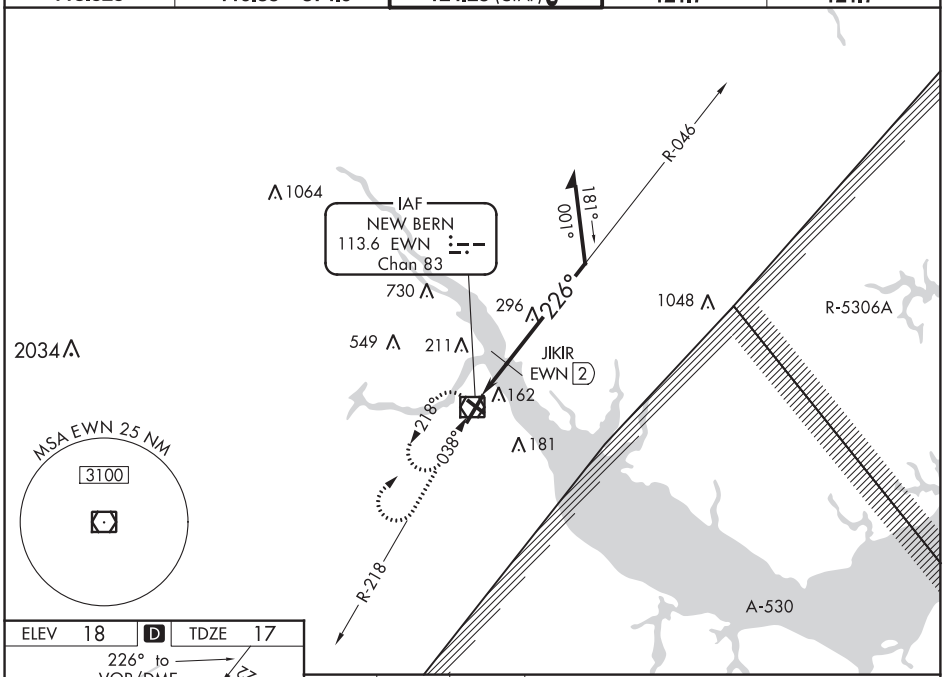
VOR/DME EWN	APP CRS	Rwy ldg	6153
113.6	226°	TDZE	17
Chan 83		Apt Elev	18

Rwy 14, 32 helicopter visibility reduction below 1 SM NA. Rwy 22 helicopter visibilty reduction below ¾ SM NA. Circling Rwy 14, 32 NA at night. JIKIR fix minimums: S-22 Cat D minimums NA when using Cherry Point altimeter setting. When local altimeter setting not received, use Cherry Point altimeter setting and increase all MDAs 40 feet and Circling Cat D visibility ¼ SM and JIKIR fix minimums Circling Cat C/D visibility ¼ SM.

MISSED APPROACH: Climb to 1000 then climbing right turn to 2000 direct EWN VOR/ DME and hold, continue climb-in-hold to 2000.

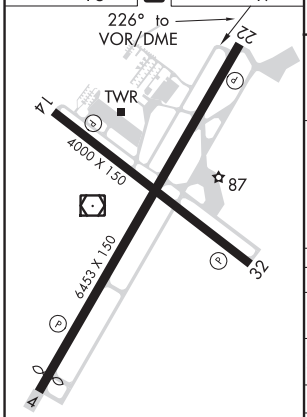
ASOS	CHERRY POINT APP CON	NEW BERN TOWER ★	CLNC DEL	GND CON
118.525	119.35 374.9	124.25 (CTAF) L	121.7	121.7

08 OCT 2020 to 05 NOV 2020

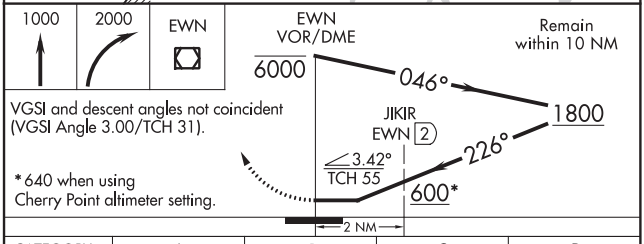


08 OCT 2020 to 05 NOV 2020

ELEV 18	D	TDZE 17



MIRL Rwy 14-32 L
HIRL Rwy 4-22 L
REIL Rwys 4, 22, 14 and 32 L



VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 31).

*640 when using Cherry Point altimeter setting.

CATEGORY	A	B	C	D
S-22	600-1 583 (600-1)		600-1¾ 583 (600-1¾)	
C CIRCLING	600-1 582 (600-1)		600-1¾ 582 (600-1¾)	860-2¾ 842 (900-2¾)
JIKIR FIX MINIMUMS (DME REQUIRED)				
S-22	480-1 463 (500-1)		480-1⅜ 463 (500-1⅜)	
C CIRCLING	480-1 462 (500-1)	520-1 502 (600-1)	600-1½ 582 (600-1½)	860-2¾ 842 (900-2¾)

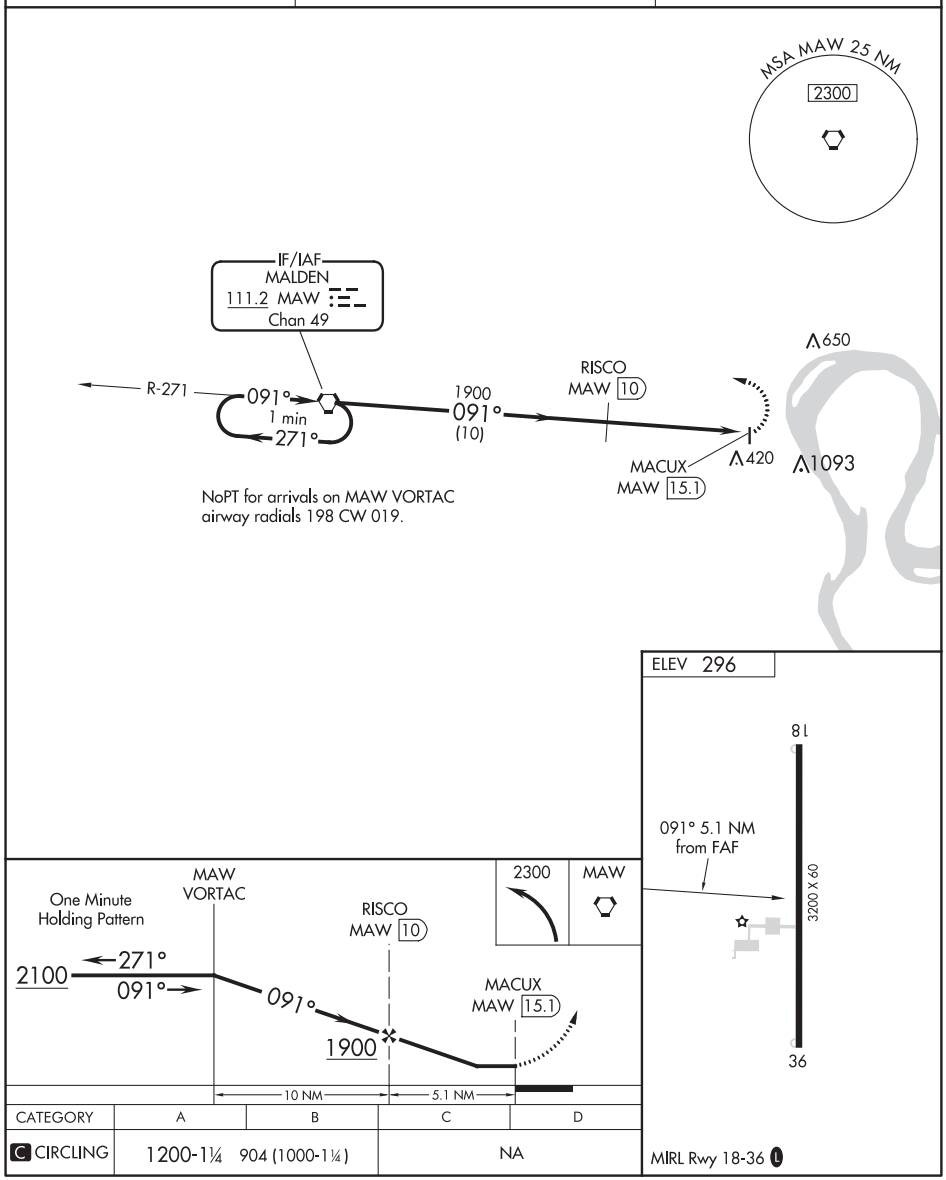
VORTAC MAW	APP CRS	Rwy ldg	N/A
111.2	091°	TDZE	N/A
Chan 49		Apt Elev	296

VOR/DME-A
COUNTY MEMORIAL (EIW)

T A NA — Circling to Rwy 36 NA at night. Use Dyersburg altimeter setting; when not received use Cairo altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climbing left turn to 2300 direct MAW VORTAC and hold.

DYR AWOS-3PT	MEMPHIS CENTER	UNICOM
135.625	133.65 292.15	122.8 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	1200-1¼ 904 (1000-1¼)		NA	

JACKSONVILLE, NORTH CAROLINA

RNAV (GPS) RWY 23

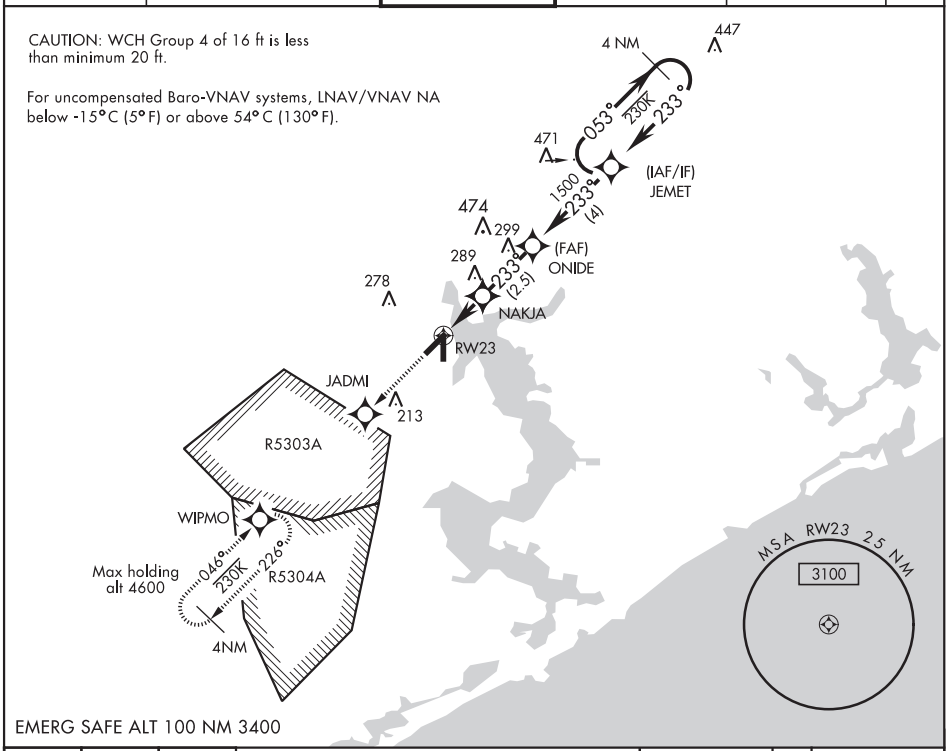
WAAS	APCH CRS	Rwy ldg 5127
Chan 92556	233°	TDZE 24
W23A		Arpt Elev 26

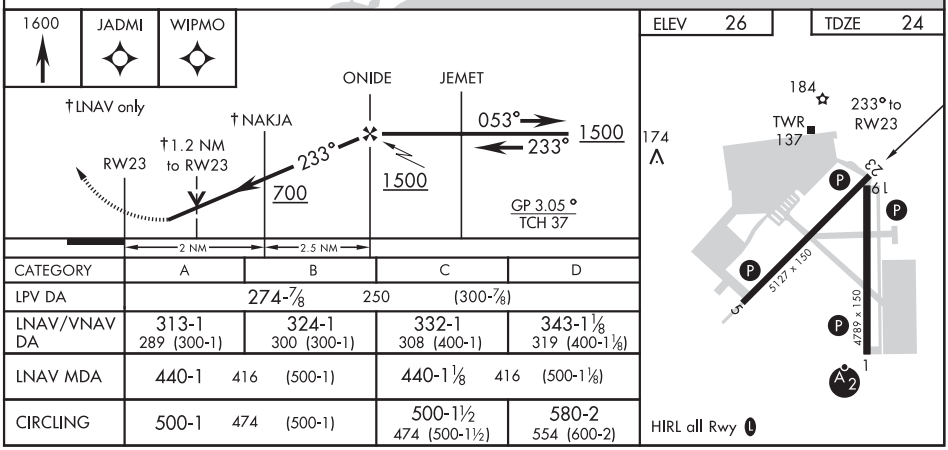
AL-732 [USN] NEW RIVER MCAS (MC CUTCHEON FLD) (KNCA)

DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 1600 direct JADMI direct WIPMO and hold.

ATIS ★	CHERRY POINT APP CON	NEW RIVER TOWER ★	GND CON	CLNC DEL	ASR/PAR
288.325	119.35 377.175	120.0 (L) ★ 360.2	121.8 254.275	269.25	





CATEGORY	A	B	C	D
LPV DA	274-7/8 250 (300-7/8)			
LNAV/VNAV DA	313-1 289 (300-1)	324-1 300 (300-1)	332-1 308 (400-1)	343-1 1/8 319 (400-1 1/8)
LNAV MDA	440-1 416 (500-1)		440-1 1/8 416 (500-1 1/8)	
CIRCLING	500-1 474 (500-1)		500-1 1/2 474 (500-1 1/2)	580-2 554 (600-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

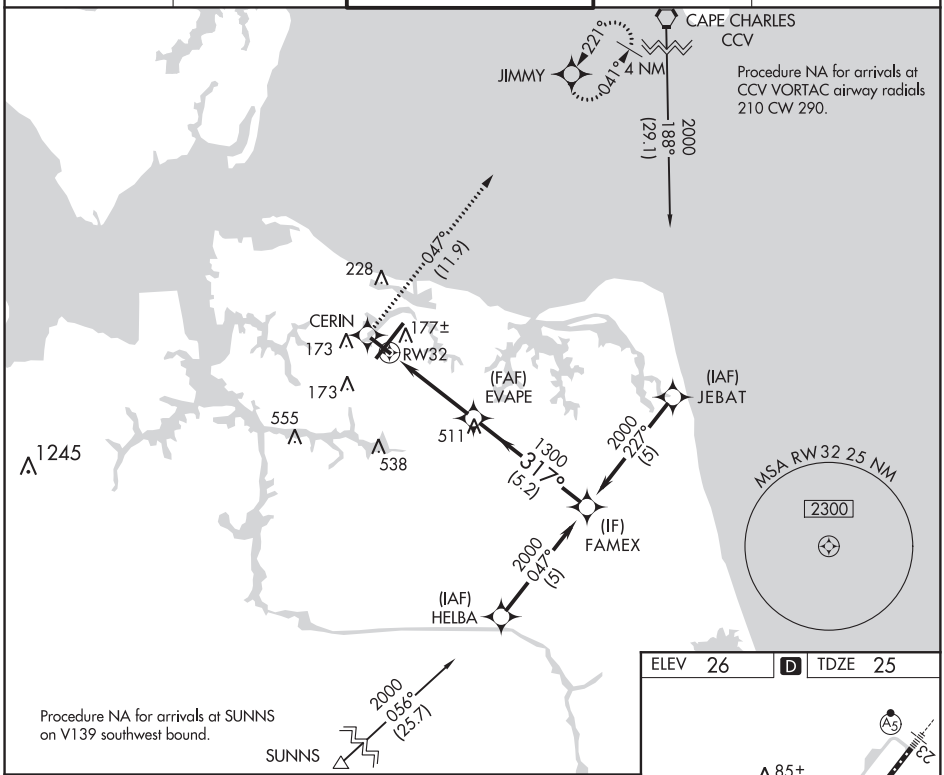
APP CRS	Rwy ldg	3900
317°	TDZE	25
	Apt Elev	26

RNAV (GPS) RWY 32
NORFOLK INTL (ORF)

DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 direct CERIN and on track 047° to JIMMY and hold.

ATIS	NORFOLK APP CON	NORFOLK TOWER	GND CON	CLNC DEL
127.15	118.9 353.7	120.8 257.8	121.9	118.5

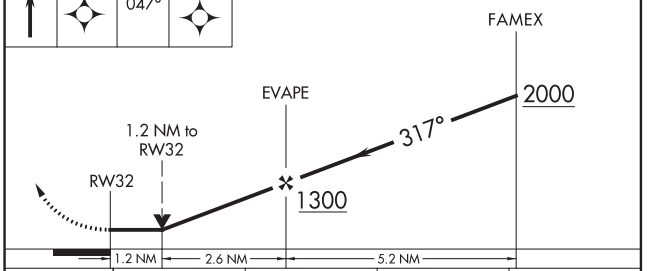


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

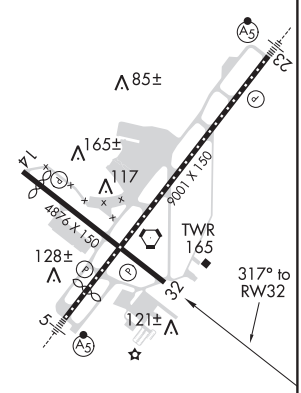
2000	CERIN	tr 047°	JIMMY

Visual Segment - Obstacles.



CATEGORY	A	B	C	D
LNAV MDA	440-1 415 (500-1)		440-1⅛ 415 (500-1⅛)	
C CIRCLING	480-1 454 (500-1)	540-1 514 (600-1)	540-1½ 514 (600-1½)	900-2¾ 874 (900-2¾)

ELEV 26 D TDZE 25



REIL Rwys 14 and 32
HIRL Rwy 5-23
MIRL Rwy 14-32

NORFOLK, VIRGINIA

AL-291 (FAA)

20282

VOR/DME RWY 32
NORFOLK INTL (ORF)

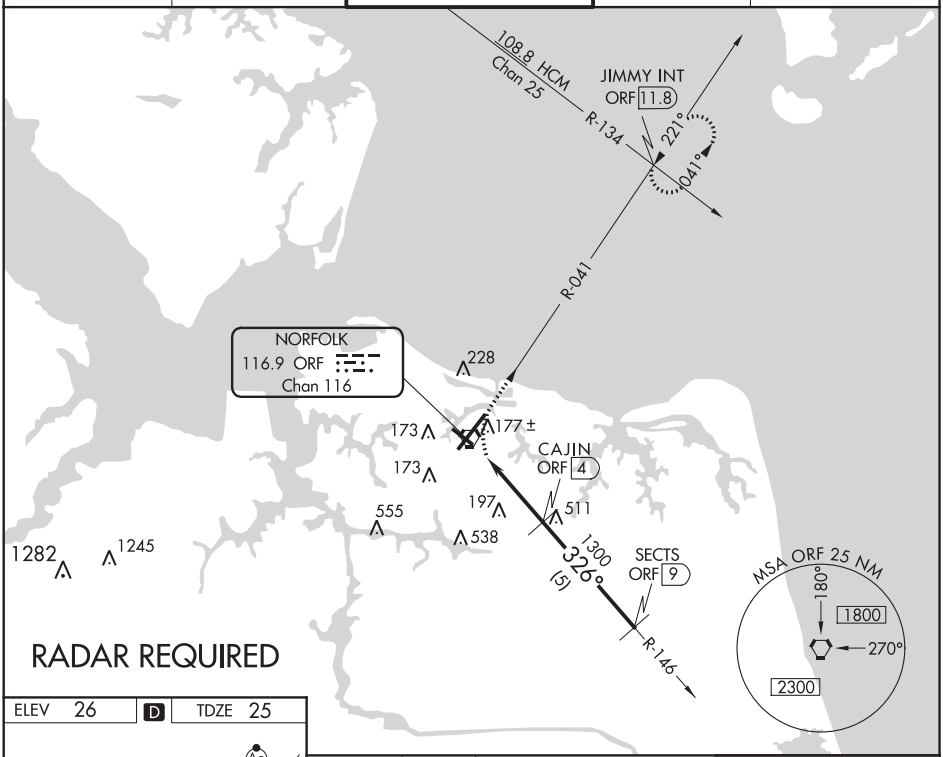
VORTAC ORF	APP CRS	Rwy ldg	3900
116.9	326°	TDZE	25
Chan 116		Apt Elev	26

Visibility reduction by helicopters NA.

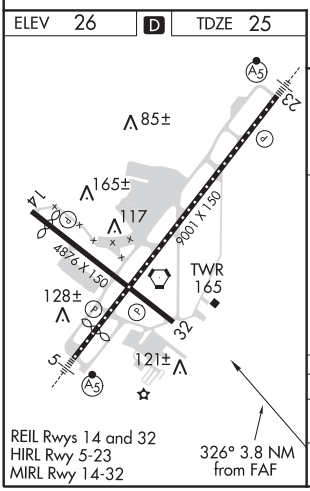
MISSED APPROACH: Climbing right turn to 2000 via ORF R-041 to JIMMY Int/11.8 DME and hold.

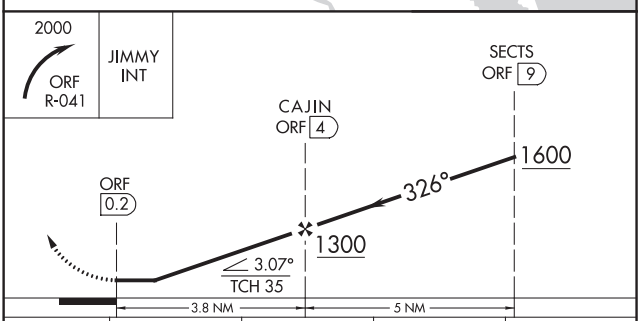
ATIS	NORFOLK APP CON	NORFOLK TOWER	GND CON	CLNC DEL
127.15	118.9 353.7	120.8 257.8	121.9	118.5

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
S-32	460-1 435 (500-1)		460-1¼ 435 (500-1¼)	460-1½ 435 (500-1½)
C CIRCLING	480-1 454 (500-1)	540-1 514 (600-1)	540-1½ 514 (600-1½)	900-2¾ 874 (900-2¾)

NORFOLK, VIRGINIA

Amdt 4F 08OCT20

36°54'N - 76°12'W

NORFOLK INTL (ORF)

VOR/DME RWY 32

LOC/DME I-OKC	APP CRS	Rwy ldg	9800
110.7	176°	TDZE	1282
Chan 44		Apt Elev	1296

ILS or LOC RWY 17R
WILL ROGERS WORLD (OKC)

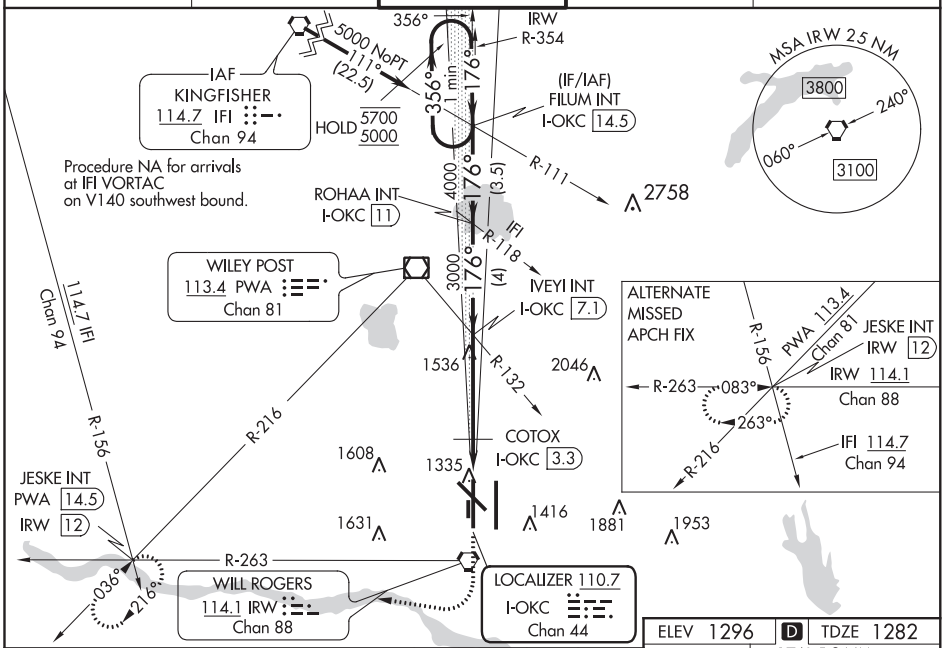
T A ASR

Simultaneous approach authorized. For inop ALS, increase S-ILS 17R Cat E visibility to RVR 4000 and S-LOC 17R Cats C/D/E visibility to 1⅜ SM; increase COTOX FIX minimums S-LOC 17R Cats C/D/E visibility to RVR 5000.
**RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR A5

MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 on heading 311° and on PWA VOR/DME R-216 to JESKE INT/PWA 14.5 DME and hold.

D-ATIS	OKE CITY APP CON	ROGERS TOWER	GND CON	CLNC DEL
125.85	124.6 266.8	119.35 269.45	121.9 348.6	124.35



08 OCT 2020 to 05 NOV 2020

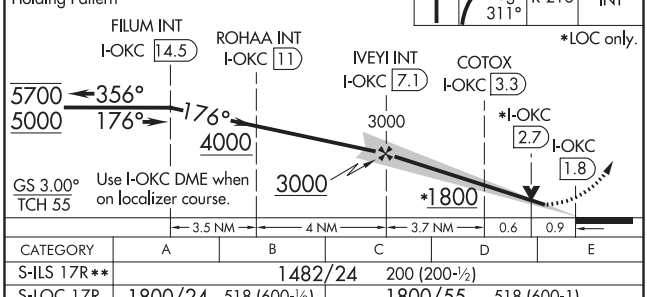
08 OCT 2020 to 05 NOV 2020

One Minute Holding Pattern

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 60).

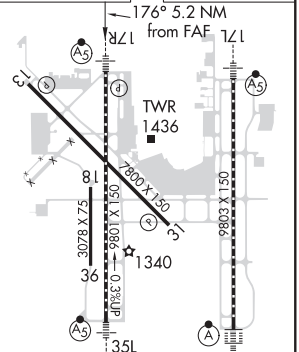
2000	3000	PWA	JESKE
	hdg 311°	R-216	INT

*LOC only.



CATEGORY	A	B	C	D	E
S-ILS 17R**	1482/24 200 (200-½)				
S-LOC 17R	1800/24 518 (600-½)		1800/55 518 (600-1)		
C CIRCLING	1800-1 504 (600-1)		1960-1¾ 664 (700-1¾)	2000-2¼ 704 (800-2¼)	2240-3 944 (1000-3)
COTOX FIX MINIMUMS					
S-LOC 17R	1620/24 338 (400-½)		1620/26 338 (400-½)		
C CIRCLING	1740-1 444 (500-1)	1760-1 464 (500-1)	1960-1¾ 664 (700-1¾)	2000-2¼ 704 (800-2¼)	2240-3 944 (1000-3)

ELEV 1296 | D | TDZE 1282



TDZ/CL Rwy 35R
MIRL Rwy 13-31
REIL Rwys 13 and 31
HIRL Rwys 17L-35R and 17R-35L

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

ONEONTA, ALABAMA | AL-10636 (FAA) | 20282

RNAV (GPS) RWY 24

ROBBINS FIELD (2ØA)

APP CRS	Rwy ldg	4098
238°	TDZE	1125
	Apt Elev	1125

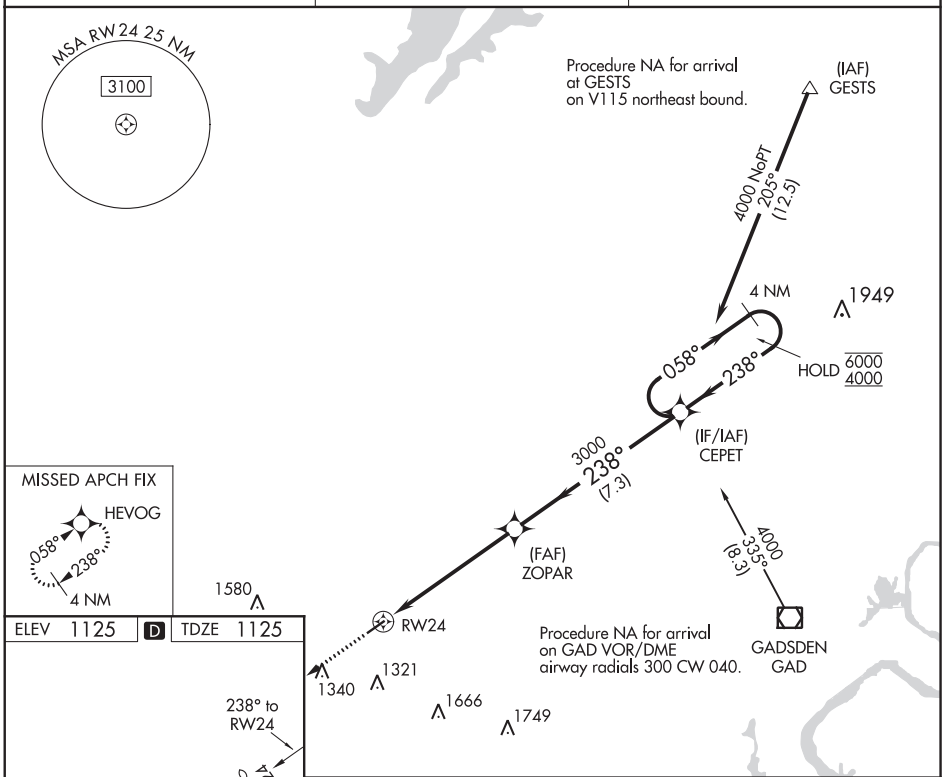
RNP APCH.

Procedure NA at night. Use Albertville Rgnl-Thomas J Brumlik Field altimeter setting, when not received, use Northeast Alabama Rgnl altimeter setting and increase all MDA 60 feet and increase LNAV Cat B visibility ¼ SM, Cat C Circling visibility ¼ SM. Rwy 24 helicopter visibility reduction below 1 SM NA.

NA

MISSED APPROACH: Climb to 4000 direct HEVOG and hold.

8A0 AWOS-3PT	BIRMINGHAM APP CON	UNICOM
119.575	125.45 279.65	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1820-1 695 (700-1)		1820-2 695 (700-1)	NA
C CIRCLING	1820-1 695 (700-1)		1820-2 695 (700-1)	NA

MIRL Rwy 6-24 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

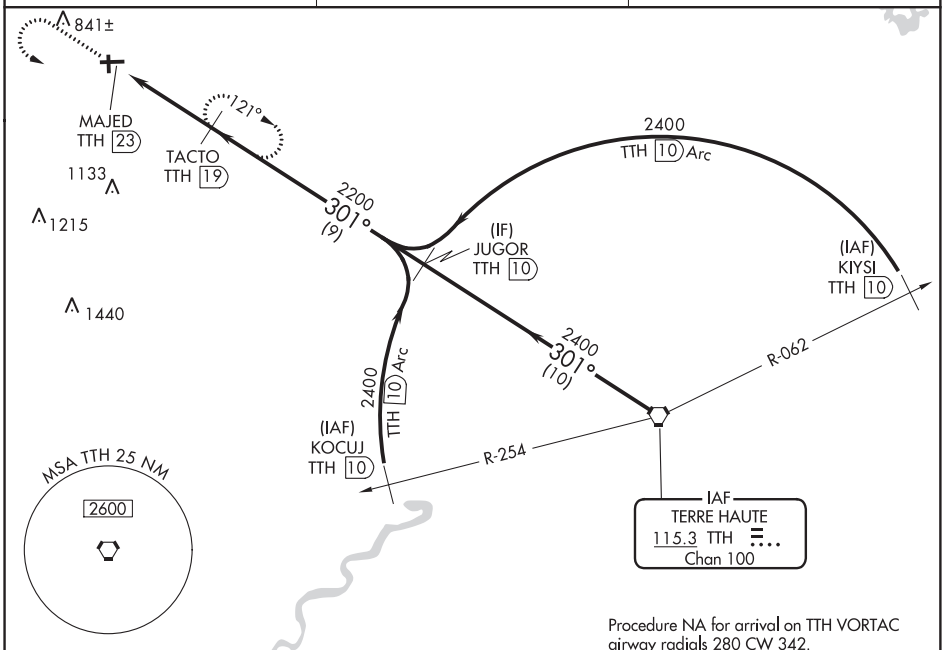
VORTAC TTH	APP CRS	Rwy ldg	N/A
115.3	301°	TDZE	N/A
Chan 100		Apt Elev	654

VOR/DME-A
EDGAR COUNTY (PRG)

When local altimeter setting not received, use Terre Haute Rgnl altimeter setting and increase all MDA 80 feet; increase Cat C visibility ¼ mile. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2200 then left turn heading 080° and TTH VORTAC R-301 to TACTO/TTH 19 DME and hold.

AWOS-3	HULMAN APP CON	UNICOM
124.175	125.45 339.8	123.0 (CTAF) L

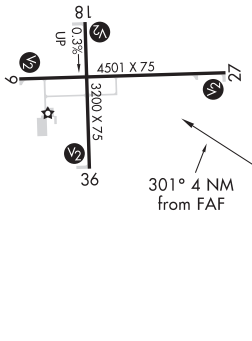


Procedure NA for arrival on TTH VORTAC airway radials 280 CW 342.

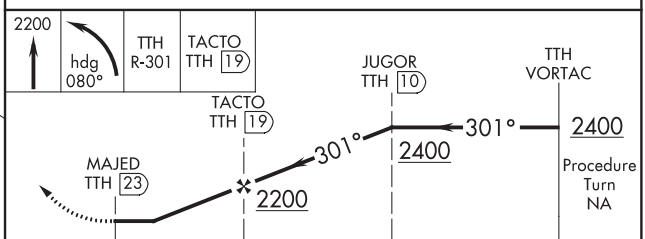
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 654



1549



CATEGORY	A	B	C	D
C CIRCLING	1300-1 646 (700-1)	1300-1¼ 646 (700-1¼)	1300-1¾ 646 (700-1¾)	NA

REIL Rwy 27
MIRL Rwys 9-27 and 18-36 L

PEMBINA, NORTH DAKOTA | AL-315 (FAA) | 20282

APP CRS	Rwy ldg	3798
338°	TDZE	795
	Apt Elev	795

RNAV (GPS) RWY 33
PEMBINA MUNI (PMB)

RNP APCH.

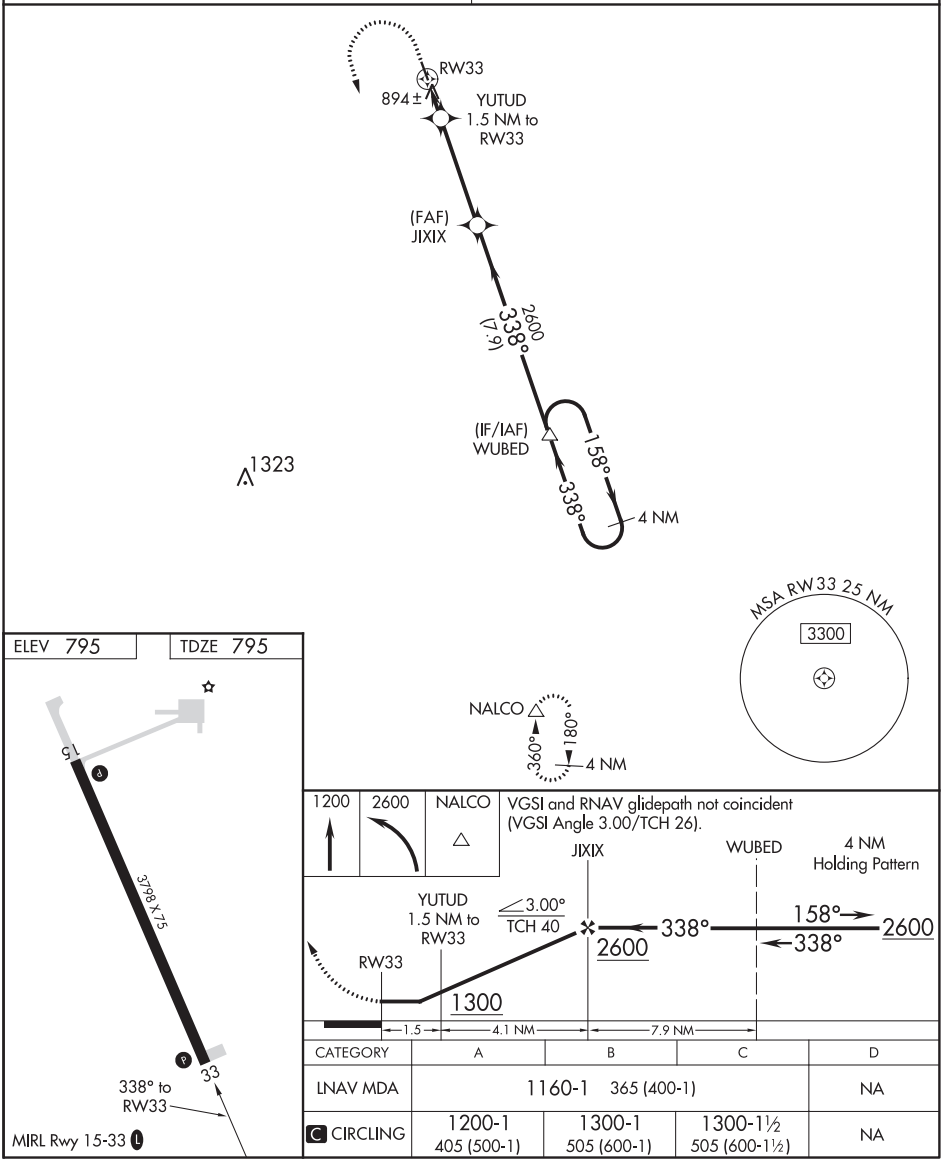
T A NA

Procedure NA at night. Obtain local altimeter setting on CTAF; when not received use Hallock altimeter setting; increase all MDA 60 feet and LNAV Cat C visibility ¼ SM. Rwy 33 helicopter visibilty reduction below 1 SM NA.

MISSED APPROACH:
Climb to 1200 then climbing left turn 2600 direct NALCO and hold.

MINNEAPOLIS CENTER	UNICOM
132.15 269.6	122.8 (CTAF) L

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	1160-1 365 (400-1)			NA
C CIRCLING	1200-1 405 (500-1)	1300-1 505 (600-1)	1300-1½ 505 (600-1½)	NA

VORTAC HML	APP CRS	Rwy Idg	N/A
112.4	303°	TDZE	N/A
Chan 71		Apt Elev	795

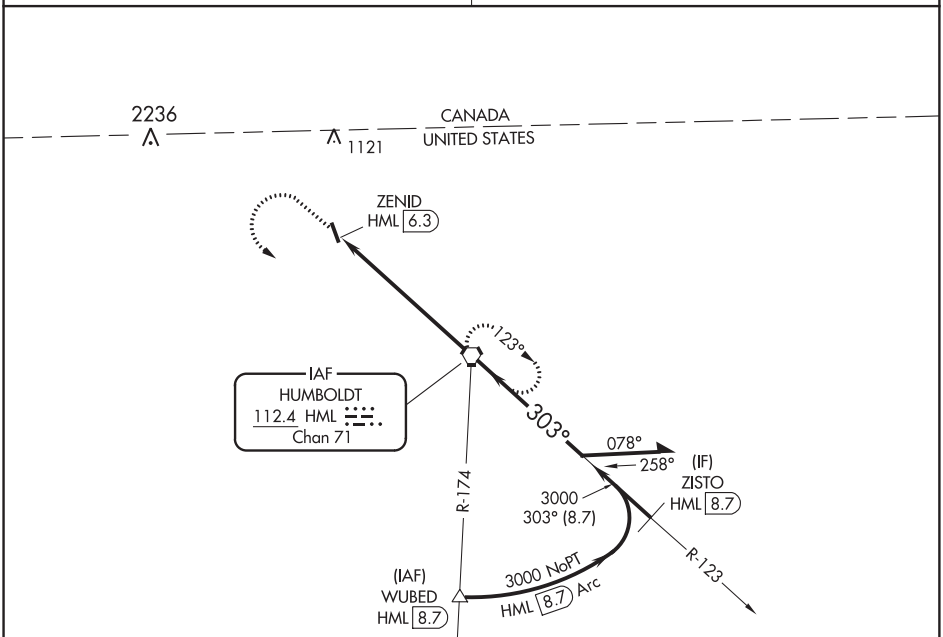
VOR-A
PEMBINA MUNI (PMB)

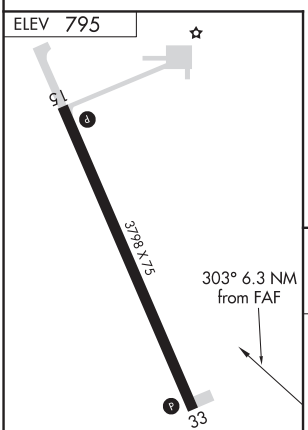
T A NA

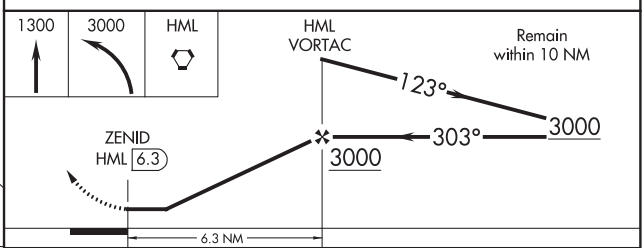
Procedure NA at night. Obtain local altimeter setting on CTAF, when not received use Hallock altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climb to 1300 then climbing left turn to 3000 direct HML VORTAC and hold.

MINNEAPOLIS CENTER	UNICOM
132.15 269.6	122.8 (CTAF) L







FAF to MAP 6.3 NM					
Knots	60	90	120	150	180
Min:Sec	6:18	4:12	3:09	2:31	2:06

CATEGORY	A	B	C	D
C CIRCLING	1280-1 485 (500-1)	1300-1 505 (600-1)	1300-1½ 505 (600-1½)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

20282

PENSACOLA, FLORIDA

TACAN RWY 19

TACAN NPA Chan 119	APCH CRS 178°	Rwy ldg 7136 TDZE 22 Arpt Elev 28

AL-736 [USN]

PENSACOLA NAS (FORREST SHERMAN FLD) (KNPA)

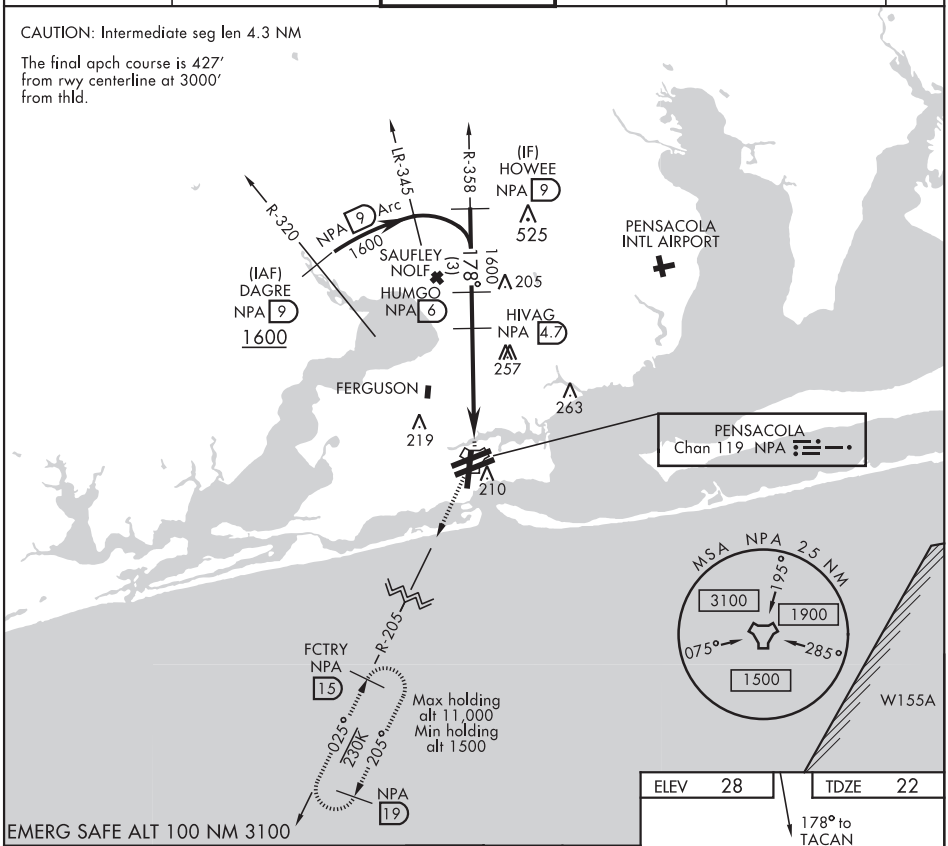
RADAR Required.

MISSED APPROACH: Climbing right turn to 1500 via NPA TACAN R-205 to FCTRY and hold.

ATIS	PENSACOLA APP CON	SHERMAN TOWER	GND CON	CLNC DEL	ASR/PAR
124.35 266.8	120.65 270.8	120.7 340.2	121.7 336.4	134.1 268.7	

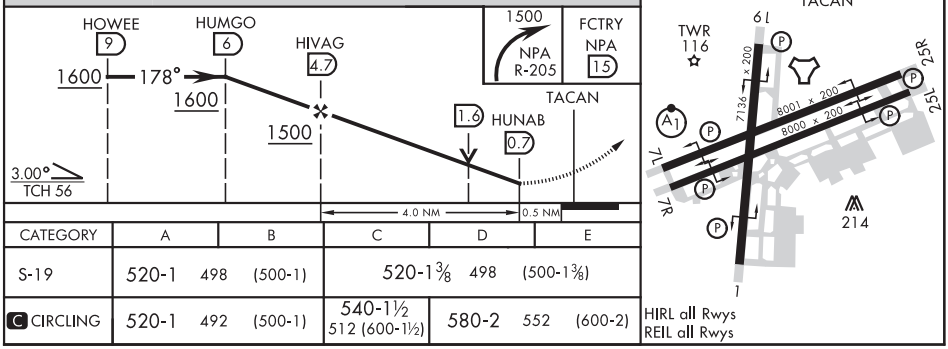
CAUTION: Intermediate seg len 4.3 NM

The final apch course is 427′ from rwy centerline at 3000′ from thld.



