

|                           |                        |                                                                |
|---------------------------|------------------------|----------------------------------------------------------------|
| LOC I-MER<br><b>109.5</b> | APP CRS<br><b>306°</b> | Rwy Ldg <b>11802</b><br>TDZE <b>181</b><br>Apt Elev <b>190</b> |
|---------------------------|------------------------|----------------------------------------------------------------|

ILS or LOC RWY 31  
CASTLE (MER)

DME required for LOC only.

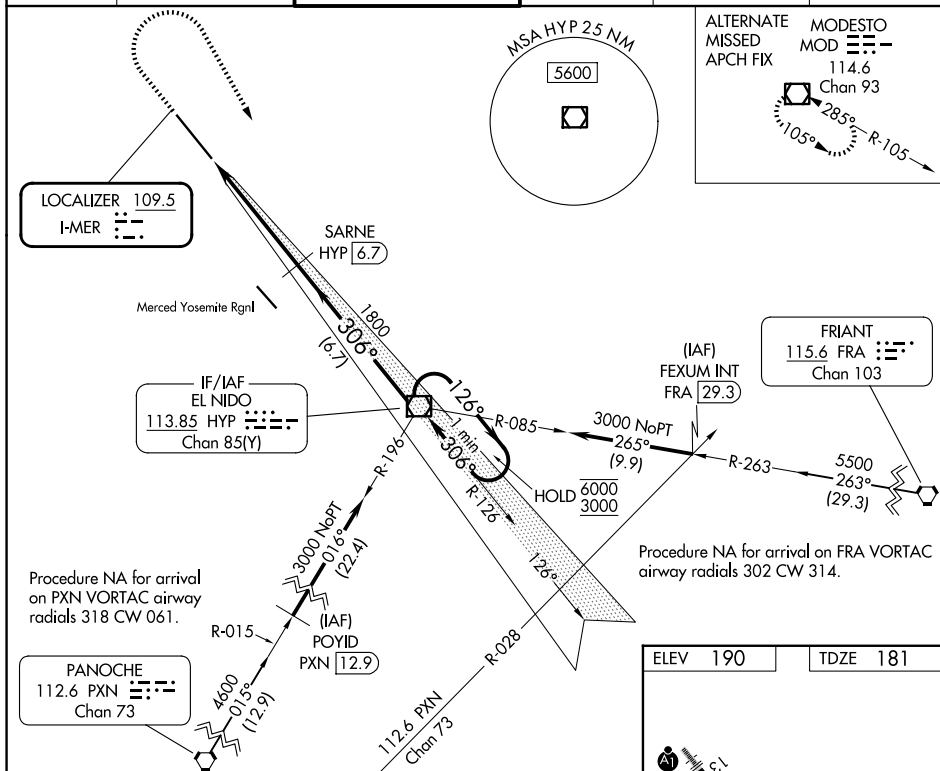
**T** Circling NA southwest of Rwy 13-31. DME from HYP VOR/DME.  
**A** Simultaneous reception of I-MER and HYP DME required.

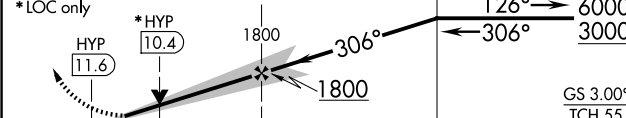
ALSF-1

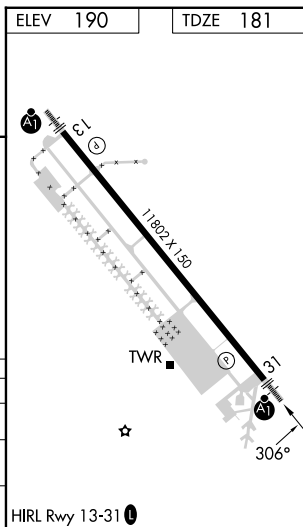


**MISSED APPROACH:** Climb to 1000 then climbing right turn to 3000 direct HYP VOR/DME and hold.

|                        |                                        |                                                 |                           |                         |                                                                                                |
|------------------------|----------------------------------------|-------------------------------------------------|---------------------------|-------------------------|------------------------------------------------------------------------------------------------|
| ATIS<br><b>124.475</b> | NORCAL APP CON<br><b>120.95 269.45</b> | CASTLE TOWER ★<br><b>118.175 (CTAF) 235.775</b> | GND CON<br><b>133.575</b> | UNICOM<br><b>122.95</b> | <b>123.0</b>  |
|------------------------|----------------------------------------|-------------------------------------------------|---------------------------|-------------------------|------------------------------------------------------------------------------------------------|



|                                                                                    |                                                                                             |                                                                                            |                                                                    |                        |                               |                    |  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------|-------------------------------|--------------------|--|
| 1000<br>↑                                                                          | 3000<br> | HYP<br> | VGSI and ILS glidepath not coincident<br>(VGSI Angle 3.00/TCH 71). |                        |                               |                    |  |
| *LOC only                                                                          |                                                                                             |                                                                                            | SARNE<br>HYP [6.7]                                                 | HYP<br>VOR/DME         | One Minute<br>Holding Pattern |                    |  |
| *HYP [10.4]                                                                        |                                                                                             |                                                                                            | 1800                                                               | 306°                   | 126° → 6000<br>← 306° 3000    | GS 3.00°<br>TCH 55 |  |
|  |                                                                                             |                                                                                            |                                                                    |                        |                               |                    |  |
| CATEGORY                                                                           | A                                                                                           |                                                                                            | B                                                                  | C                      | D                             |                    |  |
| S-ILS 31                                                                           | 381-½ 200 (200-½)                                                                           |                                                                                            |                                                                    |                        |                               |                    |  |
| S-LOC 31                                                                           | 620-½ 439 (500-½)                                                                           |                                                                                            |                                                                    | 620-¾ 439 (500-¾)      |                               |                    |  |
| CIRCLING                                                                           | 660-1 470 (500-1)                                                                           |                                                                                            |                                                                    | 720-1½<br>530 (600-1½) | 800-2<br>610 (700-2)          |                    |  |



## ILS or LOC RWY 31