ILS RWY 13R (CAT II)
SAN ANTONIO INTL (SAT)

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

RNP APCH-GPS. From LDRON, SWUPZ, SARAI, QUESO.
RNAV 1-GPS or RADAR required for procedure entry. DME required.

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	

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 75).

3100	SAT	EMBOW
hdg 128°	R-160	△

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

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SC-3, 22 FEB 2024 to 21 MAR 2024
SC-3, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-ANT	APP CRS	Rwy 13R ldg	8502	Rwy 13L ldg	5519
110.9	128°	TDZE	809	TDZE	797
Chan 46		Apt Elev	809	Apt Elev	809

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.
Circling NA northwest of Rwys 4 and 13R.

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	

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

FAF to MAP 4.2 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).

CATEGORY	A	B	C	D
S-ILS 13R	1009/18 200 (200-½)			
S-LOC 13R	1460/24 651 (700-½)		1460-1⅜ 651 (700-1⅜)	
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)

SC-3, 22 FEB 2024 to 21 MAR 2024
SC-3, 22 FEB 2024 to 21 MAR 2024

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.

T A 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	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	

ELEV 809 D TDZE 790 31L
788 31R

TDZ/CL 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)
C 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

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.

Aircraft not GPS equipped - RADAR required for procedure entry.

NA Circling NA northwest of Rwys 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.

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.

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	

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)	
C 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)			
C CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)

ELEV 809 | D | TDZE 786

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 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

SC-3, 22 FEB 2024 to 21 MAR 2024

APP CRS	Rwy ldg	8505
217°	TDZE	770
	Apt Elev	809

RNAV (RNP) X RWY 22
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.

MISSED APPROACH: (Do not exceed 195K until IMIKE) Climb to 3100 direct IMIKE and on track 137° EMBOW 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	

MISSED APCH FIX

3100	IMIKE	tr 137°	EMBOW

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 85).

CATEGORY	A	B	C	D
RNP 0.15 DA	1070-⅞ 300 (300-⅞)			
RNP 0.30 DA	1222-1⅜ 452 (500-1⅜)			

AUTHORIZATION REQUIRED

ELEV 809	D	TDZE 770

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

RNAV (RNP) Z RWY 13R
SAN ANTONIO INTL (SAT)

APP CRS	Rwy ldg	8502
128°	TDZE	809
	Apt Elev	809

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C. For inop ALS, increase RNP 0.3 all Cats visibility to RVR 6000.

ALSF-2

MISSED APPROACH: (Do not exceed 210K until POYIG) Climb to 3100 on track 128° to POYIG and track 171° to EMBOW 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	

MISSED APCH FIX

ELEV 809	D	TDZE 809

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 75).

3100 tr 128°	POYIG	tr 171°	EMBOW

See planview for multiple IF locations.

CATEGORY	A	B	C	D
RNP 0.15 DA	1137/26	328 (400-½)		
RNP 0.30 DA	1218/40	409 (500-¾)		

AUTHORIZATION REQUIRED

SC-3, 22 FEB 2024 to 21 MAR 2024
SC-3, 22 FEB 2024 to 21 MAR 2024

APP CRS	Rwy ldg	8505
217°	TDZE	770
	Apt Elev	809

RNAV (RNP) Z RWY 22
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS. Authorization required.
From BRSQT: Min RNP 0.50. From NADDE: RF.

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.

MISSED APPROACH: (Do not exceed 195K until IMIKE) Climb to 3100 direct IMIKE and on track 137° to EMBOW 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	

ELEV 809 D TDZE 770

MISSED APCH FIX

3100	IMIKE	tr 137°	EMBOW

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 85).

See planview for multiple IF locations.

CATEGORY	A	B	C	D
RNP 0.15 DA	1068-⅞	298 (300-⅞)		
RNP 0.30 DA	1220-1⅜	450 (500-1⅜)		

AUTHORIZATION REQUIRED

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

APP CRS	Rwy ldg	8502
308°	TDZE	790
	Apt Elev	809

RNAV (RNP) Z RWY 31L
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C. For inop ALS, increase RNP 0.15 all Cats visibility to RVR 5500, increase RNP 0.30 all Cats visibility to RVR 6000.

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	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	

CATEGORY	A	B	C	D
RNP 0.15 DA	1144/30	354 (400-⅝)		
RNP 0.30 DA	1200/40	410 (400-¾)		

AUTHORIZATION REQUIRED

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

APP CRS	Rwy ldg	8505
037°	TDZE	786
	Apt Elev	809

RNAV (RNP) Z RWY 4
SAN ANTONIO INTL (SAT)

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.