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D	E
S-19	520-1 498 (500-1)		520-1 3/8 498 (500-1 3/8)		
C CIRCLING	520-1 492 (500-1)		540-1 1/2 512 (600-1 1/2)	580-2 552 (600-2)	

APP CRS	Rwy ldg	3050
249°	TDZE	1755
	Apt Elev	1755

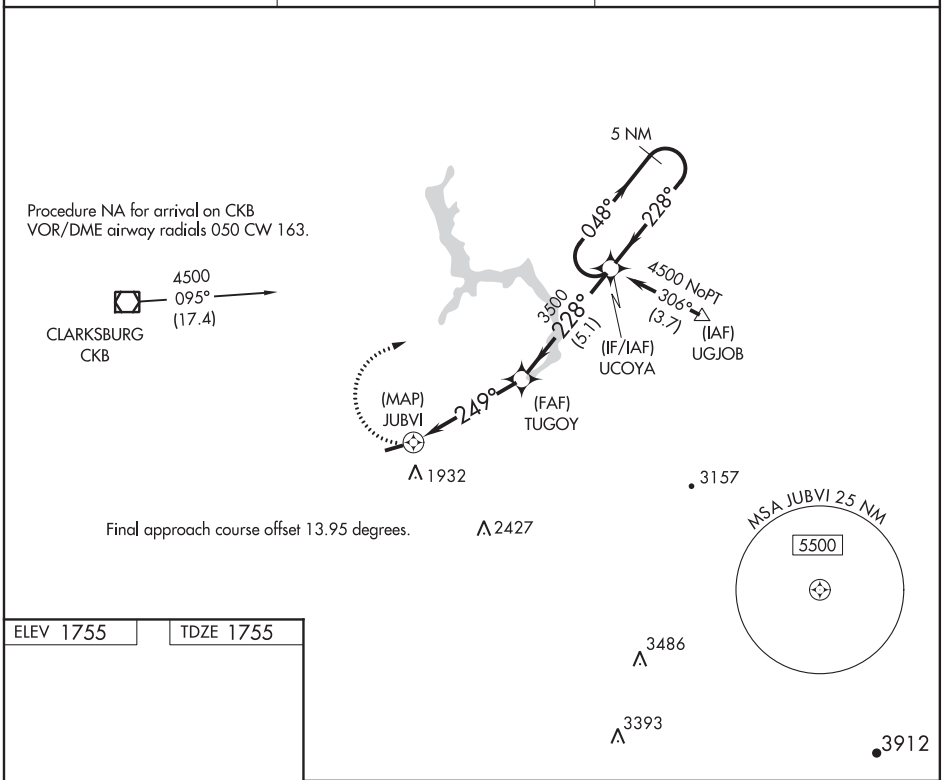
RNAV (GPS) RWY 26
PHILIPPI/BARBOUR COUNTY RGNL (79D)

Rwy 26 helicopter visibility reduction below 1 SM NA.
DME/DME RNP-0.3 NA. Procedure NA at night.
Use Clarksburg altimeter setting, when not received, use Buckhannon altimeter setting.

NA

MISSED APPROACH: Climbing right turn to 4500 direct UCOYA and hold.

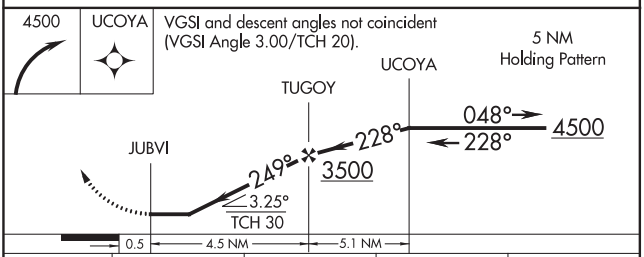
CKB ASOS	CLARKSBURG APP CON ★	CTAF
127.825	121.15 284.65	122.9 L



08 OCT 2020 to 05 NOV 2020

ELEV 1755	TDZE 1755

REIL Rwy 8 L
MIRL Rwy 8-26 L



CATEGORY	A	B	C	D
LNAV MDA	2460-1	705 (800-1)	NA	
C CIRCLING	2520-1 765 (800-1)	2520-1¼ 765 (800-1¼)	NA	

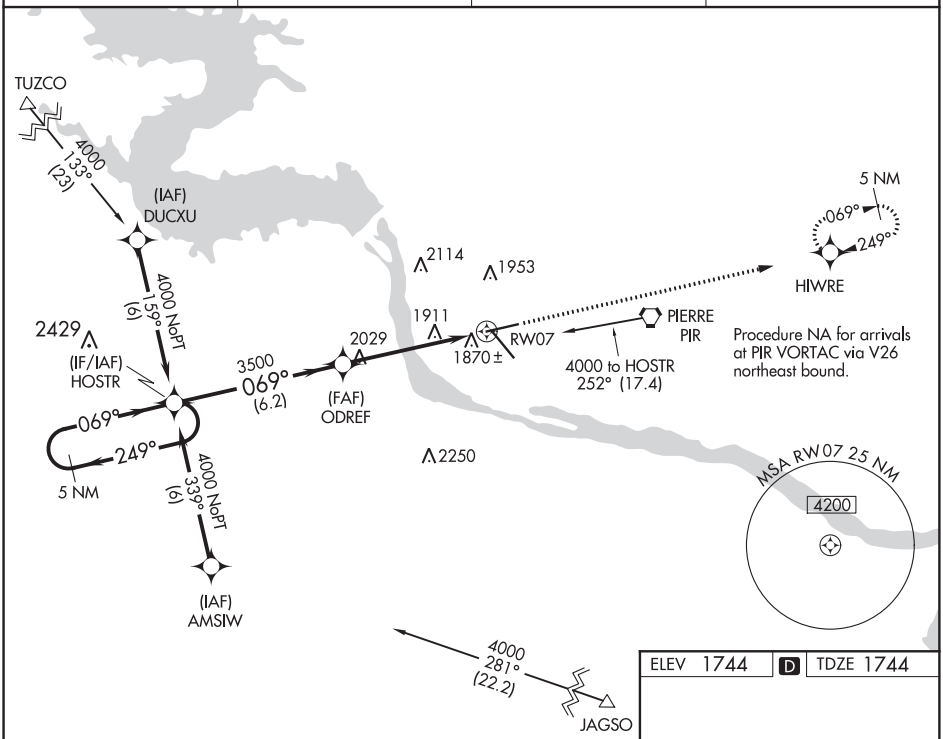
WAAS CH 45804 W07A	APP CRS 069°	Rwy ldg 6830 TDZE 1744 Apt Elev 1744

RNAV (GPS) RWY 7
PIERRE RGNL (PIR)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F).
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4000 direct HIWRE and hold.

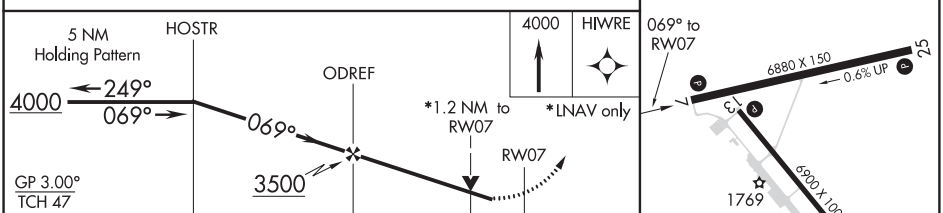
ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 1744 D TDZE 1744



CATEGORY	A	B	C	D
LPV DA	2057-1 313 (400-1)			
LNAV/VNAV DA	2170-1½ 426 (500-1½)			
LNAV MDA	2180-1 436 (500-1)		2180-1¼ 436 (500-1¼)	2180-1½ 436 (500-1½)
C CIRCLING	2240-1 496 (500-1)	2300-1 556 (600-1)	2400-1¾ 656 (700-1¾)	2460-2¼ 716 (800-2¼)

REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L

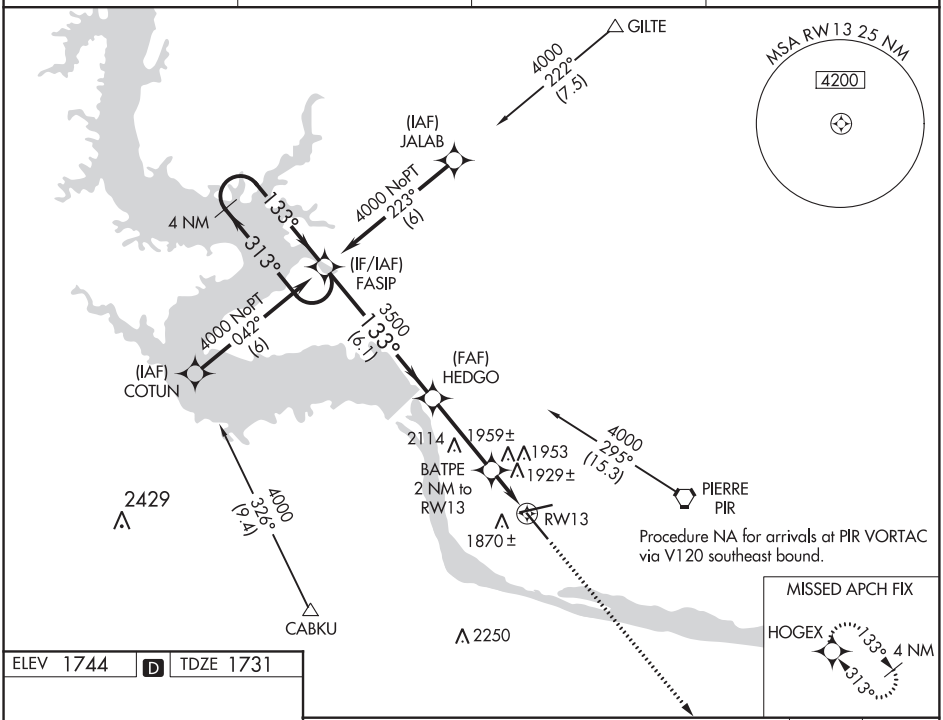
WAAS CH 53404 W13A	APP CRS 133°	Rwy ldg 6900 TDZE 1731 Apt Elev 1744

RNAV (GPS) RWY 13
PIERRE RGNL (PIR)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 4000 direct HOGEX and hold.

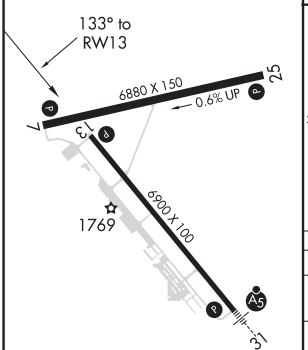
ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95



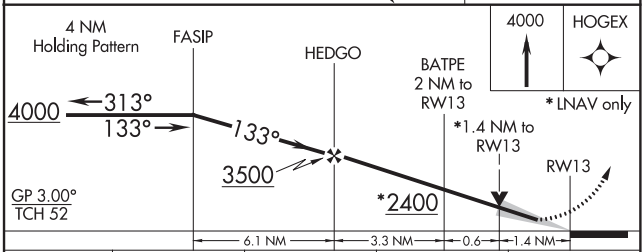
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 1744 | D | TDZE 1731



REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L



CATEGORY	A	B	C	D
LPV DA	1981-¾ 250 (300-¾)			
LNAV/VNAV DA	2285-2 554 (600-2)			
LNAV MDA	2220-1 489 (500-1)		2220-1¼ 489 (500-1¼)	2220-1½ 489 (500-1½)
C CIRCLING	2240-1 496 (500-1)	2300-1 556 (600-1)	2400-1¾ 656 (700-1¾)	2460-2¼ 716 (800-2¼)

PIERRE, SOUTH DAKOTA | AL-324 (FAA) | 20282

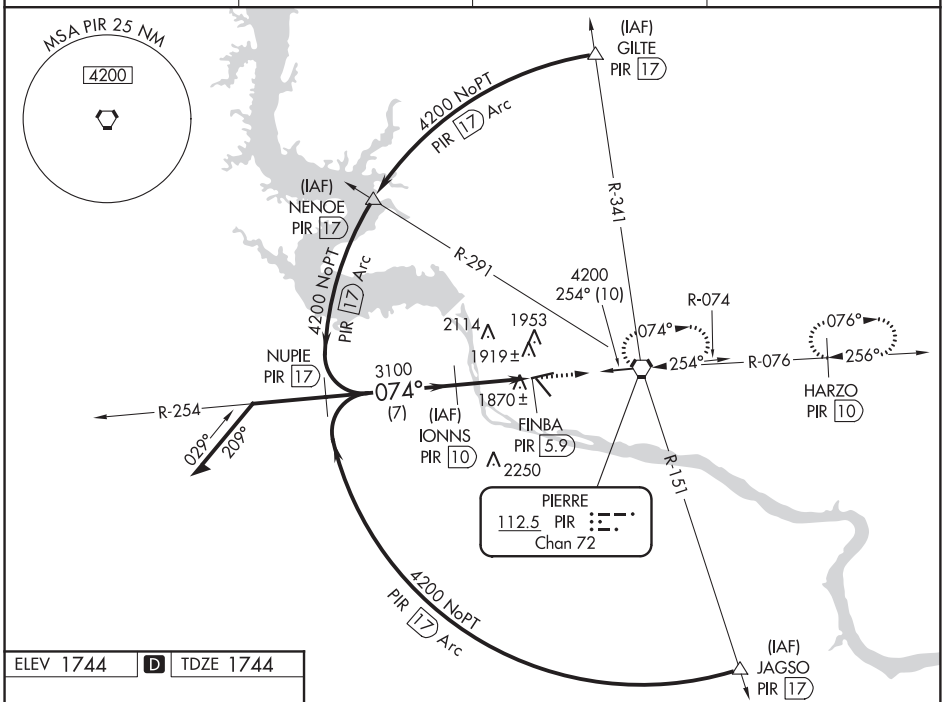
VORTAC PIR	APP CRS	Rwy ldg	6830
112.5	074°	TDZE	1744
Chan 72		Apt Elev	1744

VOR/DME or TACAN RWY 7

PIERRE RGNL (PIR)

MISSED APPROACH: Climb to 4000 then right turn direct PIR VORTAC and hold. (TACAN aircraft continue via PIR R-076 to HARZO 10 DME and hold East, right turns, 256° inbound).

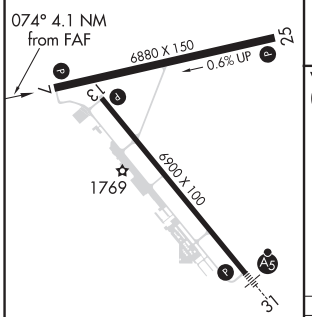
ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95



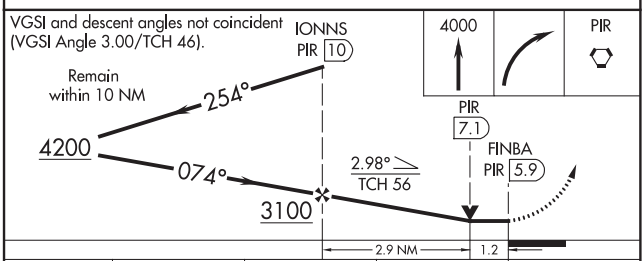
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 1744 | D | TDZE 1744



REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L



CATEGORY	A	B	C	D
S-7	2180-1 436 (500-1)		2180-1¼ 436 (500-1¼)	2180-1½ 436 (500-1½)
C CIRCLING	2240-1 496 (500-1)	2300-1 556 (600-1)	2400-1¾ 656 (700-1¾)	2460-2¼ 716 (800-2¼)

VORTAC PIR 112.5 Chan 72	APP CRS 256°	Rwy ldg 6880 TDZE 1725 Apt Elev 1744

VOR or TACAN RWY 25

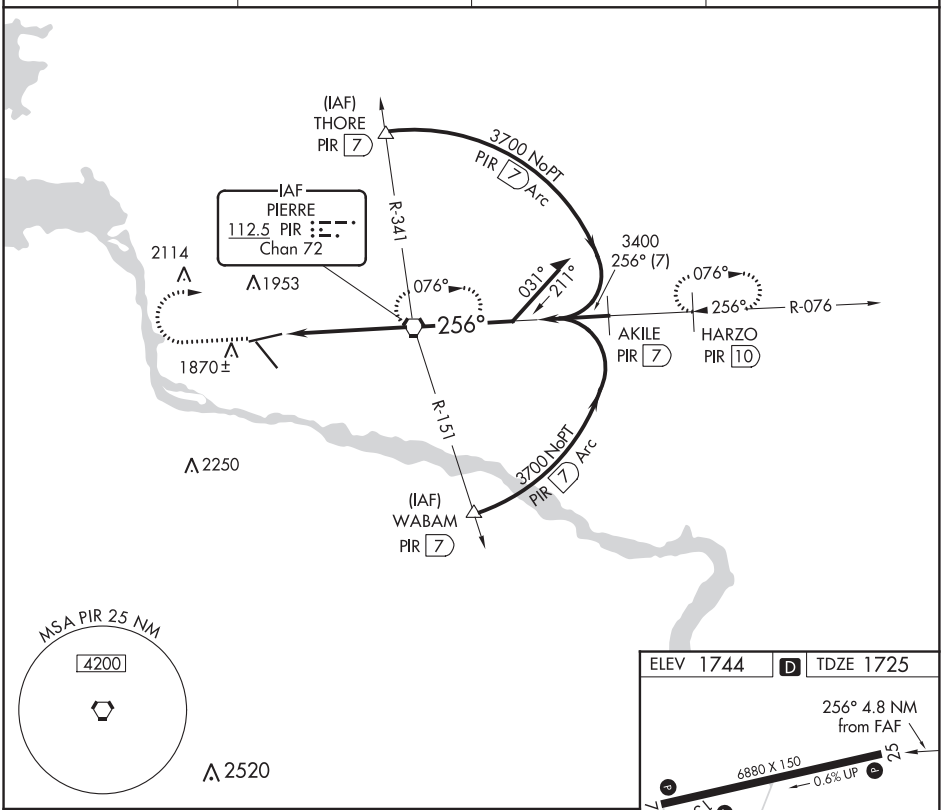
PIERRE RGNL (PIR)

T A

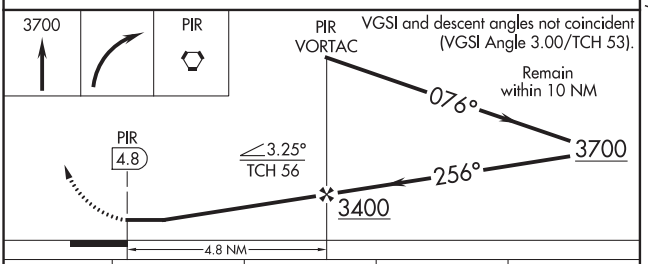
MISSED APPROACH: Climb to 3700 then right turn direct PIR VORTAC and hold. (TACAN aircraft continue via PIR R-076 to HARZO 10 DME and hold east, right turns, 256° inbound)

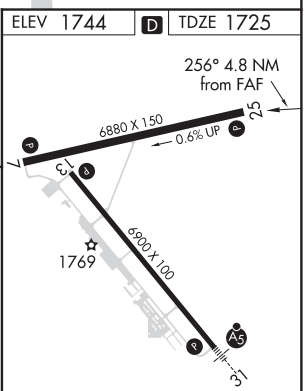
ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020





REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L

CATEGORY	A	B	C	D
S-25	2120-1 395 (400-1)			2120-1¼ 395 (400-1¼)
C CIRCLING	2240-1 496 (500-1)	2300-1 556 (600-1)	2400-1¾ 656 (700-1¾)	2460-2¼ 716 (800-2¼)

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

PINE KNOT, KENTUCKY AL-10461 (FAA) 20282

WAAS CH 70338 W04A	APP CRS 040°	Rwy ldg 2999 TDZE 1371 Apt Elev 1371

RNAV (GPS) RWY 4

MC CREARY COUNTY (18I)

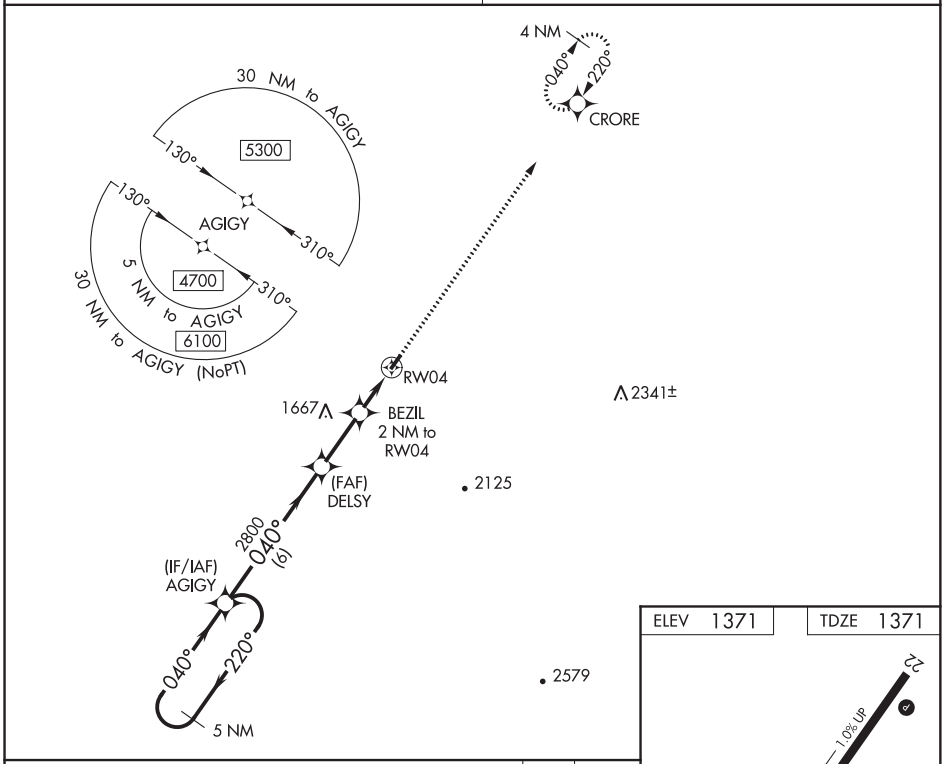
T NA

DME/DME RNP-0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA. Use Williamsburg altimeter setting, when not received use London altimeter setting and increase all MDA 40 feet and increase LP and LNAV Cat C visibility ⅛ mile, increase Circling Cat C visibility ¼ mile.

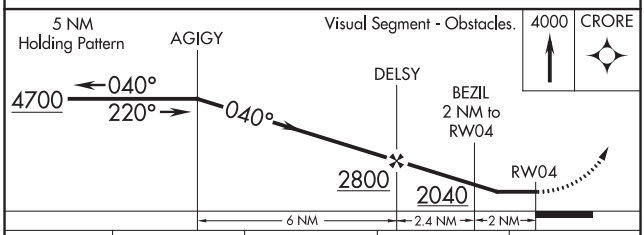
MISSED APPROACH: Climb to 4000 direct CRORE and hold.

INDIANAPOLIS CENTER	UNICOM
124.625 371.925	123.05 (CTAF) L

08 OCT 2020 to 05 NOV 2020

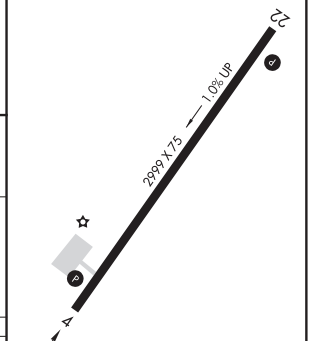


08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LP MDA	1920-1 549 (600-1)		1920-1⅝ 549 (600-1⅝)	NA
LNAV MDA	1940-1 569 (600-1)		1940-1⅝ 569 (600-1⅝)	NA
C CIRCLING	1940-1 569 (600-1)	2000-1 629 (700-1)	2020-1¾ 649 (700-1¾)	NA

ELEV 1371	TDZE 1371



MIRL Rwy 4-22 L
REIL Rwys 4 and 22 L

LOC/DME I-PYM 109.35 Chan 30 (Y)	APP CRS 056°	Rwy ldg 4350 TDZE 145 Apt Elev 148

ILS or LOC RWY 6
PLYMOUTH MUNI (PYM)

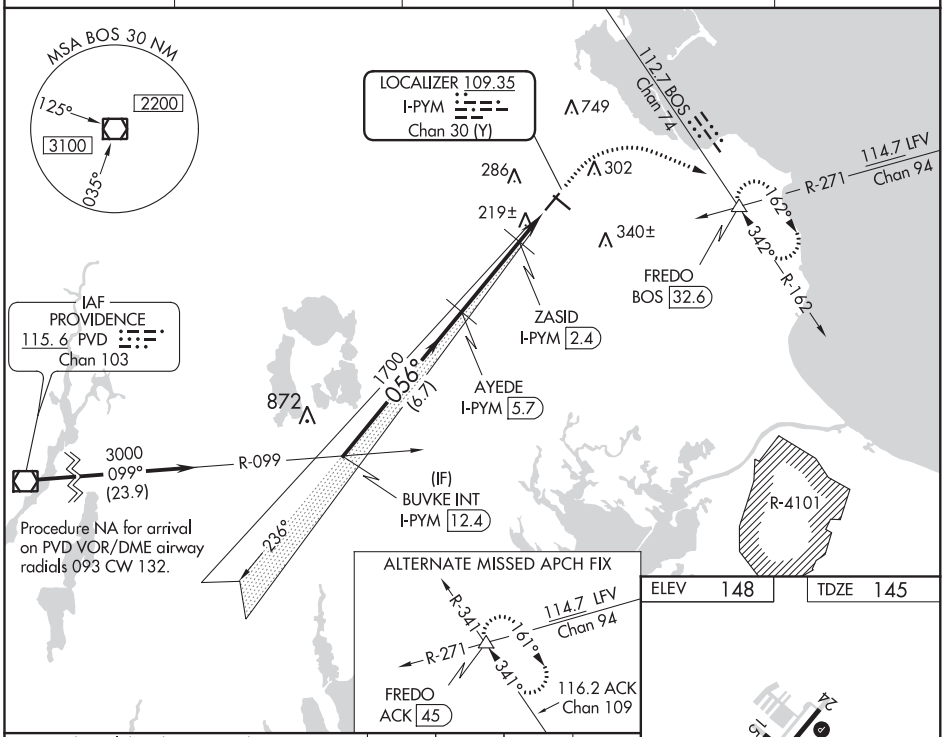
DME required for LOC only.

Circling Rwy 15 NA at night. Autopilot coupled approach NA below 1050 MSL. Rwy 6 helicopter visibility reduction below ¾ SM NA. Inop table does not apply to S-ILS-6.

MALSF

MISSED APPROACH: Climb to 600 then climbing right turn to 2000 on heading 100° and on BOS VOR/DME R-162 to FREDO INT/BOS 32.6 DME and hold.

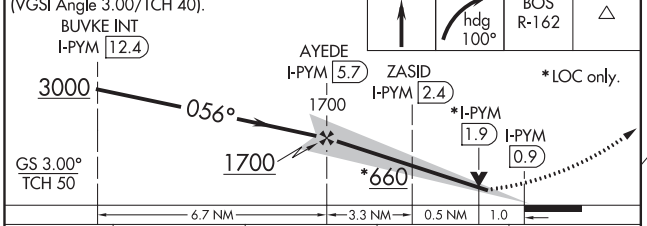
ASOS	BOSTON APP CON ★	CLNC DEL	UNICOM	
135.625	118.2 284.6	127.75	122.725 (CTAF)	122.9 L

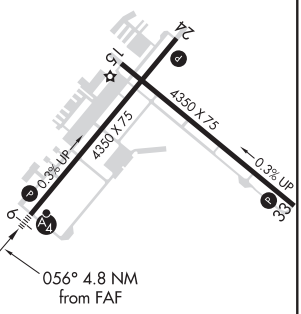


ELEV 148	TDZE 145

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 40).

600	2000 hdg 100°	BOS R-162	FREDO △





CATEGORY	A	B	C	D
S-ILS 6	345-¾ 200 (200-¾)			NA
S-LOC 6	480-¾ 335 (400-¾)			NA
C CIRCLING	620-1 472 (500-1)	640-1 492 (500-1)	740-1½ 592 (600-1½)	NA

REIL Rwy 24 L
MIRL Rwys 6-24 and 15-33 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PLYMOUTH, MASSACHUSETTS AL-5295 (FAA) 20282

WAAS CH 40422 W06A	APP CRS 056°	Rwy ldg 4350 TDZE 145 Apt Elev 148

RNAV (GPS) RWY 6
PLYMOUTH MUNI (PYM)

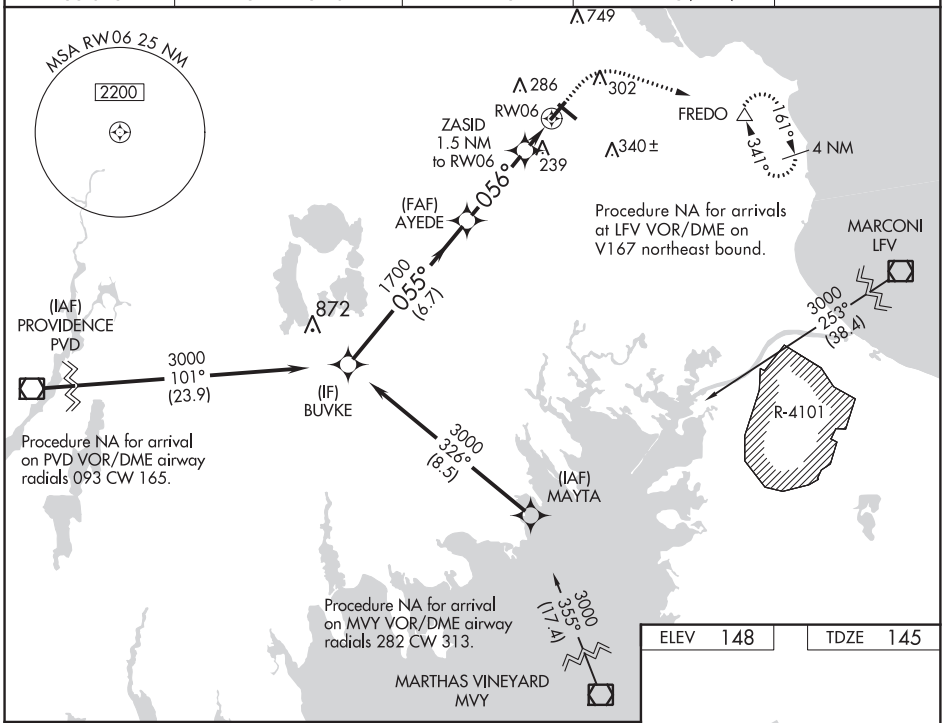
RNP APCH.

Circling Rwy 15 NA at night. Rwy 6 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Inop table does not apply to LPV. For inop ALS, increase LNAV/VNAV all Cats visibility to ⅞ SM.

MALSF

MISSED APPROACH: Climb to 600 then climbing right turn to 1900 direct FREDO and hold.

ASOS	BOSTON APP CON ★		CLNC DEL	UNICOM	
135.625	118.2	284.6	127.75	122.725 (CTAF)	122.9 L



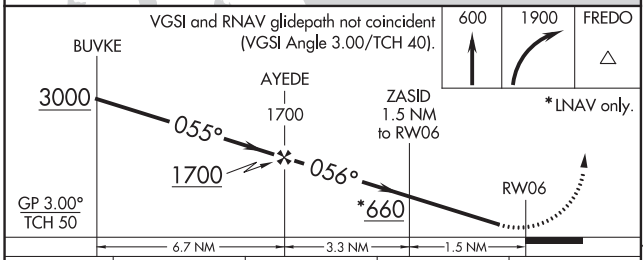
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 40).

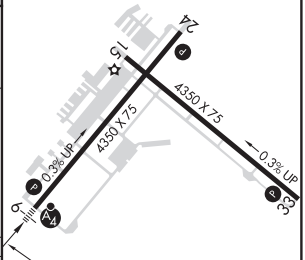
600	1900	FREDO

*LNAV only.



	A	B	C	D
LPV DA	345-¾	200 (200-¾)		NA
LNAV/VNAV DA	426-¾	281 (300-¾)		NA
LNAV MDA	500-¾	355 (400-¾)		NA
C CIRCLING	620-1 472 (500-1)	640-1 492 (500-1)	740-1½ 592 (600-1½)	NA

ELEV 148 TDZE 145



REIL Rwy 24 L
MIRL Rwys 6-24 and 15-33 L

PLYMOUTH, MASSACHUSETTS
Amdt 1D 19JUL18

41°55'N-70°44'W

PLYMOUTH MUNI (PYM)
RNAV (GPS) RWY 6

WAAS CH 93639 W15A	APP CRS 146°	Rwy ldg 4350 TDZE 147 Apt Elev 148

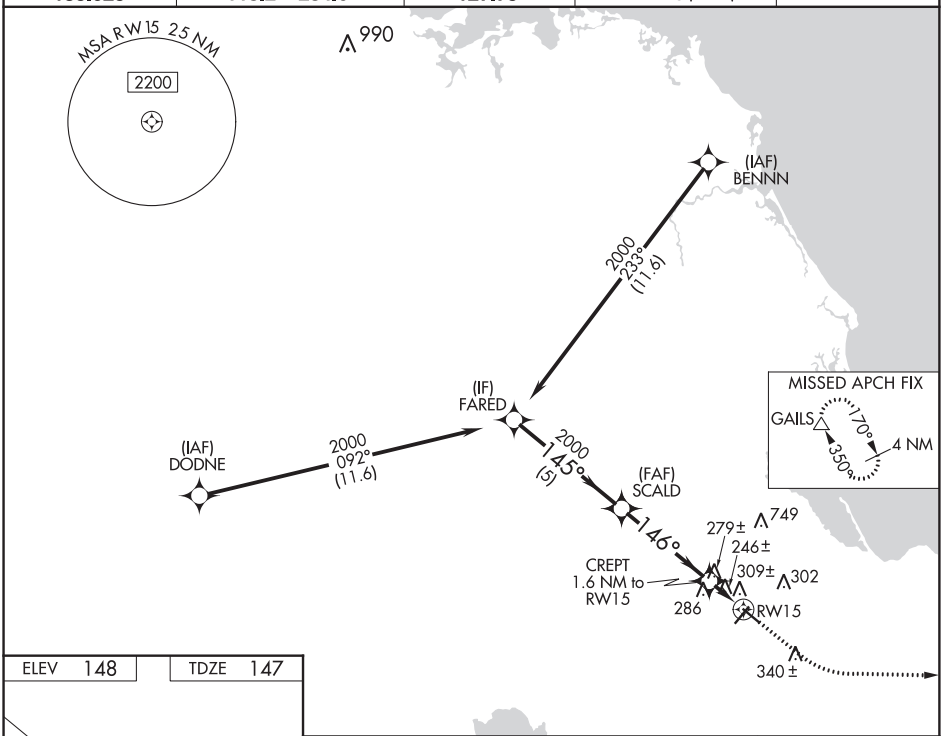
RNAV (GPS) RWY 15
PLYMOUTH MUNI (PYM)

RNP APCH.

Rwy 15 helicopter visibility reduction below 1 SM NA.
Straight-in Rwy 15 NA at night, Circling Rwy 15 NA at night.

MISSED APPROACH: Climb to 600 then climbing left turn to 2000 direct GAILS and hold.

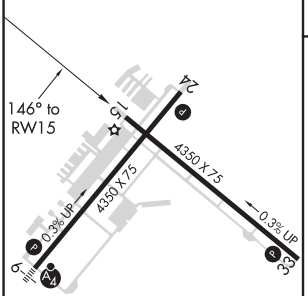
ASOS	BOSTON APP CON ★		CLNC DEL	UNICOM	
135.625	118.2	284.6	127.75	122.725 (CTAF)	122.9 L



08 OCT 2020 to 05 NOV 2020

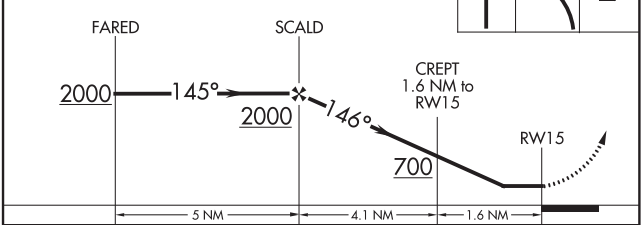
08 OCT 2020 to 05 NOV 2020

ELEV 148 TDZE 147



REIL Rwy 24 L
MIRL Rwys 6-24 and 15-33 L

Visual Segment - Obstacles. 600 2000 GAILS



CATEGORY	A	B	C	D
LP MDA	500-1 353 (400-1)			NA
LNAV MDA	560-1 413 (500-1)		560-1⅛ 413 (500-1⅛)	NA
C CIRCLING	620-1 472 (500-1)	640-1 492 (500-1)	740-1½ 592 (600-1½)	NA

PLYMOUTH, MASSACHUSETTS AL-5295 (FAA) 20282

RNAV (GPS) RWY 24
PLYMOUTH MUNI (PYM)

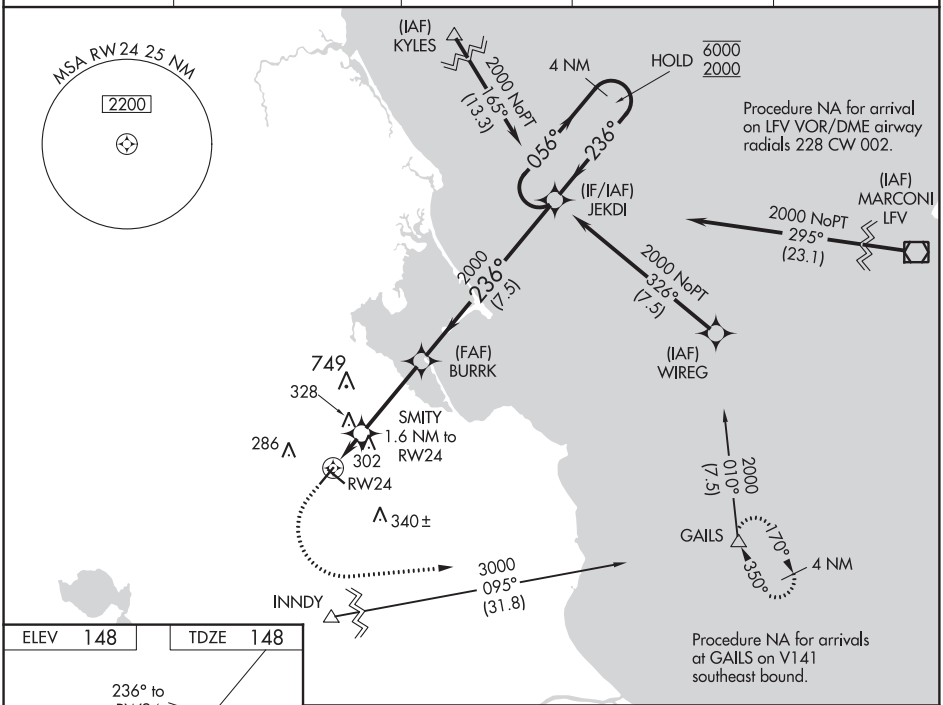
WAAS CH 42922 W24A	APP CRS 236°	Rwy ldg 4350 TDZE 148 Apt Elev 148

RNP APCH.

Circling Rwy 15 NA at night.
Rwy 24 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 640 then climbing left turn to 2000 direct GAILS and hold.

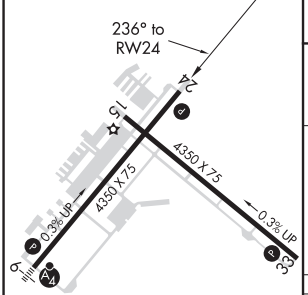
ASOS	BOSTON APP CON *	CLNC DEL	UNICOM	
135.625	118.2 284.6	127.75	122.725 (CTAF)	122.9 L

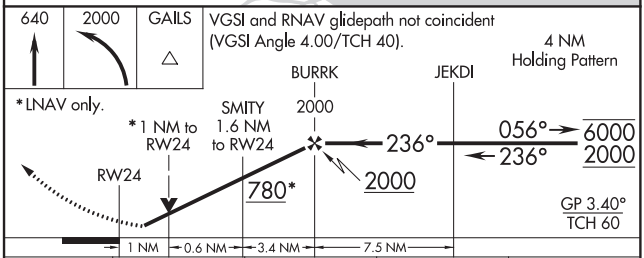


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 148 TDZE 148





CATEGORY	A	B	C	D
LPV DA	446-1 298 (300-1)			NA
LNAV/VNAV DA	445-1 297 (300-1)			NA
LNAV MDA	580-1 432 (500-1)		580-1¼ 432 (500-1¼)	NA
C CIRCLING	620-1 472 (500-1)	640-1 492 (500-1)	740-1½ 592 (600-1½)	NA

REIL Rwy 24 L
MIRL Rwys 6-24 and 15-33 L

WAAS CH 63241 W33A	APP CRS 326°	Rwy ldg 4350 TDZE 142 Apt Elev 148

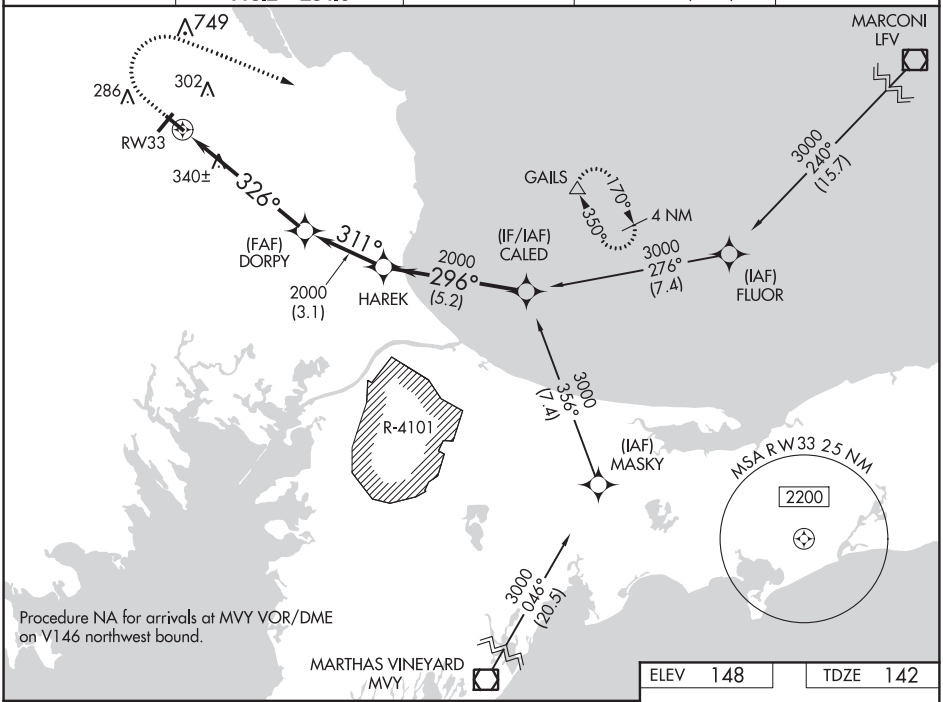
RNAV (GPS) RWY 33
PLYMOUTH MUNI (PYM)

RNP APCH.

Circling Rwy 15 NA at night. Rwy 33 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.

MISSED APPROACH: Climb to 700 then climbing right turn to 3000 direct GAILS and hold.

ASOS	BOSTON APP CON *	CLNC DEL	UNICOM	
135.625	118.2 284.6	127.75	122.725 (CTAF)	122.9 L



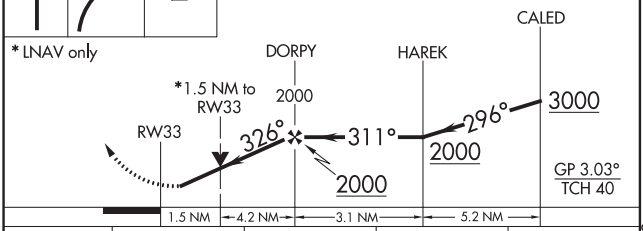
Procedure NA for arrivals at MVY VOR/DME on V146 northwest bound.

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

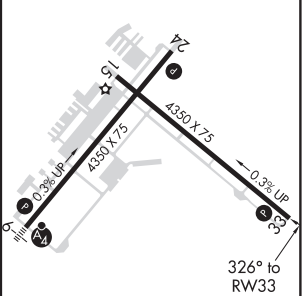
700	3000	GAILS

* LNAV only



CATEGORY	A	B	C	D
LPV DA	393-¾ 251 (300-¾)			NA
LNAV/VNAV DA	486-1 344 (400-1)			NA
LNAV MDA	660-1 518 (600-1)		660-1⅜ 518 (600-1⅜)	NA
C CIRCLING	660-1 512 (600-1)		760-1¾ 612 (700-1¾)	NA

ELEV 148 TDZE 142



REIL Rwy 24 L
MIRL Rwys 6-24 and 15-33 L

POCAHONTAS, ARKANSAS

AL-5852 (FAA)

20282

RNAV (GPS) RWY 18

POCAHONTAS MUNI (M70)

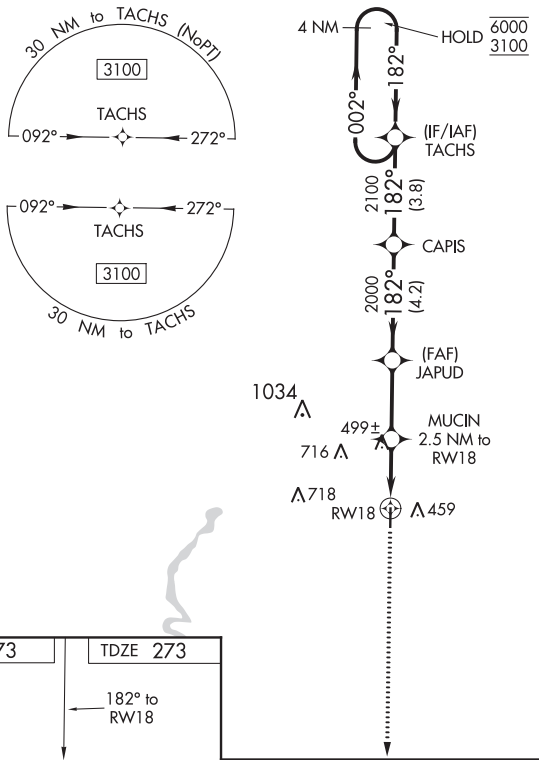
WAAS CH 45543 W18A	APP CRS 182°	Rwy ldg 4000 TDZE 273 Apt Elev 273

RNP APCH.

Rwy 18 helicopter visibility reduction below ¾ SM NA.
Baro-VNAV NA. Use Walnut Ridge altimeter setting.

MISSED APPROACH: Climb to 3100 direct HAVUK and hold.

