

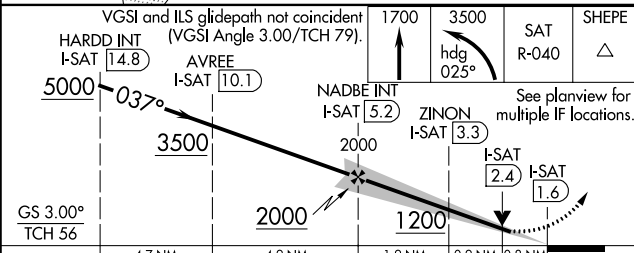
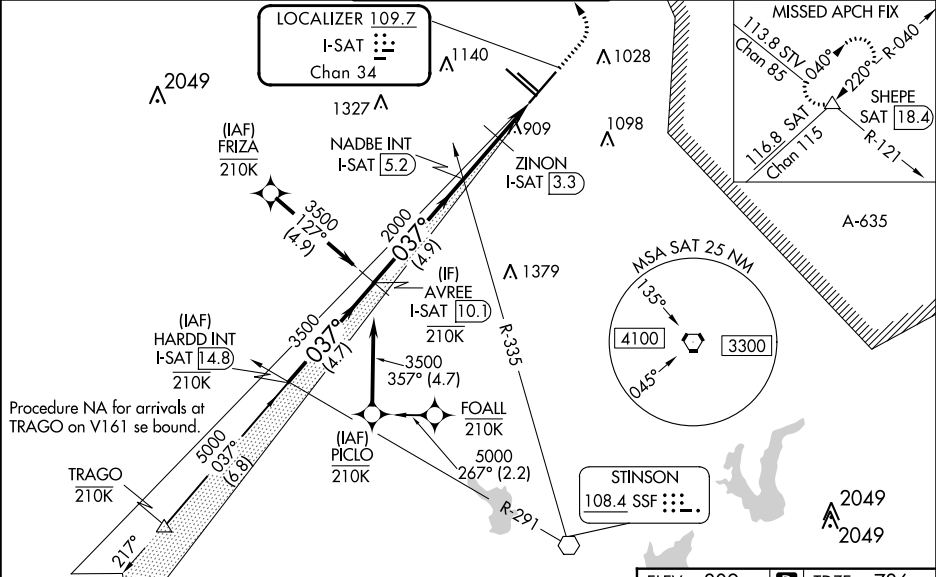
LOC/DME I-SAT	APP CRS	Rwy ldg	8505
109.7	037°	TDZE	786
Chan 34		Apt Elev	809

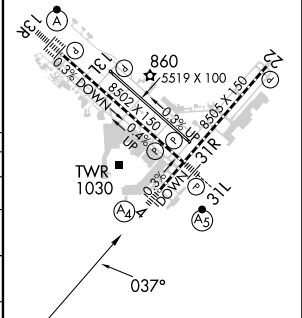
ILS or LOC RWY 4

SAN ANTONIO INTL (SAT)

RNP APCH-GPS. From TRAGO or PICLO or FRIZA.		MALS 	MISSED APPROACH: Climb to 1700 then climbing left turn to 3500 on heading 025° and on SAT VORTAC R-040 to SHEPE INT/SAT 18.4 DME and hold.
Aircraft not GPS equipped - RADAR required for procedure entry.			
 NA	Circling NA northwest of Rwy 4 and 13R. Autopilot coupled approach NA below 1189. Inop table does not apply to S-ILS 4. For inop ALS, increase S-LOC 4 Cat C/D visibility to RVR 6000.		

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
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ELEV 809	TDZE 786
TDZ/CL Rwy 13R	
REIL Rws 13L, 22 and 31R	
HIRL Rws 4-22 and 13R-31L	
MIRL Rwy 13L-31R	
	
FAF to MAP 3.6 NM	
Knots	60 90 120 150 180
Min:Sec	3:36 2:24 1:48 1:26 1:12

CATEGORY	A	B	C	D
S-ILS 4	986/40		200 (200-¾)	
S-LOC 4	1200/40	414 (400-¾)	1200/50	414 (400-1)
 CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)
ZINON FIX MINIMUMS (DME REQUIRED)				
S-LOC 4	1120/40		334 (400-¾)	
 CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)