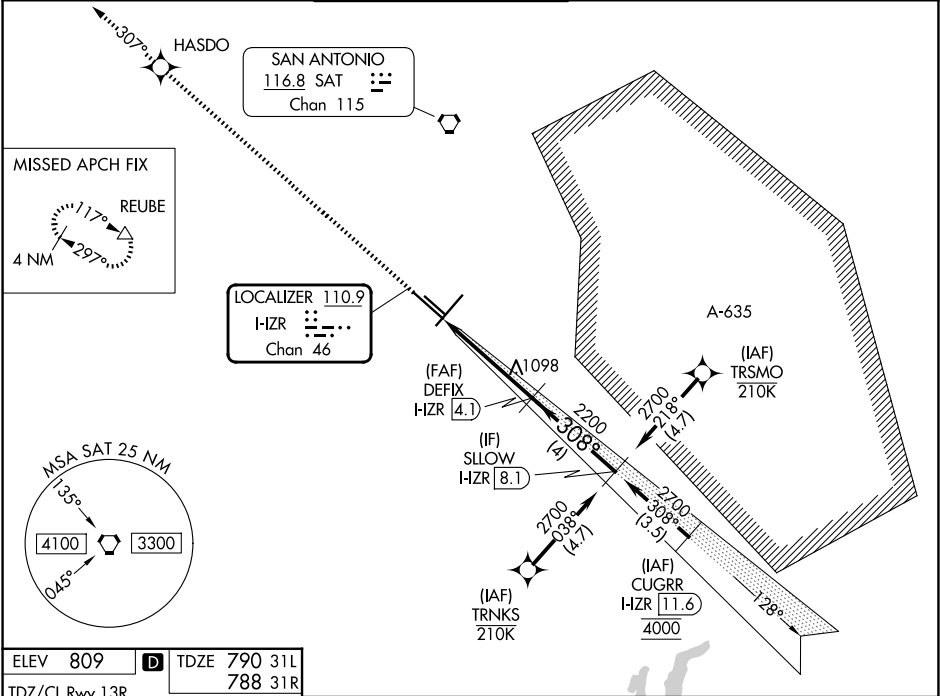


LOC/DME I-ZR 110.9 Chan 46	APP CRS 308°	Rwy 31L Ldg 8502 TDZE 790 Apt Elev 809	Rwy 31R Ldg 5519 TDZE 788 Apt Elev 809
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ILS or LOC RWY 31L

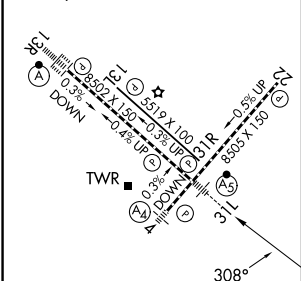
SAN ANTONIO INTL (SAT)

RNP APCH - GPS.			MALSR 	MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.	
Aircraft not GPS equipped - RADAR required for procedure entry. DME required.					
▼ ▲ Circling NA northwest of Rwy's 4 and 13R. * RVR 1800 authorized with use of FD or AP or HUD to DA.					
D-ATIS 118.9	SAN ANTONIO APP CON 125.1 307.0	SAN ANTONIO TOWER 119.8 257.8	GND CON 121.9 348.6	CLNC DEL 126.7	CPDLC



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



FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

4200	HASDO	tr 307°	REUBE	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 82).			