AGR AWOS-3PT	MEMPHIS CENTER	UNICOM
135.925	120.075 289.4	122.8 (CTAF) L



08 OCT 2020 to 05 NOV 2020

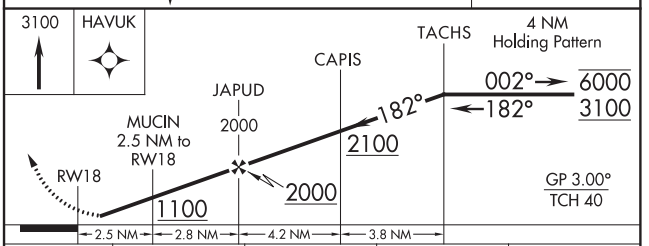
08 OCT 2020 to 05 NOV 2020

MISSED APCH FIX

ELEV 273 | TDZE 273

182° to RW18

REIL Rwy 18 L
MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LPV DA	571-1 298 (300-1)			
LNAV/VNAV DA	733-1⅜ 460 (500-1⅜)			
LNAV MDA	780-1 507 (600-1)		780-1⅜ 507 (600-1⅜)	
C CIRCLING	900-1 627 (700-1)		1100-2½ 827 (900-2½)	1100-2¾ 827 (900-2¾)

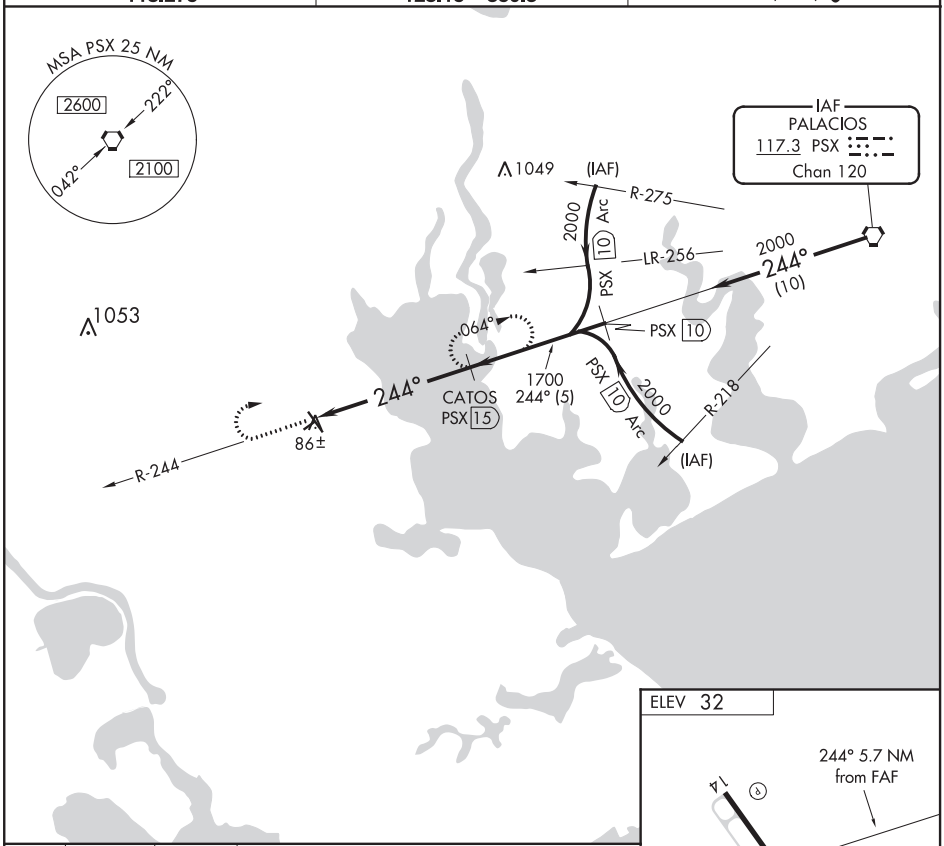
VOR/DME-A
CALHOUN COUNTY (PKV)

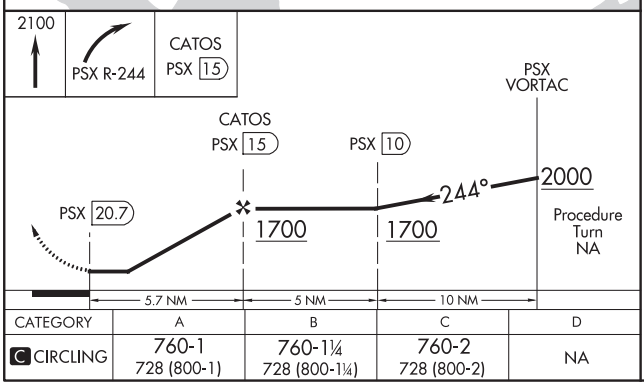
VORTAC PSX 117.3 Chan 120	APP CRS 244°	Rwy ldg N/A TDZE N/A Apt Elev 32

When local altimeter setting not received, use Victoria altimeter setting. Circling NA to Rwys 5 and 23. Night landing: Rwy 32 NA.

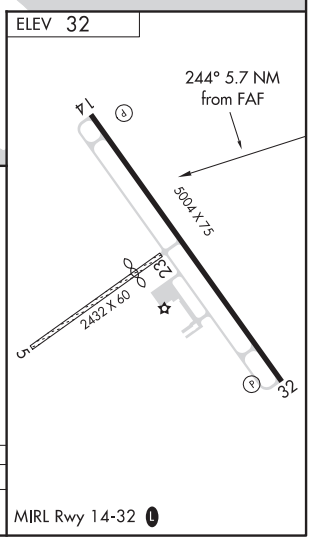
MISSED APPROACH: Climb to 2100, then right turn via PSX VORTAC R-244 to CATOS/PSX 15 DME and hold.

AWOS-3	HOUSTON CENTER	UNICOM
118.275	128.15 350.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
C CIRCLING	760-1 728 (800-1)	760-1¼ 728 (800-1¼)	760-2 728 (800-2)	NA



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PORTLAND, OREGON

AL-330 (FAA)

20282

ILS or LOC RWY 10L
PORTLAND INTL (PDX)

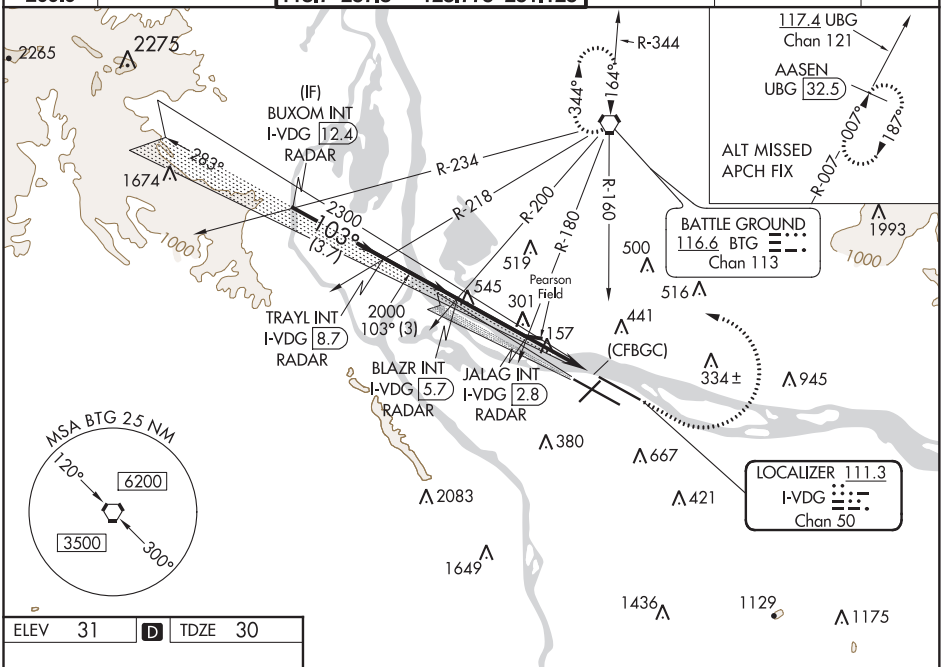
LOC/DME I-VDG	APP CRS	Rwy ldg	8535
111.3	103°	TDZE	30
Chan 50		Apt Elev	31

Simultaneous approach authorized with Rwy 10R.
For inoperative MALSR, increase S-ILS visibility all Cats to RVR 4500.
S-LOC Cat E visibility to RVR 6000. RADAR or DME required.

MALSR

MISSED APPROACH: Climb to 800 then climbing left turn to 4200 on BTG VORTAC R-160 to BTG VORTAC and hold, continue climb-in-hold to 4200.

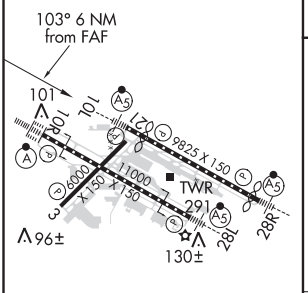
D-ATIS	PORTLAND APP CON	PORTLAND TOWER Rwy 10L-28R	PORTLAND TOWER Rwys 3-21, 10R-28L	GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	118.7 257.8	123.775 251.125	121.9 348.6	120.125 318.1	



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

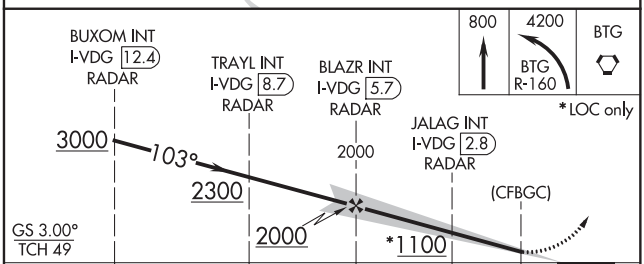
ELEV 31 | D | TDZE 30



REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

FAF to MAP 5.6 NM					
Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

RADAR REQUIRED



CATEGORY	A	B	C	D	E
S-ILS 10L	293/24 263 (300-½)				
S-LOC 10L	420/24 390 (400-½)		420/35 390 (400-⅝)		
C CIRCLING	720-1 689 (700-1)	760-1 729 (800-1)	1060-3 1029 (1100-3)		1140-3 1109 (1200-3)

LOC/DME I-PDX	APP CRS		10R	10L
110.5	103°	Rwy ldg	11000	8535
Chan 42		TDZE	24	30
		Apt Elev	31	31

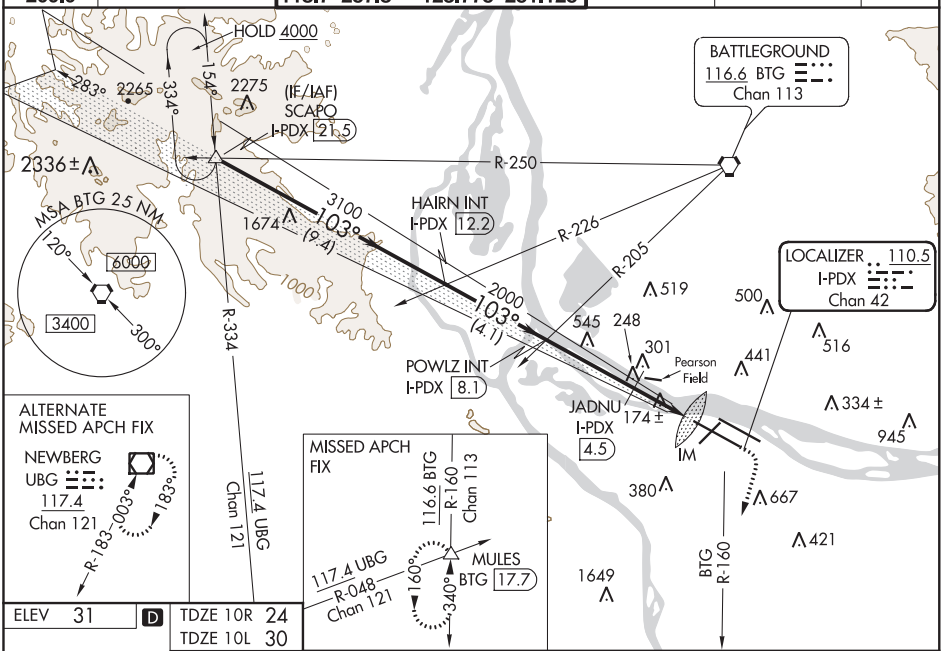
ILS or LOC RWY 10R
PORTLAND INTL (PDX)

Simultaneous approach authorized. Inop table does not apply to Sidestep LOC 10L. For inop ALS increase S-ILS 10R Cat E visibility to RVR 4000. For inop ALS increase S-LOC 10R Cat C/D/E visibility to 2½ SM. For inop ALS increase JADNU fix minimums S-LOC 10R Cat C/D/E visibility to RVR 6000. Sidestep NA until passing JADNU.

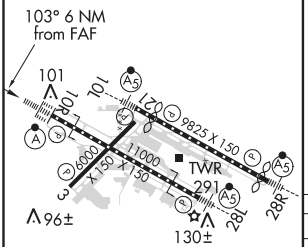
ALSF-2 Rwy 10R (A) | MALSR Rwy 10L (A5)

MISSED APPROACH: Climb to 1100 then climbing right turn to 5000 on BTG VORTAC R-160 to MULES/ BTG 17.7 DME and hold, continue climb-in-hold to 5000.

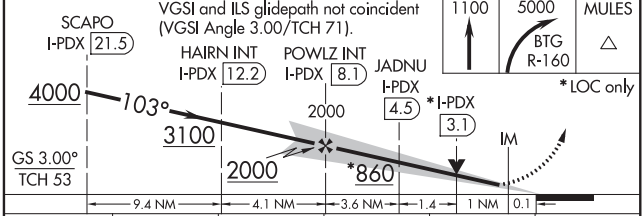
D-ATIS	PORTLAND APP CON	PORTLAND TOWER		GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	Rwy 10L-28R 118.7 257.8	Rwys 3-21, 10R-28L 123.775 251.125	121.9 348.6	120.125 318.1	



ELEV 31	D	TDZE 10R 24
		TDZE 10L 30



VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 71).



CATEGORY	A	B	C	D	E
S-ILS 10R	224/18 200 (200-½)				
S-LOC 10R	860/24 836 (900-½)	860/40 836 (900-¾)	860-1⅞ 836 (900-1⅞)		
C CIRCLING	860-1¼ 829 (900-1¼)		1060-3 1029 (1100-3)		1140-3 1109 (1200-3)
JADNU FIX MINIMUMS					
S-LOC 10R	440/24 416 (500-½)		440/40 416 (500-¾)		
SIDESTEP 10L	800-1 770 (800-1)	800-1¼ 770 (800-1¼)	800-2½ 770 (800-2½)		800-2¾ 770 (800-2¾)

REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PORTLAND, OREGON | AL-330 (FAA) | 20282

ILS RWY 10R (SA CAT I)
PORTLAND INTL (PDX)

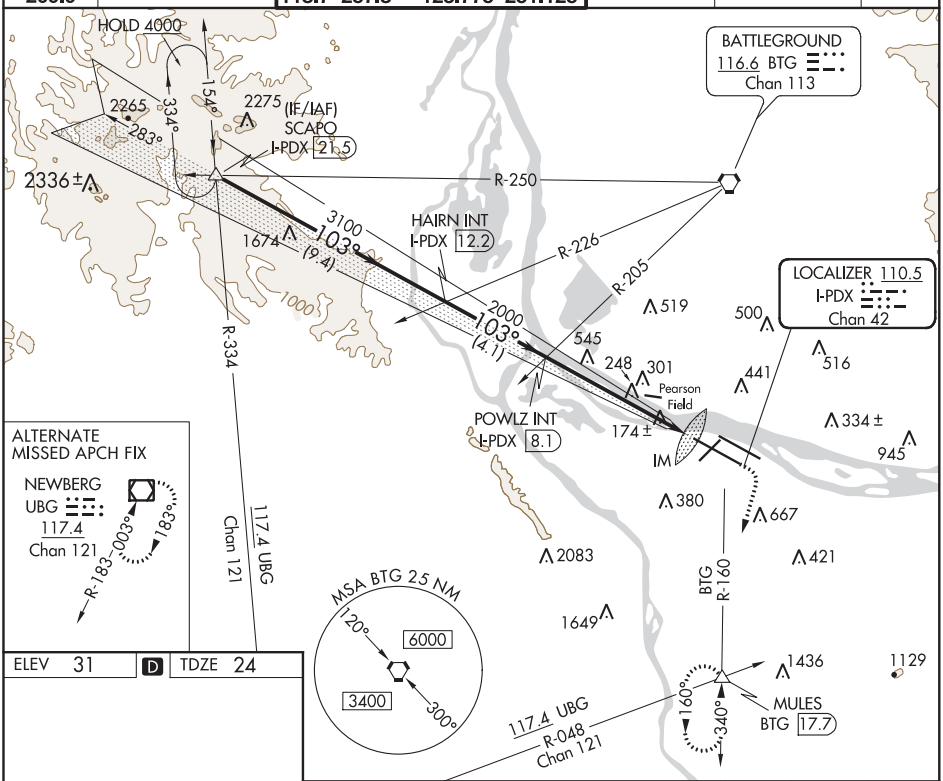
LOC/DME I-PDX	APP CRS	Rwy ldg	11000
110.5	103°	TDZE	24
Chan 42		Apt Elev	31

Simultaneous approach authorized.
Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

ALSF-2

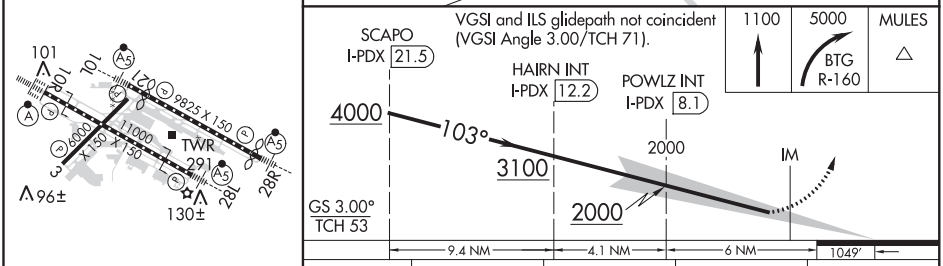
MISSED APPROACH: Climb to 1100 then climbing right turn to 5000 on BTG VORTAC R-160 to MULES/BTG 17.7 DME and hold, continue climb-in-hold to 5000.

D-ATIS	PORTLAND APP CON	PORTLAND TOWER		GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	Rwy 10L-28R 118.7 257.8	Rwys 3-21, 10R-28L 123.775 251.125	121.9 348.6	120.125 318.1	



08 OCT 2020 to 05 NOV 2020

ELEV 31 | D | TDZE 24



CATEGORY	A	B	C	D
S-ILS 10R	RA 157/14 150 DA 174			

REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

SA CATEGORY I ILS-SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

LOC/DME I-PDX	APP CRS	Rwy ldg	11000
110.5	103°	TDZE	24
Chan 42		Apt Elev	31

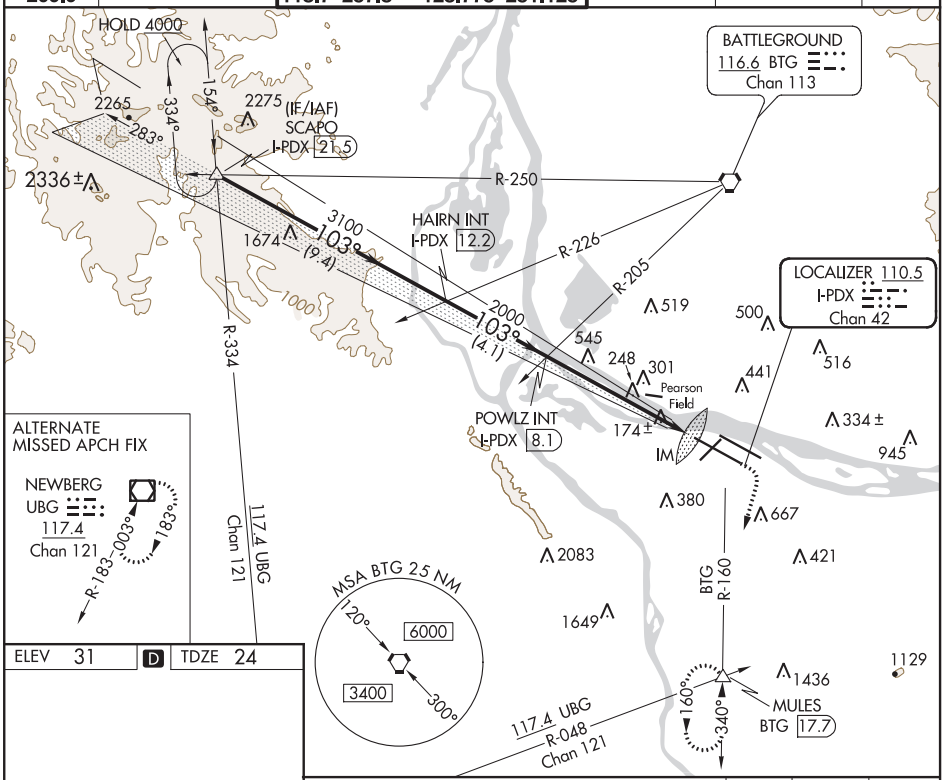
ILS RWY 10R (CAT II & III)
PORTLAND INTL (PDX)

Simultaneous approach authorized.
CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

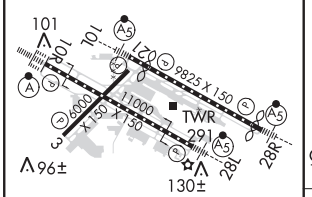
ALSF-2

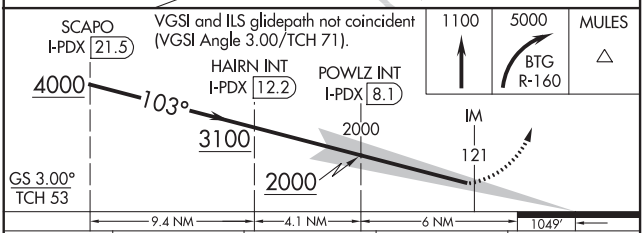
MISSED APPROACH: Climb to 1100 then climbing right turn to 5000 on BTG VORTAC R-160 to MULES/BTG 17.7 DME and hold, continue climb-in-hold to 5000.

D-ATIS	PORTLAND APP CON	PORTLAND TOWER		GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	Rwy 10L-28R 118.7 257.8	Rwys 3-21, 10R-28L 123.775 251.125	121.9 348.6	120.125 318.1	



ELEV 31	D	TDZE 24





CATEGORY	A	B	C	D
S-ILS 10R	CAT II RA 107/12 100 DA 124			
S-ILS 10R	CAT III RVR 03			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WAAS CH 81804 W10B	APP CRS 103°	Rwy ldg 8535 TDZE 30 Apt Elev 31

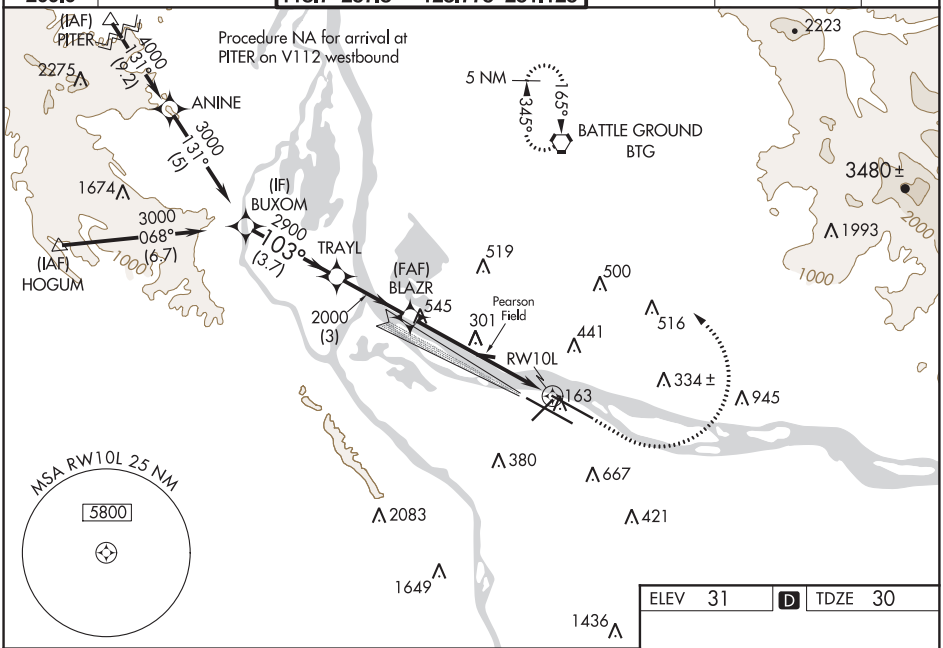
RNAV (GPS) Y RWY 10L
PORTLAND INTL (PDX)

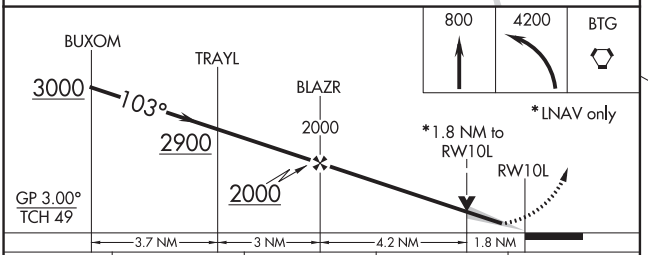
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 10R. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations. For inoperative MALSR, increase LPV visibility all Cats to RVR 4500. Increase LNAV/VNAV visibility all Cats to 1¼ mile, and LNAV Cat C and D visibility to 1¾ mile.

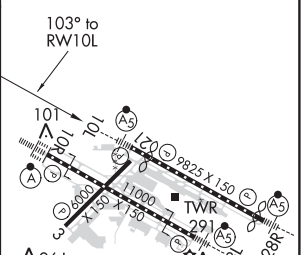
MALSR

MISSED APPROACH: Climb to 800 then climbing left turn to 4200 direct BTG VORTAC and hold, continue climb-in-hold to 4200.

D-ATIS	PORTLAND APP CON	PORTLAND TOWER Rwy 10L-28R	PORTLAND TOWER Rwys 3-21, 10R-28L	GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	118.7 257.8	123.775 251.125	121.9 348.6	120.125 318.1	







CATEGORY	A	B	C	D
LPV DA	296/24 266 (300-½)			
LNAV/VNAV DA	413/45 383 (400-⅞)			
LNAV MDA	640-1 610 (700-1)		640-1⅜ 610 (700-1⅜)	
C CIRCLING	720-1 689 (700-1)	760-1 729 (800-1)	1060-3 1029 (1100-3)	

REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WAAS CH 40004 W10A	APP CRS 103°	Rwy ldg 11000 TDZE 24 Apt Elev 31

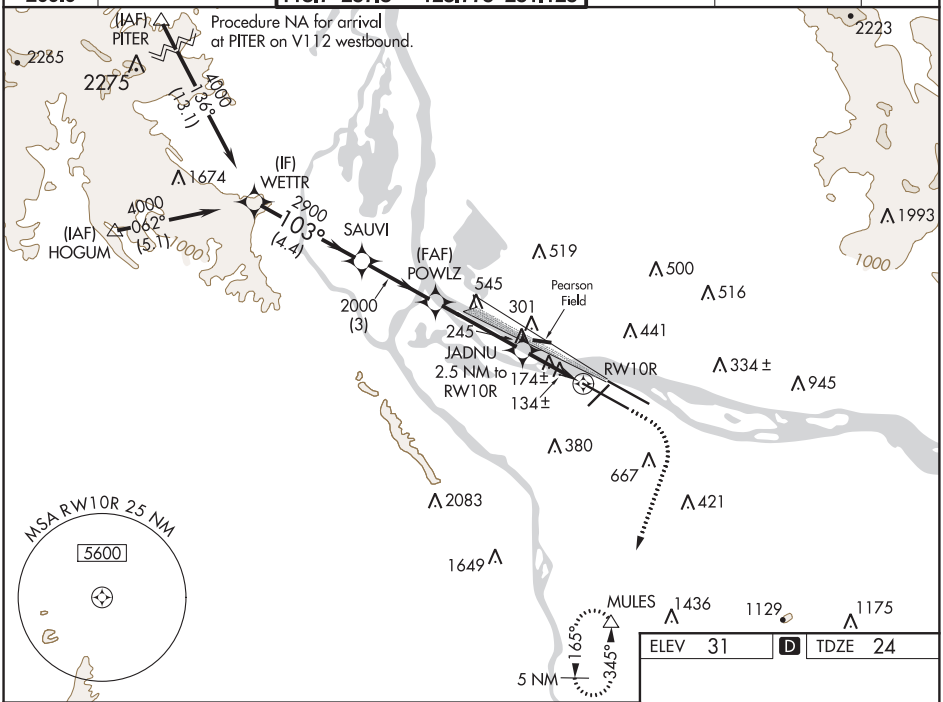
RNAV (GPS) Y RWY 10R
PORTLAND INTL (PDX)

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. Simultaneous approach authorized with Rwy 10L. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

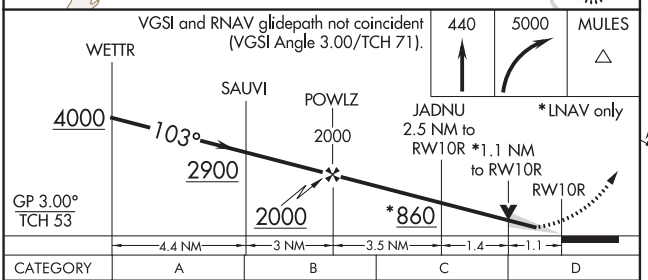
ALSF-2

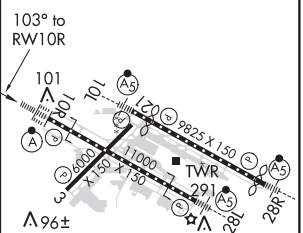
MISSED APPROACH: Climb to 440 then climbing right turn to 5000 direct MULES and hold.

D-ATIS	PORTLAND APP CON	PORTLAND TOWER	GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	Rwy 10L-28R: 118.7 257.8 Rwys 3-21, 10R-28L: 123.775 251.125	121.9 348.6	120.125 318.1	



ELEV 31	D	TDZE 24





	CATEGORY	A	B	C	D
LPV	DA	224/18 200 (200-½)			
LNAV/VNAV	DA	329/24 305 (300-½)			
LNAV	MDA	440/24 416 (500-½)		440/40 416 (500-¾)	
C CIRCLING		720-1 689 (700-1)	760-1 729 (800-1)	1060-3 1029 (1100-3)	

REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PORTLAND, OREGON AL-330 (FAA) 20282

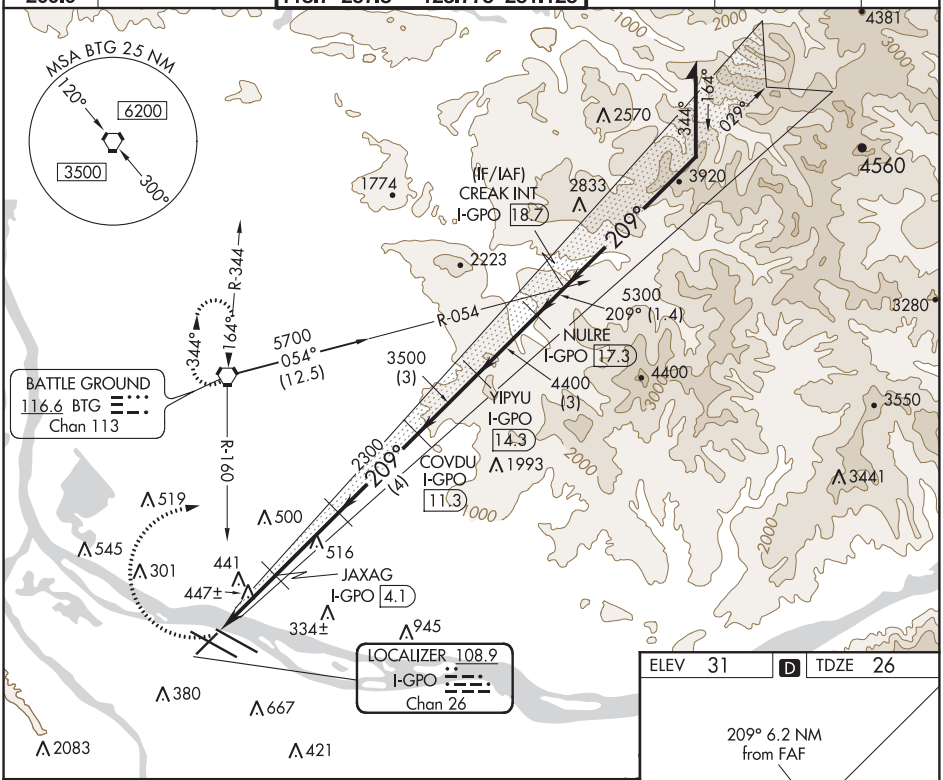
LOC/DME RWY 21
PORTLAND INTL (PDX)

LOC/DME I-GPO	APP CRS	Rwy ldg	6000
108.9	209°	TDZE	26
Chan 26		Apt Elev	31

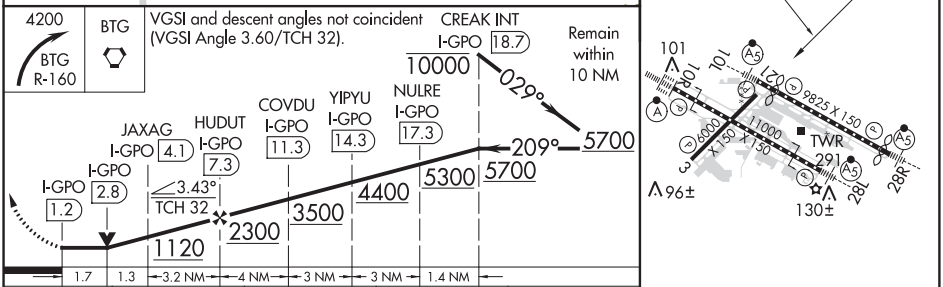
Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climbing right turn to 4200 on BTG VORTAC R-160 to BTG VORTAC and hold, continue climb-in-hold to 4200.

D-ATIS	PORTLAND APP CON	PORTLAND TOWER Rwy 10L-28R	PORTLAND TOWER Rwys 3-21, 10R-28L	GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	118.7 257.8	123.775 251.125	121.9 348.6	120.125 318.1	



ELEV 31 D TDZE 26



CATEGORY	A	B	C	D
S-21	700-1 674 (700-1)		700-1⅞ 674 (700-1⅞)	
C CIRCLING	720-1 689 (700-1)	760-1 729 (800-1)	1060-3 1029 (1100-3)	

REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

08 OCT 2020 to 05 NOV 2020

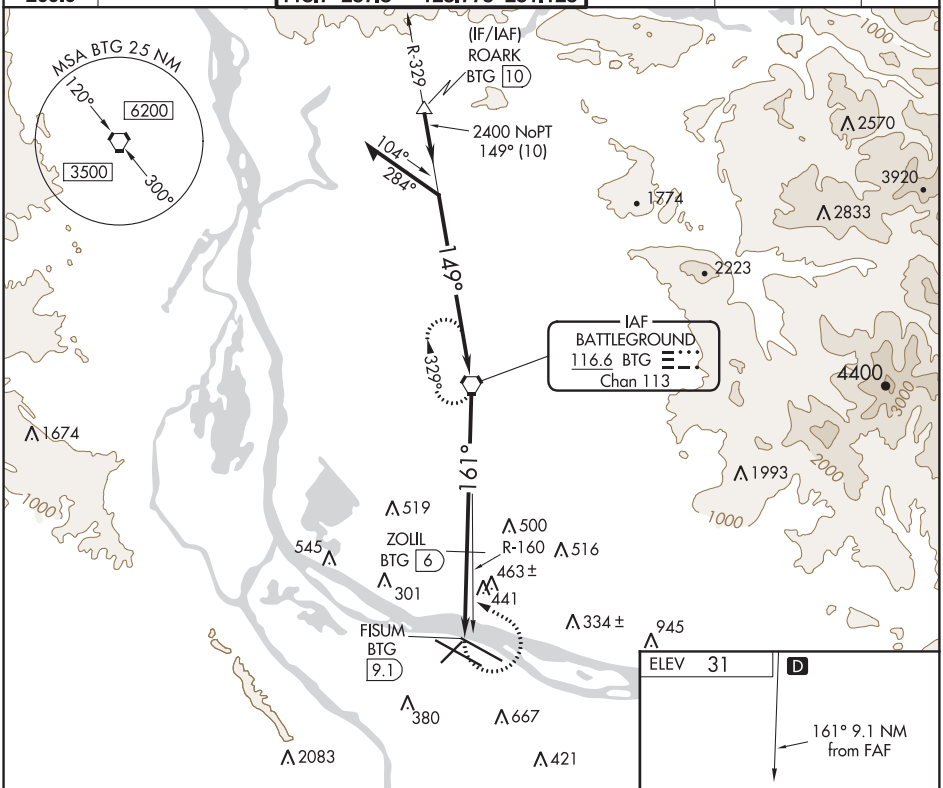
08 OCT 2020 to 05 NOV 2020

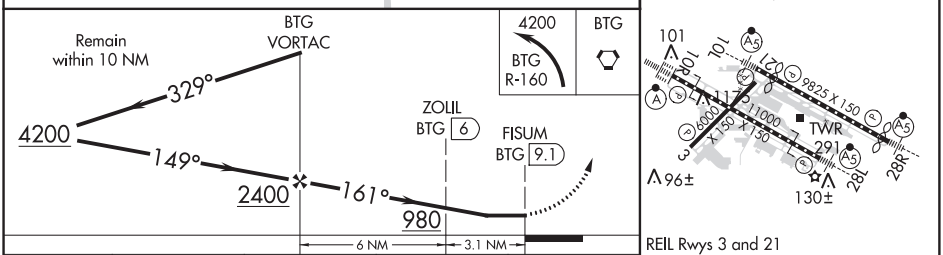
VORTAC BTG	APP CRS	Rwy ldg	N/A
116.6	161°	TDZE	N/A
Chan 113		Apt Elev	31

VOR-A
PORTLAND INTL (PDX)

MISSED APPROACH: Climbing left turn to 4200 via BTG R-160 to BTG VORTAC and hold, continue climb-in-hold to 4200.

D-ATIS	PORTLAND APP CON	PORTLAND TOWER		GND CON	CLNC DEL	CPDLC
128.35 269.9	124.35 299.2	Rwy 10L-28R 118.7 257.8	Rwys 3-21, 10R-28L 123.775 251.125	121.9 348.6	120.125 318.1	





REIL Rwys 3 and 21
TDZ/CL Rwy 10R
MIRL Rwy 3-21
HIRL Rwys 10L-28R and 10R-28L

CATEGORY	A	B	C	D
C CIRCLING	980-1¼ 949 (1000-1¼)		1060-3 1029 (1100-3)	

ZOLIL FIX MINIMUMS

C CIRCLING	720-1 689 (700-1)	760-1 729 (800-1)	1060-3 1029 (1100-3)	

FAF to MAP 9.1 NM

Knots	60	90	120	150	180
Min:Sec	9:06	6:04	4:33	3:38	3:02

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LOC I-HIO	APP CRS	Rwy ldg	6600
110.7	128°	TDZE	203
		Apt Elev	208

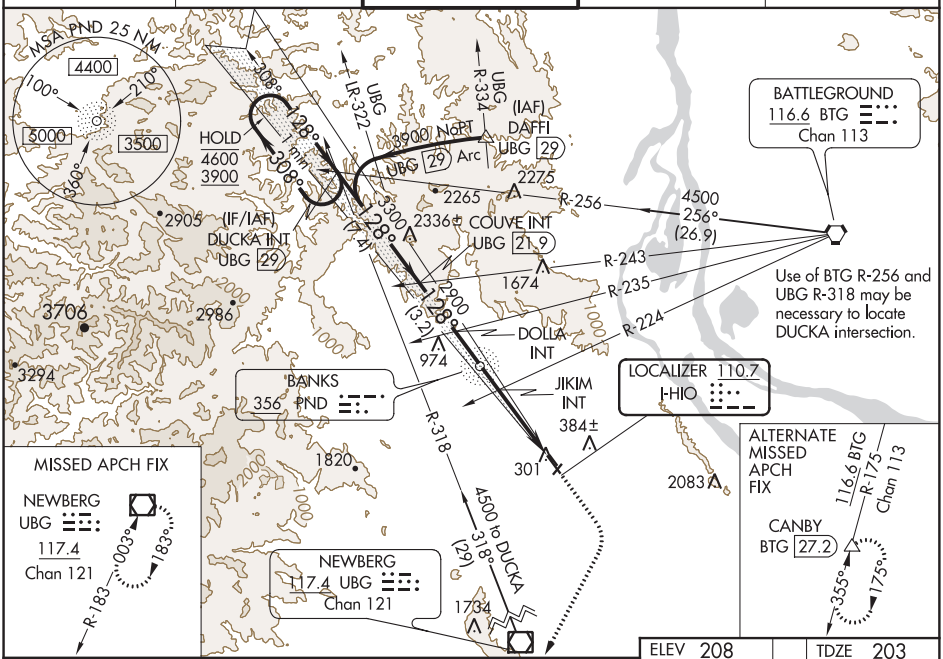
ILS or LOC RWY 13R
PORTLAND-HILLSBORO (HIO)

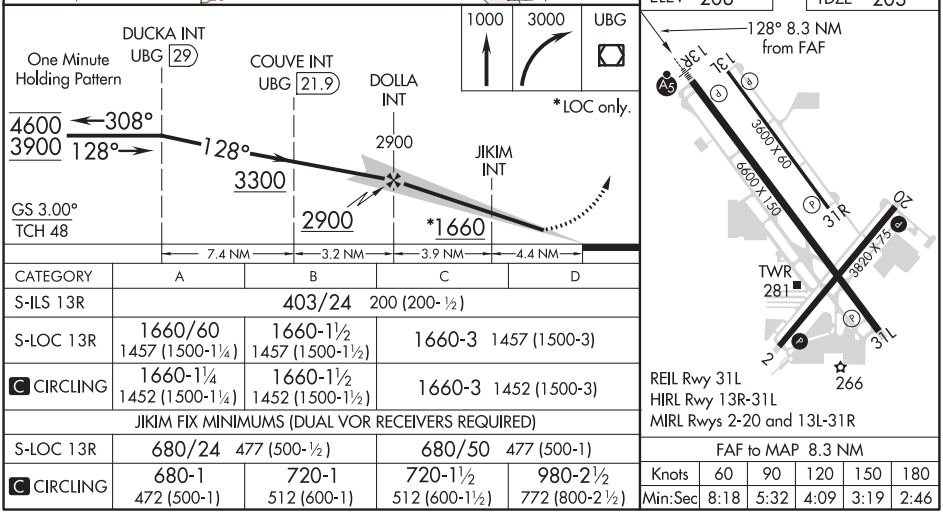
Circling to Rwy 13L, 31R NA at night. Inop table does not apply to S-LOC Rwy 13R all Cats. For inop ALS, increase JIKIM fix minimums Cat C/D visibility to 1⅜ SM.

MALSR

MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct UBG VOR/DME and hold. Continue climb-in-hold to 3000.

ATIS	PORTLAND APP CON	HILLSBORO TOWER *	GND CON	UNICOM
127.65	126.0 269.175	119.3 (CTAF) 239.3	121.7	122.95





CATEGORY	A	B	C	D
S-ILS 13R	403/24 200 (200-½)			
S-LOC 13R	1660/60 1457 (1500-1¼)	1660-1½ 1457 (1500-1½)	1660-3 1457 (1500-3)	
C CIRCLING	1660-1¼ 1452 (1500-1¼)	1660-1½ 1452 (1500-1½)	1660-3 1452 (1500-3)	
JIKIM FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)				
S-LOC 13R	680/24 477 (500-½)		680/50 477 (500-1)	
C CIRCLING	680-1 472 (500-1)	720-1 512 (600-1)	720-1½ 512 (600-1½)	980-2½ 772 (800-2½)

FAF to MAP 8.3 NM					
Knots	60	90	120	150	180
Min:Sec	8:18	5:32	4:09	3:19	2:46

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

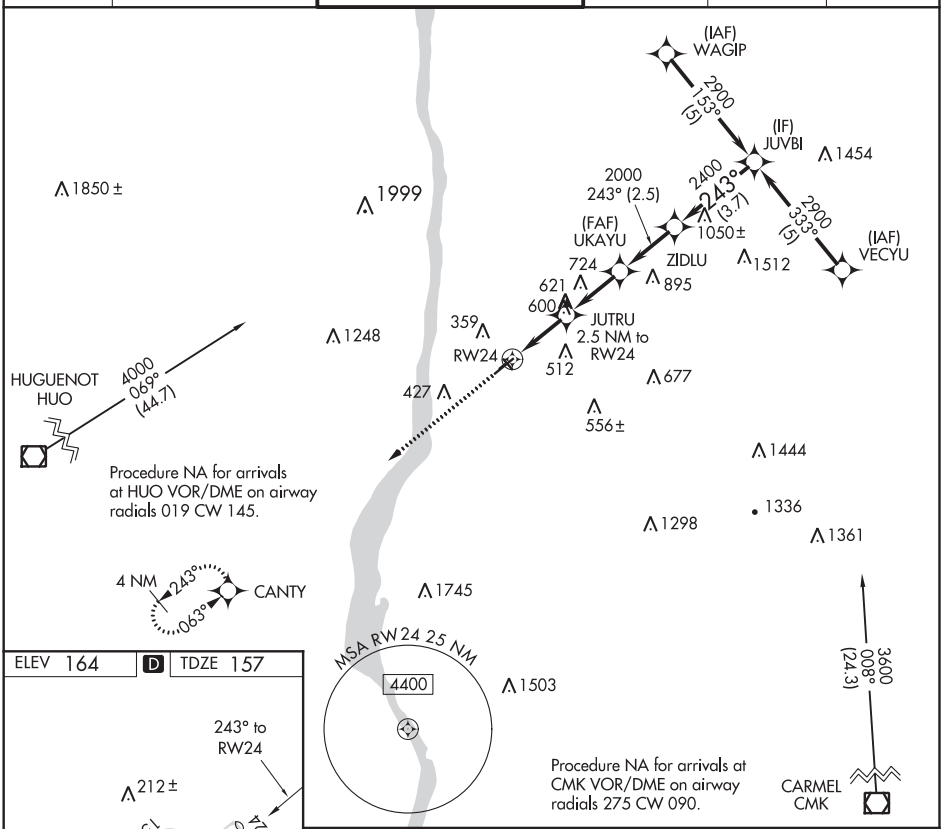
APP CRS	Rwy ldg	4886
243°	TDZE	157
	Apt Elev	164

RNAV (GPS) RWY 24
HUDSON VALLEY RGNL (POU)

Circling NA to Rwys 7 and 25. Circling Rwy 15, 33 NA at night. Rwy 24 helicopter visibility reduction below ¾ SM NA. Rwy 15, 33 helicopter visibility reduction below 1 NA. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Montgomery altimeter setting and increase all MDA 80 feet, and LNAV Cat C and Circling Cats A, C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3200 direct CANTY and hold.

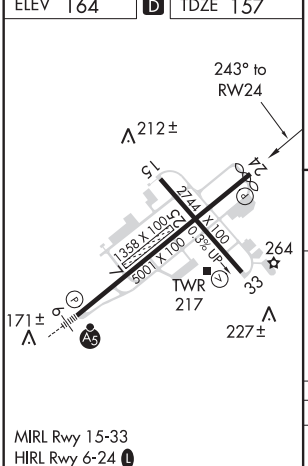
ATIS	NEW YORK APP CON	DUTCHESS COUNTY TOWER*	GND CON	CLNC DEL	UNICOM
126.75	132.75 363.1	124.0 (CTAF) L 269.15	121.8	121.8	122.95

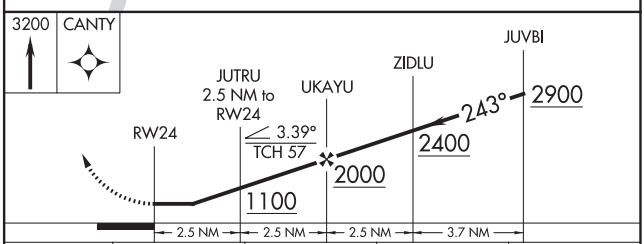


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 164 | D | TDZE 157





CATEGORY	A	B	C	D
LNAV MDA	900-1 743 (800-1)	900-1¼ 743 (800-1¼)	900-2¼ 743 (800-2¼)	900-2½ 743 (800-2½)
CIRCLING	900-1 736 (800-1)	900-1¼ 736 (800-1¼)	900-2¼ 736 (800-2¼)	900-2½ 736 (800-2½)

MIRL Rwy 15-33
HIRL Rwy 6-24 L
REIL Rwy 24 L
REIL Rwy 33

RED BLUFF, CALIFORNIA | AL-344 (FAA) | 20282

WAAS CH 73008 W15A	APP CRS 151°	Rwy ldg 5431 TDZE 352 Apt Elev 352

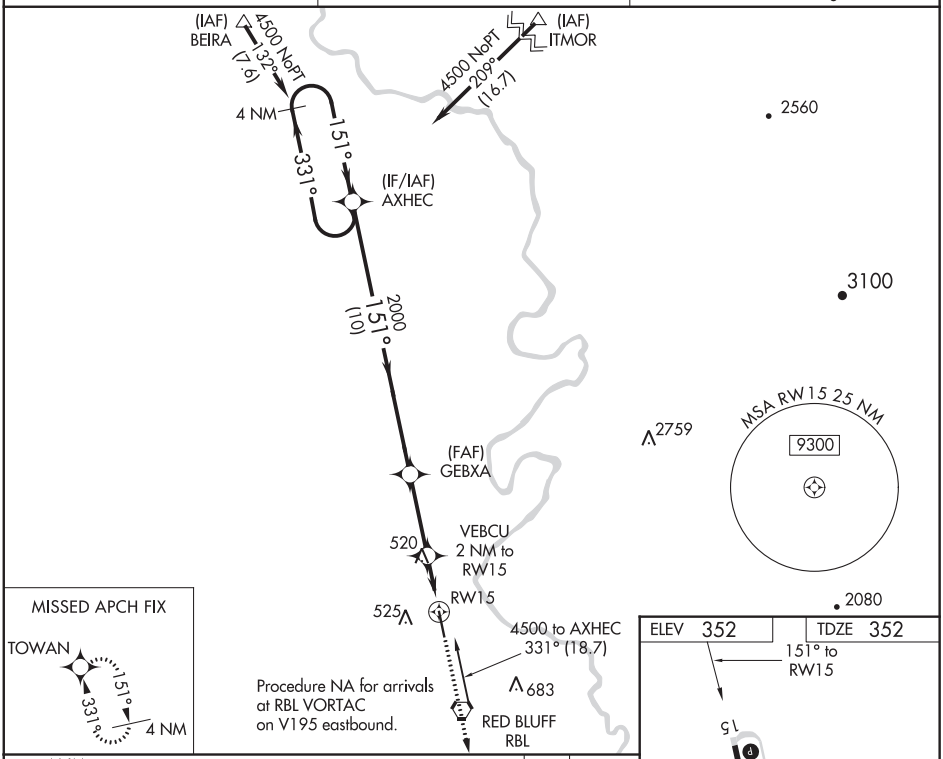
RNAV (GPS) RWY 15
RED BLUFF MUNI (RBL)

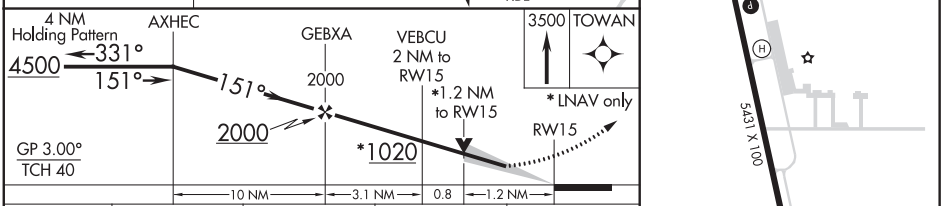
RNP APCH.

