

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

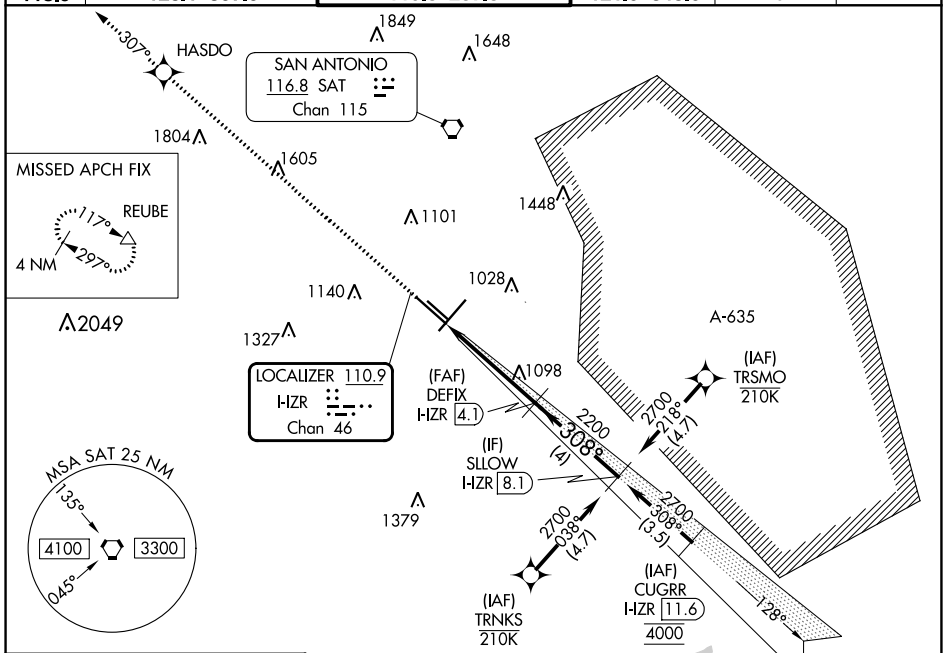
Aircraft not GPS equipped - RADAR required for procedure entry. DME required.

- ▼** Circling NA northwest of Rws 4 and 13R.
- ▲** \* RVR 1800 authorized with use of FD or AP or HUD to DA.



MISSED APPROACH: Climb to 4200 direct HASDO and track 307° to REUBE and hold.

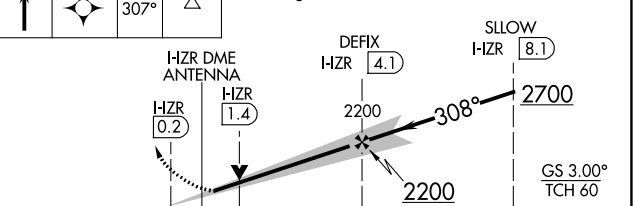
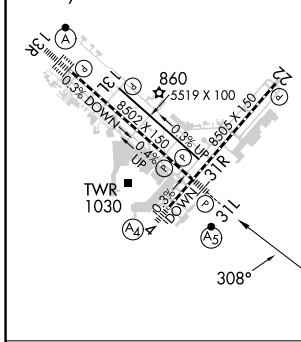
|                        |   |   |                               |                          |       |
|------------------------|---|---|-------------------------------|--------------------------|-------|
| D-ATIS<br><b>118.9</b> | SAN ANTONIO APP CON<br><b>125.1 307.0</b> | SAN ANTONIO TOWER<br><b>119.8 257.8</b> | GND CON<br><b>121.9 348.6</b> | CLNC DEL<br><b>126.7</b> | CPDLC |
|------------------------|---|---|-------------------------------|--------------------------|-------|



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

TDZ/CL Rwy 13R  
REIL Rws 13L, 22 and 31R  
HIRL Rws 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 (600-¼)             |
| SIDESTEP 31R      | 1360-1             | 572 (600-1) | 1360-1½<br>572 (600-½)  | 1360-2<br>572 (600-2)   |
| <b>C</b> CIRCLING | 1360-1             | 551 (600-1) | 1420-1¾<br>611 (700-1¾) | 1520-2¼<br>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, 28 NOV 2024 to 26 DEC 2024

SC-3, 28 NOV 2024 to 26 DEC 2024