

# RADAR MINS

N1

09071

## RADAR INSTRUMENT APPROACH MINIMUMS

### BISMARCK, ND

Amdt. 3A, DEC 13, 2002 (FAA)

ELEV 1661

### BISMARCK MUNI

RADAR - 126.3 298.9 ▽ ▲

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/	HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/	HAA	CEIL-VIS
ASR	13		AB	2100-1	445	(500-1)	C	2100-1¼	445	(500-1¼)		
			D	2100-1½	445	(500-1½)						
	31		AB	2100/24	455	(500-½)	C	2100/40	455	(500-¾)		
			D	2100/50	455	(500-1)						
	21		AB	2120-1	459	(500-1)	C	2120-1¼	459	(500-1¼)		
			D	2120-1½	459	(500-1½)						
	3		AB	2120-1	459	(500-1)	C	2120-1¼	459	(500-1¼)		
			D	2120-1½	459	(500-1½)						
CIRCLING			A	2180-1	519	(600-1)	B	2220-1	539	(600-1)		
			C	2220-1½	559	(600-1½)	D	2240-2	579	(600-2)		

Inoperative table does not apply to MALS Rwy 13.

### DULUTH, MN

Amdt. 20, OCT 7, 1999 (FAA)

ELEV 1428

### DULUTH INTL

RADAR - 125.45 255.9

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/	HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/	HAA	CEIL-VIS
ASR	3		ABC	1820-1	400	(400-1)	D	1820-1¼	400	(400-1¼)		
			E	1820-1½	400	(400-1½)						
	27		AB	1860/24	439	(500-½)	C	1860/40	439	(500-¾)		
			DE	1860/50	439	(500-1)						
	21		AB	1860-1	440	(500-1)	C	1860-1¼	440	(500-1¼)		
			DE	1860-1½	440	(500-1½)						
	9		AB	1880/24	452	(500-½)	C	1880/40	452	(500-¾)		
			DE	1880/50	452	(500-1)						
CIRCLING			AB	1920-1	492	(500-1)	C	1920-1½	492	(500-1½)		
			DE	1980-2	552	(600-2)						

Category E circling NA southeast of Rwy 3 and 27.

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## ELLSWORTH AFB (KRCA) (Rapid City), SD (Amdt 1, 08045 USAF)

ELEV 3276

RADAR - (E) 119.5 259.1<sup>1</sup>

	RWY	GS/TCH/RPI	CAT	DH/	HAT/	CEIL-VIS
				MDA-VIS	HAA	
ASR	13 <sup>2</sup>		AB	3820/40	544	(600-¾)
			C	3820/50	544	(600-1)
			D	3820/60	544	(600-1¼)
			E	3820-1½	544	(600-1½)
	31 <sup>2</sup>		AB	3820/40	628	(600-¾)
			C	3820/60	628	(600-1¼)
			D	3820-1½	628	(600-1½)
			E	3820-1¼	628	(600-1¼)
CIR	All Rwy <sup>3</sup>		A	3860-1¼	584	(600-1¼)
			B	3880-1¼	604	(700-1¼)
			C	3880-1¼	604	(700-1¼)
			D	3880-2	604	(700-2)
			E	4040-2¾	764	(800-2¾)


<sup>1</sup>Opr 1300-0730Z++ Mon-Thu, 1300-0500Z++ Fri, 1400-0500Z++ Sat, Sun and hol. <sup>2</sup>When ALS inop, increase CAT AB RVR to 60 and vis to 1¼, increase CAT CDE vis ½ mile. <sup>3</sup>CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within class D airspace.

## MANDAN, ND

Amdt. 4, NOV 09, 1995 (FAA)

ELEV 1942

## MANDAN MUNI

RADAR - 126.3 298.9  NA

	RWY	GS/TCH/RPI	CAT	DA/	HAT/	CEIL-VIS	CAT	DA/	HAT/	CEIL-VIS	
				MDA-VIS	HAA			MDA-VIS	HAA		
ASR	31		AB	2360-1	418	(500-1)	CD	2360-1¼	418	(500-1¼)	
				AB	2460-1	520	(600-1)	C	2460-1½	520	(600-1½)
				D	2460-1¾	520	(600-1¾)				
CIRCLING			A	2460-1	518	(600-1)	B	2500-1	558	(600-1)	
				C	2500-1½	558	(600-1½)	D	2500-2	558	(600-2)

Use Bismarck altimeter setting.

When Bismarck control tower closed, ASR NA.

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## RADAR INSTRUMENT APPROACH MINIMUMS

## ROCHESTER, MN

Amdt. 8, JAN 15, 2009 (FAA)

ELEV 1317

## ROCHESTER INTL

RADAR - 119.8 251.125 ▽

	RWY	GS/TCH/RP/CAT	HAT/ HATH/			CAT	HAT/ HATH/		
			DA/ MDA-VIS	HAA	CEIL-VIS		DA/ MDA-VIS	HAA	CEIL-VIS
ASR	2	ABC	1680-1	363	(400-1)	D	1680-1¼	363	(400-1¼)
	13	ABC	1640/24	360	(400-½)	D	1640/50	360	(400-1)
	20	ABC	1660-1	356	(400-1)	D	1660-1¼	356	(400-1¼)
	31	ABC	1660/24	356	(400-½)	D	1660/50	356	(400-1)
CIRCLING		A	1720-1	403	(500-1)	B	1780-1	463	(500-1)
		C	1780-1½	463	(500-1½)	D	1880-2	563	(600-2)

When control tower closed, procedure NA. For inoperative MALS/R, increase S-13 and S-31 Cat D visibility to RVR 6000. Visibility reduction by helicopters NA Rwy 2-20.

## SIOUX FALLS, SD

Amdt. 10A, OCT 3, 2003 (FAA)

ELEV 1429

## JOE FOSS FIELD

RADAR - 125.8 353.6 ▽ ▲

	RWY	GS/TCH/RP/CAT	HAT/ HATH/			CAT	HAT/ HATH/		
			DA/ MDA-VIS	HAA	CEIL-VIS		DA/ MDA-VIS	HAA	CEIL-VIS
ASR	3	AB	1940/24	517	(600-½)	C	1940/50	517	(600-1)
		DE	1940/60	517	(600-1¼)				
	33	AB	1920-1	497	(500-1)	C	1920-1¼	497	(500-1¼)
		D	1920-1½	497	(500-1½)	E	1920-1¾	497	(500-1¾)
	21	AB	1960/24	531	(600-½)	C	1960/50	531	(600-1)
		D	1960/60	531	(600-1¼)	E	1960-1½	531	(600-1½)
	15	AB	1960-1	534	(600-1)	C	1960-1½	534	(600-1½)
		D	1960-1¾	534	(600-1¾)	E	1960-2	534	(600-2)
CIRCLING		AB	1960-1	531	(600-1)	C	1960-1½	531	(600-1½)
		D	2040-2	611	(700-2)	E	2300-3	871	(900-3)

When control tower closed, procedure not authorized.

Category E S-3 visibility increased 1¼ mile for inoperative MALS/R.

Category E S-21 visibility increased to 2 miles for inoperative MALS/R.

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