Circling to Rwy 33 NA at night. Baro-VNAV and VDP NA when using Redding altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C. When local altimeter setting not received; use Redding altimeter setting and increase LPV DA to 674 feet and increase LNAV/VNAV DA to 860 feet and increase visibility all Cats ⅛ SM; increase all MDAs 80 feet and LNAV visibility Cats C/D ⅛ SM and Circling visibility Cats C/D ¼ SM.

MISSED APPROACH: Climb to 3500 direct TOWAN and hold.

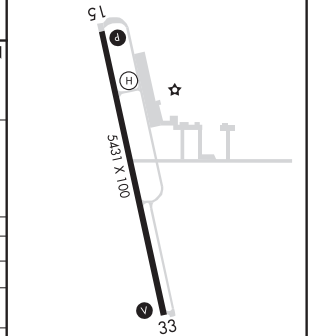
ASOS	OAKLAND CENTER	UNICOM
120.775	132.2 350.3	123.0 (CTAF) L





ELEV 352 | TDZE 352

151° to RW15



CATEGORY	A	B	C	D
LPV DA	602-⅞ 250 (300-⅞)			
LNAV/VNAV DA	788-1¼ 436 (500-1¼)			
LNAV MDA	780-1 428 (500-1)		780-1¼ 428 (500-1¼)	
C CIRCLING	860-1 508 (600-1)		900-1½ 548 (600-1½)	1060-2¼ 708 (800-2¼)

MIRL Rwy 15-33 L
REIL Rwys 15 and 33

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

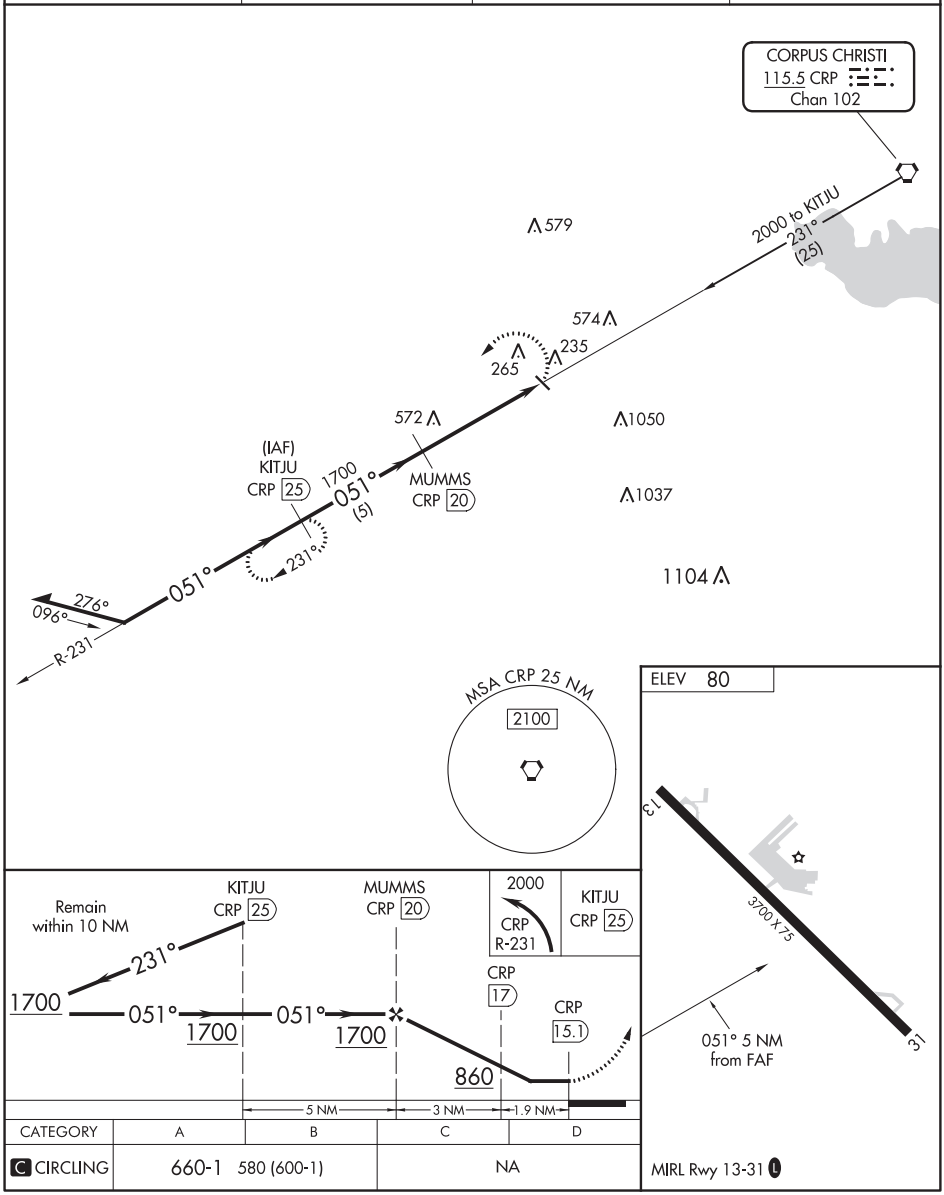
VORTAC CRP	APP CRS	Rwy ldg	N/A
115.5	051°	TDZE	N/A
Chan 102		Apt Elev	80

VOR/DME-A
NUECES COUNTY (RBO)

T A NA When local altimeter setting not received, use Corpus Christi Intl altimeter setting. Circling not authorized northeast of Rwy 13-31.

MISSED APPROACH: Climbing left turn to 2000 via CRP R-231 to KITJU/CRP 25 DME and hold.

AWOS-3	KINGSVILLE APP CON ★	CTAF	122.8 L
118.175	119.9 290.45	122.9	



CATEGORY	A	B	C	D
C CIRCLING	660-1 580 (600-1)		NA	

MIRL Rwy 13-31 L

ROCKSPRINGS, TEXAS

AL-6005 (FAA)

20282

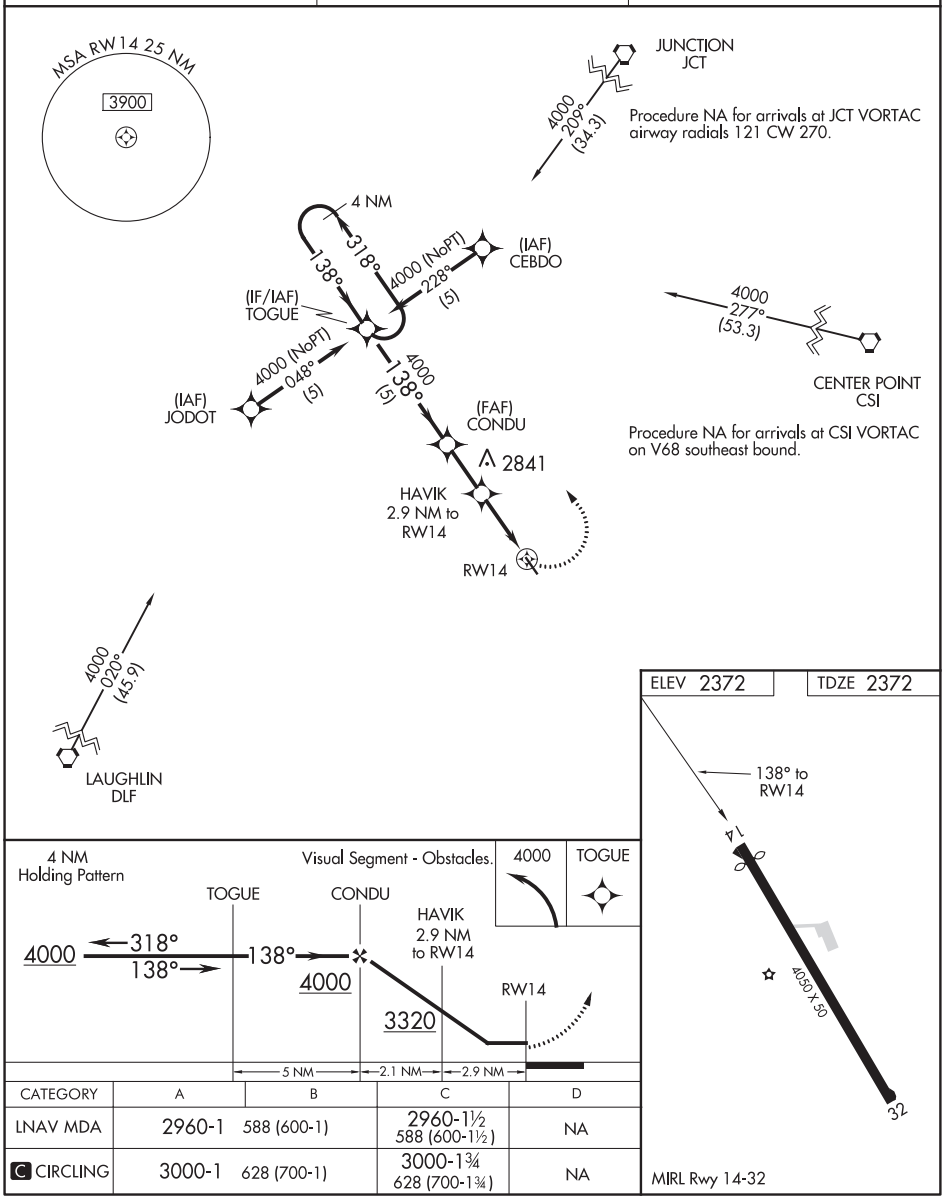
RNAV (GPS) RWY 14
EDWARDS COUNTY (ECU)

APP CRS	Rwy ldg	3772
138°	TDZE	2372
	Apt Elev	2372

T DME/DME RNP-0.3 NA.
Procedure NA at night.
A NA Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing left turn to 4000 direct TOGUE and hold.

AWOS-3	DEL RIO APP CON *	CTAF
118.175	119.6 259.1	122.9



CATEGORY	A	B	C	D
LNAV MDA	2960-1	588 (600-1)	2960-1½ 588 (600-1½)	NA
C CIRCLING	3000-1	628 (700-1)	3000-1¾ 628 (700-1¾)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ROCKSPRINGS, TEXAS
Orig-C 08OCT20

29°57'N-100°10'W

EDWARDS COUNTY (ECU)
RNAV (GPS) RWY 14

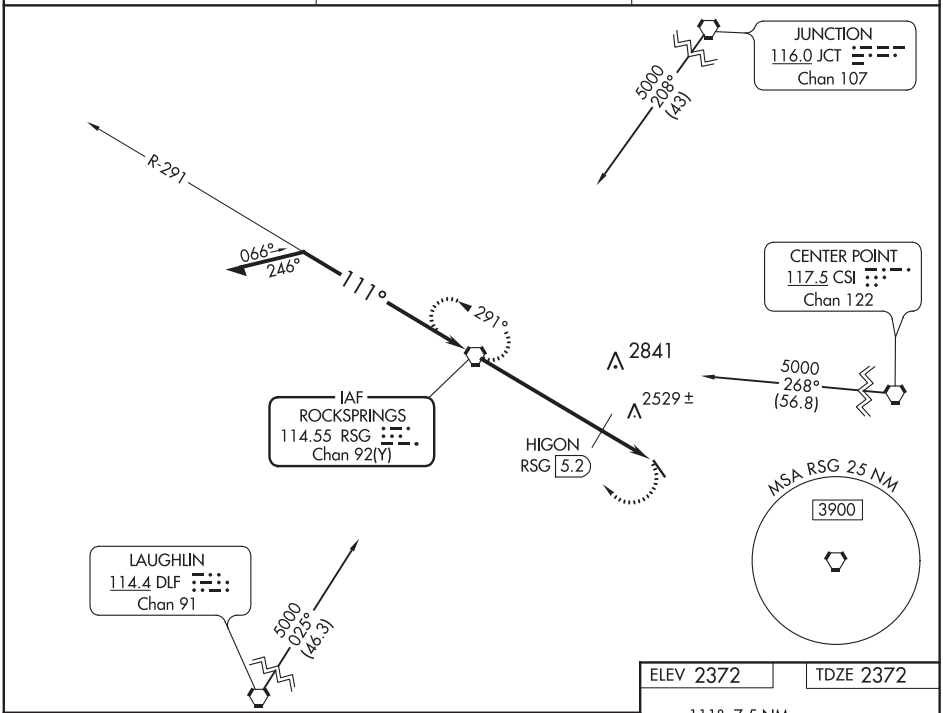
VOR RWY 14
EDWARDS COUNTY (ECU)

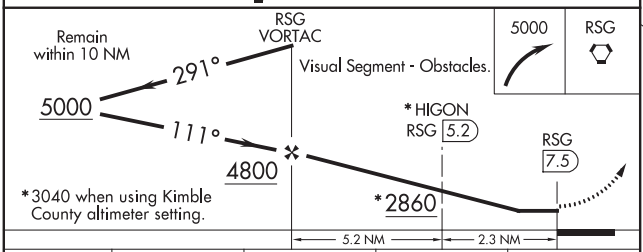
VORTAC RSG	APP CRS	Rwy ldg	3772
114.55	111°	TDZE	2372
Chan 92(Y)		Apt Elev	2372

If local altimeter setting not received, use Kimble County altimeter setting and increase all MDAs 180 feet. VDP NA when using Kimble County altimeter setting. Visibility reduction by helicopters NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 5000 direct RSG VORTAC and hold, continue climb-in-hold to 5000.

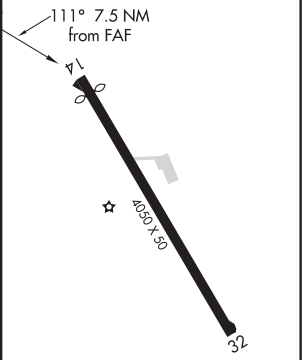
AWOS-3	DEL RIO APP CON *	CTAF
118.175	119.6 259.1	122.9





CATEGORY	A	B	C	D
S-14	2860-1 488 (500-1)		2860-1¼ 488 (500-1¼)	NA
CIRCLING	2860-1 488 (500-1)		2860-1½ 488 (500-1½)	NA
HIGON FIX MINIMUMS				
S-14	2780-1 408 (500-1)		2780-1¼ 408 (500-1¼)	NA
C CIRCLING	2800-1 428 (500-1)	2840-1 468 (500-1)	2840-1½ 468 (500-1½)	NA

ELEV 2372 TDZE 2372



MIRL Rwy 14-32

FAF to MAP 7.5 NM					
Knots	60	90	120	150	180
Min:Sec	7:30	5:00	3:45	3:00	2:30

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ST. AUGUSTINE, FLORIDA

AL-692 (FAA)

20282

RNAV (GPS) RWY 13
NORTHEAST FLORIDA RGNL (SGJ)

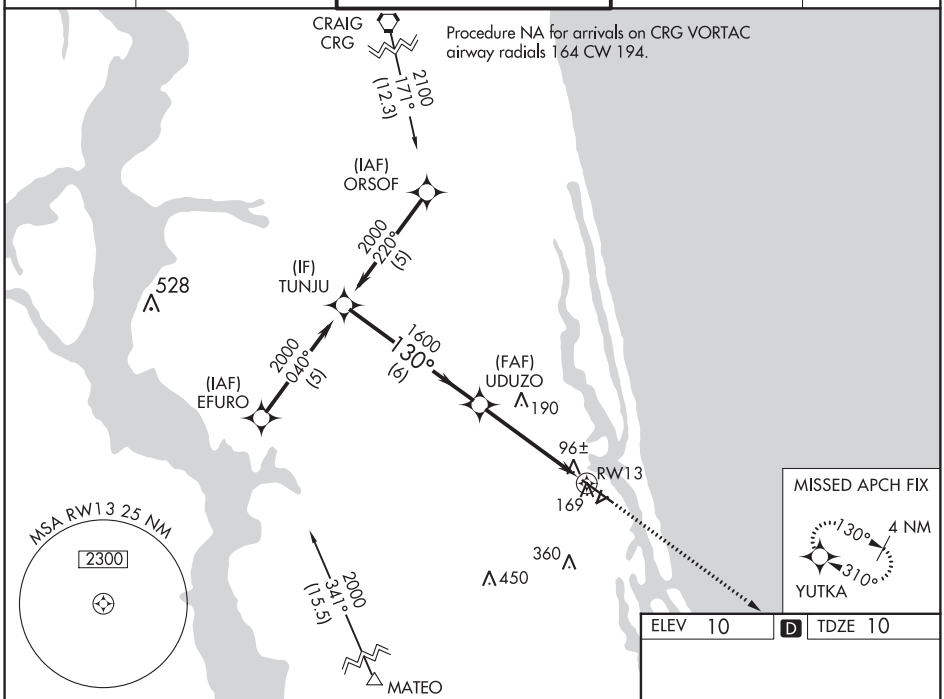
WAAS CH 77711 W13A	APP CRS 130°	Rwy ldg 6144 TDZE 10 Apt Elev 10

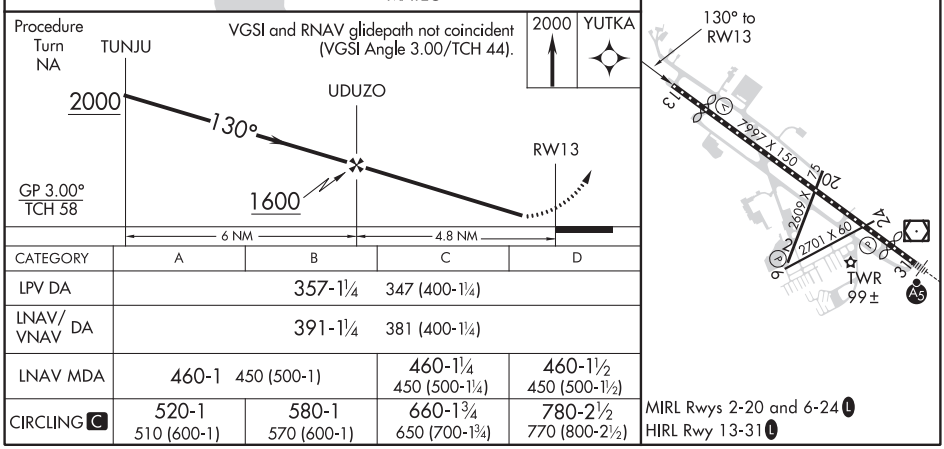
RNP APCH

Baro-VNAV NA when using Jacksonville NAS/Towers Field altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Rwy 13 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Jacksonville NAS (Towers Field) altimeter setting; increase all DA 57 feet and all MDA 60 feet. Increase LPV and LNAV/VNAV all Cats, LNAV Cat C and Circling Cat C/D visibility ¼ SM. Circling Rwy 2, 6 NA at night.

MISSED APPROACH: Climb to 2000 direct YUTKA and hold.

ATIS	JACKSONVILLE APP CON	ST AUGUSTINE TOWER ★	GND CON	UNICOM
119.625	120.75	127.625 (CTAF) L 269.475	121.175 251.125	122.95





CATEGORY	A	B	C	D
LPV DA	357-1¼ 347 (400-1¼)			
LNAV/VNAV DA	391-1¼ 381 (400-1¼)			
LNAV MDA	460-1 450 (500-1)		460-1¼ 450 (500-1¼)	460-1½ 450 (500-1½)
CIRCLING C	520-1 510 (600-1)	580-1 570 (600-1)	660-1¾ 650 (700-1¾)	780-2½ 770 (800-2½)

MIRL Rwys 2-20 and 6-24 L
HIRL Rwy 13-31 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	9550
101°	TDZE	4112
	Apt Elev	4113

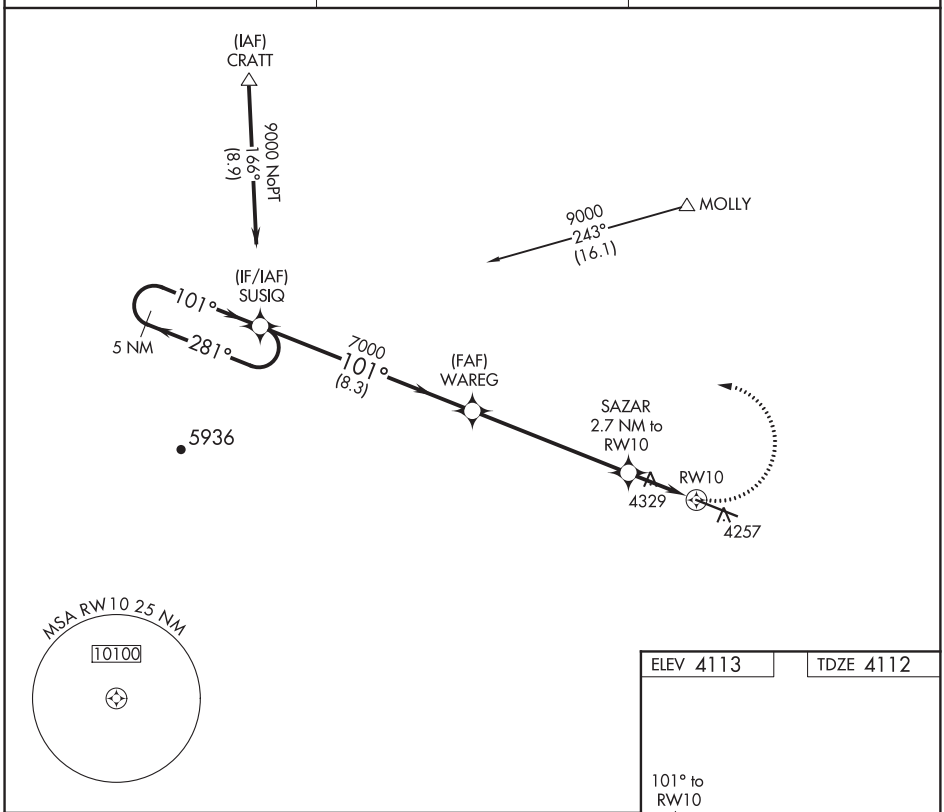
RNAV (GPS) RWY 10
DONA ANA COUNTY INTL JETPORT (DNA)

T NA

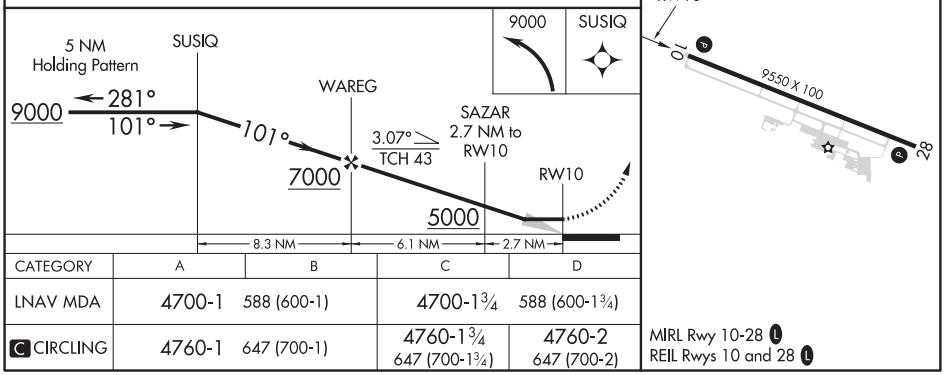
DME/DME RNP-0.3 NA. When local altimeter setting not received, use El Paso Intl altimeter setting.

MISSED APPROACH: Climbing left turn to 9000 direct SUSIQ and hold.

AWOS-3PT	EL PASO APP CON	AUNICOM
124.175	119.15	122.725 (CTAF) L



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	4700-1 588 (600-1)		4700-1¾ 588 (600-1¾)	
C CIRCLING	4760-1 647 (700-1)		4760-1¾ 647 (700-1¾)	4760-2 647 (700-2)

MIRL Rwy 10-28 L
REIL Rwys 10 and 28 L

SAULT STE MARIE, MICHIGAN — AL-810 (FAA) — 20282

ILS or LOC RWY 16
CHIPPEWA COUNTY INTL (CIU)

LOC I-CIU	APP CRS	Rwy ldg	7203
110.3	157°	TDZE	799
		Apt Elev	799

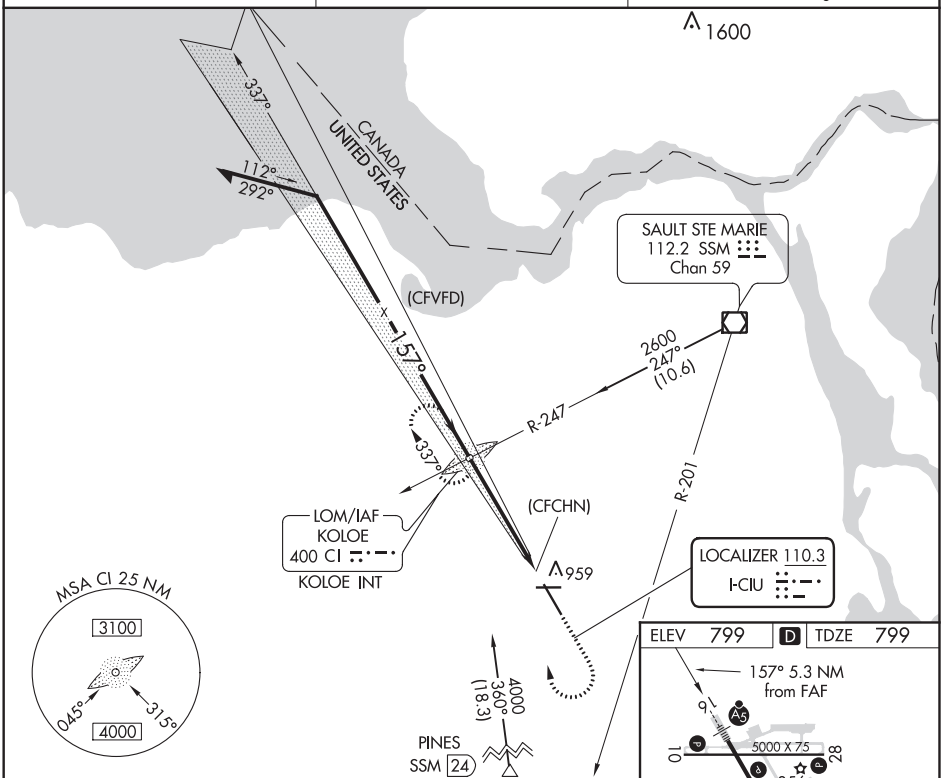
ADF required.

T NA — Autopilot coupled approach NA below 1380.

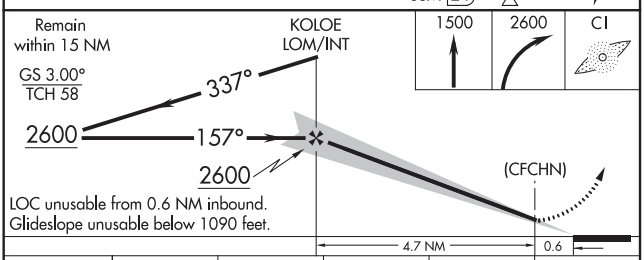
MALSR

MISSED APPROACH: Climb to 1500 then climbing right turn to 2600 direct KOLOE LOM/INT and hold. (TACAN aircraft climb to 5000 on heading 160° and SSM VOR/DME R-201 to PINES/SSM 24 DME and hold south, right turn, 021° inbound.)

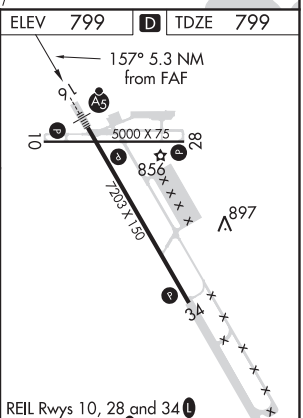
AWOS-3PT	TORONTO CENTER	UNICOM
127.575	132.65 344.5	123.0 (CTAF) L



08 OCT 2020 to 05 NOV 2020



LOC unusable from 0.6 NM inbound.
Glideslope unusable below 1090 feet.



REIL Rwys 10, 28 and 34 L
MIRL Rwy 10-28 L
HIRL Rwy 16-34 L

CATEGORY	A	B	C	D	E
S-ILS 16	1090-½ 291 (300-½)				
S-LOC 16	1160-½ 361 (400-½)		1160-⅝ 361 (400-⅝)		
C CIRCLING	1260-1 461 (500-1)		1260-1½ 461 (500-1½)	1360-2 561 (600-2)	1380-2 581 (600-2)

FAF to MAP 4.7 NM

Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	5000
097°	TDZE	799
	Apt Elev	799

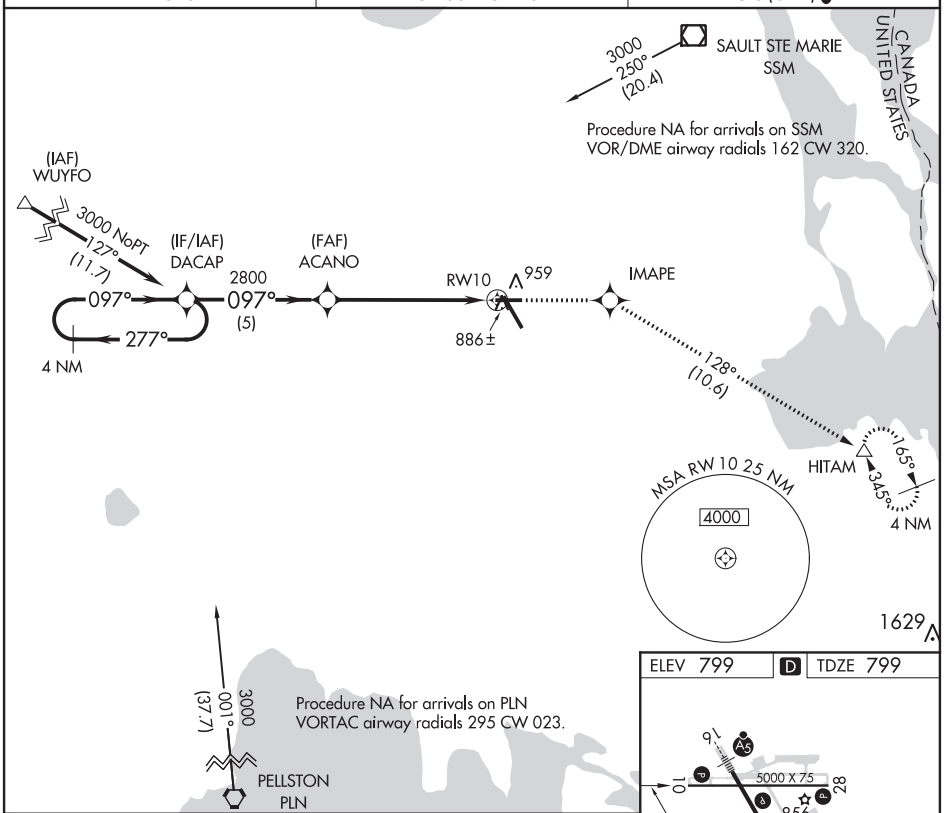
RNAV (GPS) RWY 10
CHIPPEWA COUNTY INTL (CIU)

RNP APCH.

VDP NA with Sault Ste Marie altimeter setting. When local altimeter setting not received, use Sault Ste Marie Muni/Sanderson Field altimeter setting; increase all MDA 60 feet, increase LNAV visibility Cat C/D and Circling Cat C ¼ SM.

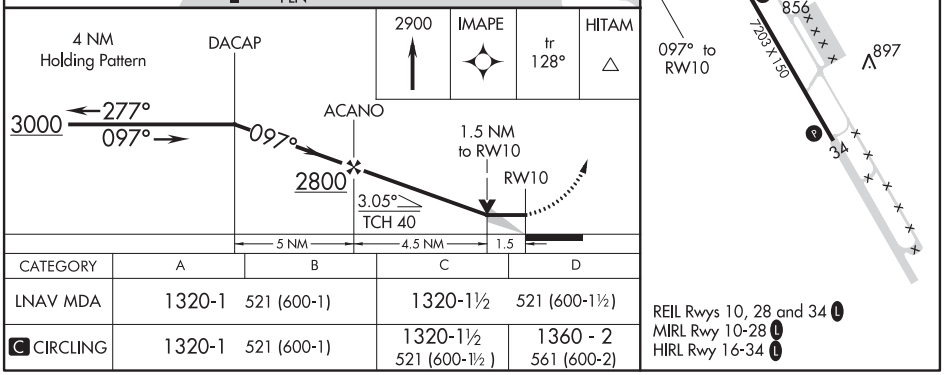
MISSED APPROACH: Climb to 2900 direct IMAPE and track 128° to HITAM and hold.

AWOS-3PT	TORONTO CENTER	UNICOM
127.575	132.65 344.5	123.0 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	1320-1 521 (600-1)		1320-1½	521 (600-1½)
C CIRCLING	1320-1 521 (600-1)		1320-1½ 521 (600-1½)	1360 - 2 561 (600-2)

REIL Rwys 10, 28 and 34 L
MIRL Rwy 10-28 L
HIRL Rwy 16-34 L

SAULT STE MARIE, MICHIGAN — AL-810 (FAA) — 20282

WAAS CH 69215 W16A	APP CRS 157°	Rwy ldg 7203 TDZE 799 Apt Elev 799

RNAV (GPS) RWY 16
CHIPPEWA COUNTY INTL (CIU)

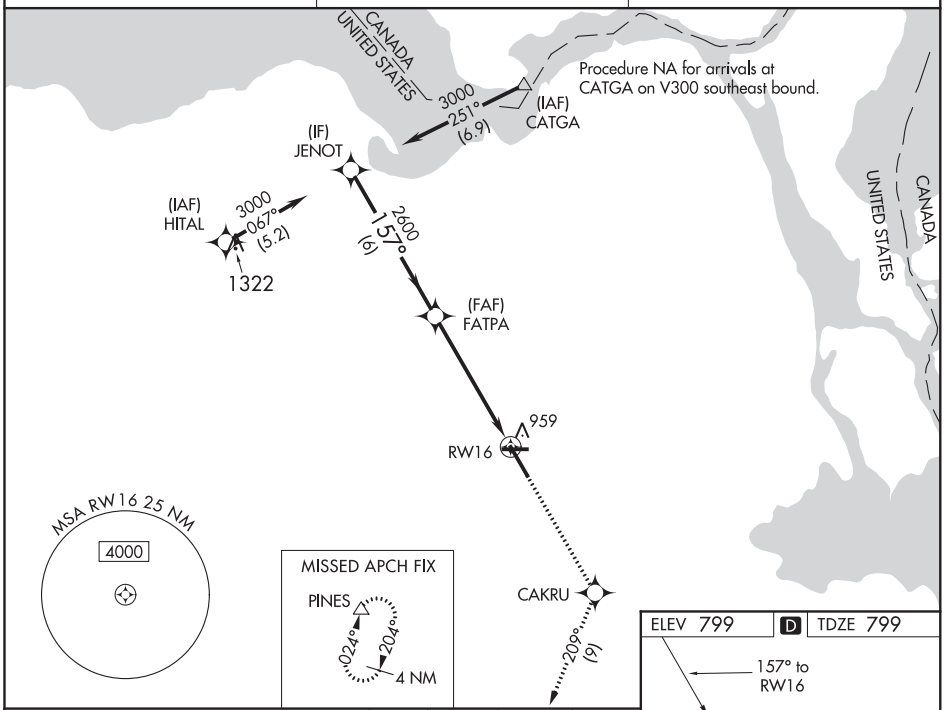
RNP APCH.

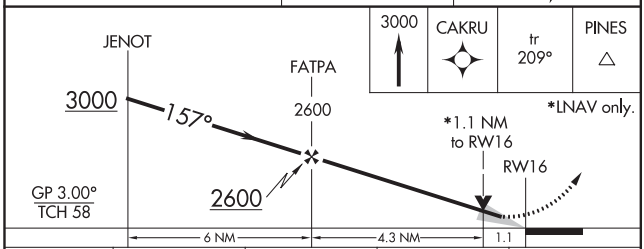
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. For inop ALS, increase LPV all Cats, LNAV/VNAV all Cats and LNAV Cats A/B/C ½ SM; increase LNAV Cat D ¼ SM.

MALSR

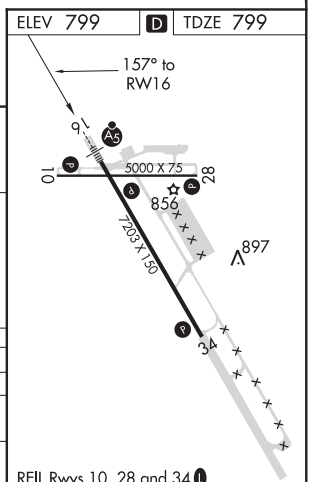
MISSED APPROACH: Climb to 3000 direct CAKRU and on track 209° to PINES and hold.

AWOS-3PT	TORONTO CENTER	UNICOM
127.575	132.65 344.5	123.0 (CTAF)





CATEGORY	A	B	C	D
LPV DA	1068-½ 269 (300-½)			
LNAV/VNAV DA	1204-1 405 (500-1)			
LNAV MDA	1220-½ 421 (500-½)		1220-¾ 421 (500-¾)	1220-1 421 (500-1)
C CIRCLING	1260-1 461 (500-1)		1260-1½ 461 (500-1½)	1360-2 561 (600-2)



REIL Rwys 10, 28 and 34
MIRL Rwy 10-28
HIRL Rwy 16-34

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	5000
277°	TDZE	799
	Apt Elev	799

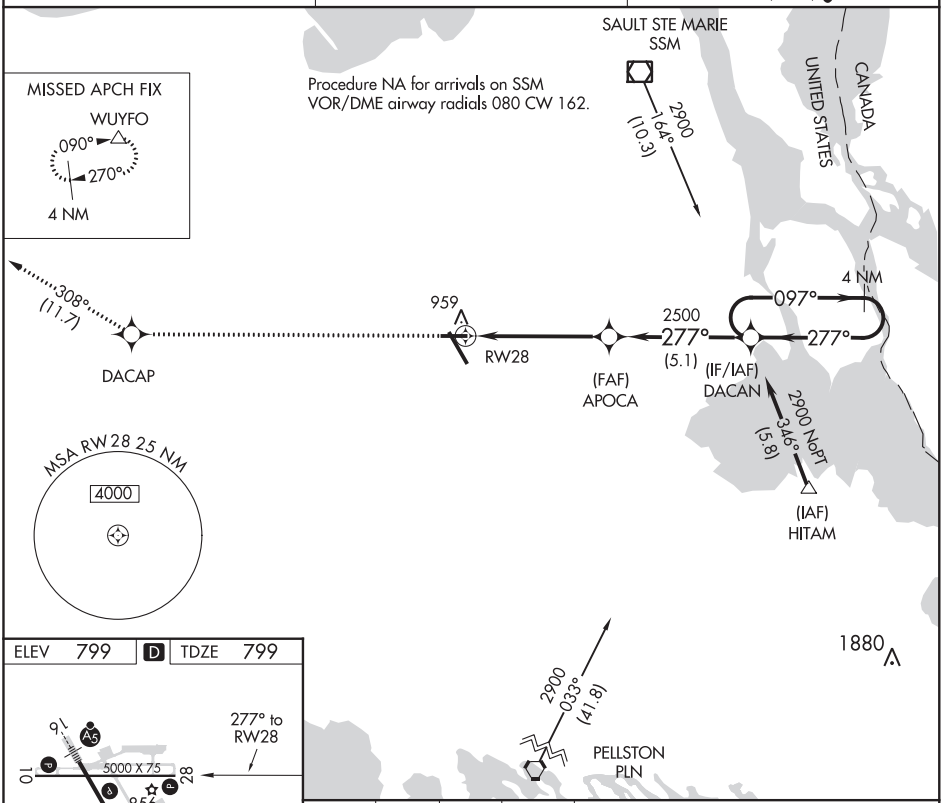
RNAV (GPS) RWY 28
CHIPPEWA COUNTY INTL (CIU)

RNP APCH.

Rwy 28 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Sault Ste Marie Muni/Sanderson Field altimeter setting; increase all MDA 60 feet, increase LNAV and Circling visibility Cat C/D ¼ SM. Straight-in and Circling Rwy 28 NA at night.

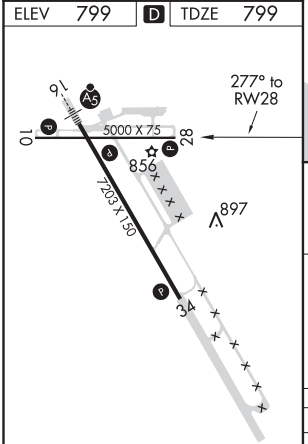
MISSED APPROACH: Climb to 3000 direct DACAP and track 308° to WUYFO and hold.

AWOS-3PT	TORONTO CENTER	UNICOM
127.575	132.65 344.5	123.0 (CTAF) L

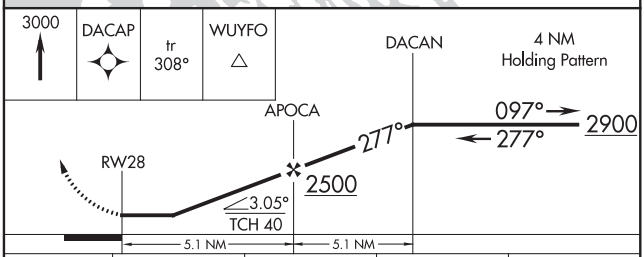


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



REIL Rwys 10, 28 and 34 L
MIRL Rwy 10-28 L
HIRL Rwy 16-34 L



CATEGORY	A	B	C	D
LNAV MDA	1220-1 421 (500-1)		1220-1¼ 421 (500-1¼)	
C CIRCLING	1260-1 461 (500-1)		1260-1½ 461 (500-1½)	1360-2 561 (600-2)

SAULT STE MARIE, MICHIGAN | AL-810 (FAA) | 20282

WAAS CH 56315 W34A	APP CRS 337°	Rwy ldg 7203 TDZE 796 Apt Elev 799

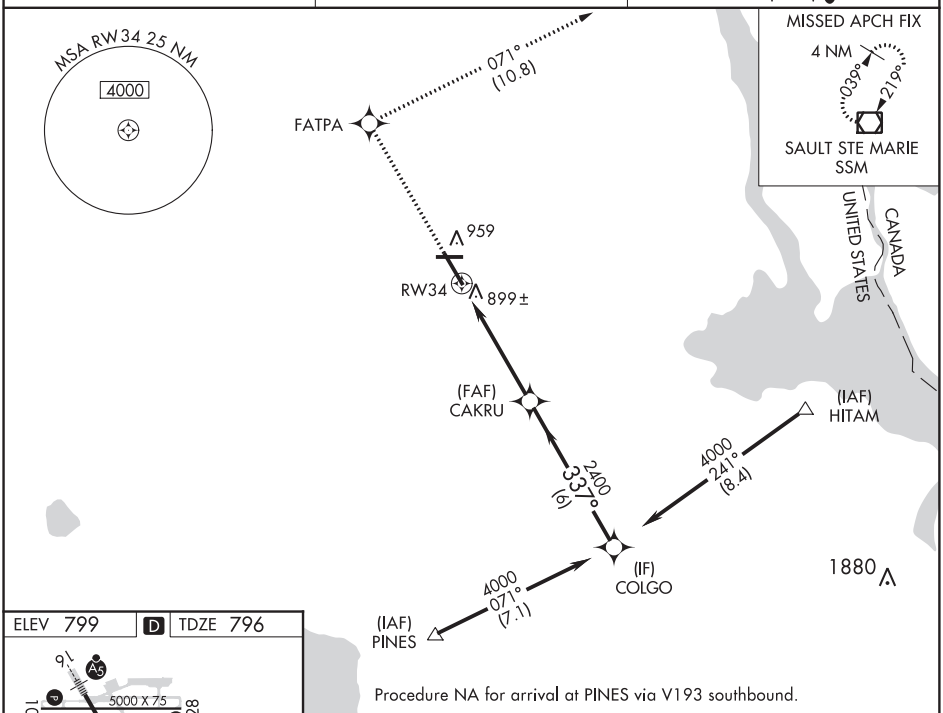
RNAV (GPS) RWY 34
CHIPPEWA COUNTY INTL (CIU)

RNP APCH.

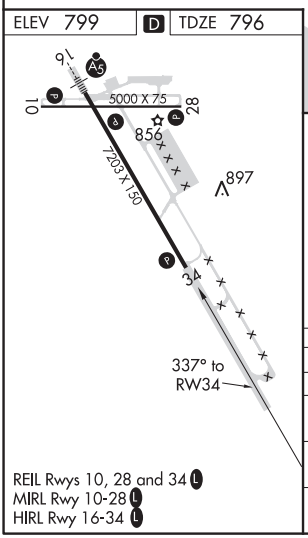
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. When local altimeter setting not received, use Sault Ste Marie Muni/Sanderson Field altimeter setting; increase LPV DA to 1091 feet, LNAV/VNAV DA to 1243 feet and all MDA 60 feet; increase LNAV Cat D visibility ¼ SM. Baro-VNAV and VDP NA when using Sault Ste Marie Muni/Sanderson Field altimeter setting.

MISSED APPROACH: Climb to 3000 direct FATPA and track 071° to SSM VOR/DME and hold.

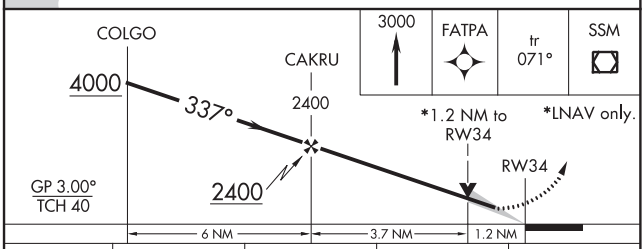
AWOS-3PT	TORONTO CENTER	UNICOM
127.575	132.65 344.5	123.0 (CTAF) L



Procedure NA for arrival at PINES via V193 southbound.



