

WAAS CH 87110 W31A	APP CRS 306°	Rwy Ldg 11802 TDZE 181 Apt Elev 190
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RNAV (GPS) RWY 31

CASTLE (MER)

RNP APCH.

▼ Circling NA southwest of Rwy 13-31. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. For inoperative ALS, increase LNAV/VNAV all Cats visibility to ½ SM and LNAV C/D visibility to 1 SM.

ALSF-1

MISSED APPROACH: Climb to 4000 direct WENIG and on track 031° to NEBBY and hold, continue climb-in-hold to 4000.

ATIS 124.475	NORCAL APP CON 120.95 269.45	CASTLE TOWER ★ 118.175 (CTAF) 235.775	GND CON 133.575	UNICOM 122.95	123.0
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MISSED APCH FIX

MSA RW31 25 NM

4000

WENIG

tr 031°

NEBBY

*LNAV only

*1 NM to RW31

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).

CATEGORY	A	B	C	D
LPV DA	381-½		200 (200-½)	
LNAV/VNAV DA	498-½		317 (400-½)	
LNAV MDA	560-½ 379 (400-½)		560-⅝ 379 (400-⅝)	
CIRCLING	660-1 470 (500-1)		720-1½ 800-2 530 (600-1½) 610 (700-2)	

ELEV 190

TDZE 181

HIRL Rwy 13-31

ATWATER, CALIFORNIA

Amtd 1 05DEC19

37°23'N-120°34'W

CASTLE (MER)

RNAV (GPS) RWY 31

SW-2, 25 DEC 2025 to 22 JAN 2026

SW-2, 25 DEC 2025 to 22 JAN 2026