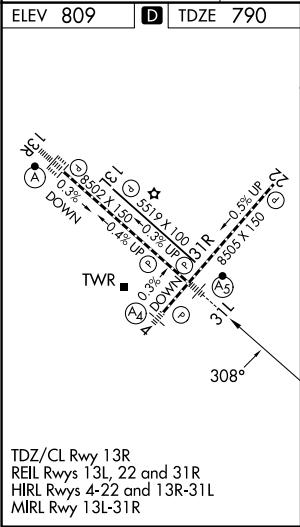
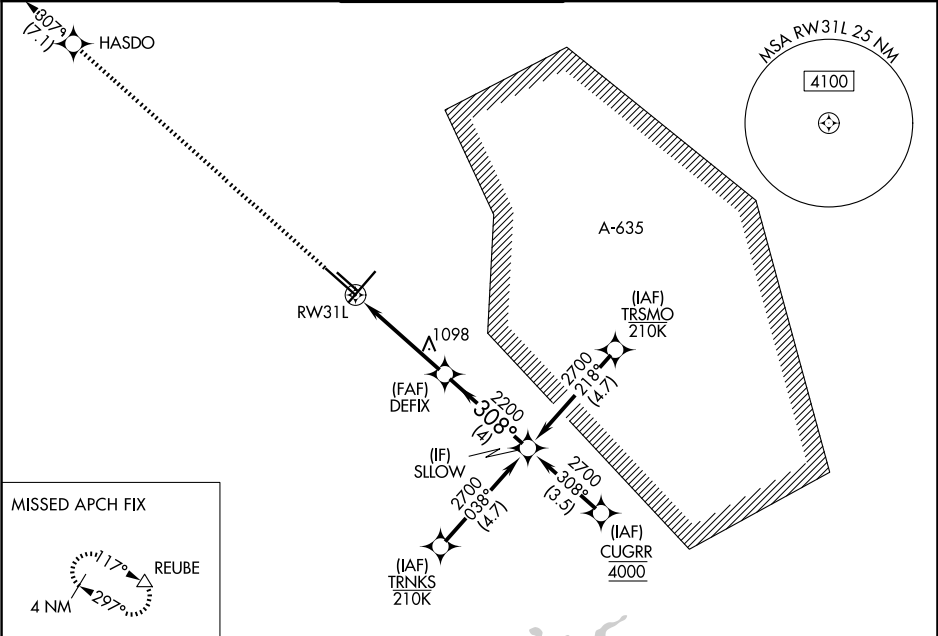


|                                        |                        |                                                   |
|----------------------------------------|------------------------|---------------------------------------------------|
| WAAS<br>CH <b>61209</b><br><b>W31A</b> | APP CRS<br><b>308°</b> | Rwy Ldg<br>TDZE <b>790</b><br>Apt Elev <b>809</b> |
|----------------------------------------|------------------------|---------------------------------------------------|

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

|                                                                                                                                                                                                        |                                           |                                         |                               |                                                                               |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|-------------------------------|-------------------------------------------------------------------------------|-------|
| RNP APCH - GPS.<br>▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -5°C or above 54°C. Circling NA northwest of Rwy 4 and 13R.<br>▲ * RVR 1800 authorized with use of FD or AP or HUD to DA. |                                           |                                         | MALSR<br>AS                   | 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 |



|              |         |                 |                         |                                                                  |  |
|--------------|---------|-----------------|-------------------------|------------------------------------------------------------------|--|
| 4200 HASDO   |         | REUBE           |                         | VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 82). |  |
| ↑            |         | tr 307°         |                         | SLOW                                                             |  |
| RW31L        |         | 1.5 NM to RW31L |                         | DEFIX 2200                                                       |  |
| 2700         |         | 308°            |                         | 2200                                                             |  |
| 1.5 NM       |         | 2.8 NM          |                         | 4 NM                                                             |  |
| 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)                                                     |  |
| CIRCLING     | 1360-1  | 551 (600-1)     | 1420-1¾<br>611 (700-1¾) | 1520-2¼<br>711 (800-2¼)                                          |  |