REIL Rwys 10, 28 and 34 L
MIRL Rwy 10-28 L
HIRL Rwy 16-34 L



CATEGORY	A	B	C	D
LPV DA	1046-1 250 (300-1)			
LNAV/VNAV DA	1198-1½ 402 (400-1½)			
LNAV MDA	1200-1 404 (400-1)		1200-1¼ 404 (400-1¼)	
C CIRCLING	1260-1 461 (500-1)		1260-1½ 461 (500-1½)	1360-2 561 (600-2)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

LOM CI	APP CRS	Rwy ldg / TDZE / Apt Elev
400	337°	7203 / 796 / 799

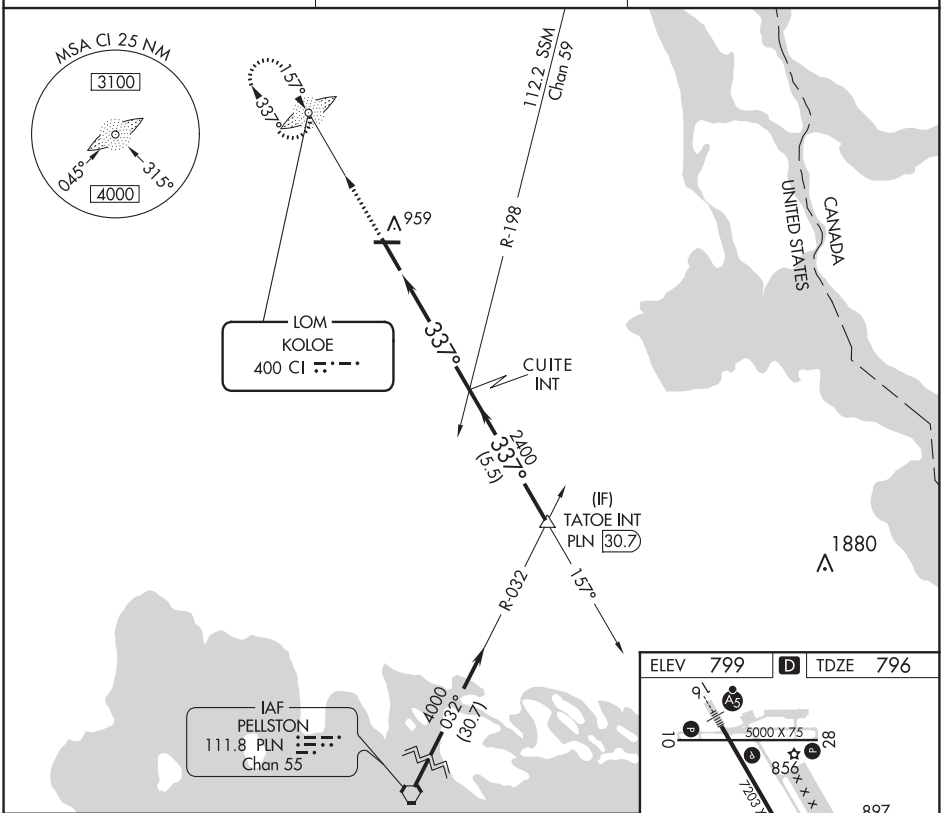
NDB RWY 34

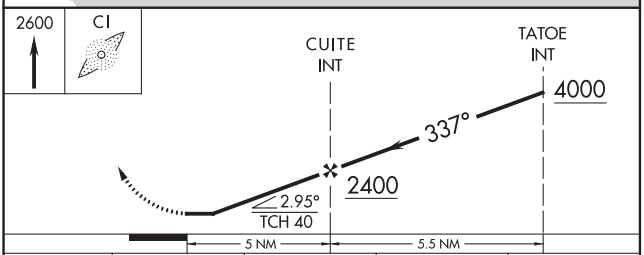
CHIPPEWA COUNTY INTL (CIU)

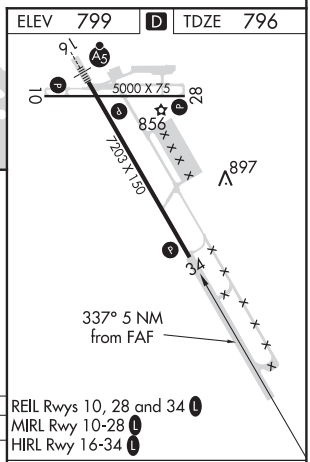
T A NA — When local altimeter setting not received, use Sault-Ste Marie Muni/ Sanderson Field altimeter setting and increase all MDA 60 feet and increase S-34 Cat C/D visibility to 1⅜ .

MISSED APPROACH: Climb to 2600 direct KOLOE LOM and hold.

AWOS-3PT	TORONTO CENTER	UNICOM
127.575	132.65 344.5	123.0 (CTAF) L







REIL Rwys 10, 28 and 34 L
MIRL Rwy 10-28 L
HIRL Rwy 16-34 L

CATEGORY	A	B	C	D
S-34	1220-1 424 (500-1)		1220-1¼ 424 (500-1¼)	
C CIRCLING	1260-1 461 (500-1)		1260-1½ 461 (500-1½)	1360-2 561 (600-2)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

SAVANNA, ILLINOIS AL-9152 (FAA) 20282

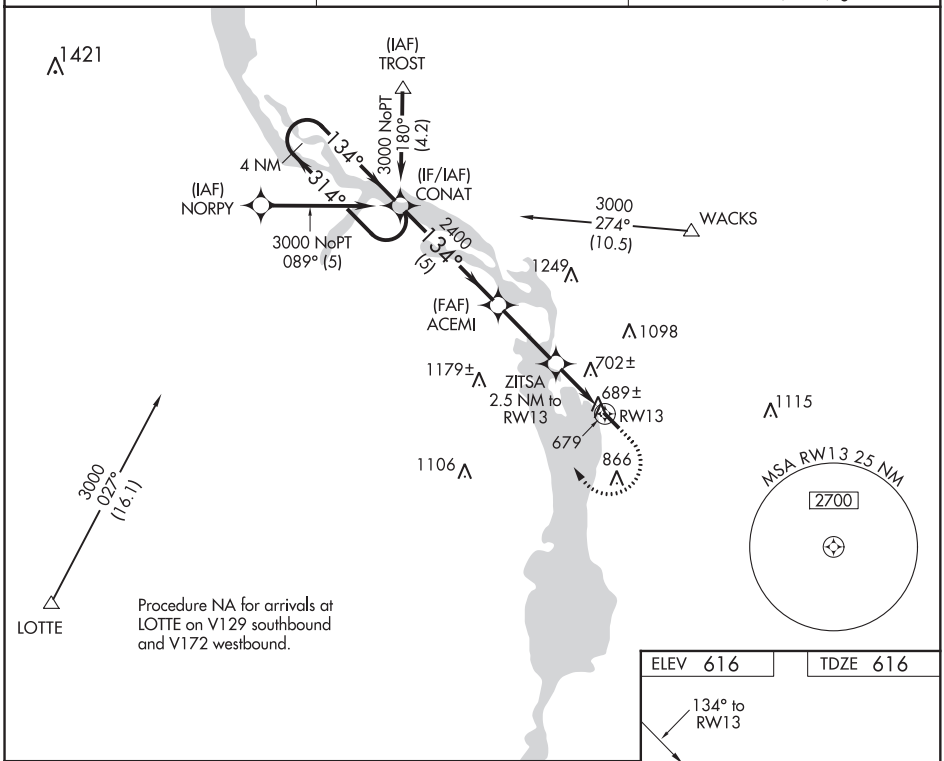
RNAV (GPS) RWY 13
TRI-TOWNSHIP (SFY)

WAAS CH 61328 W13A	APP CRS 134°	Rwy ldg 4001 TDZE 616 Apt Elev 616

When local altimeter setting not received, use Sterling/Rockfalls altimeter setting and increase all MDA 80 feet. Procedure NA at night. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA.

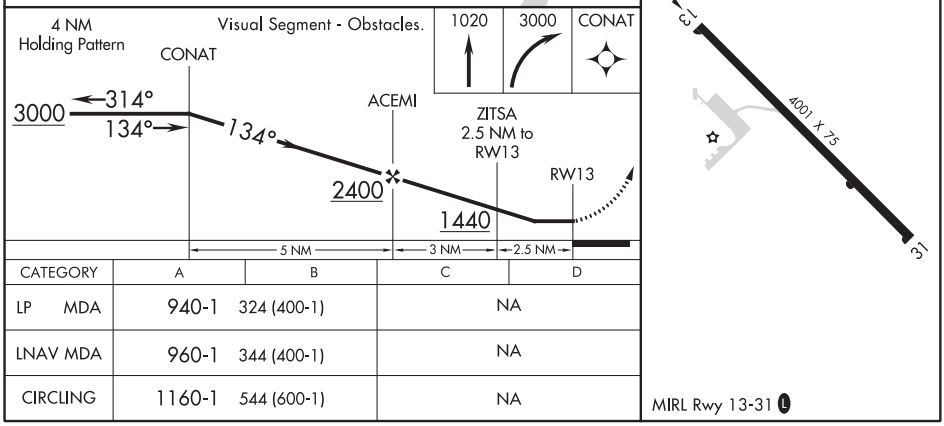
MISSED APPROACH: Climb to 1020 then climbing right turn to 3000 direct CONAT and hold.

AWOS-3	QUAD CITY APP CON★	UNICOM
118.650	125.95 257.8	122.7 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LP MDA	940-1	324 (400-1)	NA	
LNAV MDA	960-1	344 (400-1)	NA	
CIRCLING	1160-1	544 (600-1)	NA	

AL-582 (FAA)

20282

ILS or LOC RWY 34R

SEATTLE-TACOMA INTL (SEA)

LOC/DME I-SEA 110.3 Chan 40	APP CRS 344°	Rwy ldg 34R 11901 34C 9426	TDZE 372 387	Apt Elev 432 432

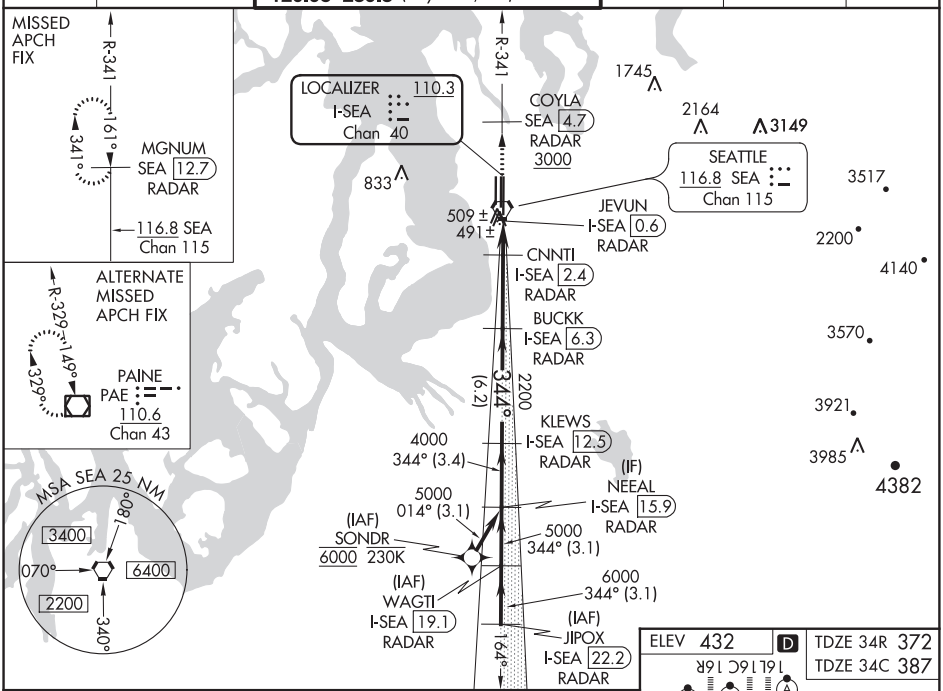
From SONDR: RNAV 1-GPS required.
DME or RADAR required.

Inop table does not apply to Sidestep 34C Cats A/B.
Simultaneous approach authorized with Rwy 34L.

MALSR Rwy 34R/C (A5)

MISSED APPROACH: Climb on heading 343° and outbound on SEA VORTAC R-341 to cross COYLA/SEA 4.7 DME/RADAR at or above 3000 then climb to 5000 on SEA VORTAC R-341 to MGNUM/SEA 12.7 DME/RADAR and hold, continue climb-in-hold to 5000.

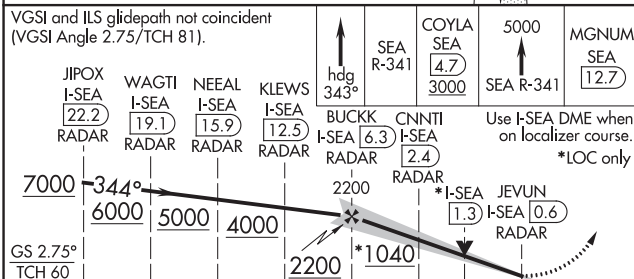
D-ATIS	SEATTLE APP CON	SEATTLE TOWER	GND CON	CLNC DEL	CPDLC
118.0	133.65 273.45	119.9 239.3 (Rwys 16L, 16C, 34C, 34R) 120.95 239.3 (Rwys 16R, 34L)	121.7	128.0	



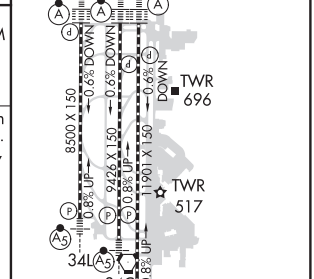
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

VGSI and ILS glidepath not coincident
(VGSI Angle 2.75/TCH 81).



ELEV 432 (D) TDZE 34R 372 TDZE 34C 387



CATEGORY	A	B	C	D
S-ILS 34R	572/18 200 (200-½)			
S-LOC 34R	740/24 368 (400-½)		740/35 368 (400-⅝)	
SIDESTEP 34C	760/55 373 (400-1)			760-1½ 373 (400-1½)
(C) CIRCLING	1000-1 568 (600-1)		1000-1½ 568 (600-1½)	1000-2 568 (600-2)

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

LOC/DME I-SEA 110.3 Chan 40	APP CRS 344°	Rwy ldg 11901 TDZE 372 Apt Elev 432

ILS RWY 34R (SA CAT I & II)

SEATTLE-TACOMA INTL (SEA)

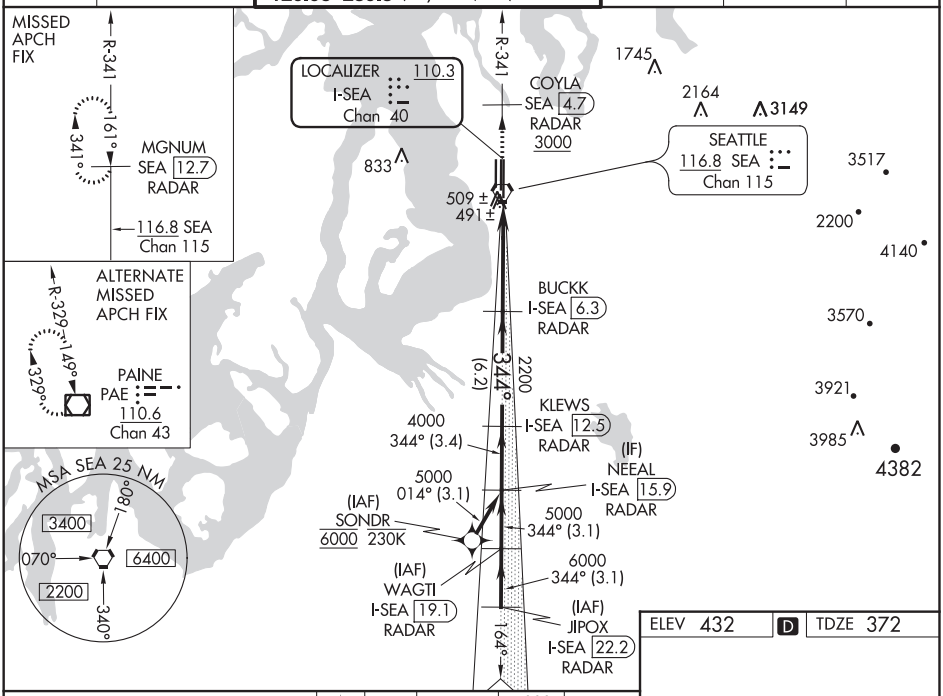
From SONDR: RNAV 1-GPS required. DME or RADAR required.

Simultaneous approach authorized with Rwy 34L. 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.

MALSR

MISSED APPROACH: Climb on heading 343° and outbound on SEA VORTAC R-341 to cross COYLA/SEA 4.7 DME/RADAR at or above 3000 then climb to 5000 on SEA VORTAC R-341 to MGNUM/SEA 12.7 DME/RADAR and hold, continue climb-in-hold to 5000.

D-ATIS	SEATTLE APP CON	SEATTLE TOWER	GND CON	CLNC DEL	CPDLC
118.0	133.65 273.45	119.9 239.3 (Rwys 16L, 16C, 34C, 34R) 120.95 239.3 (Rwys 16R, 34L)	121.7	128.0	

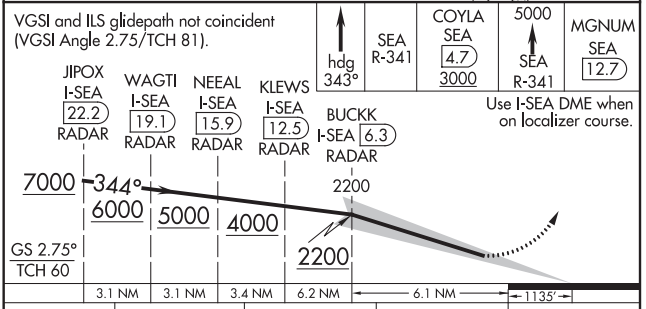


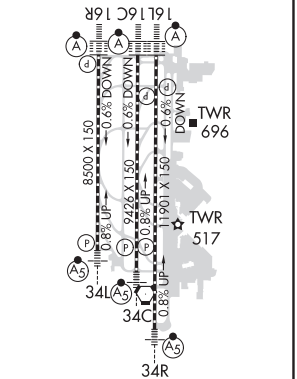
ELEV 432 D TDZE 372

VGSI and ILS glidepath not coincident (VGSI Angle 2.75/TCH 81).

hdg 343°	SEA R-341	COYLA SEA 4.7 3000	5000 SEA R-341	MGNUM SEA 12.7

Use I-SEA DME when on localizer course.





HIRL all Rwys
TDZ/CL Rwys 16L, 16C, 16R and 34R

CATEGORY	A	B	C	D
S-ILS 34R	SA CAT I RA 250/14 150 DA 522			
S-ILS 34R	SA CAT II RA 200/12 100 DA 472			

SA CATEGORY I & II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

SRE NDB	APP CRS	Rwy ldg	5004
278	162°	TDZE	1023
		Apt Elev	1023

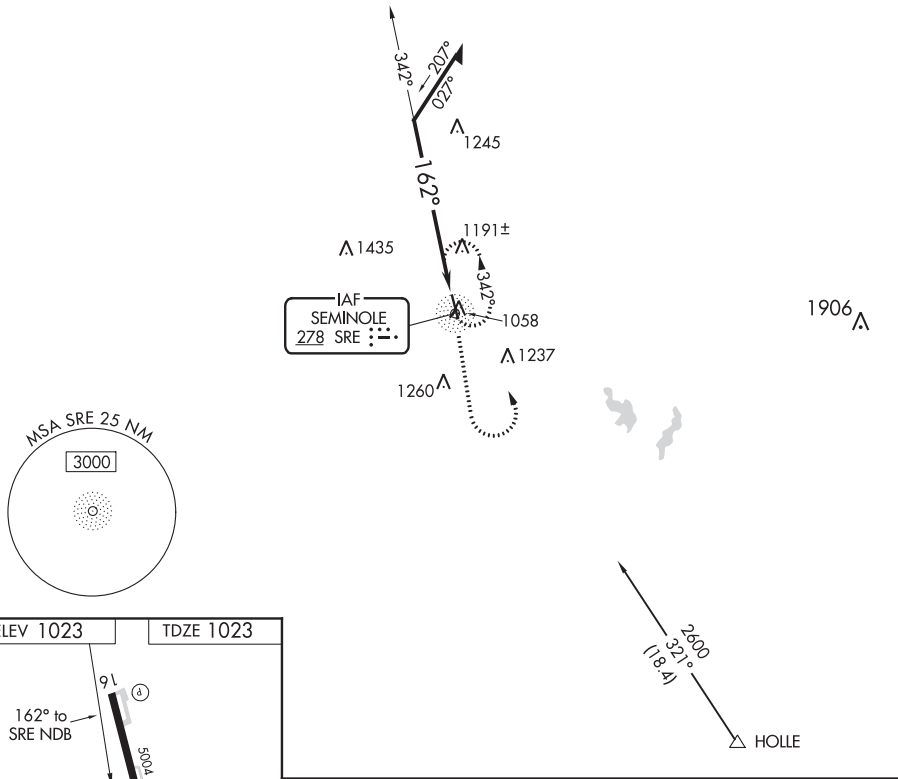
NDB RWY 16

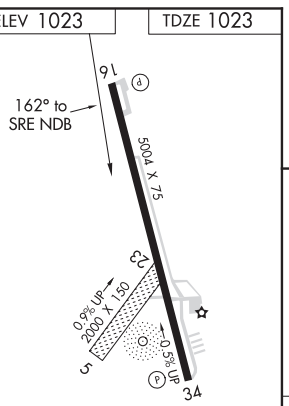
SEMINOLE MUNI (SRE)

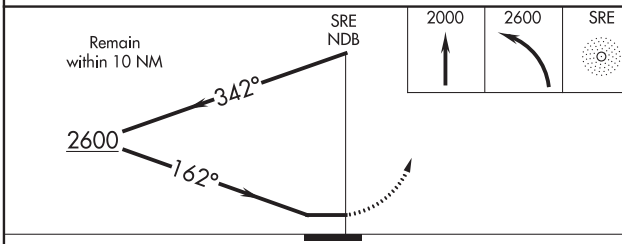
Procedure NA at night. Circling NA to Rwys 5 and 23. Rwy 16 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Shawnee Rgnl altimeter setting and increase all MDAs 40 feet and increase Circling Cat C visibility ¼ SM.

MISSED APPROACH: Climb to 2000 then climbing left turn to 2600 direct SRE NDB and hold.

AWOS-3	FORT WORTH CENTER	UNICOM
118.625	132.2 338.35	122.8







CATEGORY	A	B	C	D
S-16	1660-1	637 (700-1)	1660-1¾ 637 (700-1¾)	NA
C CIRCLING	1660-1	637 (700-1)	1660-1¾ 637 (700-1¾)	NA

REIL Rwy 16-34
MIRL Rwy 16-34

SHENANDOAH, IOWA | AL-5325 (FAA) | 20282

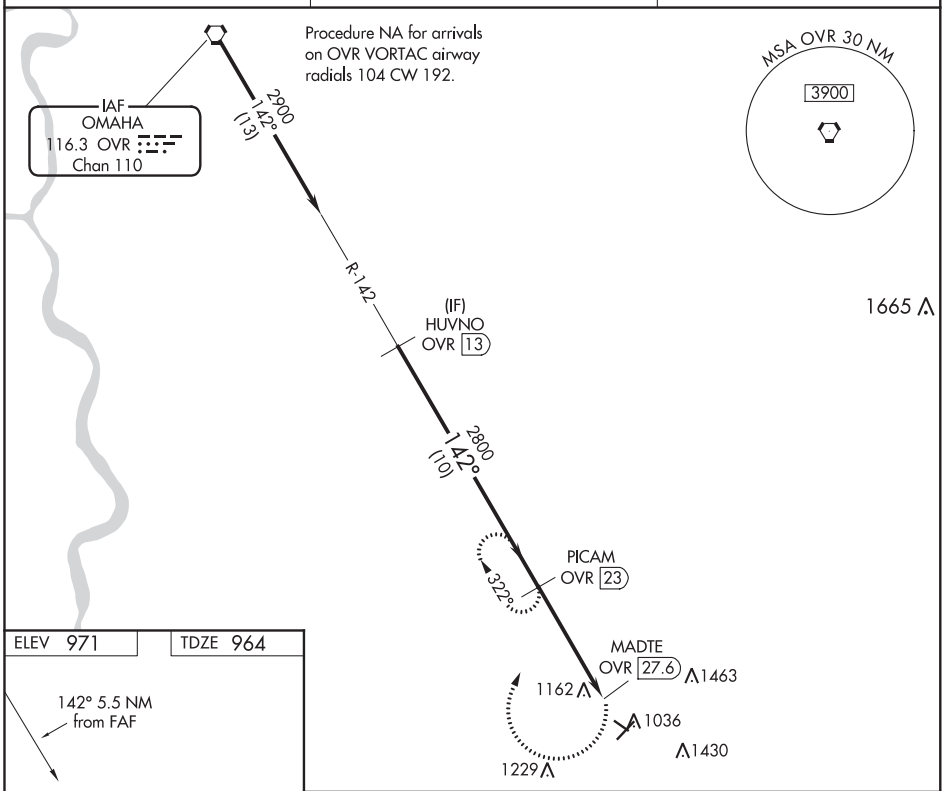
VOR/DME RWY 12
SHENANDOAH MUNI (SDA)

VORTAC OVR	APP CRS	Rwy ldg	3439
116.3	142°	TDZE	964
Chan 110		Apt Elev	971

Rwy 12 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Clarinda altimeter setting and increase all MDA 60 feet. Circling Rwy 30 NA at night.

MISSED APPROACH: Climbing right turn to 2800 on OVR VORTAC R-142 to PICAM/OVR 23 DME and hold.

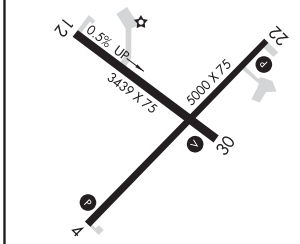
AWOS-3	OMAHA APP CON	UNICOM
125.525	124.5 263.0	122.8 (CTAF) L

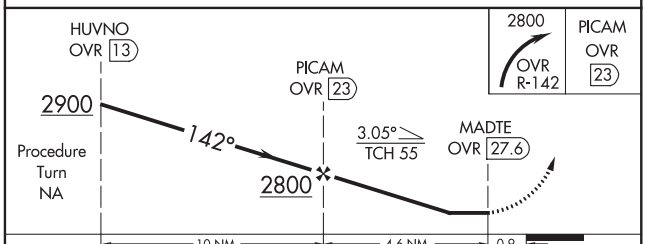


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 971 | TDZE 964





CATEGORY	A	B	C	D
S-12	1620-1⅛ 656 (700-1⅛)		NA	
C CIRCLING	1620-1⅛ 649 (700-1⅛)	1620-1¼ 649 (700-1¼)	NA	

LIRL Rwy 12-30
MIRL Rwy 4-22 L
REIL Rwys 4 and 22 L

APP CRS	Rwy ldg	3110
052°	TDZE	932
	Apt Elev	936

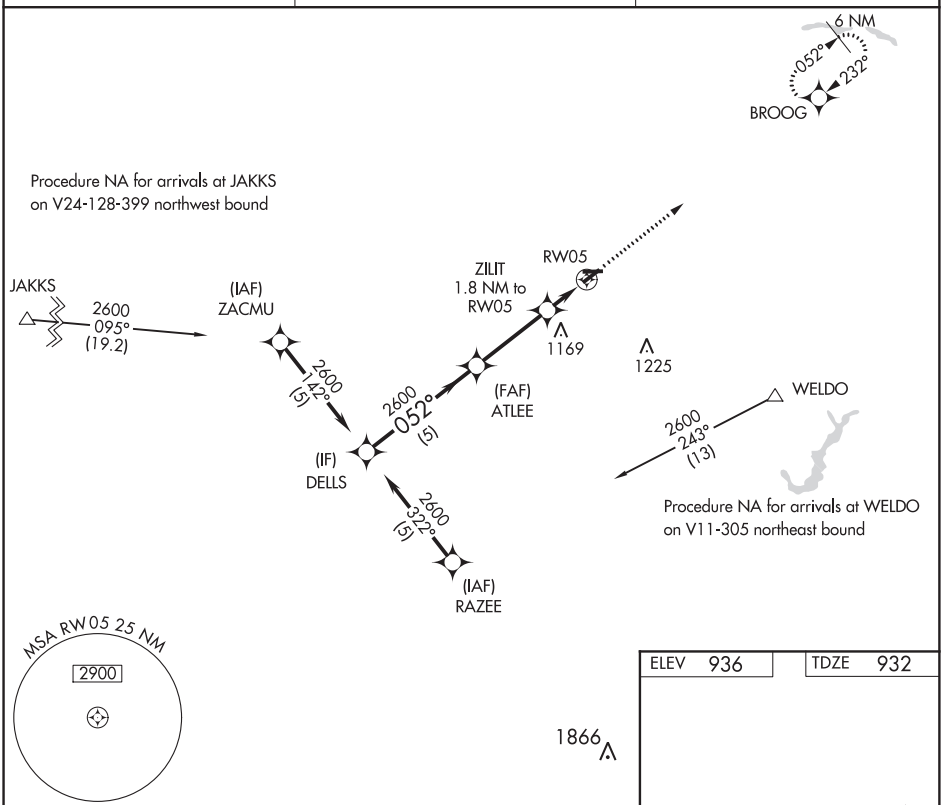
RNAV (GPS) RWY 5
SHERIDAN (5I4)

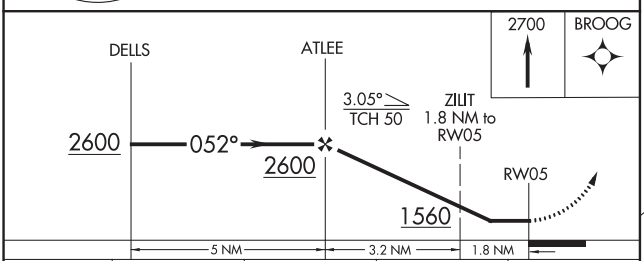
RNP APCH.

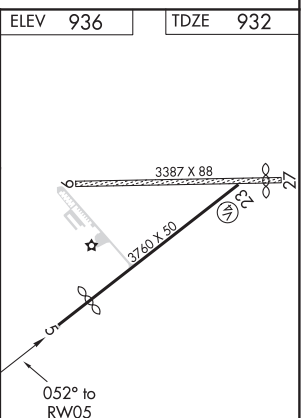
A NA Circling NA to Rwys 9 and 27. Procedure NA at night. Rwy 5 helicopter visibility reduction below 1 SM NA. Use Indianapolis Executive altimeter setting.

MISSED APPROACH: Climb to 2700 direct BROOG and hold.

TYQ AWOS-3PT	INDIANAPOLIS APP CON	UNICOM
120.725	124.65 317.8	123.075 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1400-1 468 (500-1)		1400-1⅜ 468 (500-1⅜)	NA
C CIRCLING	1460-1 524 (600-1)	1480-1 544 (600-1)	1500-1½ 564 (600-1½)	NA

LIRL Rwy 5-23 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

SHERIDAN, INDIANA

AL-6252 (FAA)

20282

RNAV (GPS) RWY 23
SHERIDAN (5I4)

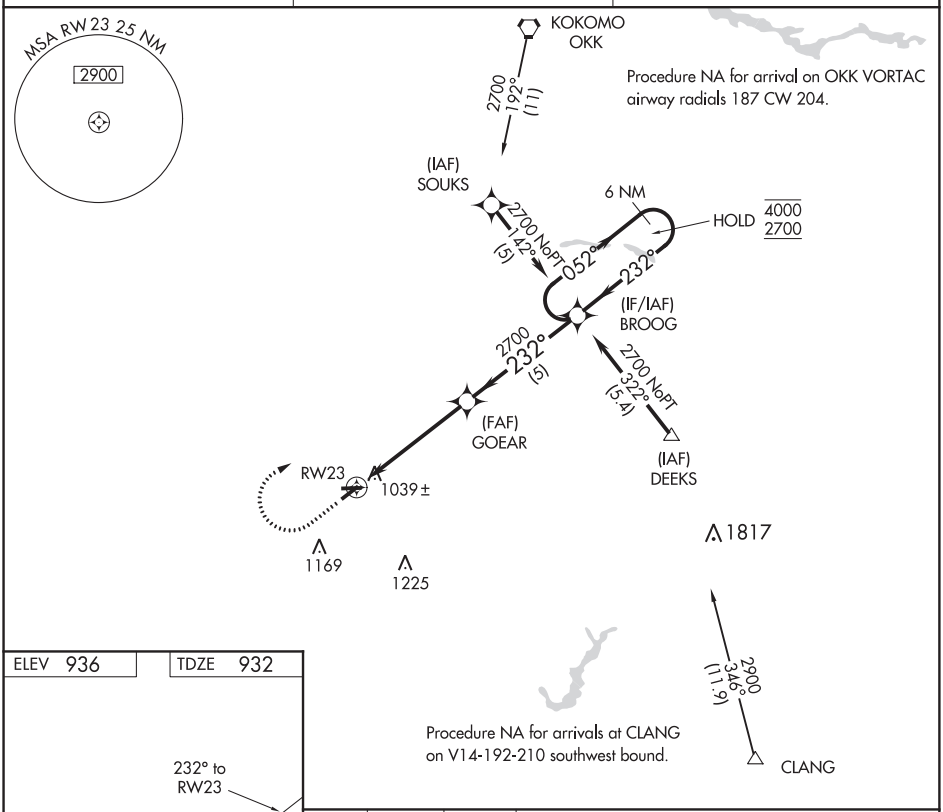
APP CRS		
232°	Rwy ldg	3760
	TDZE	932
	Apt Elev	936

RNP APCH.

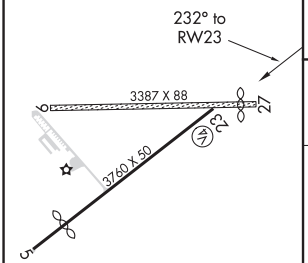
A NA Circling NA to Rwys 9 and 27. Procedure NA at night. Rwy 23 helicopter visibility reduction below 1 SM NA. Use Indianapolis Executive altimeter setting.

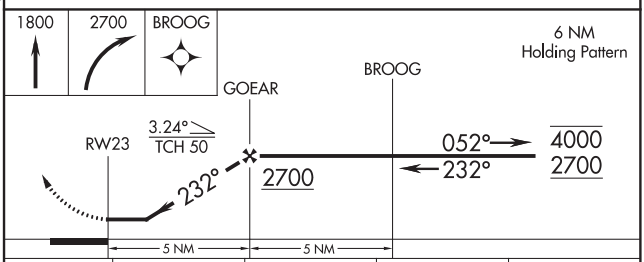
MISSED APPROACH: Climb to 1800 then climbing right turn to 2700 direct BROOG and hold.

TYQ AWOS-3PT	INDIANAPOLIS APP CON	UNICOM
120.725	124.65 317.8	123.075 (CTAF) L



ELEV 936 TDZE 932





CATEGORY	A	B	C	D
LNAV MDA	1380-1 448 (500-1)		1380-1 3/8 448 (500-1 3/8)	NA
C CIRCLING	1460-1 524 (600-1)	1480-1 544 (600-1)	1500-1 1/2 564 (600-1 1/2)	NA

LIRL Rwy 5-23 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

SHERIDAN, INDIANA
Orig-C 08OCT20

40°11′N-86°13′W

SHERIDAN (5I4)
RNAV (GPS) RWY 23

VOR-A
SHERIDAN (5I4)

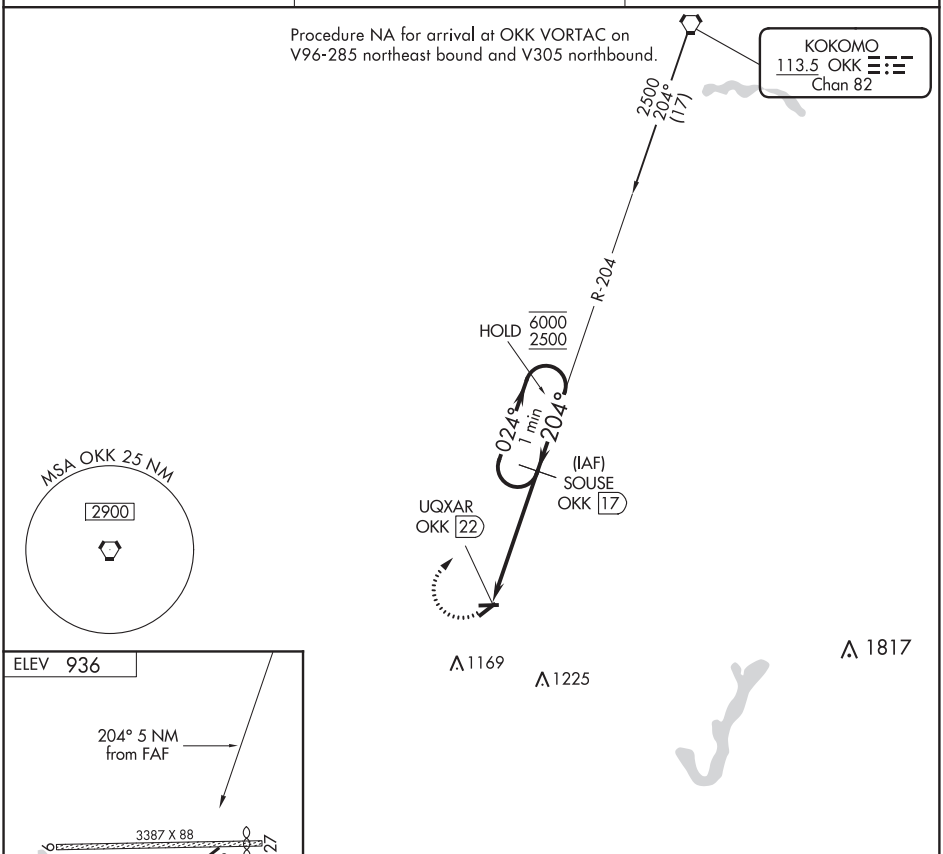
VORTAC OKK	APP CRS	Rwy ldg	N/A
113.5	204°	TDZE	N/A
Chan 82		Apt Elev	936

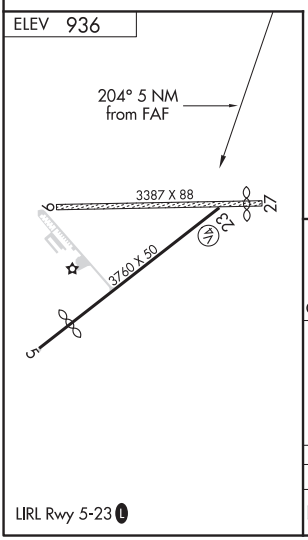
DME required.

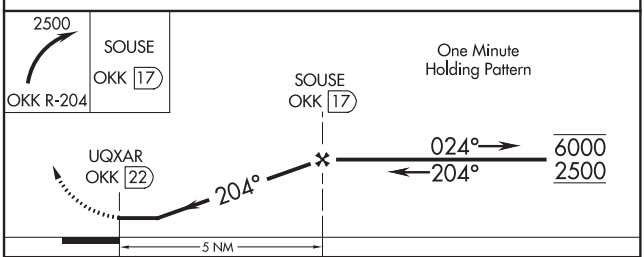
NA — Circling NA to Rwys 9 and 27. Procedure NA at night. Use Indianapolis Executive altimeter setting.

MISSED APPROACH: Climbing right turn to 2500 on OKK VORTAC R-204 to SOUSE/17 DME and hold.

TYQ AWOS-3PT	INDIANAPOLIS APP CON	UNICOM
120.725	124.65 317.8	123.075 (CTAF) L







CATEGORY	A	B	C	D
C CIRCLING	1460-1 524 (600-1)	1480-1 544 (600-1)	1500-1½ 564 (600-1½)	NA

LIRL Rwy 5-23 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

SHREVEPORT, LOUISIANA

AL-884 (FAA)

20282

ILS RWY 14 (CAT II)
SHREVEPORT RGNL (SHV)

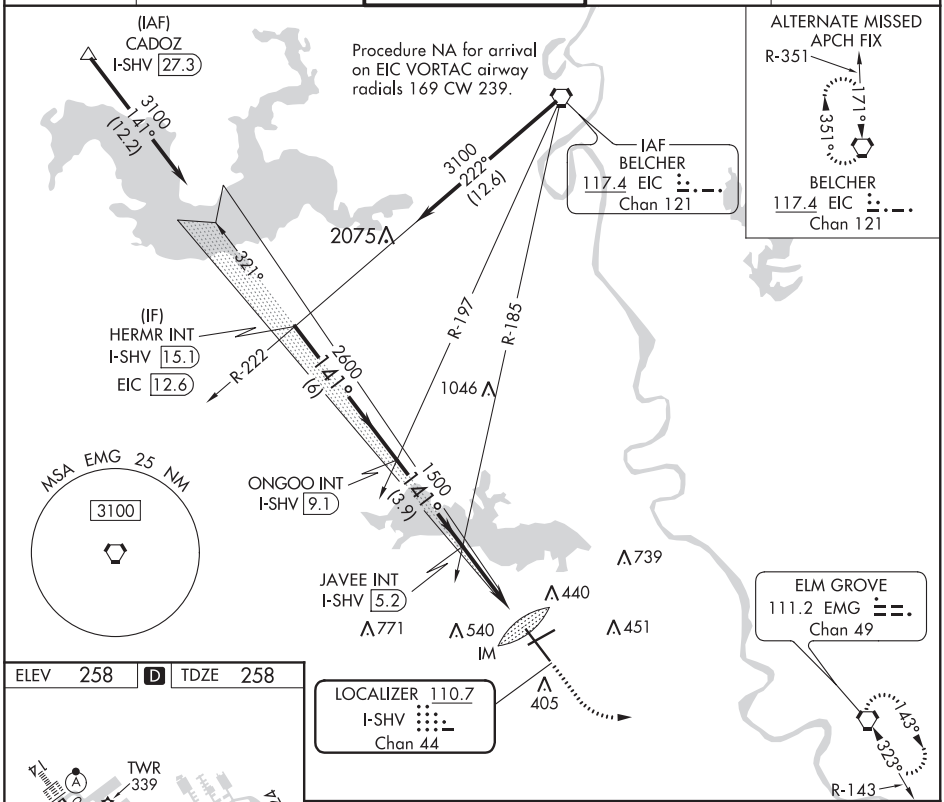
LOC/DME I-SHV 110.7 Chan 44	APP CRS 141°	Rwy ldg 7976 TDZE 258 Apt Elev 258

ASR

ALSF-2

MISSED APPROACH: Climb to 2000 then left turn direct EMG VORTAC and hold.

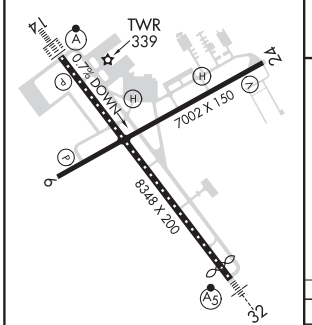
ATIS	SHREVEPORT APP CON	SHREVEPORT TOWER	GND CON	CLNC DEL
128.45	119.9 335.55	121.4 236.775	121.175 236.775	124.65

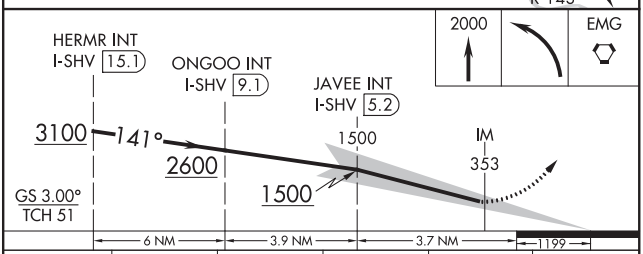


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 258	D	TDZE 258





CATEGORY	A	B	C	D	E
S-ILS 14	RA 93/12 100 DA 358				

REIL Rwys 6 and 24
TDZ/CL Rwy 14
HIRL Rwy 14-32
MIRL Rwy 6-24

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

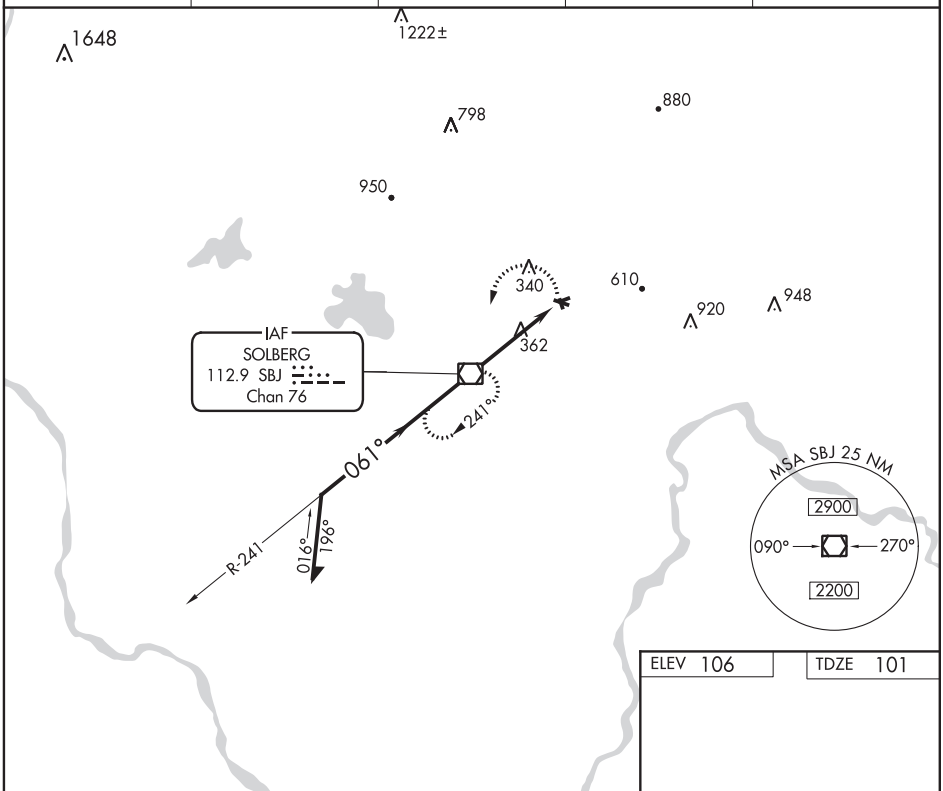
VOR/DME SBJ 112.9 Chan 76	APP CRS 061°	Rwy ldg 1923 TDZE 101 Apt Elev 106

VOR RWY 8
SOMERSET (SMQ)

Helicopter visibility reduction below 1 SM NA. Procedure NA at night. When local altimeter setting not received, use Morristown altimeter setting and increase all MDA 60 feet.

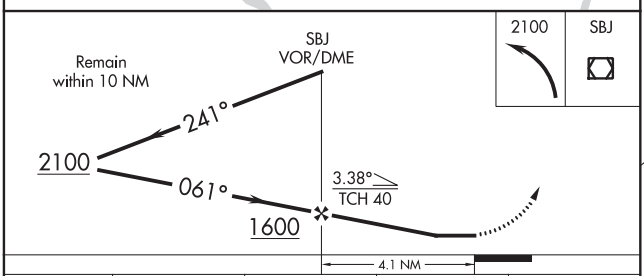
MISSED APPROACH: Climbing left turn to 2100 direct SBJ VOR/DME and hold.

