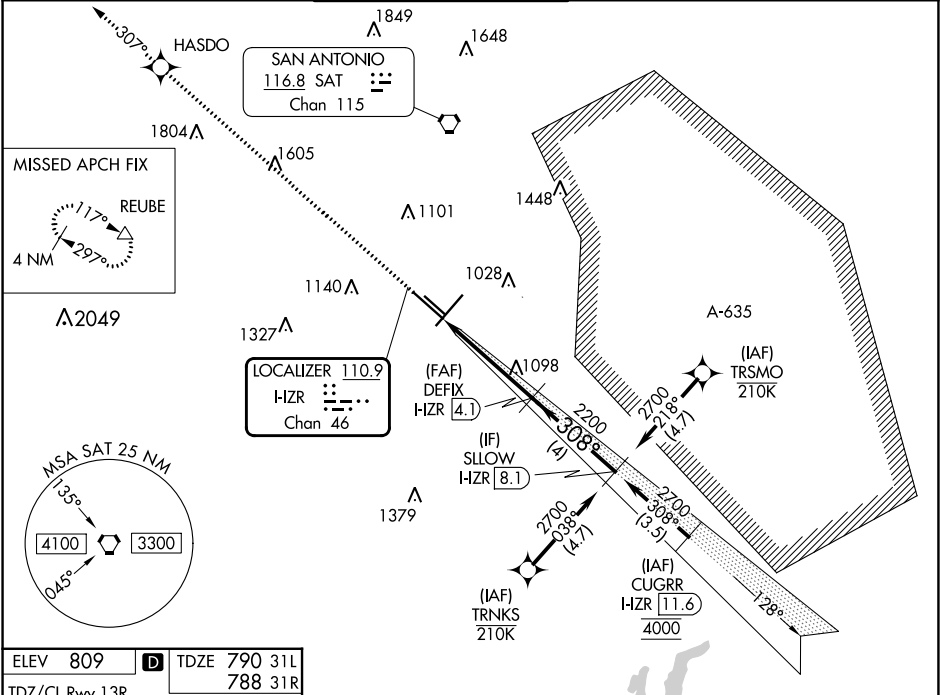


|                                                |                        |                                                                   |                                                                   |
|------------------------------------------------|------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| 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.                                                                                                                                                                                                            |                                    |                                  | <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><div><div></div><div></div></div></div><div><div>Circling NA northwest of Rwy's 4 and 13R.</div><div>* RVR 1800 authorized with use of FD or AP or HUD to DA.</div></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                                                                                        | CLNC DEL<br>126.7                                                             | CPDLC |



|                                                                                               |          |                                       |
|-----------------------------------------------------------------------------------------------|----------|---------------------------------------|
| ELEV <b>809</b>                                                                               | <b>D</b> | TDZE <b>790 31L</b><br><b>788 31R</b> |
| TDZ/CL Rwy 13R<br>REIL Rwys 13L, 22 and 31R<br>HIRL Rwys 4-22 and 13R-31L<br>MIRL Rwy 13L-31R |          |                                       |
| <p>FAF to MAP 4.3 NM</p>                                                                      |          |                                       |
| Knots                                                                                         | 60       | 90                                    |
| Min:Sec                                                                                       | 4:18     | 2:52                                  |

|                                                                                              |                    |             |                         |                                                                 |
|----------------------------------------------------------------------------------------------|--------------------|-------------|-------------------------|-----------------------------------------------------------------|
| 4200                                                                                         | HASDO              | tr 307°     | REUBE                   | VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 82). |
| <p>Detailed approach diagram showing the glide path, FAF, and various navigational aids.</p> |                    |             |                         |                                                                 |
| 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 (600-1½) | 1360-2<br>572 (600-2)                                           |
| Ⓢ CIRCLING                                                                                   | 1360-1             | 551 (600-1) | 1420-1¾<br>611 (700-1¾) | 1520-2¼<br>711 (800-2¼)                                         |

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024