LOC/DME I-ANT	APP CRS	Rwy 13R ldg	8502
110.9	128°	TDZE	809
Chan 46		Apt Elev	809

ILS RWY 13R (CAT II)

SAN ANTONIO INTL (SAT)

ALSF-2

MISSED APPROACH: Climb to 3100 on heading 128° and SAT VORTAC R-160 to EMBOW INT and hold.

D-ATIS	SAN ANTONIO APP CON	SAN ANTONIO TOWER	GND CON	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	

STONEWALL 113.8 STV Chan 85

CENTER POINT 117.5 CSI Chan 122

SAN ANTONIO 116.8 SAT Chan 115

MSA AN 25 NM: 159° 4100 3200 049°

4100 105° (25.8)

4100 178° (27.2)

308°

3200 NoPT to HASDO INT 128° (7.1)

(IAF) REUBE I-ANT 20.7

R-178

083° 263°

(IF) HASDO INT I-ANT 13.7

128° (6.3)

2800

R-273

4000 241° (6.1)

R-241

ALTERNATE MISSED APCH FIX TRAGO CSI 46.9

CSI 117.5 Chan 122

109.7 I-SAT Chan 115

108.4 SSF

R-264 318° 138° 217° R-138

LOM/IAF ALAMO 368 AN

ALAMO INT I-ANT 7.4

JUPAG I-ANT 3.4

LOCALIZER 110.9 I-ANT Chan 46

A-635

1849 1638 1521 1804 1605 1101 892 929 960 1140 1327 1179 1073 1028 910± 857 951 1098 956 1021 1249 1448 3049 2049 1379

SAT R-160

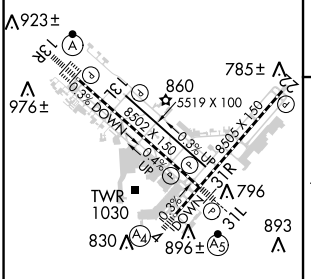
MISSED APCH FIX

116.8 SAT Chan 115

108.4 SSF

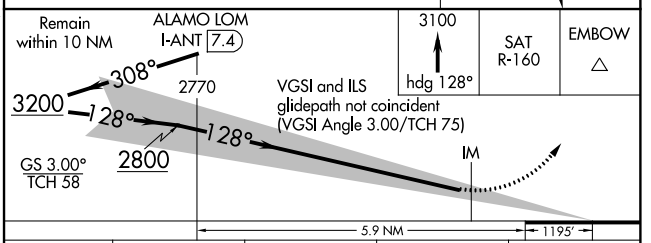
EMBOW R-097 160° 340° R-160

ELEV 809 D TDZ 809



TDZ/CL Rwy 13R
REIL Rwys 13L, 21 and 31R
HIRL Rwys 3-21 and 13R-31L
MIRL Rwy 13L-31R

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-ILS 13R	RA 104/12 100 DA 909			

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SC-3, 10 OCT 2019 to 07 NOV 2019
SC-3, 10 OCT 2019 to 07 NOV 2019