MALS

MISSED APPROACH: Climb to 3500 direct BISGE and track 030° to SHEPE 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	

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 79).

3500	BISGE	tr 030°	SHEPE

See planview for multiple IF locations.

CATEGORY	A	B	C	D
RNP 0.15 DA	1167/45	381 (400-⅞)		
RNP 0.30 DA	1286/60	500 (500-1¼)		

AUTHORIZATION REQUIRED

ELEV 809 D TDZE 786

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

RNAV (GPS) Y RWY 13R
SAN ANTONIO INTL (SAT)

WAAS CH 82409 W13A	APP CRS 128°	Rwy ldg 8502 TDZE 809 Apt Elev 809

RNP APCH - GPS.

Circling NA northwest of Rwys 4 and 13R. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 6000 and LNAV Cats C and D visibility to 1⅞ SM.

ALSF-2

MISSED APPROACH: Climb to 3100 direct POYIG and on track 171° to EMBOW 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	

ELEV 809 | D | TDZE 809

CATEGORY	A	B	C	D
LPV DA	1009/18 200 (200-½)			
LNAV/VNAV DA	1221/40 412 (500-¾)			
LNAV MDA	1480/24 671 (700-½)		1480-1½ 671 (700-1½)	
CIRCLING	1480-1 671 (700-1)		1480-2 671 (700-2)	1520-2¼ 711 (800-2¼)

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

WAAS CH 69430 W22A	APP CRS 217°	Rwy ldg 8505 TDZE 770 Apt Elev 809

RNAV (GPS) Y RWY 22
SAN ANTONIO INTL (SAT)

RNP APCH - GPS.

Circling NA northwest of Rwys 4 and 13R. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C.

MISSED APPROACH: Climb to 3100 direct IMIKE and on track 137° to EMBOW 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	

ELEV 809 | D | TDZE 770

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

3100	IMIKE	tr 137°	EMBOW

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 85).

CATEGORY	A	B	C	D
LPV DA	970-¾ 200 (200-¾)			
LNAV/VNAV DA	1220-1⅜ 450 (500-1⅜)			
LNAV MDA	1220-1 450 (500-1)		1220-1⅜ 450 (500-1⅜)	
CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)

SC-3, 22 FEB 2024 to 21 MAR 2024

WAAS CH 61209 W31A	APP CRS 308°	Rwy ldg 8502 TDZE 790 Apt Elev 809

RNAV (GPS) Y RWY 31L
SAN ANTONIO INTL (SAT)

RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. 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	CLNC DEL	CPDLC
118.9	125.1 307.0	119.8 257.8	121.9 348.6	126.7	

MISSED APCH FIX

ELEV 809 | D | TDZE 790

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

CATEGORY	A	B	C	D
LPV DA *	990/24 200 (200-½)			
LNAV/VNAV DA	1220/40 430 (500-¾)			
LNAV MDA	1360/24 570 (600-½)		1360/60 570 (600-1¼)	
C CIRCLING	1360-1 551 (600-1)		1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)

SC-3, 22 FEB 2024 to 21 MAR 2024

RNAV (GPS) Y RWY 4
SAN ANTONIO INTL (SAT)

WAAS CH 77613 W04A	APP CRS 037°	Rwy ldg 8505 TDZE 786 Apt Elev 809

RNP APCH - GPS.

Circling NA northwest of Rwys 4 and 13R. Inop table does not apply to LPV. For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 6000. Increase LNAV Cats A/B visibility to RVR 5500 and LNAV Cats C/D visibility to 1⅜ SM.

MALS

MISSED APPROACH: Climb to 3500 direct BISGE and track 030° to SHEPE 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	

ELEV 809 D TDZE 786

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 79).

3500	BISGE	tr 030°	SHEPE

CATEGORY	A	B	C	D
LPV DA	986/40 200 (200-¾)			
LNAV/VNAV DA	1201/50 415 (400-1)			
LNAV MDA	1280/40 494 (500-¾)		1280/60 494 (500-1¼)	
CIRCLING	1280-1 471 (500-1)	1340-1 531 (600-1)	1420-1¾ 611 (700-1¾)	1520-2¼ 711 (800-2¼)

TDZ/CL Rwy 13R
REIL Rwys 13L, 22 and 31R
HIRL Rwys 4-22 and 13R-31L
MIRL Rwy 13L-31R

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024