ASOS	NEW YORK APP CON	GCO	UNICOM	
120.6	132.8 379.9	121.725	123.0 (CTAF)	118.325 L



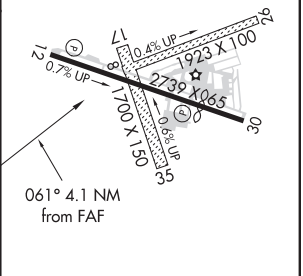
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-8	700-1 599 (600-1)		NA	
C CIRCLING	700-1 594 (600-1)	960-1¼ 854 (900-1¼)	NA	

ELEV 106 TDZE 101



REIL Rwy 12
MIRL Rwy 12-30 L

FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

SOUTHBRIDGE, MASSACHUSETTS AL-5242 (FAA) 20282

WAAS CH 42616 W02A	APP CRS 022°	Rwy ldg 3501 TDZE 696 Apt Elev 699

RNAV (GPS) RWY 2
SOUTHBRIDGE MUNI (3B0)

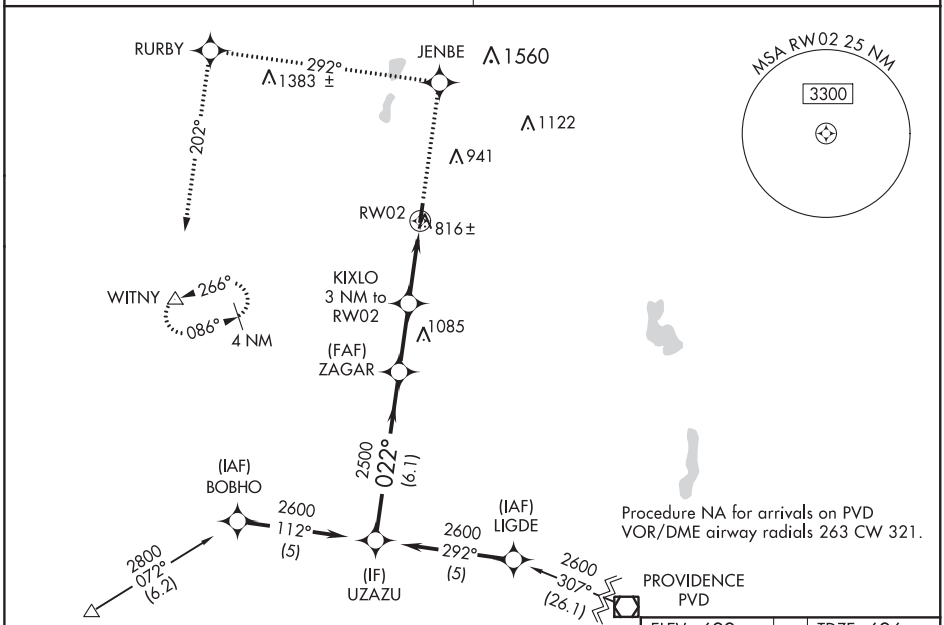
T
NA

DME/DME RNP-0.3 NA. Circling Rwy 20 NA at night.
Use Worcester altimeter setting, when not received use Bradley Intl altimeter setting and increase all DA 72 feet and all MDAs 80 feet, increase LPV all Cats and LNAV Cat C visibility ¼ SM, and Circling Cat C visibility ½ SM.

MISSED APPROACH: Climb to 3000 direct JENBE and via track 292° to RURBY and via track 202° to WITNY and hold.

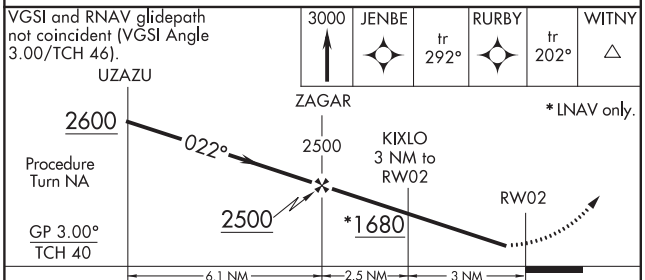
YANKEE APP CON	UNICOM
119.0 327.1	122.8 (CTAF) L

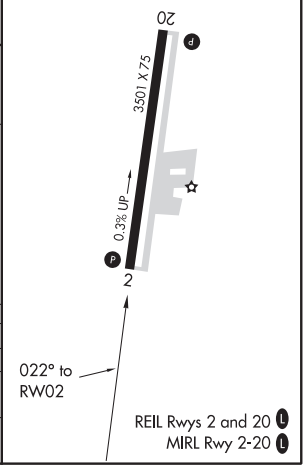
08 OCT 2020 to 05 NOV 2020



ELEV 699	TDZE 696

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 46).





CATEGORY	A	B	C	D
LPV DA	1018-1¼ 322 (400-1¼)			NA
LNAV MDA	1300-1 604 (700-1)		1300-1¾ 604 (700-1¾)	NA
C CIRCLING	1360-1 661 (700-1)		1360-1¾ 661 (700-1¾)	NA

SOUTHBRIDGE, MASSACHUSETTS
Orig-C 08OCT20

42°06′N-72°02′W

SOUTHBRIDGE MUNI (3B0)
RNAV (GPS) RWY 2

LOC I-BZQ	APP CRS	Rwy ldg	5701
111.5	320°	TDZE	179
		Apt Elev	187

ILS or LOC RWY 32

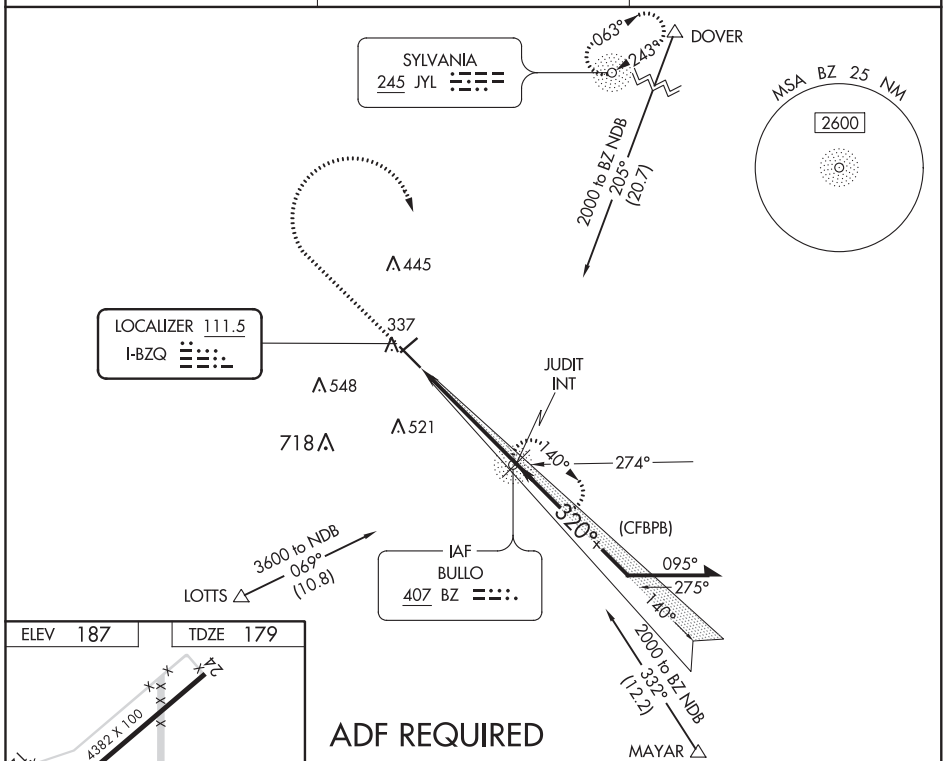
STATESBORO-BULLOCH COUNTY (TBR)

Inop table does not apply to S-ILS 32. ADF required. When local altimeter setting not received, use Sylvania altimeter setting and increase all DA 28 feet and increase all MDA 40 feet, increase Circling Cat C visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA.

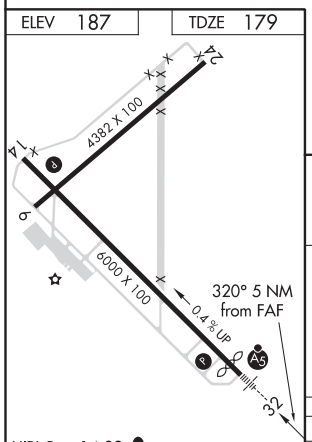
MALSR

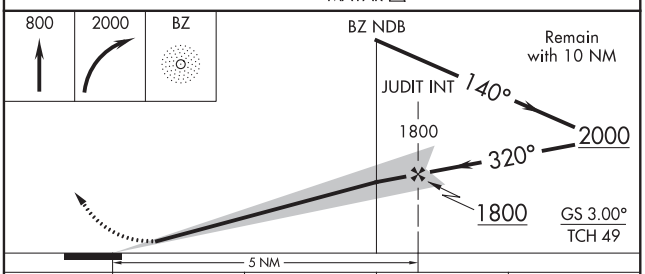
MISSED APPROACH: Climb to 800 then climbing right turn to 2000 direct BULLO NDB and hold.

AWOS-3	SAVANNAH APP CON ★	UNICOM
119.025	118.4 354.0	122.725 (CTAF) L



ADF REQUIRED





FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

CATEGORY	A	B	C	D
S-ILS 32	433-¾ 254 (300-¾)			
S-LOC 32	640-¾ 461 (500-¾)		640-1 461 (500-1)	
C CIRCLING	640-1 453 (500-1)	840-1 653 (700-1)	840-1¾ 653 (700-1¾)	860-2¼ 673 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

STURGEON BAY, WISCONSIN AL-5409 (FAA) 20282

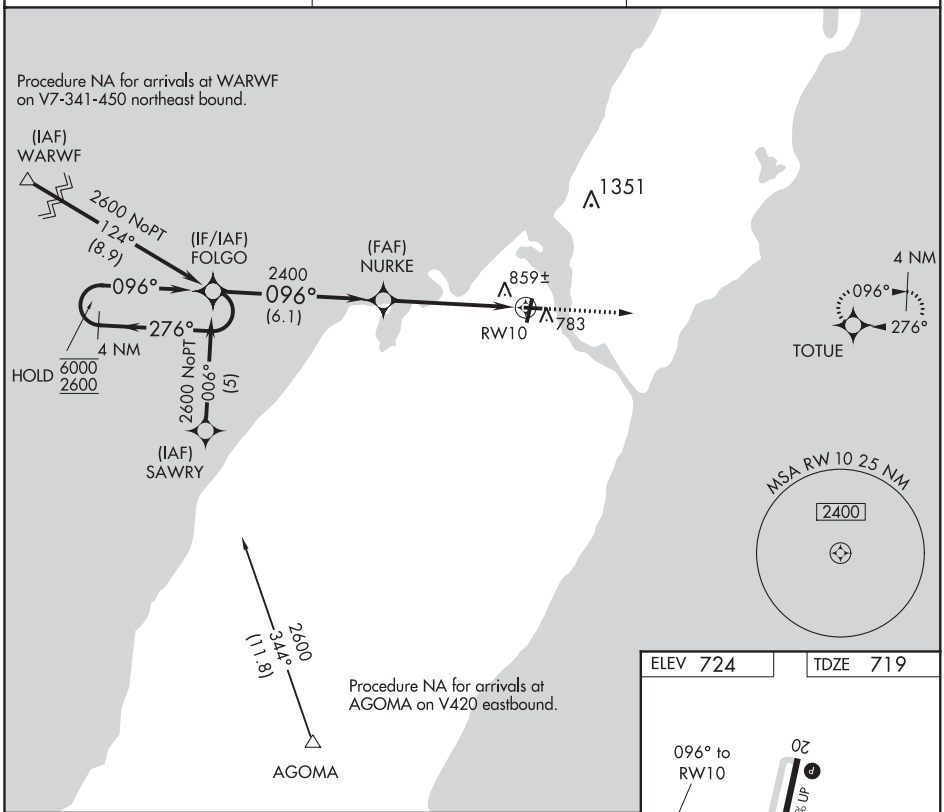
APP CRS	Rwy ldg	3199
096°	TDZE	719
	Apt Elev	724

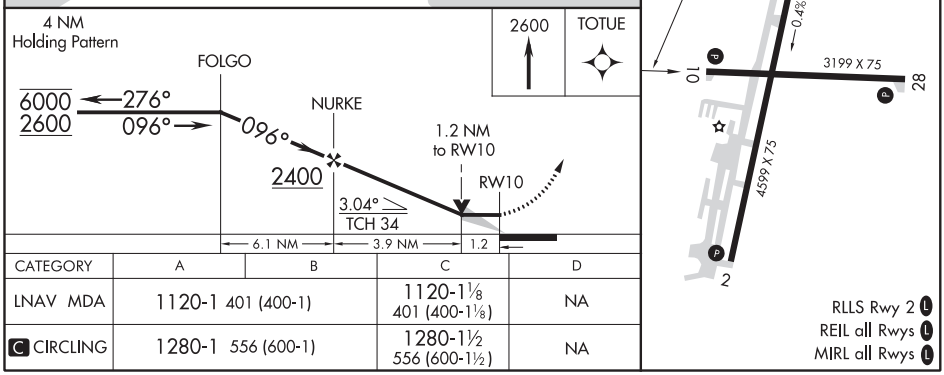
RNAV (GPS) RWY 10
DOOR COUNTY CHERRYLAND (SUE)

RNP APCH.

MISSED APPROACH: Climb to 2600 direct TOTUE and hold.

AWOS-3PT	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1120-1 401 (400-1)		1120-1⅛ 401 (400-1⅛)	NA
C CIRCLING	1280-1 556 (600-1)		1280-1½ 556 (600-1½)	NA

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

STURGEON BAY, WISCONSIN
Orig-C 08OCT20

44°51′N-87°25′W

DOOR COUNTY CHERRYLAND (SUE)
RNAV (GPS) RWY 10

APP CRS	Rwy ldg	3199
276°	TDZE	719
	Apt Elev	724

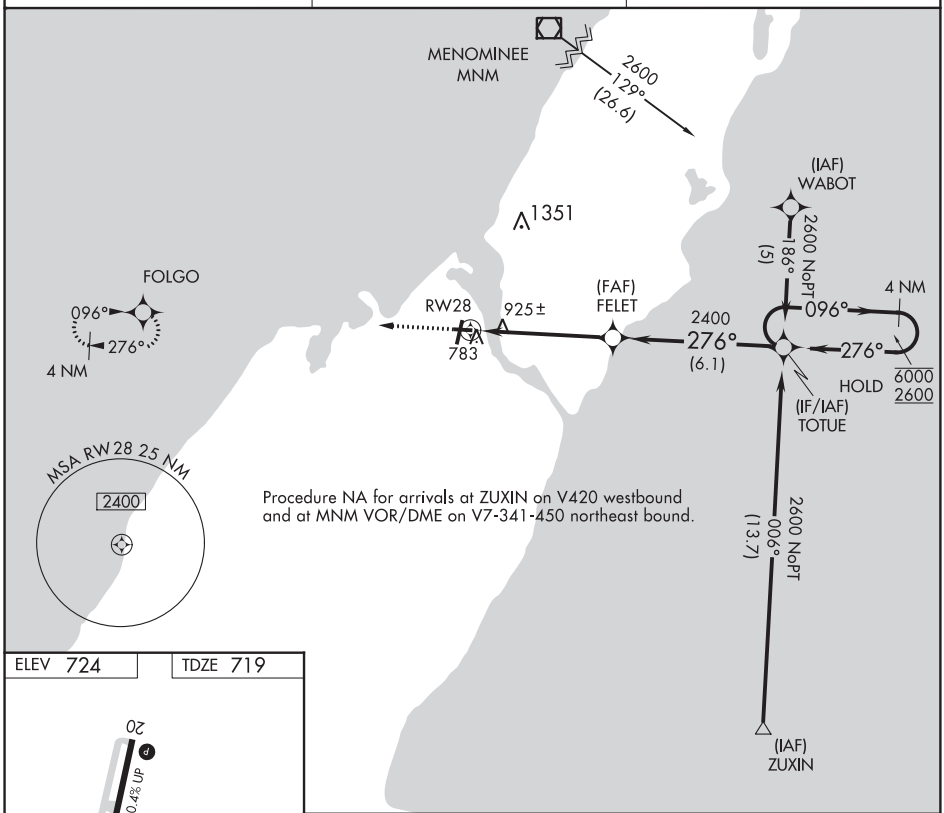
RNAV (GPS) RWY 28
DOOR COUNTY CHERRYLAND (SUE)

RNP APCH.

Rwy 28 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2600 direct FOLGO and hold.

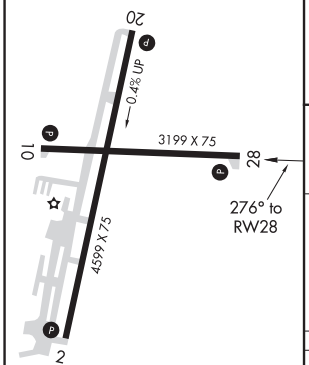
AWOS-3	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7 (CTAF) L

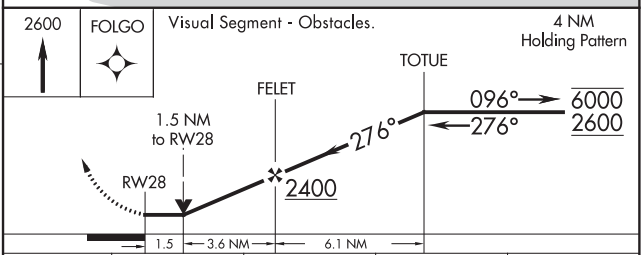


08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 724 TDZE 719





CATEGORY	A	B	C	D
LNAV MDA	1240-1	521 (600-1)	1240-1½ 521 (600-1½)	NA
C CIRCLING	1280-1	556 (600-1)	1280-1½ 556 (600-1½)	NA

RLLS Rwy 2 L
REIL all Rwys L
MIRL all Rwys L

SUMTER, SOUTH CAROLINA

AL-5194 (FAA)

20282

RNAV (GPS) RWY 5

SUMTER (SMS)

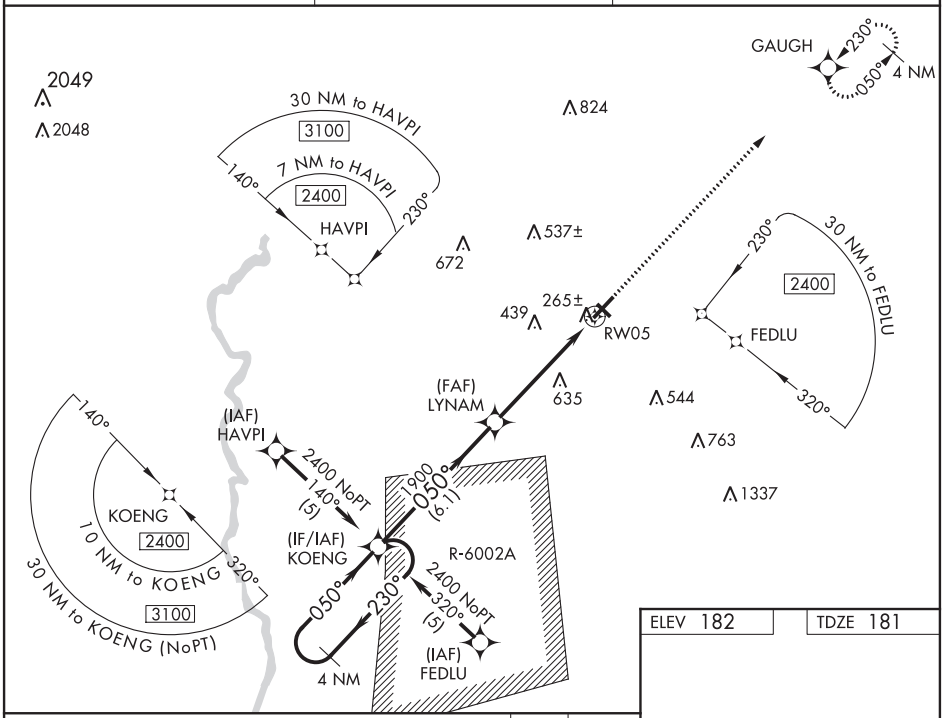
WAAS CH 61215 W05A	APP CRS 050°	Rwy ldg 5501 TDZE 181 Apt Elev 182

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Procedure NA when R-6002A is active. Circling NA to Rwy 14-32. When local altimeter setting not received, use Camden altimeter setting and increase all DA 65 feet and all MDA 80 feet and LPV all Cats, LNAV/VNAV all Cats, LNAV Cats C/D, and Circling Cats C/D visibilities ¼ mile. VDP and Baro/VNAV NA when using Camden altimeter setting.

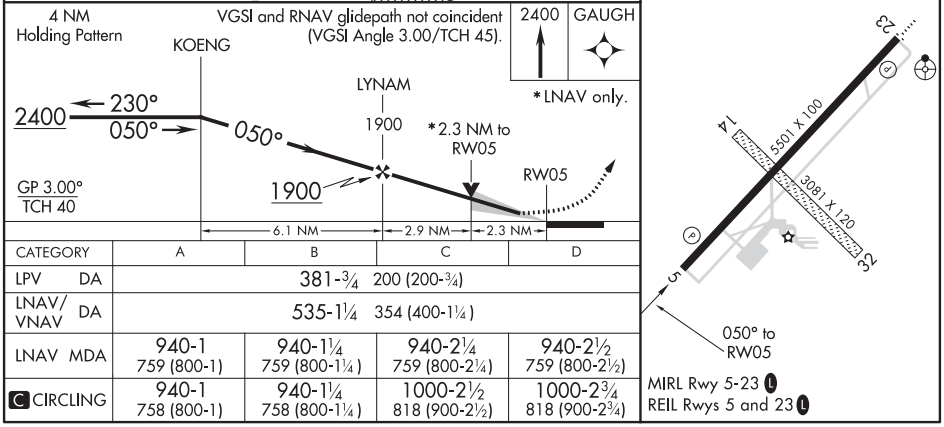
MISSED APPROACH: Climb to 2400 direct GAUGH and hold.

AWOS-3	SHAW APP CON*	UNICOM
118.075	125.4	122.7 (CTAF) L

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	381-¾ 200 (200-¾)			
LNAV/VNAV DA	535-1¼ 354 (400-1¼)			
LNAV MDA	940-1 759 (800-1)	940-1¼ 759 (800-1¼)	940-2¼ 759 (800-2¼)	940-2½ 759 (800-2½)
C CIRCLING	940-1 758 (800-1)	940-1¼ 758 (800-1¼)	1000-2½ 818 (900-2½)	1000-2¾ 818 (900-2¾)

NDB RWY 23
SUMTER (SMS)

NDB SMS	APP CRS	Rwy ldg / TDZE / Apt Elev
252	217°	5501 / 182 / 182

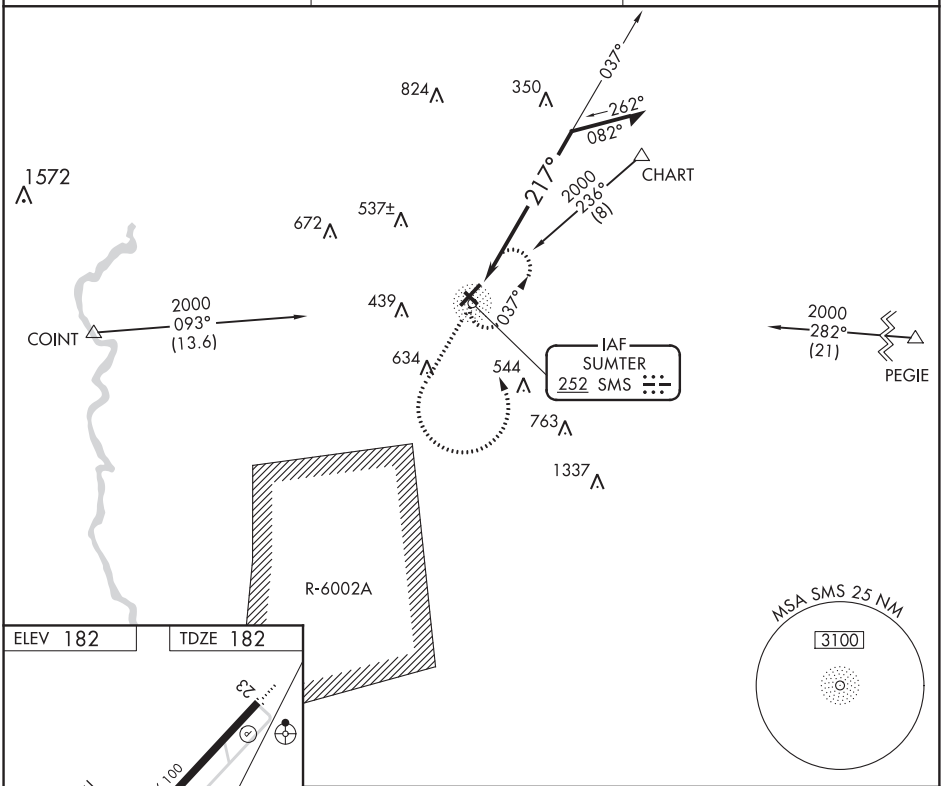
Inoperative table does not apply to S-23 Cat C. Procedure NA when R-6002A is active. Circling NA to Rwy 14-32. When local altimeter setting not received, use Camden altimeter setting and increase all MDA 80 feet, increase S-23 Cat C visibility ⅛ SM, Circling Cat C/D visibility ¼ SM.

ODALS

MISSED APPROACH: Climb to 2000 then climbing left turn direct SMS NDB and hold.

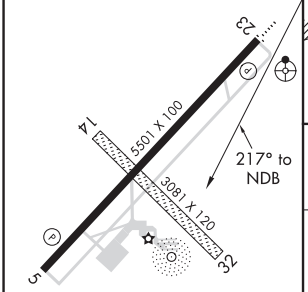
AWOS-3	SHAW APP CON ★	UNICOM
118.075	125.4	122.7 (CTAF) L

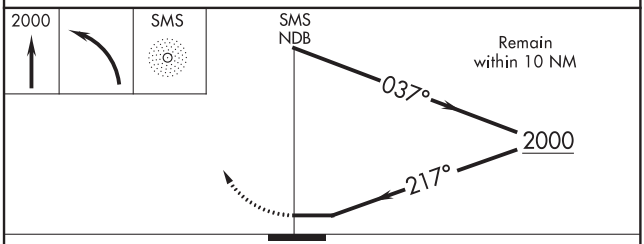
08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020

ELEV 182 TDZE 182





CATEGORY	A	B	C	D
S-23	700-¾ 518 (600-¾)		700-1½ 518 (600-1½)	700-1¾ 518 (600-1¾)
C CIRCLING	700-1 518 (600-1)		1000-2½ 818 (900-2½)	1000-2¾ 818 (900-2¾)

MIRL Rwy 5-23 L
REIL Rwys 5 and 23 L

TACOMA, WASHINGTON

AL-5186 (FAA)

20282

RNAV (GPS) RWY 17
TACOMA NARROWS (TIW)

WAAS CH 82608 W17A	APP CRS 167°	Rwy ldg 5002 TDZE 294 Apt Elev 295

RNP APCH.

VDP NA with McChord Field altimeter setting. For inoperative MALSR, increase LPV all Cats visibility to 1⅛ mile. Circling NA east of Rwy 17/35.

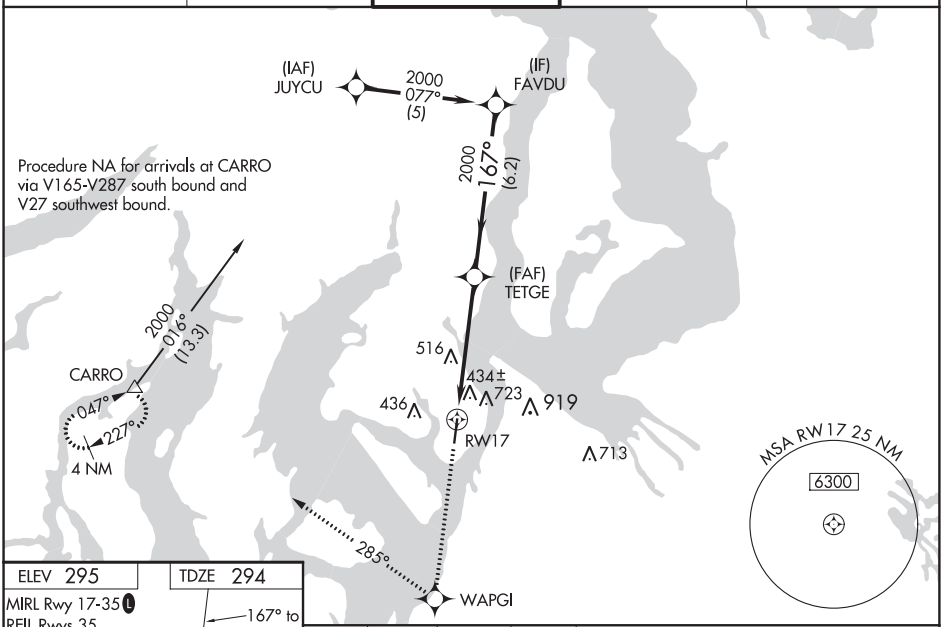
Baro-VNAV NA when using McChord Field altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). When local altimeter setting not received, use McChord Field altimeter setting and increase all DA 25 feet, all MDA 40 feet, and increase LPV all Cats visibility ⅛ mile.

MALSR

MISSED APPROACH: Climb to 4000 direct WAPGI and right turn via 285° track to CARRO and hold, continue climb-in-hold to 4000.

ATIS	SEATTLE APP CON	TACOMA TOWER ★	GND CON	UNICOM
124.05	120.1 290.9	118.5 (CTAF) L 253.5	121.8	122.95

08 OCT 2020 to 05 NOV 2020

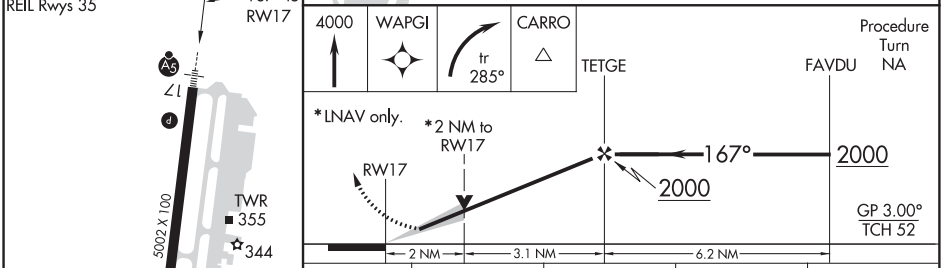


08 OCT 2020 to 05 NOV 2020

ELEV 295 | TDZE 294

MIRL Rwy 17-35 L

REIL Rwys 35



CATEGORY	A	B	C	D
LPV DA	638-⅝ 344 (400-⅝)			
LNAV/VNAV DA	992-2 698 (700-2)			
LNAV MDA	980-½ 686 (700-½)		980-1½ 686 (700-1½)	
C CIRCLING	980-1 685 (700-1)		980-2 685 (700-2)	980-2¼ 685 (700-2¼)

WAAS CH 50312 W35A	APP CRS 347°	Rwy ldg 5002 TDZE 295 Apt Elev 295

RNAV (GPS) RWY 35
TACOMA NARROWS (TIW)

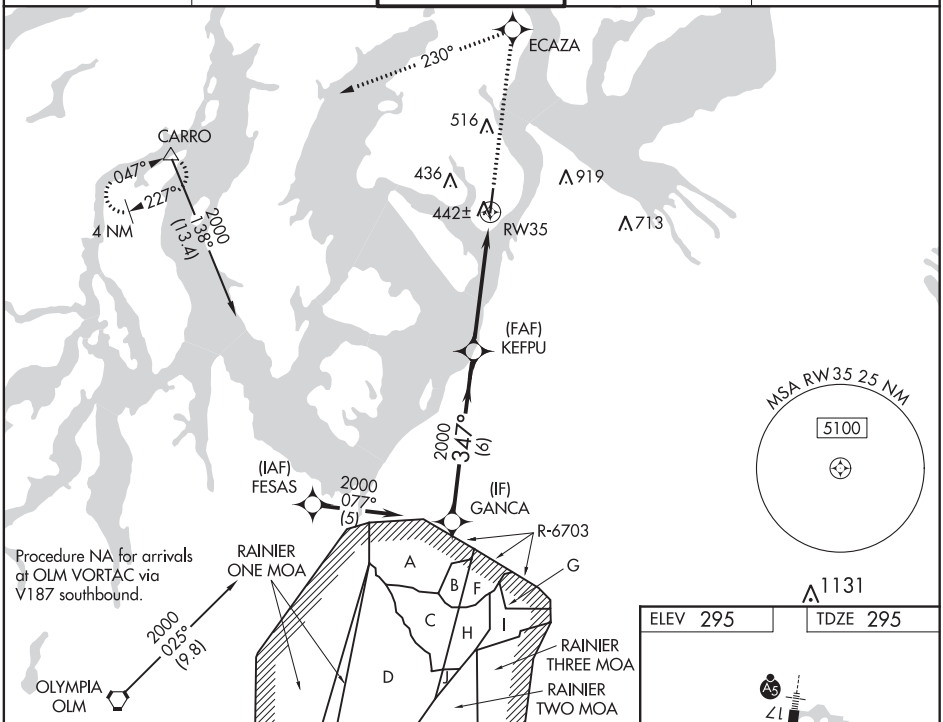
RNP APCH.

Baro-VNAV NA when using McChord Field altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). Circling NA east of Rwy 17-35. When local altimeter setting not received, use McChord Field altimeter setting and increase all DA 25 feet and all MDA 40 feet.

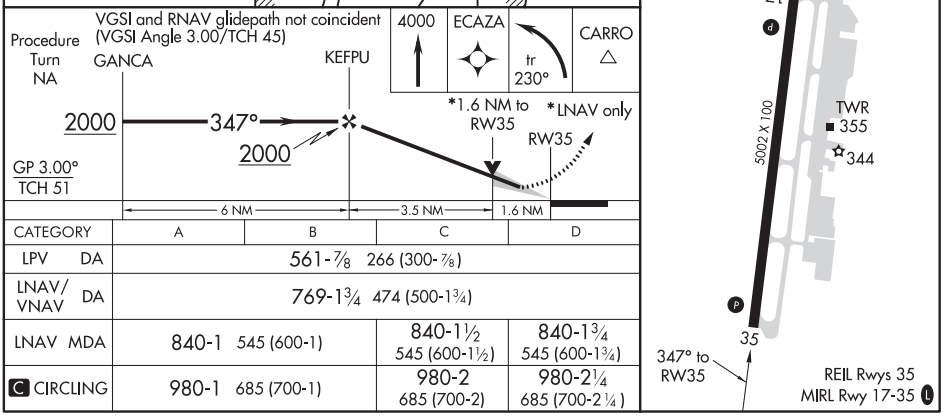
MISSED APPROACH: Climb to 4000 direct ECAZA and left turn via 230° track to CARRO and hold, continue climb-in-hold to 4000.

ATIS	SEATTLE APP CON	TACOMA TOWER ★	GND CON	UNICOM
124.05	120.1 290.9	118.5 (CTAF) L 253.5	121.8	122.95

08 OCT 2020 to 05 NOV 2020



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	561-⅞ 266 (300-⅞)			
LNAV/VNAV DA	769-1¾ 474 (500-1¾)			
LNAV MDA	840-1 545 (600-1)		840-1½ 545 (600-1½)	840-1¾ 545 (600-1¾)
C CIRCLING	980-1 685 (700-1)		980-2 685 (700-2)	980-2¼ 685 (700-2¼)

TAMPA, FLORIDA

AL-416 (FAA)

20282

RNAV (GPS) RWY 1L
TAMPA INTL (TPA)

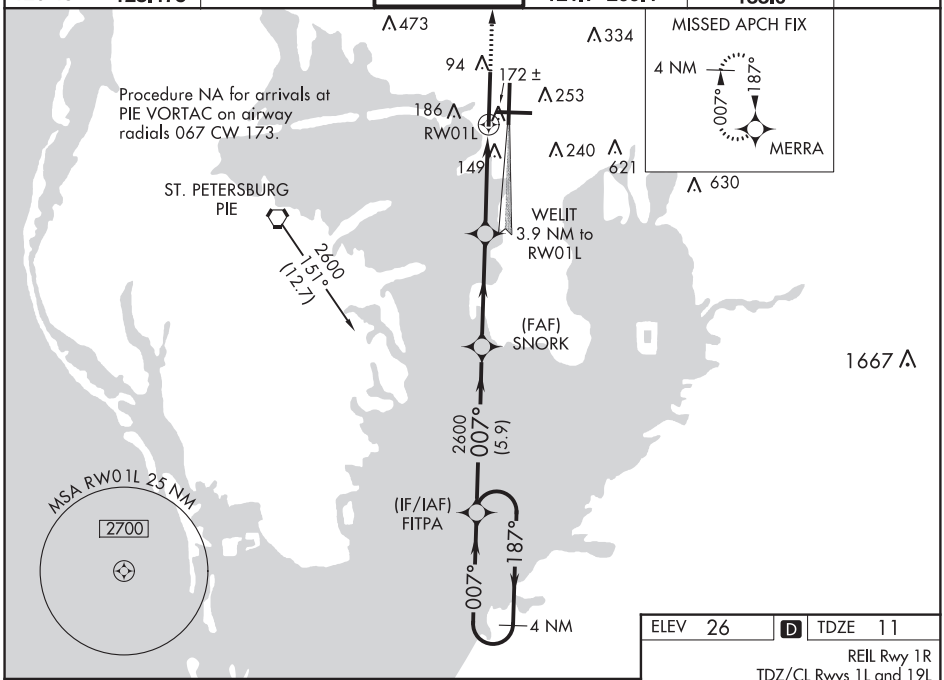
WAAS CH 50406 W01A	APP CRS 007°	Rwy ldg 10800 TDZE 11 Apt Elev 26

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. For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1⅜ mile, and LNAV Cat E visibility to RVR 6000. Simultaneous approach authorized with Rwy 1R. 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 3000 direct MERRA and hold.

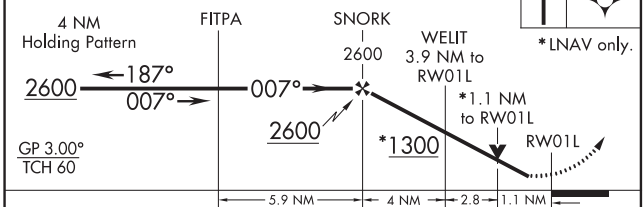
ARR	D-ATIS	DEP	TAMPA APP CON	TAMPA TOWER	GND CON	CLNC DEL	CPDLC
126.45		128.475	118.5 307.175	119.5 269.4	121.7 269.4	133.6	



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

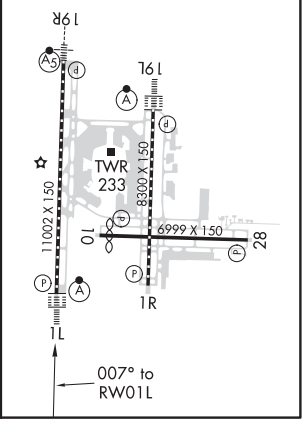
VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).



CATEGORY	A	B	C	D	E
LPV DA	211/18 200 (200-½)				
LNAV/VNAV DA	431/45 420 (500-⅞)				
LNAV MDA	440/24 429 (500-½)		440/40 429 (500-¾)		
C CIRCLING	560-1 534 (600-1)		680-1¾ 654 (700-1¾)	980-3 954 (1000-3)	

ELEV 26 | D | TDZE 11

REIL Rwy 1R
TDZ/CL Rwys 1L and 19L
HIRL Rwys 1L-19R, 1R-19L, and 10-28



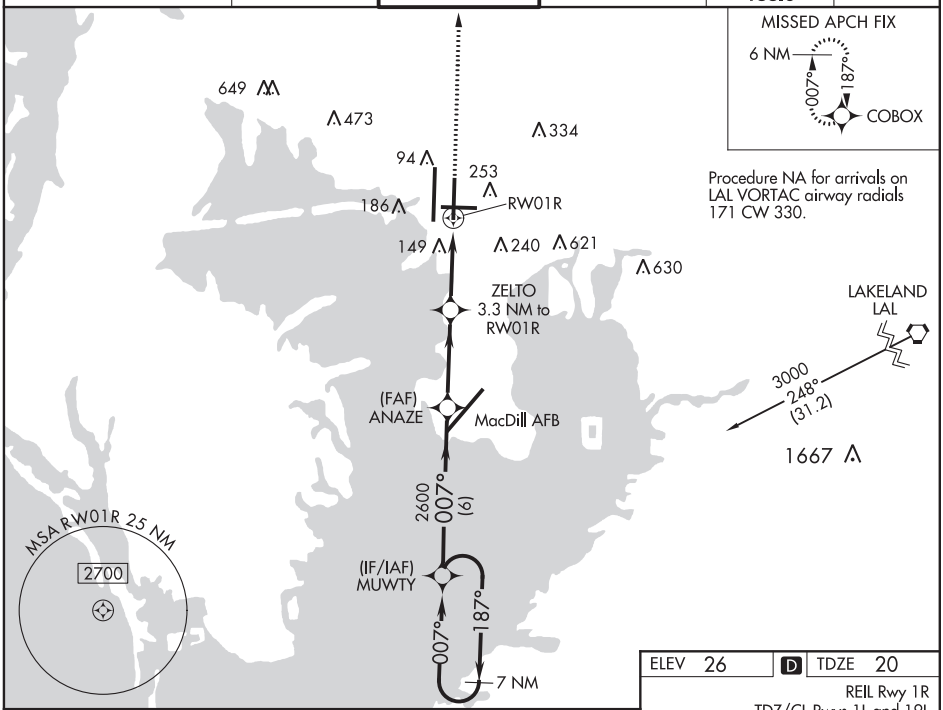
RNAV (GPS) RWY 1R
TAMPA INTL (TPA)

WAAS CH 87105 W01B	APP CRS 007°	Rwy ldg 8300 TDZE 20 Apt Elev 26

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 0°C (32°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 1L. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

MISSED APPROACH: Climb to 2000 direct COBOX and hold.

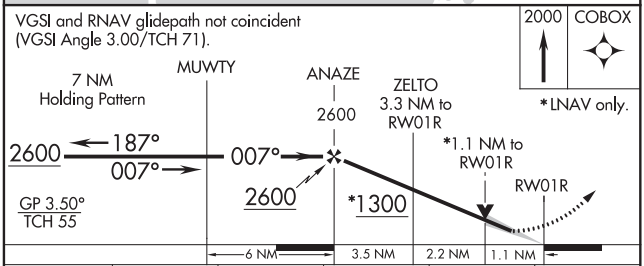
ARR	D-ATIS	DEP	TAMPA APP CON	TAMPA TOWER	GND CON	CLNC DEL	CPDLC
126.45		128.475	118.5 307.175	119.5 269.4	121.7 269.4	133.6	



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

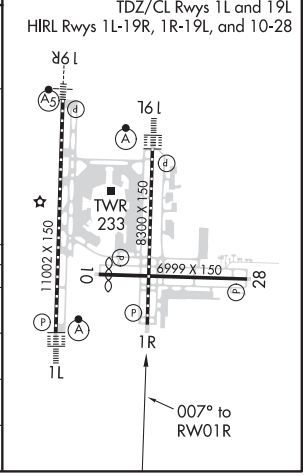
VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).



CATEGORY	A	B	C	D	E
LPV DA	290-⅞ 270 (300-⅞)			NA	
LNAV/VNAV DA	491-1⅜ 471 (500-1⅜)			NA	
LNAV MDA	440-1 420 (500-1)		440-1¼ 420 (500-1¼)		
C CIRCLING	560-1 534 (600-1)		680-1¾ 654 (700-1¾)	980-3 954 (1000-3)	

ELEV 26 | D | TDZE 20

REIL Rwy 1R
TDZ/CL Rwys 1L and 19L
HIRL Rwys 1L-19R, 1R-19L, and 10-28



TAMPA, FLORIDA

AL-416 (FAA)

20282

RNAV (GPS) RWY 19R
TAMPA INTL (TPA)

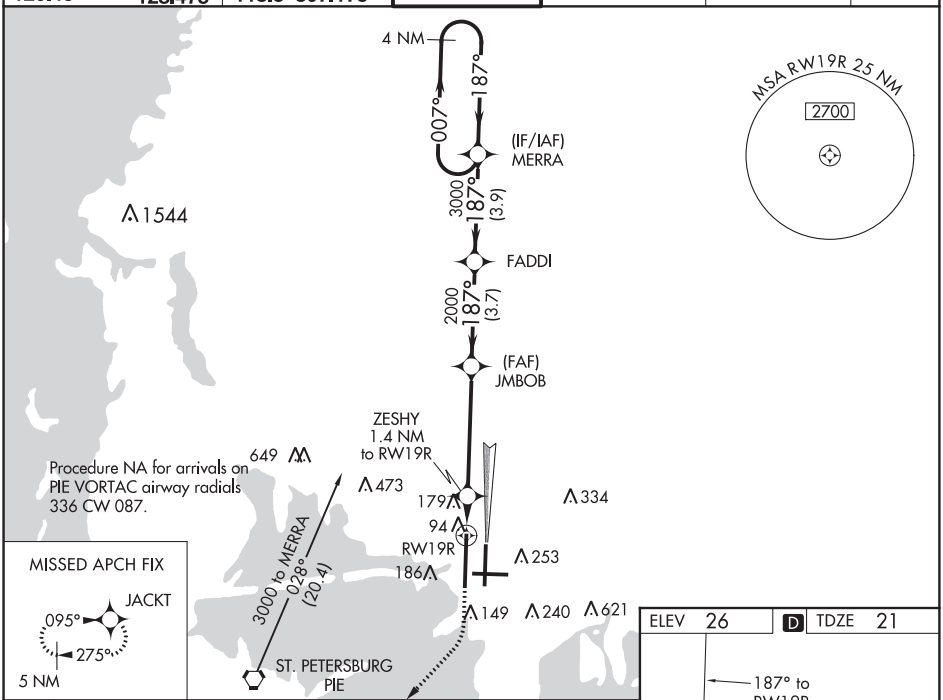
WAAS CH 40406 W19B	APP CRS 187°	Rwy ldg 11002 TDZE 21 Apt Elev 26

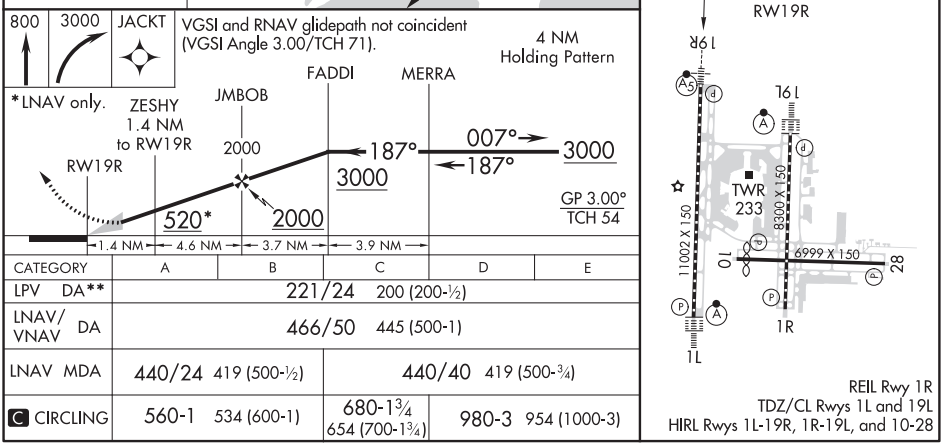
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 43°C (109°F). DME/DME RNP-0.3 NA. For inop MALSR, increase LPV Cat E visibility to ¾ mile, LNAV/VNAV Cat E visibility to 1½ mile, and LNAV Cat E visibility to 1⅛. Simultaneous approach authorized with Rwy 19L. LNAV procedure 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 800 then climbing right turn to 3000 direct JACKT and hold, continue climb-in-hold to 3000.

