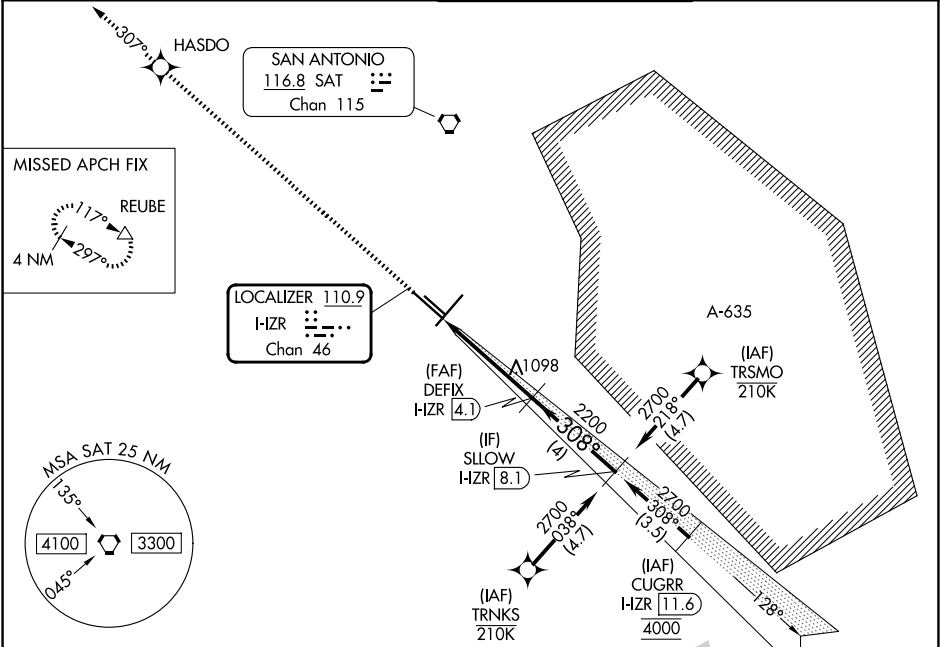


|                                                |                        |                                                                   |                                                                   |
|------------------------------------------------|------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| LOC/DME I-ZR<br><b>110.9</b><br>Chan <b>46</b> | APP CRS<br><b>308°</b> | Rwy 31L Ldg <b>8502</b><br>TDZE <b>790</b><br>Apt Elev <b>809</b> | Rwy 31R Ldg <b>5519</b><br>TDZE <b>788</b><br>Apt Elev <b>809</b> |
|------------------------------------------------|------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|

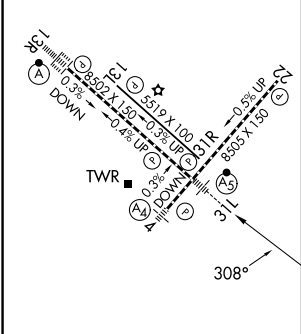
ILS or LOC RWY 31L  
SAN ANTONIO INTL (SAT)

|                                                                                                                                                                 |                                    |                                  |                                                                                                               |                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| RNP APCH - GPS.                                                                                                                                                 |                                    |                                  | <div>MALSR</div> <div></div> | MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold. |
| Aircraft not GPS equipped - RADAR required for procedure entry. DME required.                                                                                   |                                    |                                  |                                                                                                               |                                                                               |
| <div><div><div>⚠</div><div>⚠</div></div><div>Circling NA northwest of Rwy's 4 and 13R.<br/>* RVR 1800 authorized with use of FD or AP or HUD to DA.</div></div> |                                    |                                  |                                                                                                               |                                                                               |
| D-ATIS<br>118.9                                                                                                                                                 | SAN ANTONIO APP CON<br>125.1 307.0 | SAN ANTONIO TOWER<br>119.8 257.8 | GND CON<br>121.9 348.6                                                                                        |                                                                               |



|                 |          |                                       |
|-----------------|----------|---------------------------------------|
| ELEV <b>809</b> | <b>D</b> | TDZE <b>790 31L</b><br><b>788 31R</b> |
|-----------------|----------|---------------------------------------|

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°). |                      |
|                  |                     |                |                      |                                                                   |                      |
| H-ZR DME ANTENNA |                     | DEFIX I-ZR 4.1 |                      | SLOW I-ZR 8.1                                                     |                      |
| H-ZR 0.2         |                     | H-ZR 1.4       |                      | 2200                                                              |                      |
| 1.5 NM           |                     | 2.8 NM         |                      | 4 NM                                                              |                      |
| CATEGORY         | A                   | B              | C                    | D                                                                 |                      |
| S-ILS 31L *      | 990/24 200 (200-½)  |                |                      |                                                                   |                      |
| S-LOC 31L        | 1360/24 570 (600-½) |                | 1360/60 570 (600-¼)  |                                                                   |                      |
| SIDESTEP 31R     | 1360-1 572 (600-1)  |                | 1360-1½ 572 (600-2)  |                                                                   | 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 |

SC-3, 06 AUG 2026 to 03 SEP 2026

SC-3, 06 AUG 2026 to 03 SEP 2026