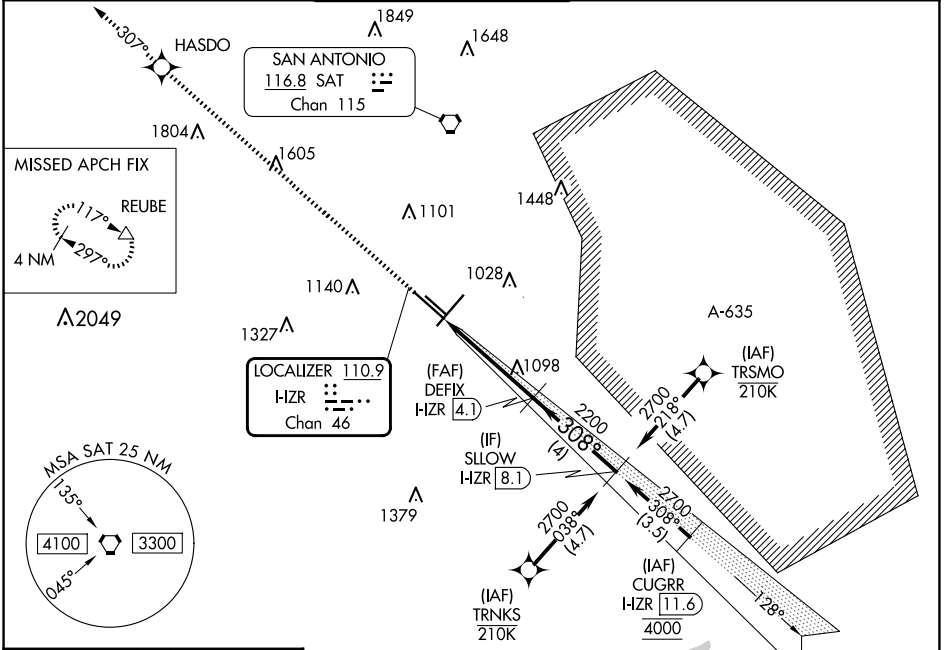


LOC/DME I-ZR 110.9 Chan 46	APP CRS 308°	Rwy 31L Idg 8502 TDZE 790 Apt Elev 809	Rwy 31R Idg 5519 TDZE 788 Apt Elev 809
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ILS or LOC RWY 31L

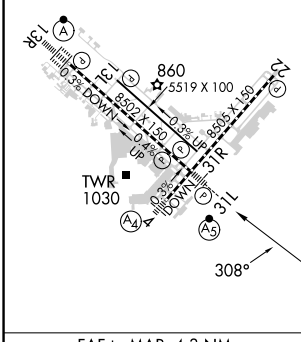
SAN ANTONIO INTL (SAT)

RNP APCH - GPS		SAN ANTONIO APP CON 125.1 307.0		SAN ANTONIO TOWER 119.8 257.8		GND CON 121.9 348.6		CLNC DEL 126.7		CPDLC	
Aircraft not GPS equipped - RADAR required for procedure entry. DME required.						MALSR		MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.			
⚠ Circling NA northwest of Rws 4 and 13R. ⚠ * RVR 1800 authorized with use of FD or AP or HUD to DA.											

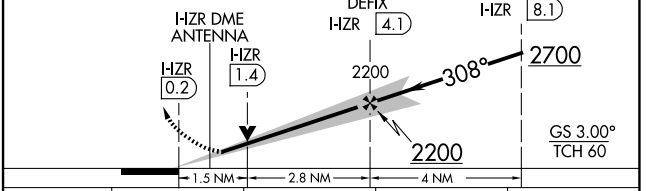


ELEV 809	D	TDZE 790 31L 788 31R
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TDZ/CL Rwy 13R
REIL Rws 13L, 22 and 31R
HIRL Rws 4-22 and 13R-31L
MIRL Rwy 13L-31R



4200	HASDO	REUBE	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 82).
↑	✧	△	



CATEGORY	A	B	C	D
S-ILS 31L *	990/24 200 (200-½)			
S-LOC 31L	1360/24	570 (600-½)	1360/60	570 (600-¼)
SIDESTEP 31R	1360-1	572 (600-1)	1360-1½ 572 (600-½)	1360-2 572 (600-2)
C CIRCLING	1360-1	551 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)

FAF to MAP 4.3 NM

Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

SC-3, 20 FEB 2025 to 20 MAR 2025

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