ARR	D-ATIS	DEP	TAMPA APP CON	TAMPA TOWER	GND CON	CLNC DEL	CPDLC
126.45		128.475	118.5 307.175	119.5 269.4	121.7 269.4	133.6	





CATEGORY	A	B	C	D	E
LPV DA**	221/24 200 (200-½)				
LNAV/VNAV DA	466/50 445 (500-1)				
LNAV MDA	440/24 419 (500-½)		440/40 419 (500-¾)		
C CIRCLING	560-1 534 (600-1)		680-1¾ 654 (700-1¾)	980-3 954 (1000-3)	

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

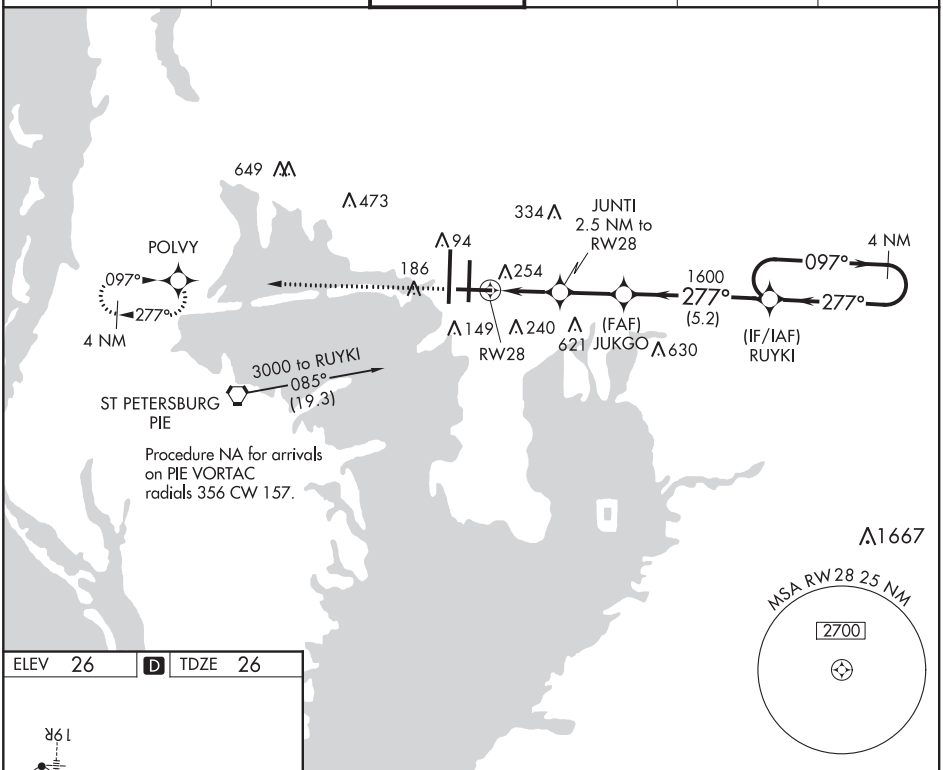
RNAV (GPS) RWY 28
TAMPA INTL (TPA)

WAAS CH 70520 W28A	APP CRS 277°	Rwy ldg 6501 TDZE 26 Apt Elev 26

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. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 direct POLVY and hold.

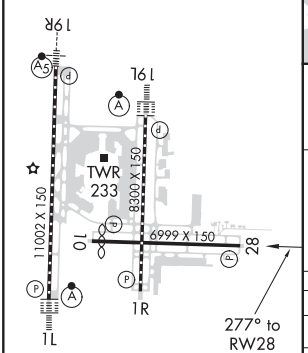
D-ATIS ARR	D-ATIS DEP	TAMPA APP CON	TAMPA TOWER	GND CON	CLNC DEL	CPDLC
126.45	128.475	118.5 307.175	119.5 269.4	121.7 269.4	133.6	



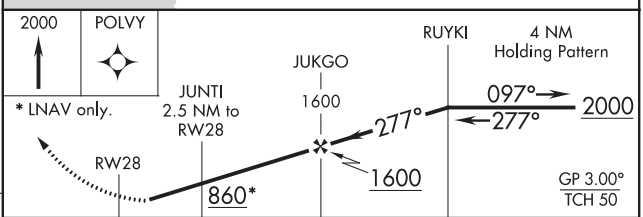
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 26 | D | TDZE 26



REIL Rwy 1R
TDZ/CL Rwys 1L and 19L
HIRL Rwys 1L-19R, 1R-19L, and 10-28



CATEGORY	A	B	C	D
LPV DA	389-1⅛ 363 (400-1⅛)			
LNAV/VNAV DA	468-1½ 442 (500-1½)			
LNAV MDA	520-1 494 (500-1)		520-1⅜ 494 (500-1⅜)	
C CIRCLING	560-1 534 (600-1)		680-1¾ 654 (700-1¾)	980-3 954 (1000-3)

TAMPA, FLORIDA AL-416 (FAA) 20282

RNAV (GPS) Z RWY 19L
TAMPA INTL (TPA)

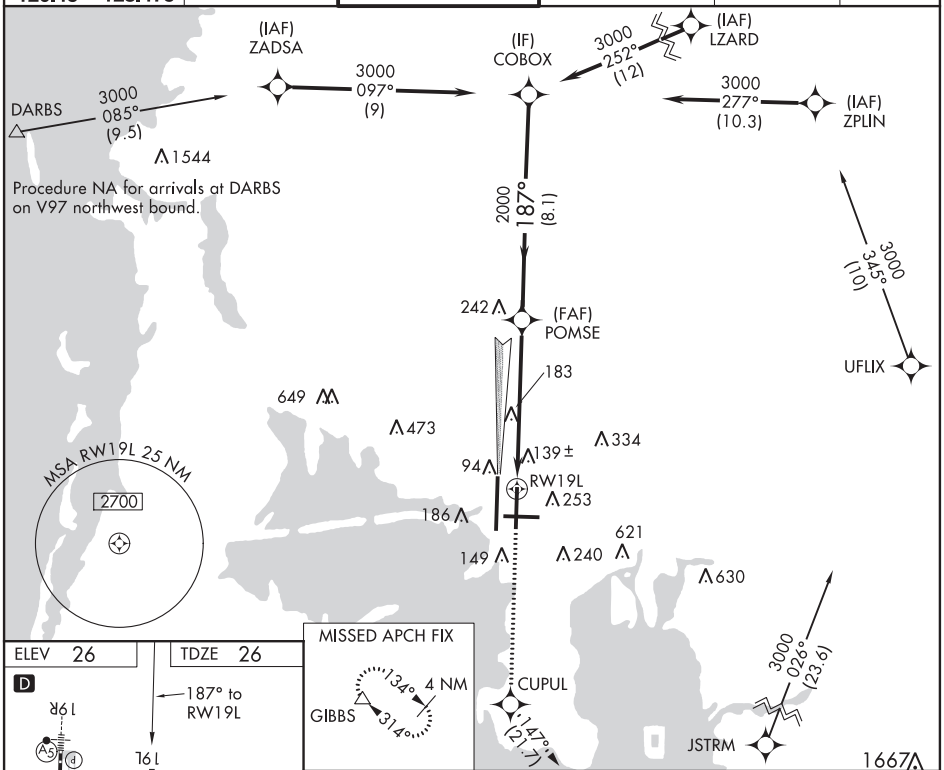
WAAS CH 49100 W19A	APP CRS 187°	Rwy ldg 8300 TDZE 26 Apt Elev 26

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. Simultaneous approach authorized with Rwy 19R. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultanous operations. ** RVR 1800 authorized with use of FD or AP or HUD to DA.

ALSF-2

MISSED APPROACH: Climb to 2800 direct CUPUL and on track 147° to GIBBS and hold.

ARR D-ATIS DEP	TAMPA APP CON	TAMPA TOWER	GND CON	CLNC DEL	CPDLC
126.45 128.475	118.5 307.175	119.5 269.4	121.7 269.4	133.6	



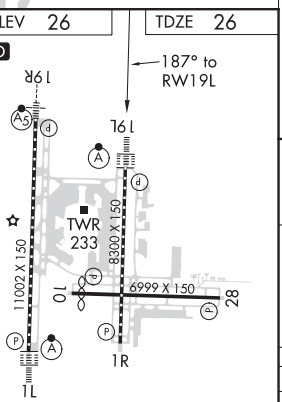
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

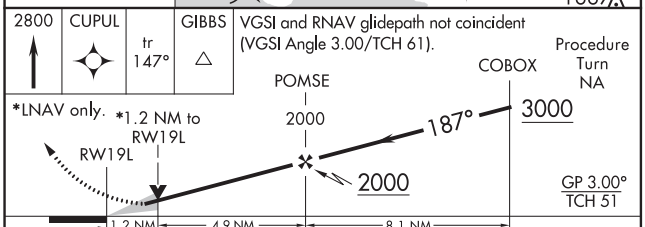
ELEV 26 | TDZE 26

D

187° to RW19L



REIL Rwy 1R
TDZ/CL Rwys 1L and 19L
HIRL Rwys 1L-19R, 1R-19L, and 10-28



CATEGORY	A	B	C	D
LPV DA**	226/24 200 (200-½)			
LNAV/VNAV DA	440/45 414 (500-⅞)			
LNAV MDA	460/24 434 (500-½)		460/40 434 (500-¾)	
C CIRCLING	560-1 534 (600-1)		680-1¾ 654 (700-1¾)	980-3 954 (1000-3)

VORTAC CWK 112.8 Chan 75	APP CRS 194°	Rwy ldg 4000 TDZE 600 Apt Elev 600

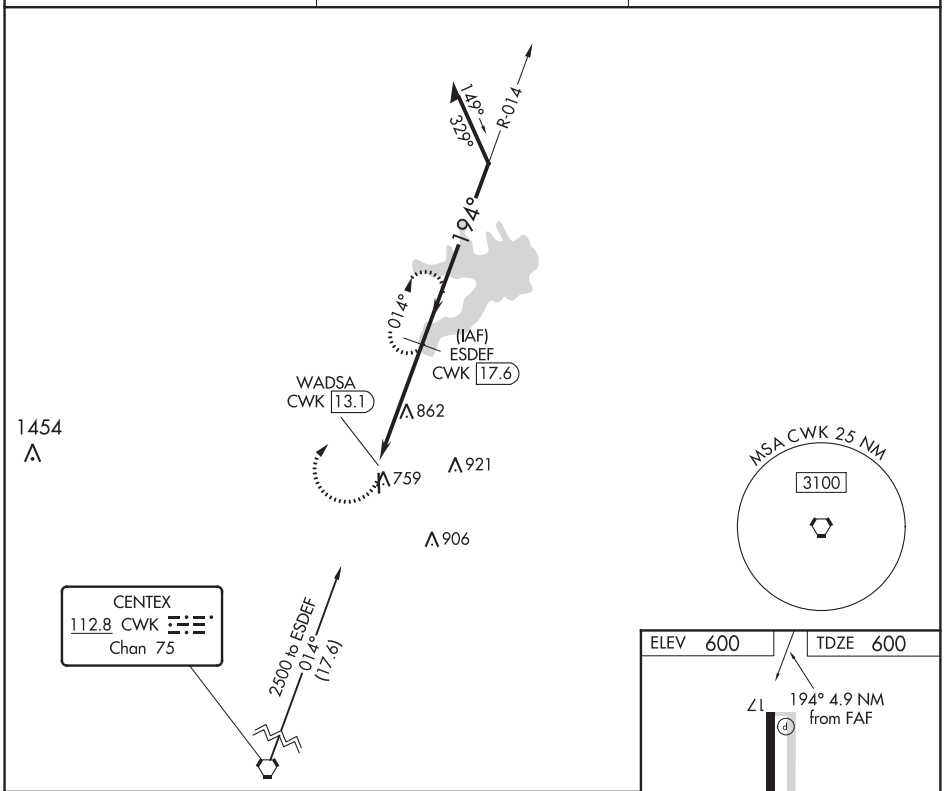
VOR RWY 17
TAYLOR MUNI (T74)

DME required.

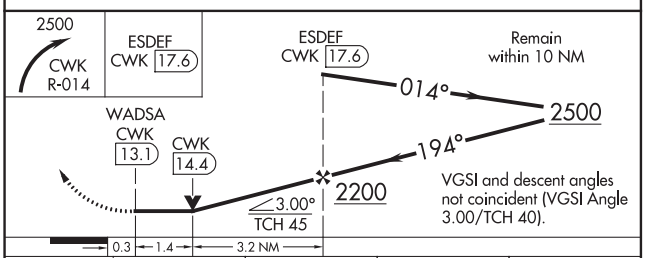
Circling Rwy 35 NA at night. Rwy 17 helicopter visibility reduciton below ¾ SM NA. When local altimeter setting not received, use Austin-Executive altimeter setting and increase all MDA 40 feet. VDP NA when using Austin-Executive altimeter setting.

MISSED APPROACH: Climbing right turn to 2500 on CWK VORTAC R-014 to ESDEF/17.6 DME and hold.

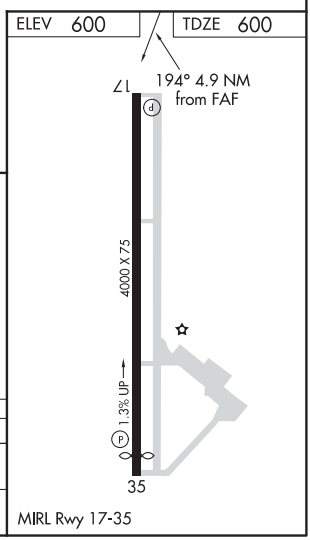
AWOS-3PT	AUSTIN APP CON	UNICOM
119.75	127.225 317.65	122.8 (CTAF)



08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
S-17	1180-1	580 (600-1)	NA	
C CIRCLING	1180-1	580 (600-1)	NA	



TOOELE, UTAH | AL-6944 (FAA) | 20282

WAAS CH 73031 W17A	APP CRS 166°	Rwy ldg 6100 TDZE 4297 Apt Elev 4322

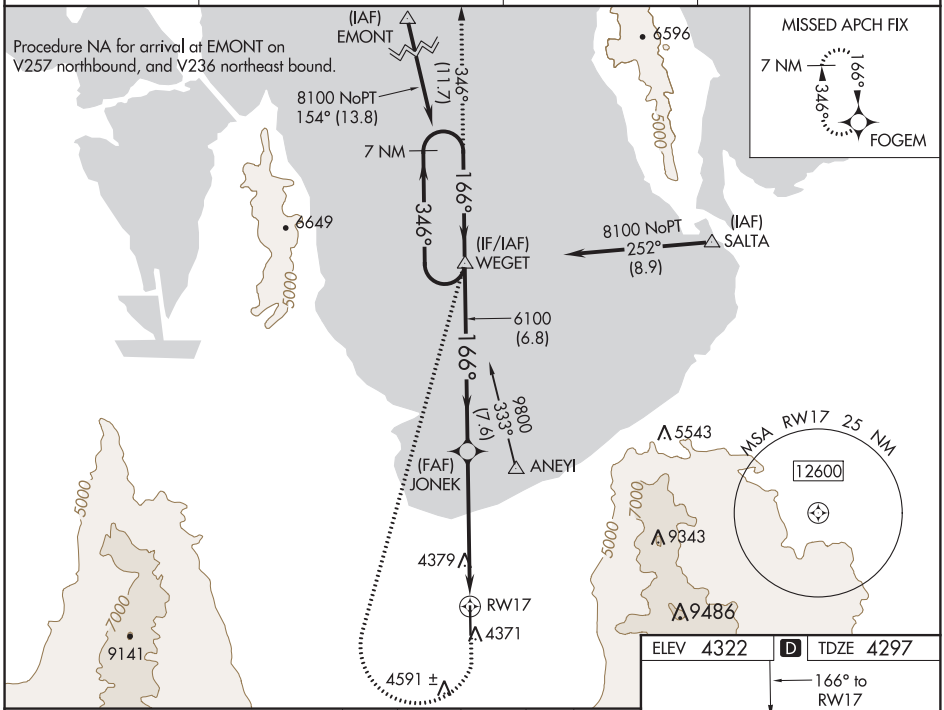
RNAV (GPS) RWY 17
BOLINDER FIELD-TOOELE VALLEY (TVY)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 49°C (120°F). DME/DME RNP-0.3 NA. For inop ALS, increase LNAV/VNAV all Cats visibility to ⅞ SM, increase LNAV Cat C/D visibility to 1 SM.

MALSR

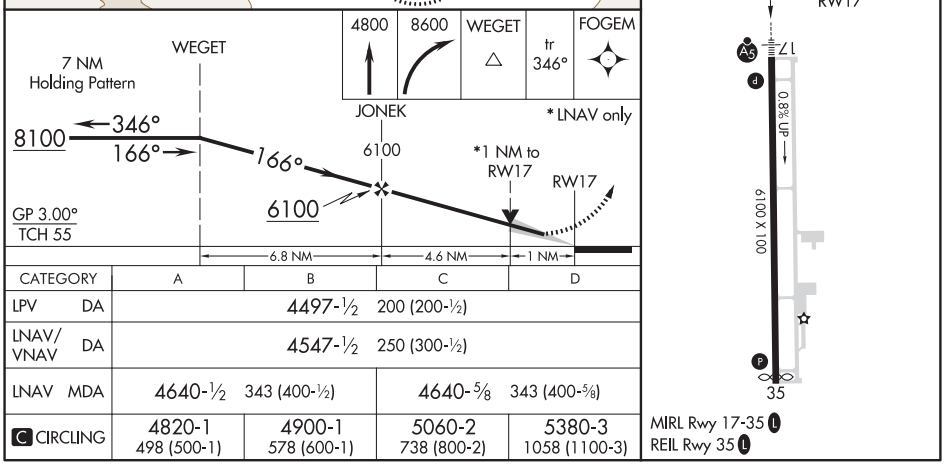
MISSED APPROACH: Climb to 4800 then climbing right turn to 8600 direct WEGET and track 346° to FOGEM and hold.

AWOS-3	SALT LAKE CITY APP CON	CLNC DEL	UNICOM
119.725	135.5 316.15	124.4	123.0 (CTAF) L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LPV DA	4497-½ 200 (200-½)			
LNAV/VNAV DA	4547-½ 250 (300-½)			
LNAV MDA	4640-½ 343 (400-½)		4640-⅝ 343 (400-⅝)	
C CIRCLING	4820-1 498 (500-1)	4900-1 578 (600-1)	5060-2 738 (800-2)	5380-3 1058 (1100-3)

TOOELE, UTAH
Amdt 4 14SEP17

40°37′N-112°21′W

BOLINDER FIELD-TOOELE VALLEY (TVY)
RNAV (GPS) RWY 17

WAAS CH 53634 W18A	APP CRS 177°	Rwy ldg 4331 TDZE 881 Apt Elev 881

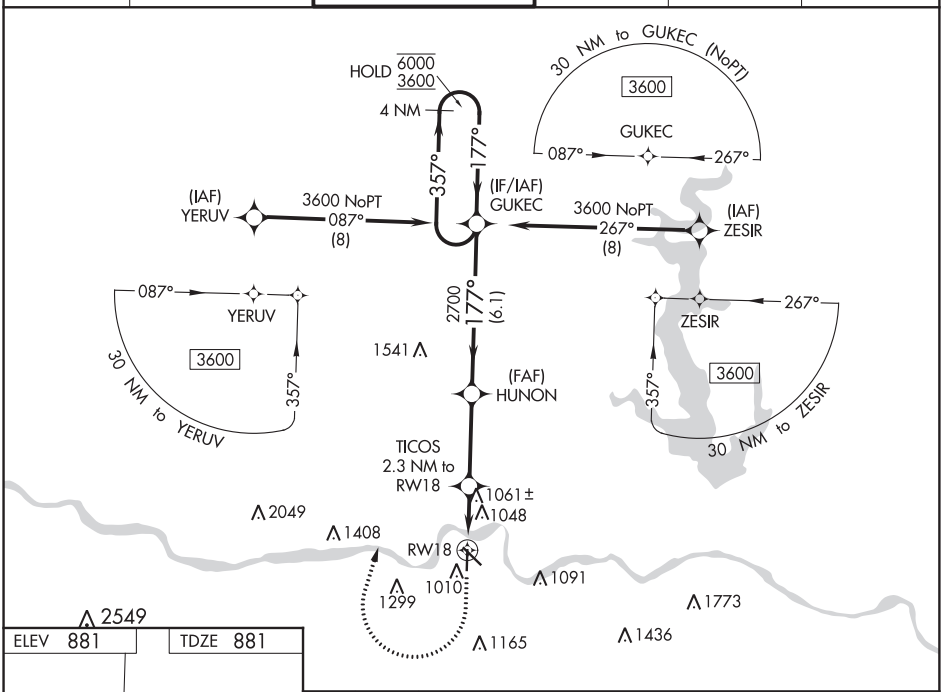
RNAV (GPS) RWY 18
PHILIP BILLARD MUNI (TOP)

RNP APCH.

Rwy 18 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C or above 54°C.

MISSED APPROACH: Climb to 1500 then climbing right turn to 3600 direct GUKEC and hold.

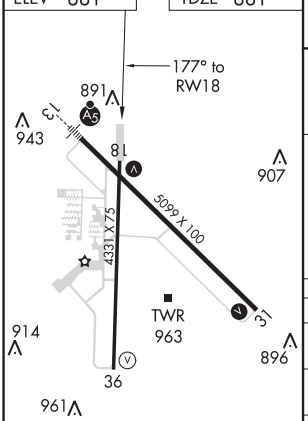
ASOS	KANSAS CITY CENTER	TOPEKA TOWER *	GND CON	CLNC DEL	UNICOM
121.275	123.8 343.7	118.7 (CTAF) L 257.8	121.9	121.9	122.95



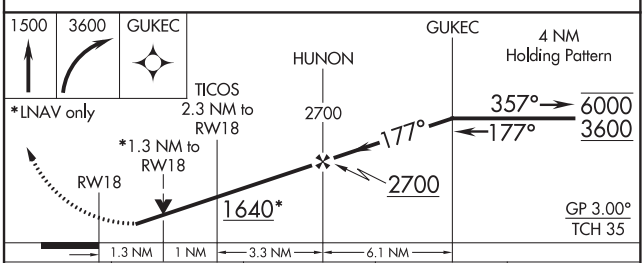
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 881 TDZE 881



HIRL Rwy 13-31 L
REIL Rwys 18 and 31 L
MIRL Rwys 18-36 L



CATEGORY	A	B	C	D
LPV DA	1174-1 293 (300-1)			NA
LNAV/VNAV DA	1340-1⅝ 459 (500-1⅝)			NA
LNAV MDA	1320-1 439 (500-1)		1320-1¼ 439 (500-1¼)	NA
C CIRCLING	1360-1 479 (500-1)	1440-1 559 (600-1)	1600-2 719 (800-2)	NA

TUCUMCARI, NEW MEXICO | AL-431 (FAA) | 20282

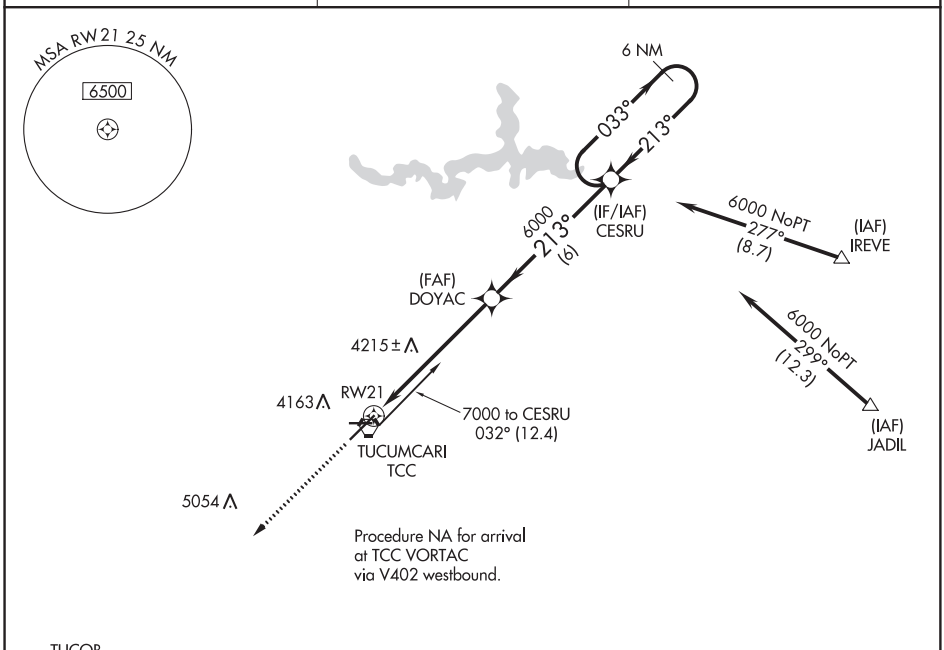
APP CRS	Rwy ldg	7104
213°	TDZE	4047
	Apt Elev	4065

RNAV (GPS) RWY 21
TUCUMCARI MUNI (TCC)

GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.
Circling NA for Cat D north of Rwy 8 and northwest of Rwy 21.
If local altimeter setting not received, procedure NA.

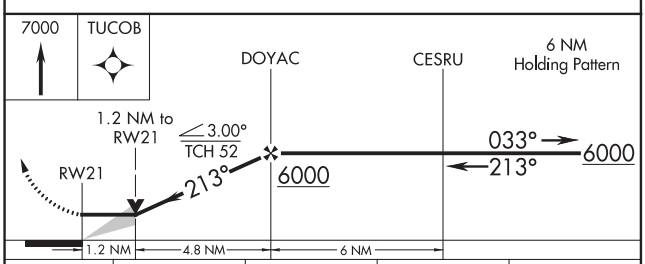
MISSED APPROACH: Climb to 7000 direct TUCOB and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
119.275	126.85 285.6	122.95 (CTAF) L



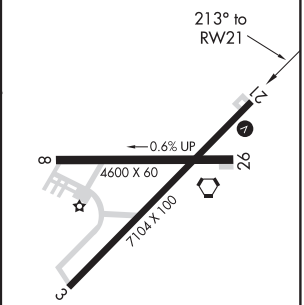
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D
LNAV MDA	4480-1 433 (500-1)		4480-1¼ 433 (500-1¼)	4480-1½ 433 (500-1½)
C CIRCLING	4580-1 515 (600-1)		4580-1½ 515 (600-1½)	4640-2 575 (600-2)

ELEV 4065 | TDZE 4047



MIRL Rwys 3-21 and 8-26 L

VORTAC TCC	APP CRS	Rwy ldg	7104
113.6	201°	TDZE	4047
Chan 83		Apt Elev	4065

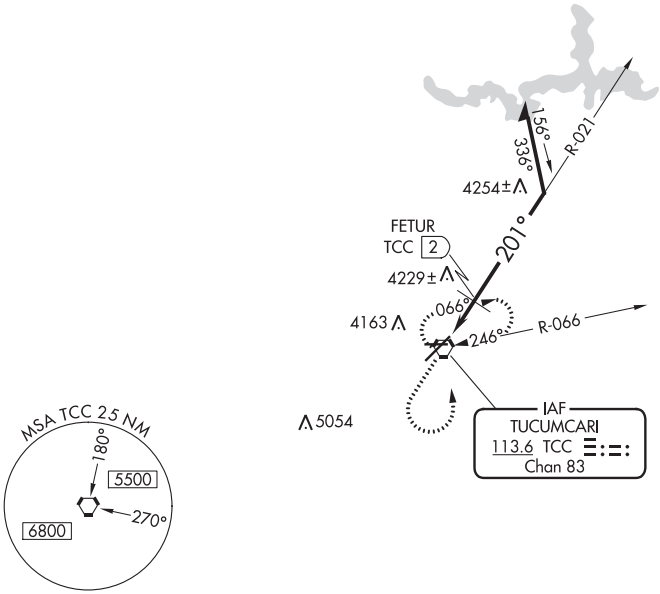
VOR RWY 21
TUCUMCARI MUNI (TCC)

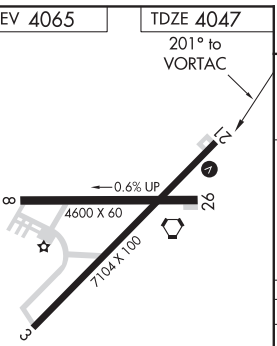
If local altimeter setting not received, procedure NA. Circling NA for Cat D north of Rwy 8 and northwest of Rwy 21.

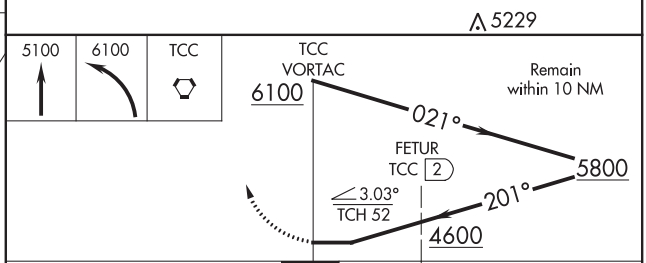
MISSED APPROACH: Climb to 5100 then climbing left turn to 6100 direct TCC VORTAC and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
119.275	126.85 285.6	122.95 (CTAF) L

08 OCT 2020 to 05 NOV 2020







CATEGORY	A	B	C	D
S-21	4600-1	553 (600-1)	4600-1½ 553 (600-1½)	4600-1¾ 553 (600-1¾)
C CIRCLING	4600-1	535 (600-1)	4600-1½ 535 (600-1½)	4640-2 575 (600-2)
FETUR FIX MINIMUMS				
S-21	4480-1	433 (500-1)	4480-1¼ 433 (500-1¼)	4480-1½ 433 (500-1½)
C CIRCLING	4580-1	515 (600-1)	4580-1½ 515 (600-1½)	4640-2 575 (600-2)

MIRL Rwys 3-21 and 8-26 L

TYLER, TEXAS

AL-622 (FAA)

20282

RNAV (GPS) RWY 4
TYLER POUNDS RGNL (TYR)

WAAS CH 40014 W04A	APP CRS 042°	Rwy ldg 7748 TDZE 543 Apt Elev 544

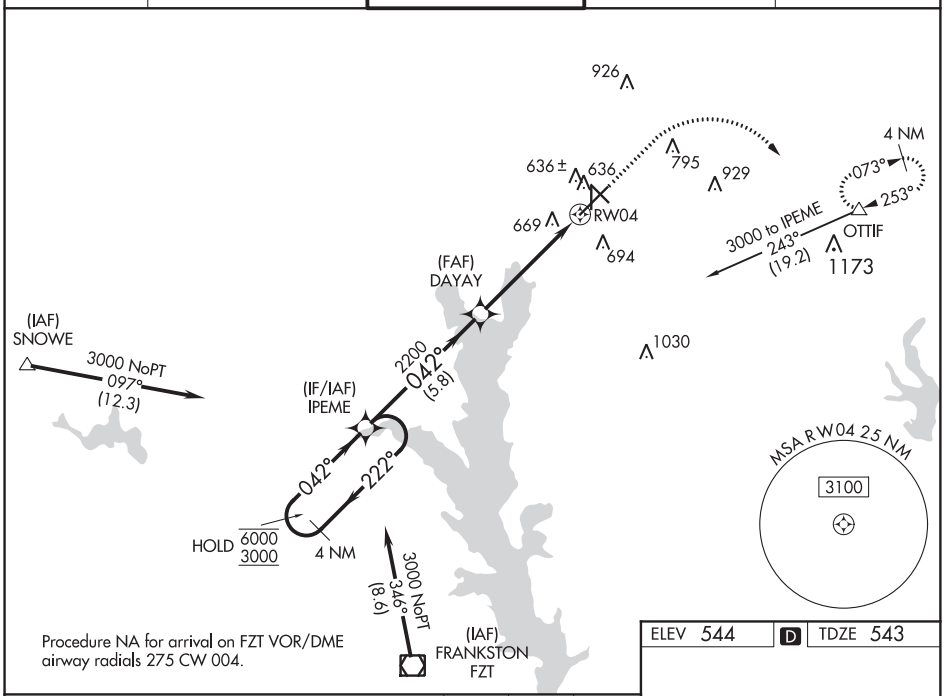
RNP APCH.

Inop table does not apply to LPV DA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -7°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to 1⅛ SM, LNAV all Cats visibility to 1 SM.

MALSR

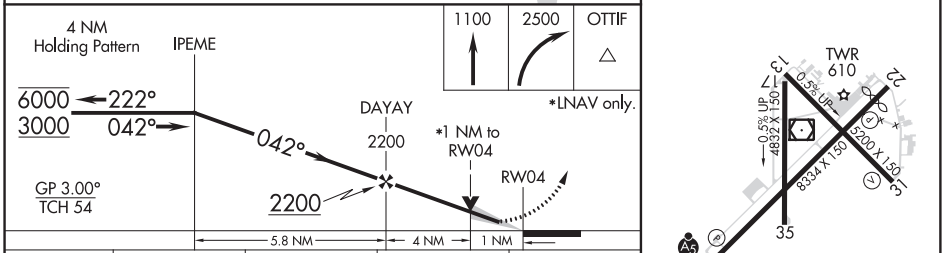
MISSED APPROACH: Climb to 1100 then climbing right turn to 2500 direct OTTIF and hold.

ATIS	LONGVIEW APP CON ★	POUNDS TOWER ★	GND CON	UNICOM
126.25	128.75 379.15	120.1 (CTAF) L 257.8	121.9	122.95



Procedure NA for arrival on FZT VOR/DME airway radials 275 CW 004.

ELEV 544	D	TDZE 543



CATEGORY	A	B	C	D
LPV DA	743-¾ 200 (200-¾)			
LNAV/VNAV DA	944-¾ 401 (400-¾)			
LNAV MDA	920-¾ 377 (400-¾)			
C CIRCLING	980-1 436 (500-1)	1020-1 476 (500-1)	1160-1¾ 616 (700-1¾)	1280-2¼ 736 (800-2¼)

REIL Rwy 22
HIRL Rwy 13-31 L
MIRL Rwys 4-22 and 17-35 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

RNAV (GPS) RWY 13

TYLER POUNDS RGNL (TYR)

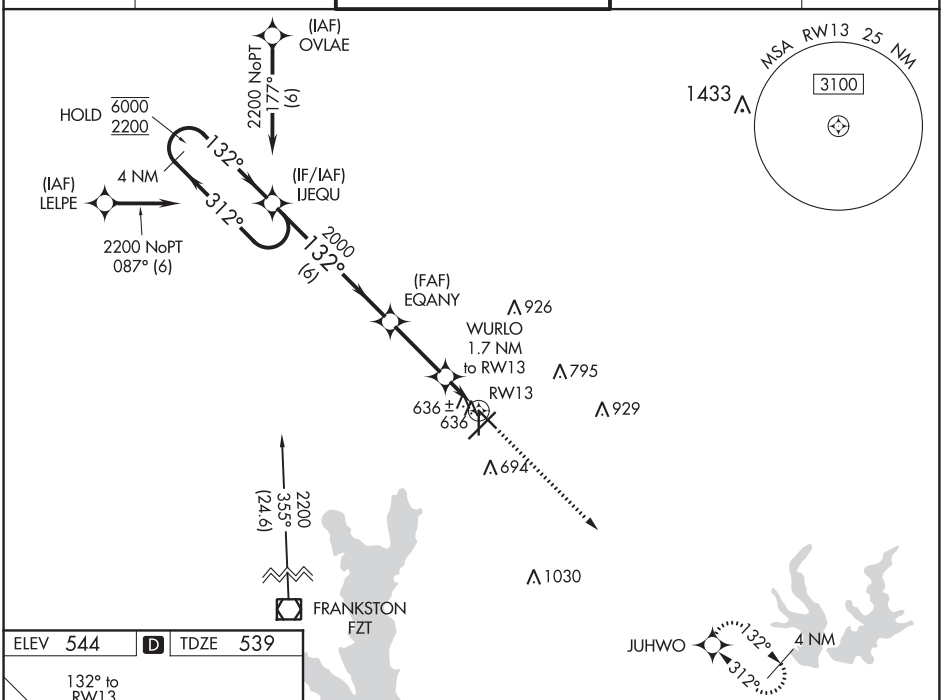
WAAS CH 45701 W13A	APP CRS 132°	Rwy ldg 5200 TDZE 539 Apt Elev 544

RNP APCH.

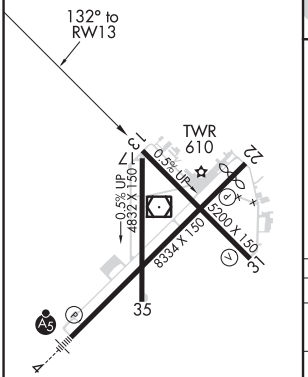
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C.

MISSED APPROACH: Climb to 3000 direct JUHWO and hold.

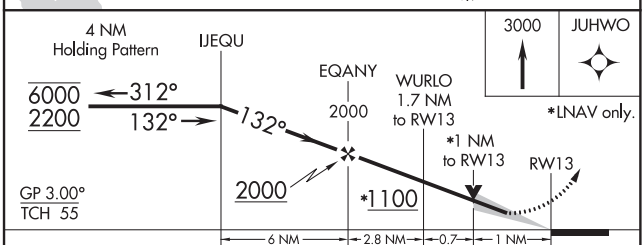
ATIS	LONGVIEW APP CON★	POUNDS TOWER★	GND CON	UNICOM
126.25	128.75 379.15	120.1(CTAF)(L) 257.8	121.9	122.95



ELEV 544 (D) TDZE 539



REIL Rwy 22
HIRL Rwy 13-31 (L)
MIRL Rwys 4-22 and 17-35 (L)



CATEGORY	A	B	C	D
LPV DA	739-¾ 200 (200-¾)			
LNAV/VNAV DA	820-⅞ 281 (300-⅞)			
LNAV MDA	900-1 361 (400-1)			
(C) CIRCLING	980-1 436 (500-1)	1020-1 476 (500-1)	1160-1¾ 616 (700-1¾)	1280-2¼ 736 (800-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PANAMA CITY, FLORIDA

ILS or LOC Z RWY 14L

LOC I-TYF	APCH CRS	Rwy ldg 10,008 TDZE 14 Arpt Elev 17
111.5	138°	

AL-312 [USAF]

TYNDALL AFB (KPAM)

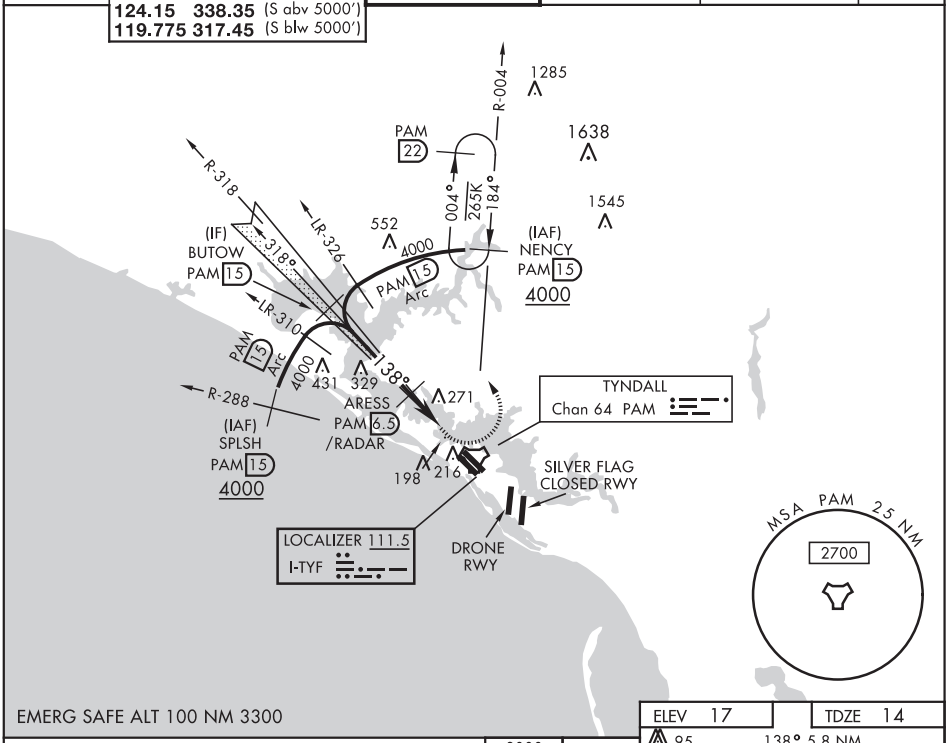
DME or RADAR required.

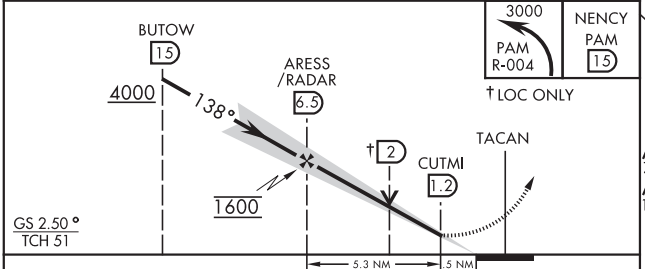
T * When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 1⅛ miles.

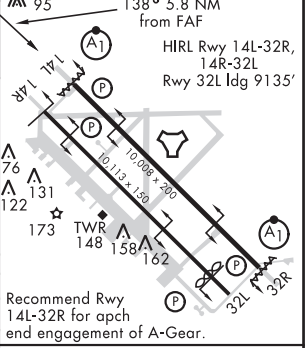
ALSF-1

MISSED APPROACH: Climbing left turn to 3000, intercept PAM TACAN R-004 to 15 DME (NENCY) and hold.

ATIS ★	TYNDALL APP CON	TYNDALL TOWER ★	GND CON	CLNC DEL	ASR/PAR
254.4	125.2 392.1 (N abv 5000′) 120.825 379.3 (N blw 5000′) 124.15 338.35 (S abv 5000′) 119.775 317.45 (S blw 5000′)	133.95 263.15	121.9 259.3	118.05 348.7	







CATEGORY	A	B	C	D	E
S-ILS 14L *	214/24		200	(200-½)	
S-LOC 14L**	420/40		406	(500-¾)	
C CIRCLING	540-1	523 (600-1)	560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PANAMA CITY, FLORIDA

ILS or LOC Z RWY 32R

LOC I-PAM	APCH CRS	Rwy ldg 10,008 TDZE 14 Arpt Elev 17
110.1	319°	

AL-312 [USAF]

TYNDALL AFB (KPAM)

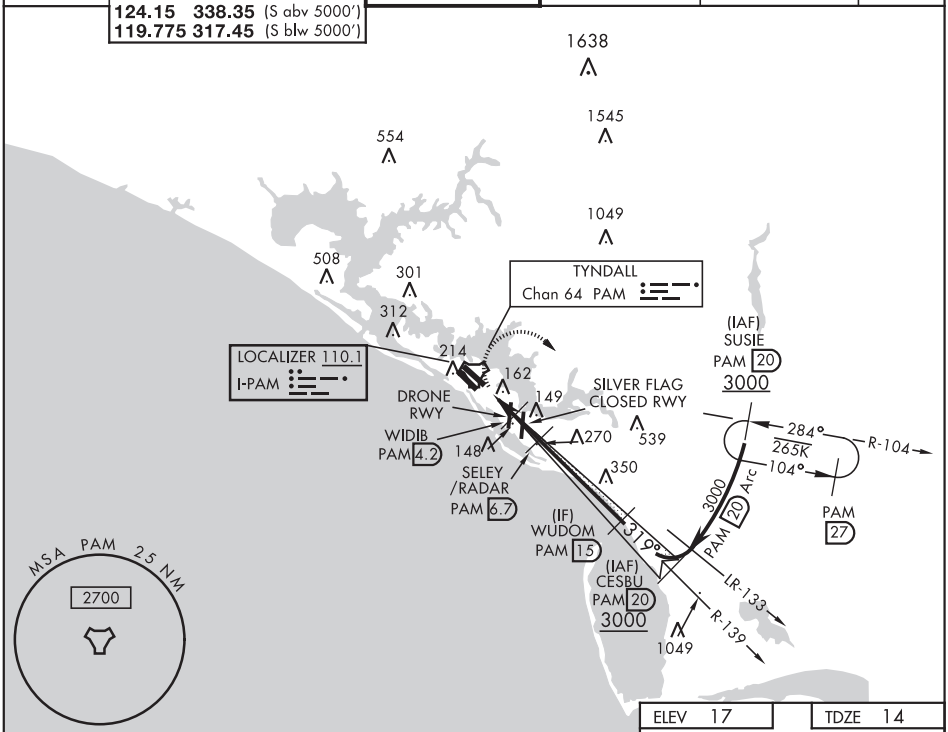
DME or RADAR required

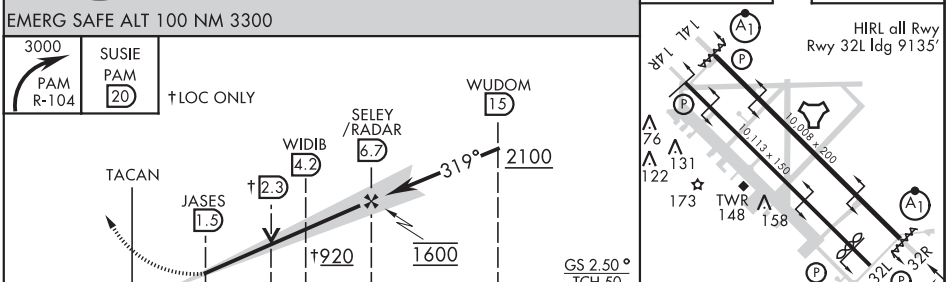
T * When ALS inop, increase RVR to 40, vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE RVR to 60, vis to 1⅛ miles.

ALSF-1

MISSED APPROACH: Climbing right turn to 3000, intercept PAM TACAN R-104 to 20 DME (SUSIE) and hold.

ATIS ★	TYNDALL APP CON	TYNDALL TOWER ★	GND CON	CLNC DEL	ASR/PAR
254.4	125.2 392.1 (N abv 5000′) 120.825 379.3 (N blw 5000′) 124.15 338.35 (S abv 5000′) 119.775 317.45 (S blw 5000′)	133.95 263.15	121.9 259.3	118.05 348.7	





CATEGORY	A	B	C	D	E
S-ILS 32R *	214/24 200 (200-½)				
S-LOC 32R**	420/24 406 (500-½)		420/40 406 (500-¾)		
C CIRCLING	540-1 523 (600-1)		560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

20282

PANAMA CITY, FLORIDA

RNAV (GPS) RWY 14L

WAAS CH 71271 W14A	APCH CRS 138°	Rwy ldg 10,008 TDZE 14 Arpt Elev 17

AL-312 (USAF)

TYNDALL AFB (KPAM)

* When ALS inop increase RVR to 40, vis to 3/4 mile.
** When ALS inop increase RVR to 60, vis to 1 1/8 miles.
*** When ALS inop increase CAT AB RVR to 55, vis to 1 mile, CAT CDE RVR to 60, vis to 1 1/8 miles.

