

ILS or LOC Y RWY 31

LOC I-RCA
110.3

APCH CRS
310°

Rwy Ldg
13,497

TDZE
3192

Arpt Elev
3276

[USAF]

ELLSWORTH AFB (KRCA)

RADAR or DME required.

ALSF-1

MISSED APPROACH: Track outbound RCA R-310 to 3 DME (APOGE), then turn right to join RCA R-043 outbound to RCA 15 DME (RUUSH) and hold. Maintain 6000.

ATIS★
120.625 269.9

APP CON
119.5 259.1

TOWER★
126.05 253.5

GND CON
121.8 275.8

*** CAT E circling restricted to 28th BW aircraft only;
28th BW aircraft will remain within Class D airspace.

Diagram details: The main approach is for ILS or LOC Y RWY 31. The glide path starts at 5000 feet and descends to 6000 feet. Key points include: APOGE RCA R-310 at 3729 feet, LOCALIZER 110.3, I-RCA, ELLSWORTH Chan 25 RCA, CURPI RADAR RCA 6.3, and the Rapid City Regional airport. The missed approach procedure is: Track outbound RCA R-310 to 3 DME (APOGE), then turn right to join RCA R-043 outbound to RCA 15 DME (RUUSH) and hold. Maintain 6000. A circular MSA diagram shows a 2.5 NM radius with altitudes of 4700, 8000, 8400, and 3230 feet.

APOGE RCA R-310
3

6000 RCA R-043

RUUSH RCA 15

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).

CURPI RADAR RCA 6.3

MEXIE RCA 15 Intcp Lczr

RUUSH RCA 15

OPOGE RCA 1.3

RCA 2.5

310°

5000

6000

Arc 15

GS 3.00° TCH 54

0.5 NM 5 NM

CATEGORY	A	B	C	D	E
S-ILS 31*	3392/24		200	(200-1/2)	
S-LOC 31**	3800/24	608 (600-1/2)	3800-13/8	608 (600-13/8)	
CIRCLING	3860-1 584 (600-1)	3880-1 604 (700-1)	3880-13/8 604 (700-13/8)	3980-21/4 704 (800-21/4)	4040-23/4 764 (800-23/4)

RAPID CITY, SOUTH DAKOTA

44°09'N-103°06'W

ELLSWORTH AFB (KRCA)

ELEV 3276 TDZE 3192

A1

13.497 x 300

0.7% UP

3348

TWR

310°

HIRL Rwy 13-31

FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NC-1, 07 AUG 2025 to 04 SEP 2025

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