ILS or LOC RWY 31L
SAN ANTONIO INTL (SAT)

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

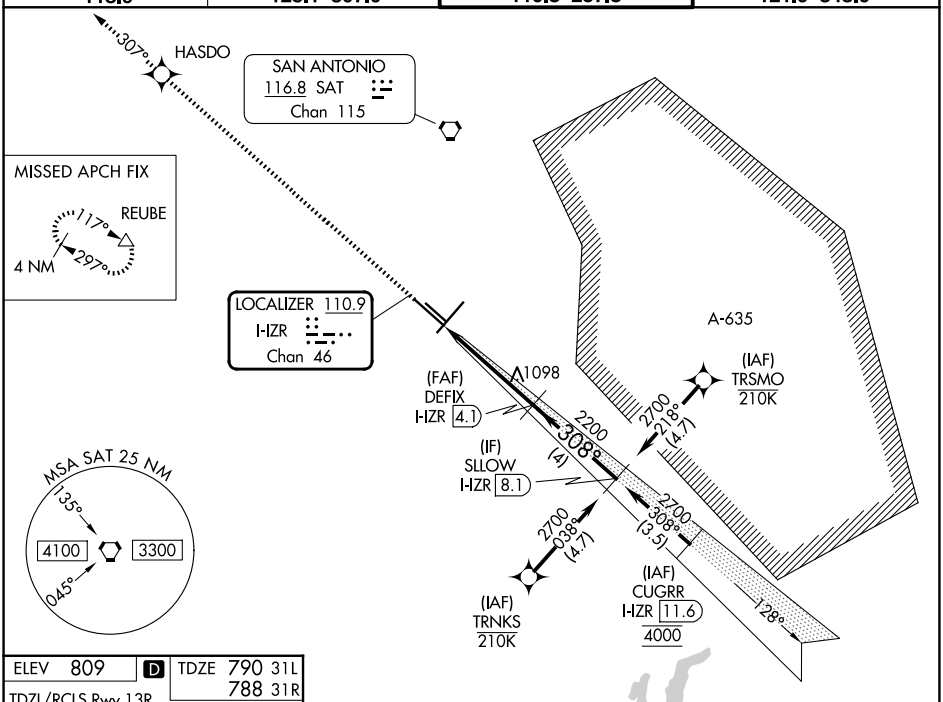
RNP APCH - GPS.
Aircraft not GPS equipped - RADAR required for procedure entry. DME required.

Circling NA northwest of Rwys 4 and 13R.
* RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

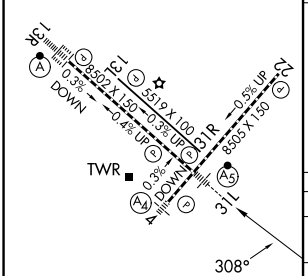
MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.

D-ATIS	SAN ANTONIO APP CON	SAN ANTONIO TOWER	GND CON
118.9	125.1 307.0	119.8 257.8	121.9 348.6



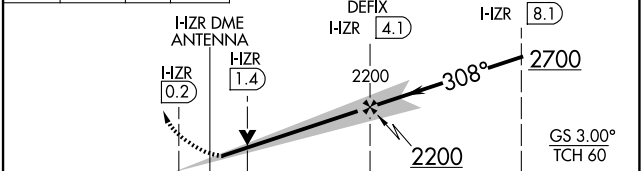
ELEV 809 D TDZE 790 31L 788 31R

TDZL/RCLS Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R



4200	HASDO	tr 307°	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 (600-1¼)	
SIDESTEP 31R	1360-1 572 (600-1)		1360-1½ 572 (600-1½)	1360-2 572 (600-2)
CIRCLING	1360-1 551 (600-1)		1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)

FAF to MAP 4.3 NM

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