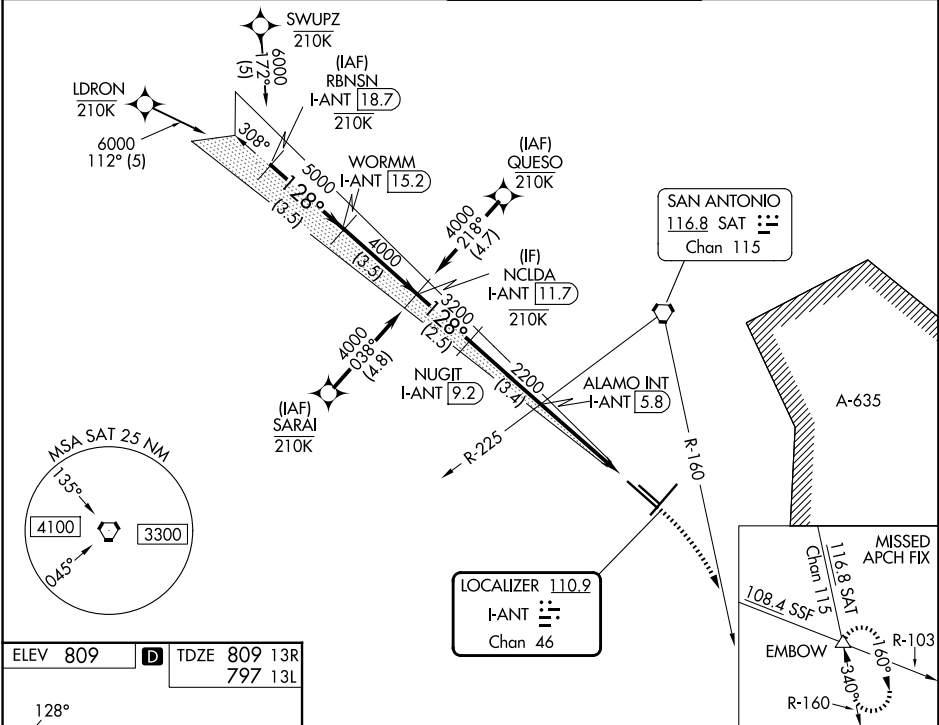


LOC/DME I-ANT 110.9 Chan 46	APP CRS 128°	Rwy 13R Ldg 8502 TDZE 809 Apt Elev 809	Rwy 13L Ldg 5519 TDZE 797 Apt Elev 809
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ILS or LOC RWY 13R
SAN ANTONIO INTL (SAT)

RNP APCH-GPS. From LDRON, SWUPZ, SARAI, QUESO. RNAV 1-GPS or RADAR required for procedure entry. DME required.	ALSF-2 A	MISSED APPROACH: Climb to 3100 on heading 128° and SAT VORTAC R-160 to EMBOW INT and hold.
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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
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ELEV 809	D	TDZE 809 13R 797 13L
TDZL/RCLS Rwy 13R REIL Rwy 13L, 22 and 31R HIRL Rwy 4-22 and 13R-31L MIRL Rwy 13L-31R		
FAF to MAP 4.2 NM		
Knots	60	90 120 150 180
Min:Sec	4:12	2:48 2:06 1:41 1:24

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 75).			
NCLDA I-ANT 11.7	NUGIT I-ANT 9.2	ALAMO INT I-ANT 5.8	EMBOW
4000	3200	2200	3100
GS 3.00° TCH 58			
hdg 128°			
SAT R-160			
2.5 NM 3.4 NM 2.4 NM 1.8 NM			
CATEGORY	A	B	C D
S-ILS 13R	1009/18		
S-LOC 13R	1460/24	651 (700-½)	1460-1⅓ 651 (700-1⅓)
SIDESTEP 13L	1480-1	683 (700-1)	1480-2 683 (700-2) 1480-2¼ 683 (700-2¼)
CIRCLING	1480-1	671 (700-1)	1480-2 671 (700-2) 1520-2¼ 711 (800-2¼)