ALSF-1

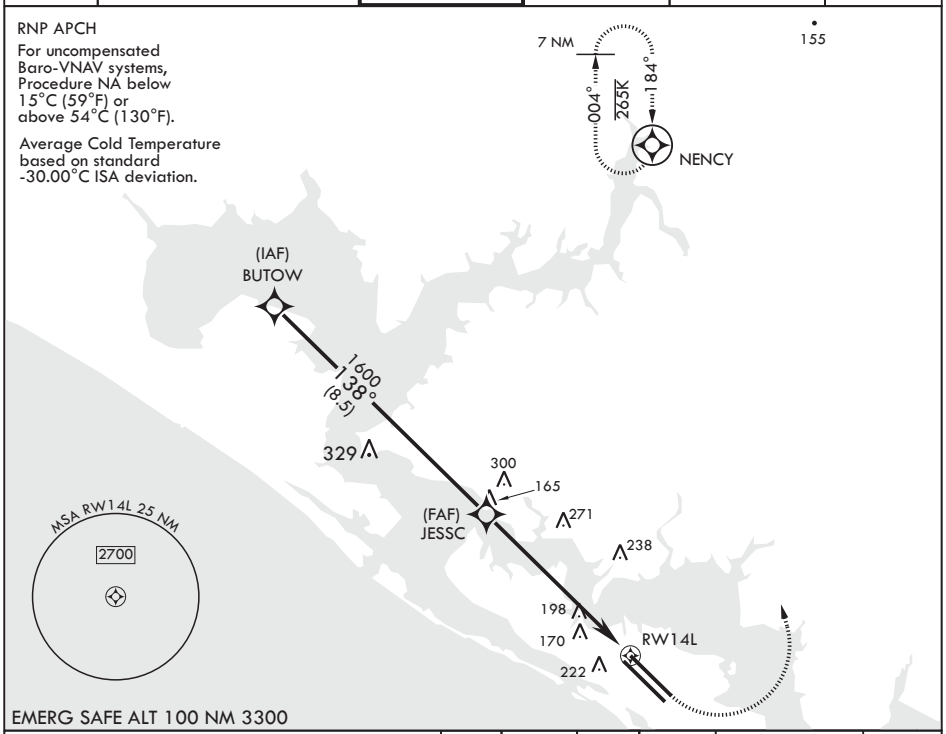
MISSED APPROACH: Climb to 600 then climbing left turn to 3000 direct NENCY and hold.

ATIS★	APP CON/DEP CON	TOWER★	GND CON	CLNC DEL	ASR/PAR
254.4	119.775 317.45 BLW 5000' 124.15 338.35 ABV 5000'	133.95 263.15	121.9 259.3	118.05 348.7	

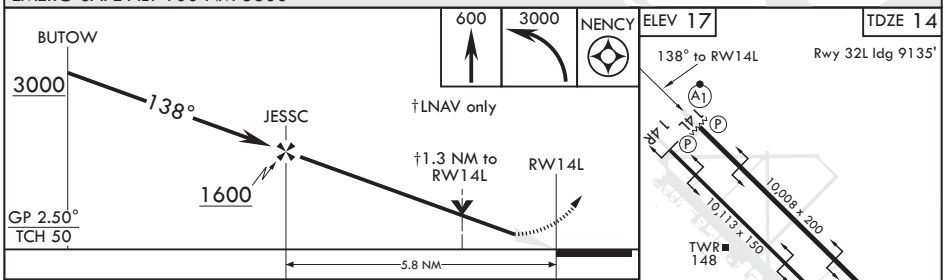
RNP APCH

For uncompensated Baro-VNAV systems, Procedure NA below 15°C (59°F) or above 54°C (130°F).

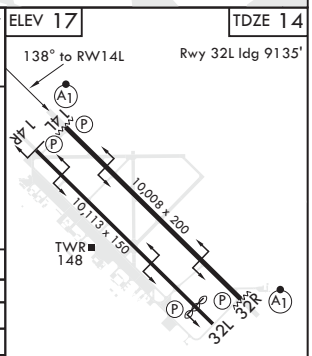
Average Cold Temperature based on standard -30.00°C ISA deviation.



EMERG SAFE ALT 100 NM 3300



ELEV 17 TDZE 14



CATEGORY	A	B	C	D	E
LPV DA*	214/24		200	(200-½)	
LNAV/VNAV DA**	420/40		406	(500-¾)	
LNAV MDA***	420/24 406 (500-½)		420/40 406 (500-¾)		
C CIRCLING	540-1 523 (600-1)		560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

HIRL all Rwys
Recommend Rwy 14L-32R for apch end engagement of A-Gear.

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PANAMA CITY, FLORIDA

RNAV (GPS) RWY 14R

AL-312 (USAF)

TYNDALL AFB (KPAM)

WAAS CH 71278 W14B	APCH CRS 138°	Rwy ldg 10,113 TDZE 15 Arpt Elev 17

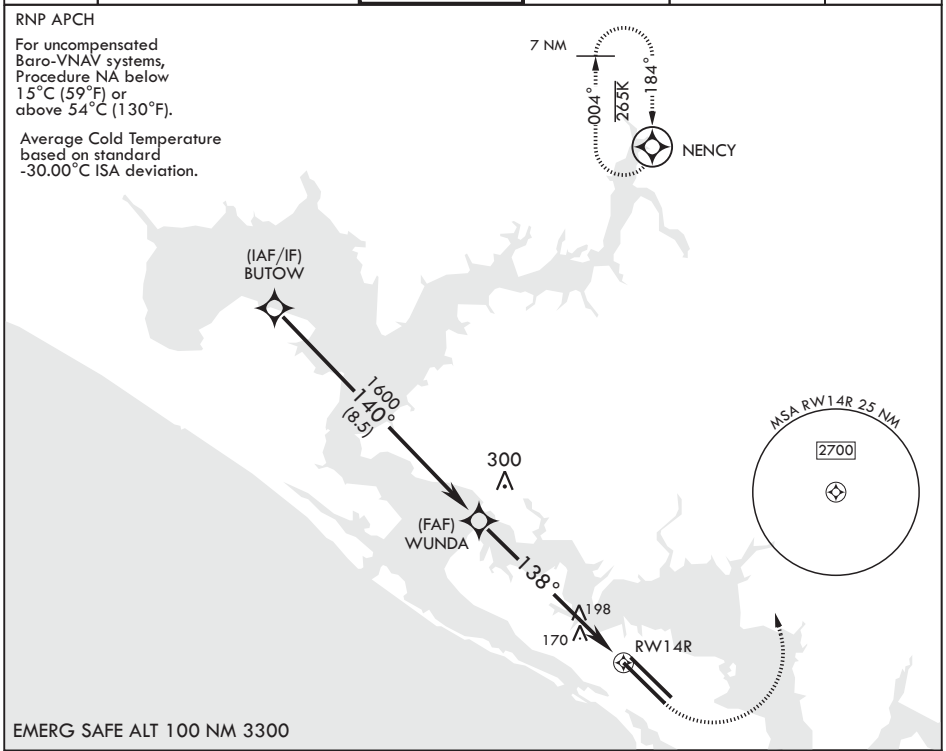
MISSED APPROACH: Climb to 600 then climbing left turn to 3000 direct NENCY and hold.

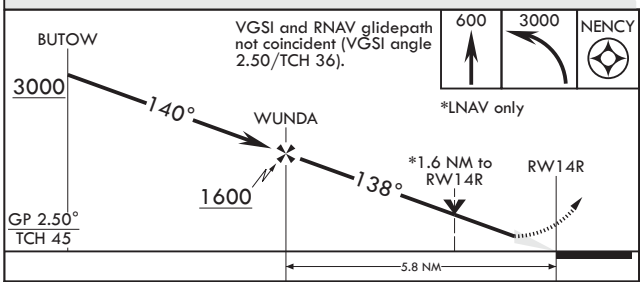
ATIS★	APP CON/DEP CON	TOWER★	GND CON	CLNC DEL	ASR/PAR
254.4	119.775 317.45 BLW 5000' 124.15 338.35 ABV 5000'	133.95 263.15	121.9 259.3	118.05 348.7	

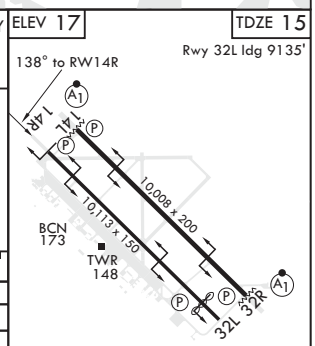
RNP APCH

For uncompensated Baro-VNAV systems, Procedure NA below 15°C (59°F) or above 54°C (130°F).

Average Cold Temperature based on standard -30.00°C ISA deviation.







CATEGORY	A	B	C	D	E
LPV DA	215-¾		200	(200-¾)	
LNAV/VNAV DA	455-1¼		440	(500-1¼)	
LNAV MDA	480-1 465 (500-1)		480-1⅜ 465 (500-1⅜)		
C CIRCLING	540-1 523 (600-1)		560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

HIRL all Rwys
Recommend Rwy 14L-32R for apch end engagement of A-Gear.

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

20282

PANAMA CITY, FLORIDA

RNAV (GPS) RWY 32L

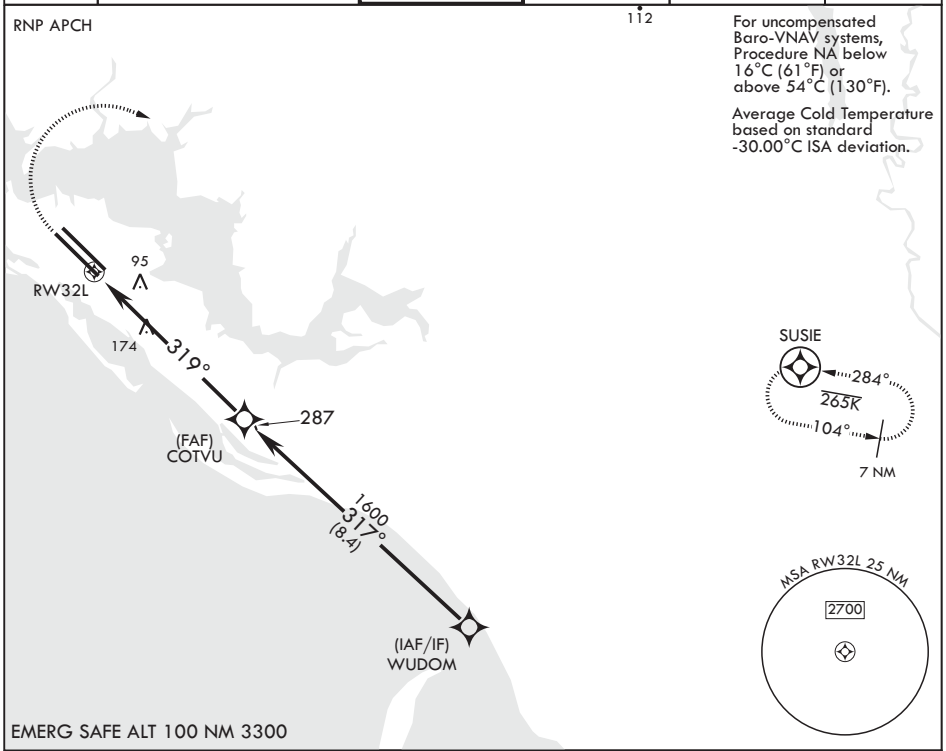
AL-312 (USAF)

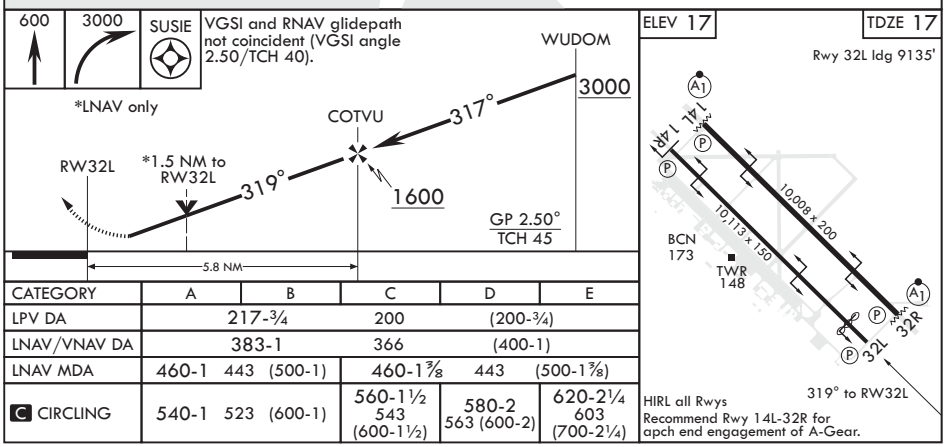
TYNDALL AFB (KPAM)

WAAS CH 71279 W32B	APCH CRS 319°	Rwy ldg 9135 TDZE 17 Arpt Elev 17

MISSED APPROACH: Climb to 600 then climbing right turn to 3000 direct SUSIE and hold.

ATIS★	APP CON/DEP CON	TOWER★	GND CON	CLNC DEL	ASR/PAR
254.4	119.775 317.45 BLW 5000' 124.15 338.35 ABV 5000'	133.95 263.15	121.9 259.3	118.05 348.7	





CATEGORY	A	B	C	D	E
LPV DA	217-¾		200	(200-¾)	
LNAV/VNAV DA	383-1		366	(400-1)	
LNAV MDA	460-1 443 (500-1)		460-1⅞ 443 (500-1⅞)		
C CIRCLING	540-1 523 (600-1)		560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

PANAMA CITY, FLORIDA

TACAN Z RWY 14L

TACAN PAM Chan 64	APCH CRS 130°	Rwy ldg 10,008 TDZE 14 Arpt Elev 17

AL-312 [USAF]

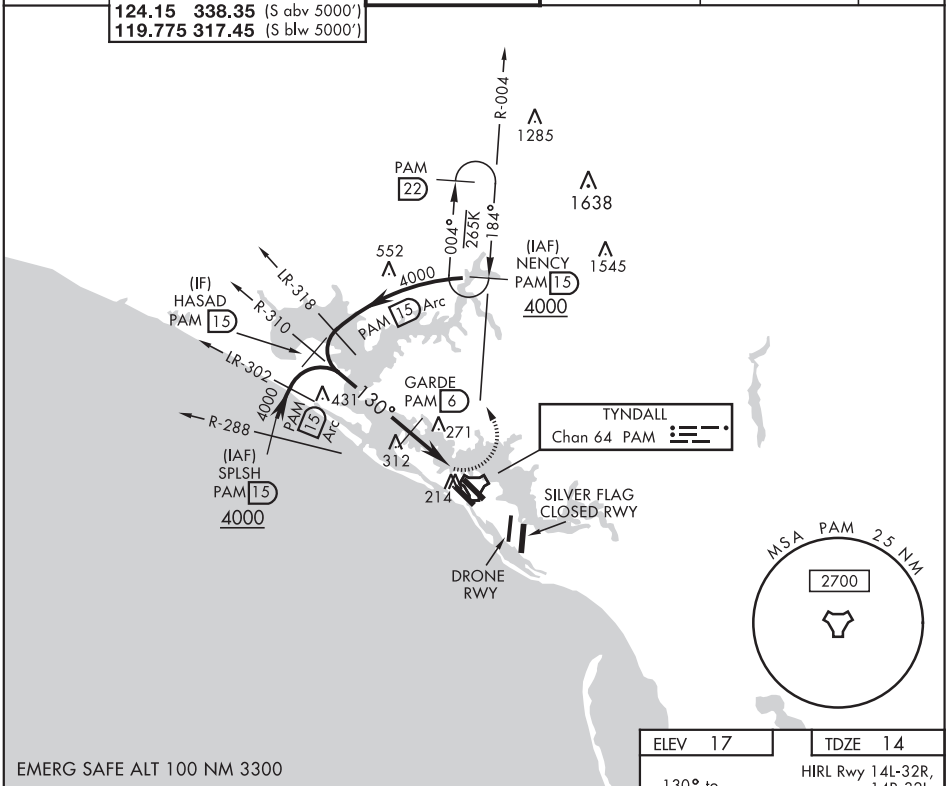
TYNDALL AFB (KPAM)

T * When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1⅜ miles.

ALSF-1

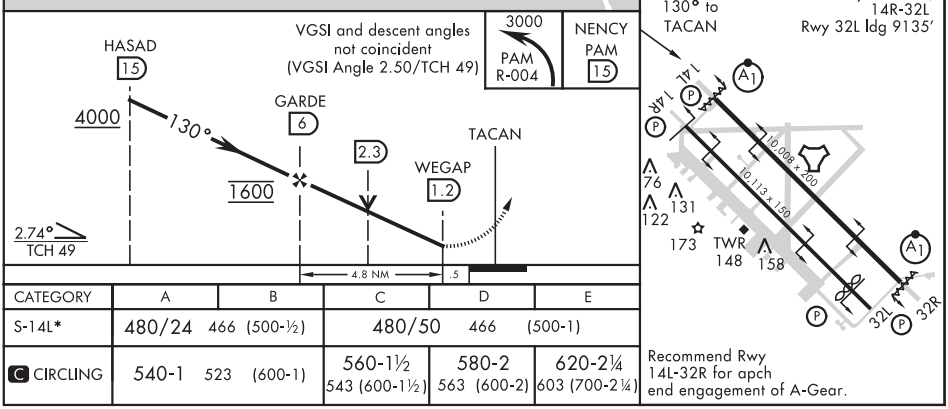
MISSED APPROACH: Climbing left turn to 3000, intercept PAM TACAN R-004 to 15 DME (NENCY) and hold.

ATIS ★	TYNDALL APP CON	TYNDALL TOWER ★	GND CON	CLNC DEL	ASR/PAR
254.4	125.2 392.1 (N abv 5000′) 120.825 379.3 (N blw 5000′) 124.15 338.35 (S abv 5000′) 119.775 317.45 (S blw 5000′)	133.95 263.15	121.9 259.3	118.05 348.7	



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020



CATEGORY	A	B	C	D	E
S-14L*	480/24 466 (500-½)		480/50 466 (500-1)		
C CIRCLING	540-1 523 (600-1)		560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

PANAMA CITY, FLORIDA

30°04′N-85°35′W

TYNDALL AFB (KPAM)

Amdt 2 08OCT20

TACAN Z RWY 14L

20282

PANAMA CITY, FLORIDA

TACAN Z RWY 32R

TACAN PAM Chan 64	APCH CRS 326°	Rwy ldg 10,008 TDZE 14 Arpt Elev 17

AL-312 [USAF]

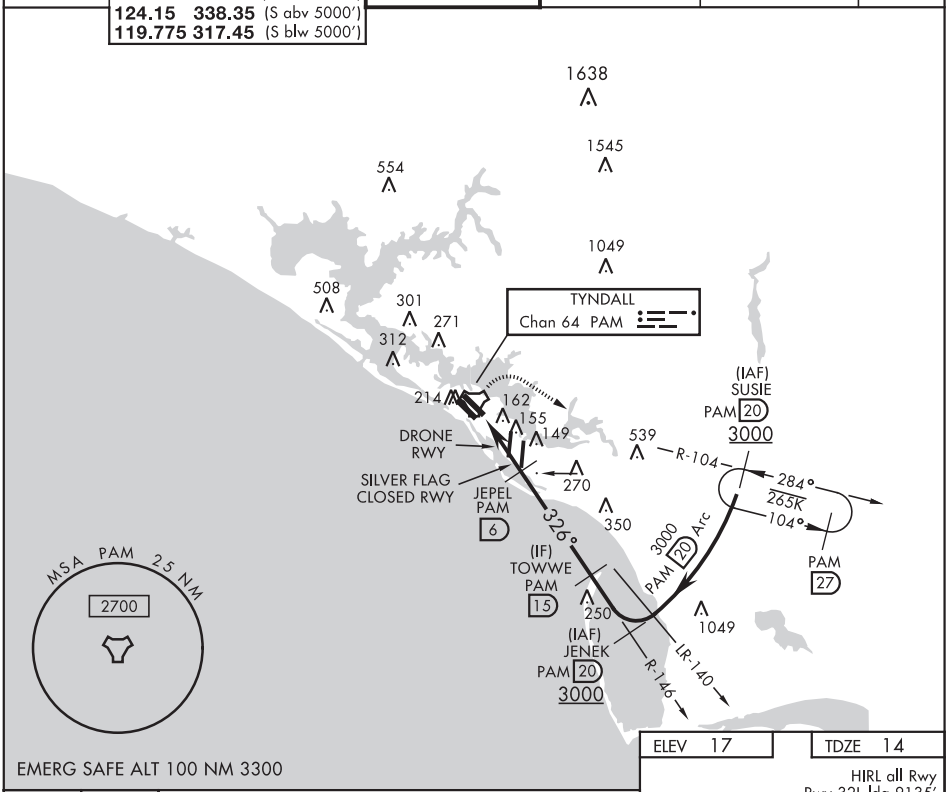
TYNDALL AFB (KPAM)

T * When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 1 3/8 miles.

ALSF-1

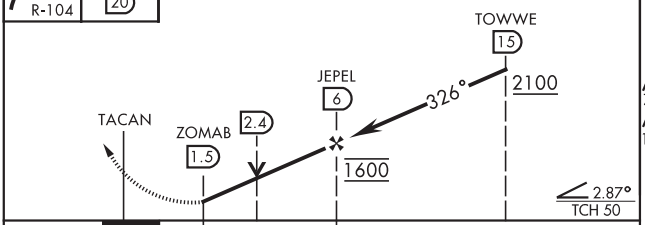
MISSED APPROACH: Climbing right turn to 3000, intercept PAM TACAN R-104 to 20 DME (SUSIE) and hold.

ATIS ★	TYNDALL APP CON	TYNDALL TOWER ★	GND CON	CLNC DEL	ASR/PAR
254.4	125.2 392.1 (N abv 5000') 120.825 379.3 (N blw 5000') 124.15 338.35 (S abv 5000') 119.775 317.45 (S blw 5000')	133.95 263.15	121.9 259.3	118.05 348.7	



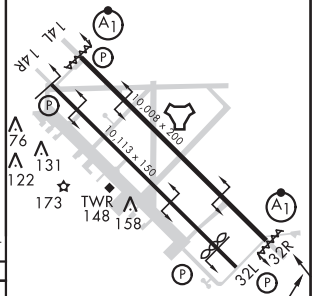
3000 PAM R-104	SUSIE PAM 20

VGSI and descent angles not coincident (VGSI angle 2.50/TCH 50).



ELEV 17 | TDZE 14

HIRL all Rwy
Rwy 32L ldg 9135'



Recommend Rwy 14L-32R for apch end engagement of A-Gear.

326° 5 NM from FAF

CATEGORY	A	B	C	D	E
S-32R*	460/24 446 (500-½)		460/45 446 (500-⅞)		
C CIRCLING	540-1 523 (600-1)		560-1½ 543 (600-1½)	580-2 563 (600-2)	620-2¼ 603 (700-2¼)

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

NDB CSS	APP CRS	Rwy ldg	5097
414	223°	TDZE	979
		Apt Elev	980

NDB RWY 23

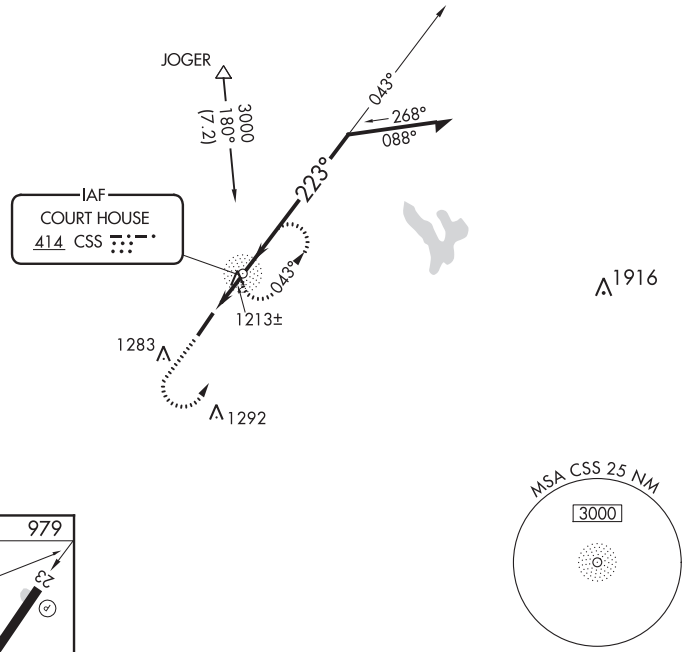
FAYETTE COUNTY (I23)

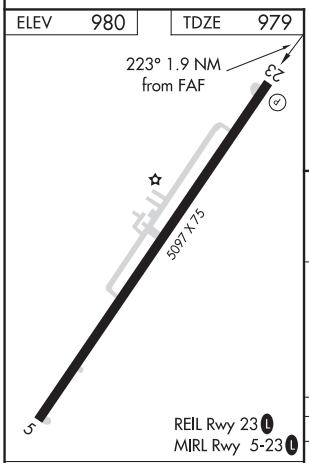
T A NA When local altimeter setting not received, use Wilmington Air Park altimeter setting and increase all MDAs 60 feet, and Circling visibility Cat C ¼ SM. Procedure NA at night. Rwy 23 helicopter visibility reduction below 1 SM NA.

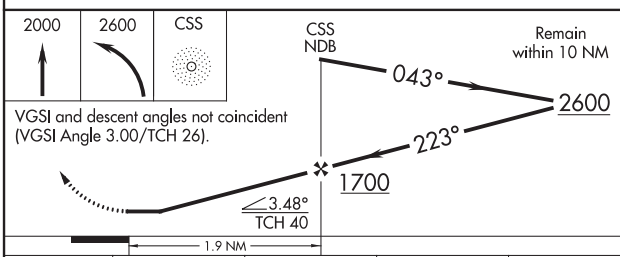
MISSED APPROACH: Climb to 2000, then climbing left turn to 2600 direct CSS NDB and hold.

AWOS-3PT	COLUMBUS APP CON	UNICOM
118.775	134.0 279.6	122.8 (CTAF) L

08 OCT 2020 to 05 NOV 2020







VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 26).

FAF to MAP 1.9 NM					
Knots	60	90	120	150	180
Min:Sec	1:54	1:16	0:57	0:46	0:38

CATEGORY	A	B	C	D
S-23	1580-1 601 (600-1)		1580-1¾ 601 (600-1¾)	1580-2 601 (600-2)
C CIRCLING	1580-1 600 (600-1)	1640-1 660 (700-1)	1640-1¾ 660 (700-1¾)	1660-2¼ 680 (700-2¼)

WEST PALM BEACH, FLORIDA | AL-9151 (FAA) | 20282

WAAS CH 40310 W14A	APP CRS 142°	Rwy ldg 4300 TDZE 21 Apt Elev 22

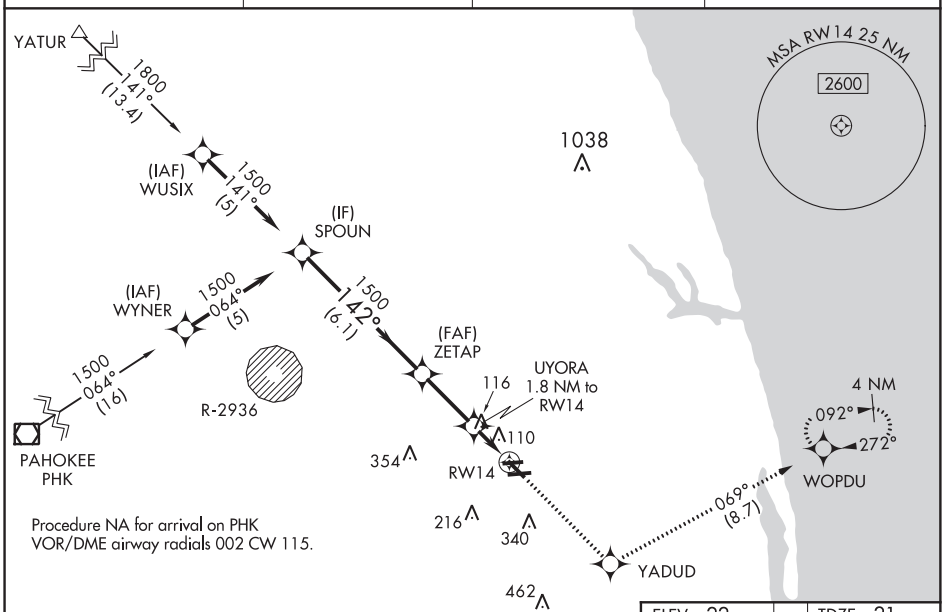
RNAV (GPS) RWY 14

NORTH PALM BEACH COUNTY GENERAL AVIATION (F45)

T NA — Circling NA to Rwys 9L and 27R. 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 not received, use Palm Beach Intl altimeter setting and increase LPV DA to 352 feet; increase LNAV/VNAV DA to 412 feet and all visibilities ⅛ SM; increase all MDA 40 feet and LNAV Cats C/D visibility ⅛ SM. Rwy 14 helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Palm Beach Intl altimeter setting.

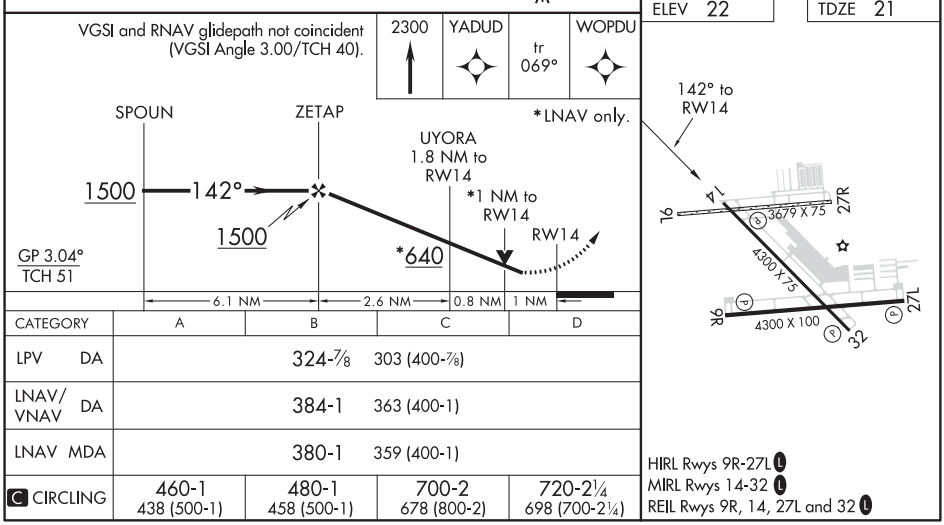
MISSED APPROACH: Climb to 2300 direct YADUD and on track 069° to WOPDU and hold.

AWOS-3	PALM BEACH APP CON	CLNC DEL	UNICOM
119.975	128.3 317.4	120.825	123.075 (CTAF) L



Procedure NA for arrival on PHK
VOR/DME airway radials 002 CW 115.

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 40).



CATEGORY	A	B	C	D
LPV DA	324-⅞ 303 (400-⅞)			
LNAV/VNAV DA	384-1 363 (400-1)			
LNAV MDA	380-1 359 (400-1)			
C CIRCLING	460-1 438 (500-1)	480-1 458 (500-1)	700-2 678 (800-2)	720-2¼ 698 (700-2¼)

HIRL Rwys 9R-27L L
MIRL Rwys 14-32 L
REIL Rwys 9R, 14, 27L and 32 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

APP CRS	Rwy ldg	3460
180°	TDZE	205
	Apt Elev	205

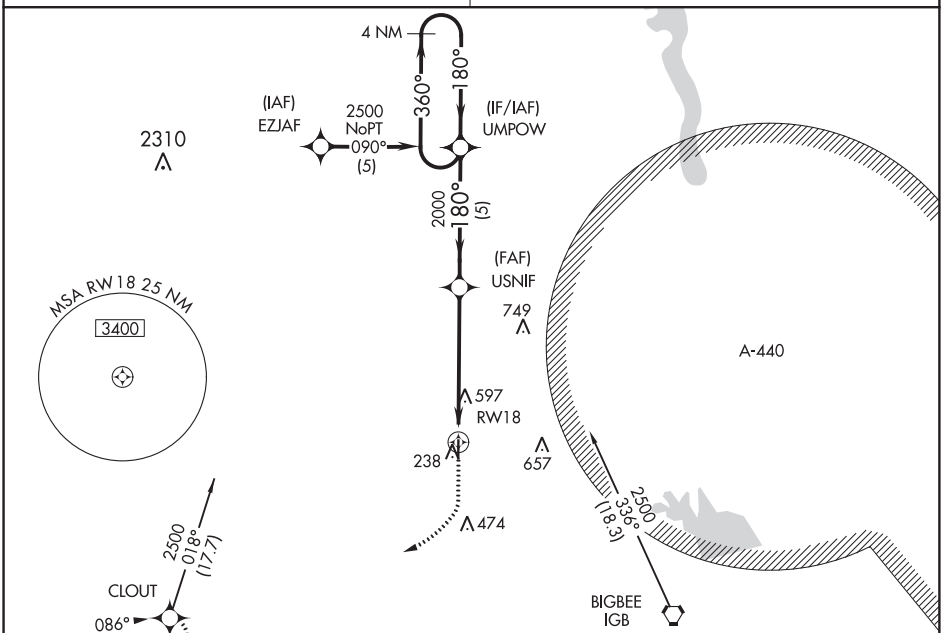
RNAV (GPS) RWY 18
MCCHAREN FIELD (M83)

Use Golden Triangle Rgnl altimeter setting, when not received, use Columbus AFB altimeter setting. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night.

NA

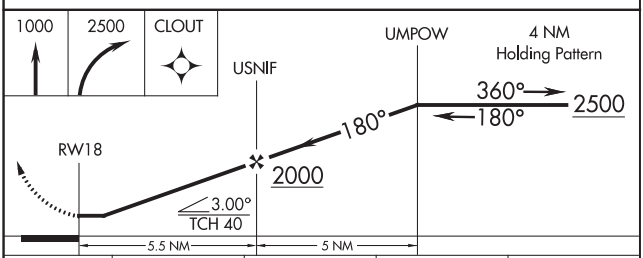
MISSED APPROACH: Climb to 1000 then climbing right turn to 2500 direct CLOUT and hold.

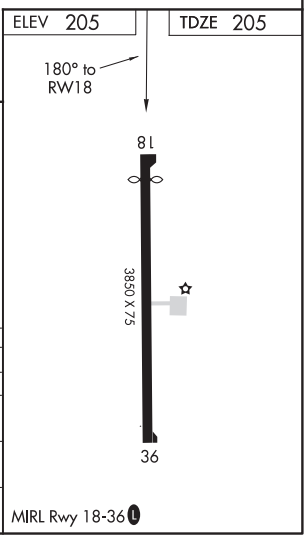
COLUMBUS APP CON★	CTAF
135.6 323.275	122.9 L



08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020





CATEGORY	A	B	C	D
GLS DA	NA			
LNAV/VNAV DA	NA			
LNAV MDA	980-1 775 (800-1)	980-1¼ 775 (800-1¼)	980-2½ 775 (800-2½)	NA
C CIRCLING	980-1 775 (800-1)	1020-1¼ 815 (900-1¼)	1020-2½ 815 (900-2½)	NA

WEST POINT, MISSISSIPPI

AL-5878 (FAA)

20282

RNAV (GPS) RWY 36
MCCHAREN FIELD (M83)

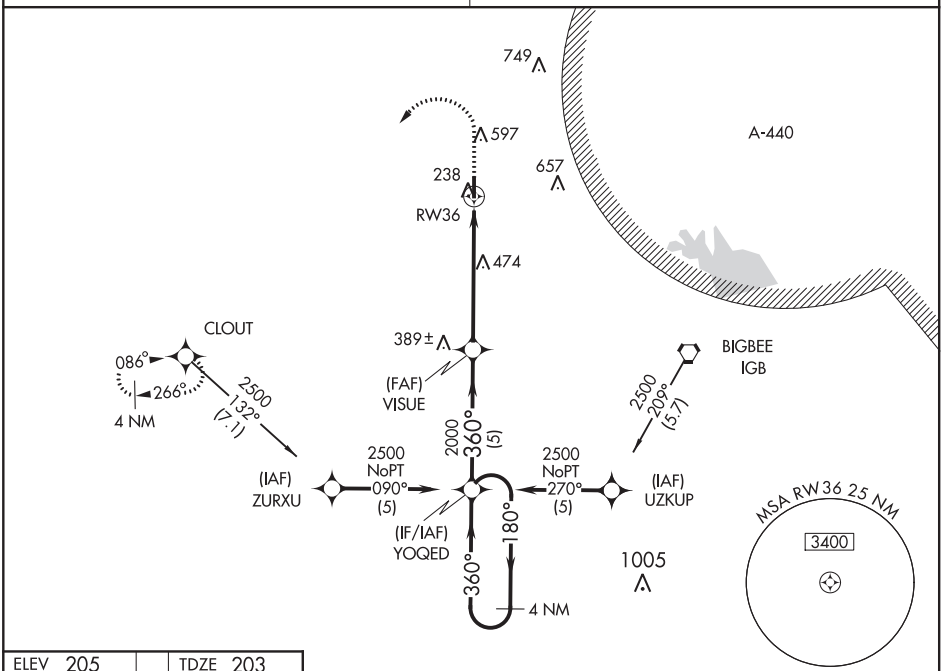
APP CRS	Rwy ldg	3850
360°	TDZE	203
	Apt Elev	205

Use Golden Triangle Rgnl altimeter setting, when not received, use Columbus AFB altimeter setting. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night.

NA

MISSED APPROACH: Climb to 1000 then climbing left turn to 2500 direct CLOUT and hold.

COLUMBUS APP CON ★	CTAF
135.6 323.275	122.9 L



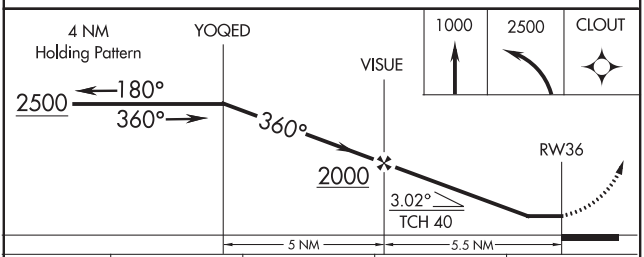
08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

ELEV 205 | TDZE 203

360° to RW36

MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
GLS DA	NA			
LNAV/VNAV DA	NA			
LNAV MDA	760-1 557 (600-1)		760-1½ 557 (600-1½)	NA
C CIRCLING	920-1 715 (800-1)	1020-1¼ 815 (900-1¼)	1020-2½ 815 (900-2½)	NA

VOR/DME-B
MCCHAREN FIELD (M83)

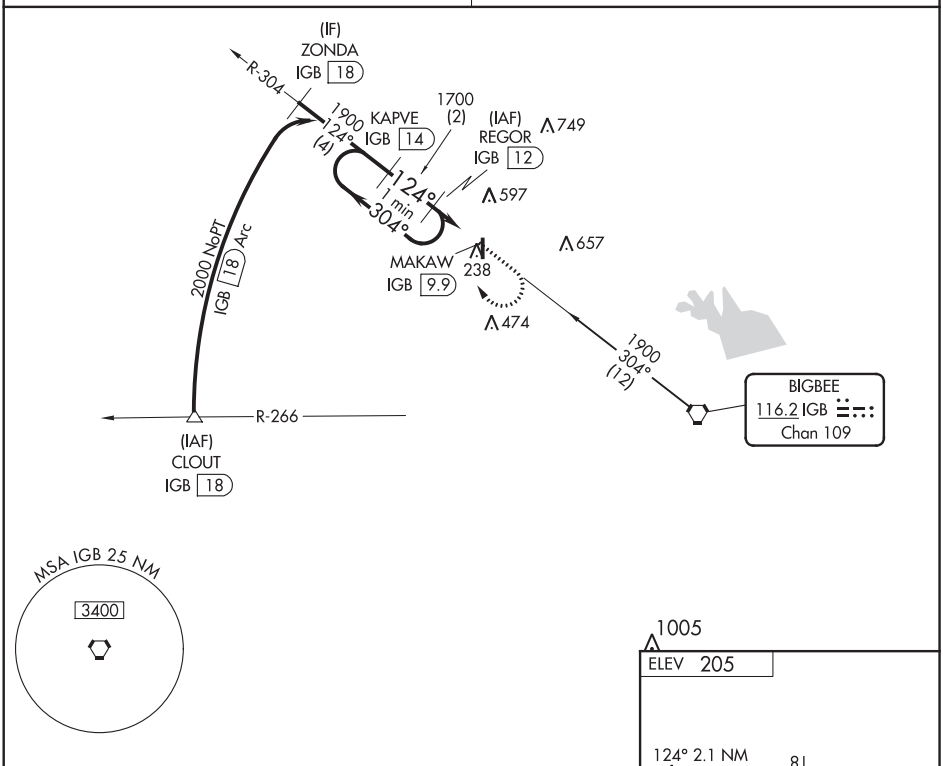
VORTAC IGB 116.2 Chan 109	APP CRS 124°	Rwy ldg N/A TDZE N/A Apt Elev 205

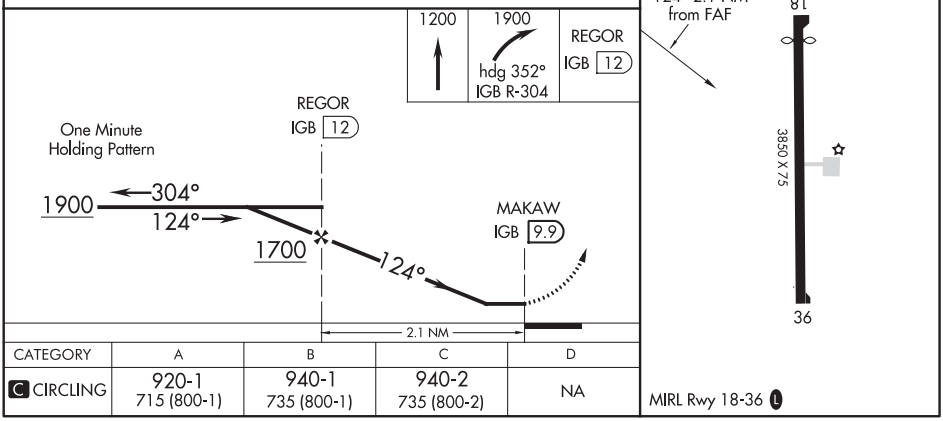
Use Golden Triangle RgnI altimeter setting, when not received, use Columbus AFB altimeter setting. Helicopter visibility reduction below 1 SM NA. Procedure NA at night.

NA

MISSED APPROACH: Climb to 1200 then climbing right turn to 1900 heading 352° and via IGB R-304 to REGOR/IGB 12 DME and hold.

COLUMBUS APP CON ★	CTAF
135.6 323.275	122.9 L





CATEGORY	A	B	C	D
C CIRCLING	920-1 715 (800-1)	940-1 735 (800-1)	940-2 735 (800-2)	NA

MIRL Rwy 18-36 L

08 OCT 2020 to 05 NOV 2020

08 OCT 2020 to 05 NOV 2020

WEST YELLOWSTONE, MONTANA | AL-632 (FAA) | 20282

WAAS CH 82016 W19A	APP CRS 192°	Rwy ldg 8399 TDZE 6638 Apt Elev 6649

RNAV (GPS) RWY 19
YELLOWSTONE (WYS)

NA
-19°C

DME/DME RNP- 0.3 NA. Visibility reduction by helicopters NA. Obtain local altimeter setting on CTAF, when not received, procedure NA.

MISSED APPROACH: Climb to 15000 direct HIPEV and right turn on track 298° to WAIDE and hold, continue climb-in-hold to 15000.

AWOS-3P	SALT LAKE CENTER	UNICOM
118.1	132.4 338.3	123.0 (CTAF) L

08 OCT 2020 to 05 NOV 2020

(IAF) QUERY
12800 NoPT 099° (29.2)
(IAF) RANEY
8 NM
012°
192°
(IAF) SUBKY
12800 NoPT 209° (59)
12800 NoPT 135° (35.7)
10969
12000 (3.5)
(IF/IAF) JIGVY
Procedure NA for arrivals at SUBKY on V2-86 eastbound.
10480
11500 (2.5)
ZEXUP
NASVE
10653
7000
8000
9000
192°
10336
MSA RW19 25 NM
12600
RW19
6916
8506
8710

MISSED APCH FIX
WAIDE
600°
189°
10 NM
298°
HIPEV

ELEV 6649 D TDZE 6638
192° to RW19
8400 X 150
6705
A5

15000 | HIPEV | tr 298° | WAIDE

8 NM Holding Pattern
JIGVY
ZEXUP
NASVE
RW19
012°
192°
12800
12000
192°
11500
GP 3.00°
TCH 53
14.5 NM | 2.5 NM | 3.5 NM

CATEGORY	A	B	C	D
LPV DA	7184-2 546 (600-2)			

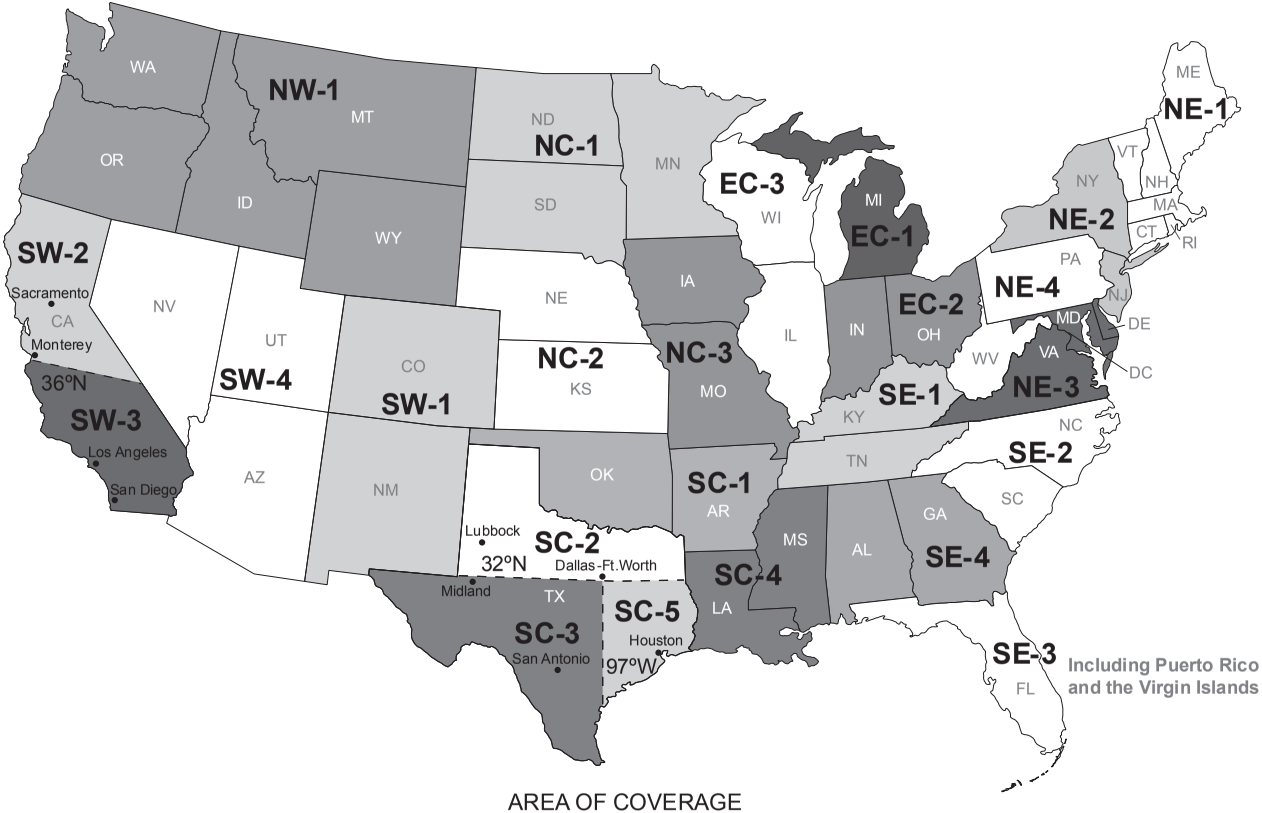
HIRL Rwy 1-19 L
REIL Rwy 19 L

WEST YELLOWSTONE, MONTANA
Orig 23SEP10

44°41′N-111°07′W

YELLOWSTONE (WYS)
RNAV (GPS) RWY 19

U.S. TERMINAL PUBLICATION VOLUMES



AREA OF COVERAGE

FAA Product ID: TPPCN

NSN 7641015059602

NGA REF. NO. TERMXFAABTPPT01

OK-10-2859

EFF. DATE 20282