

# KMSP

Minneapolis St Paul International

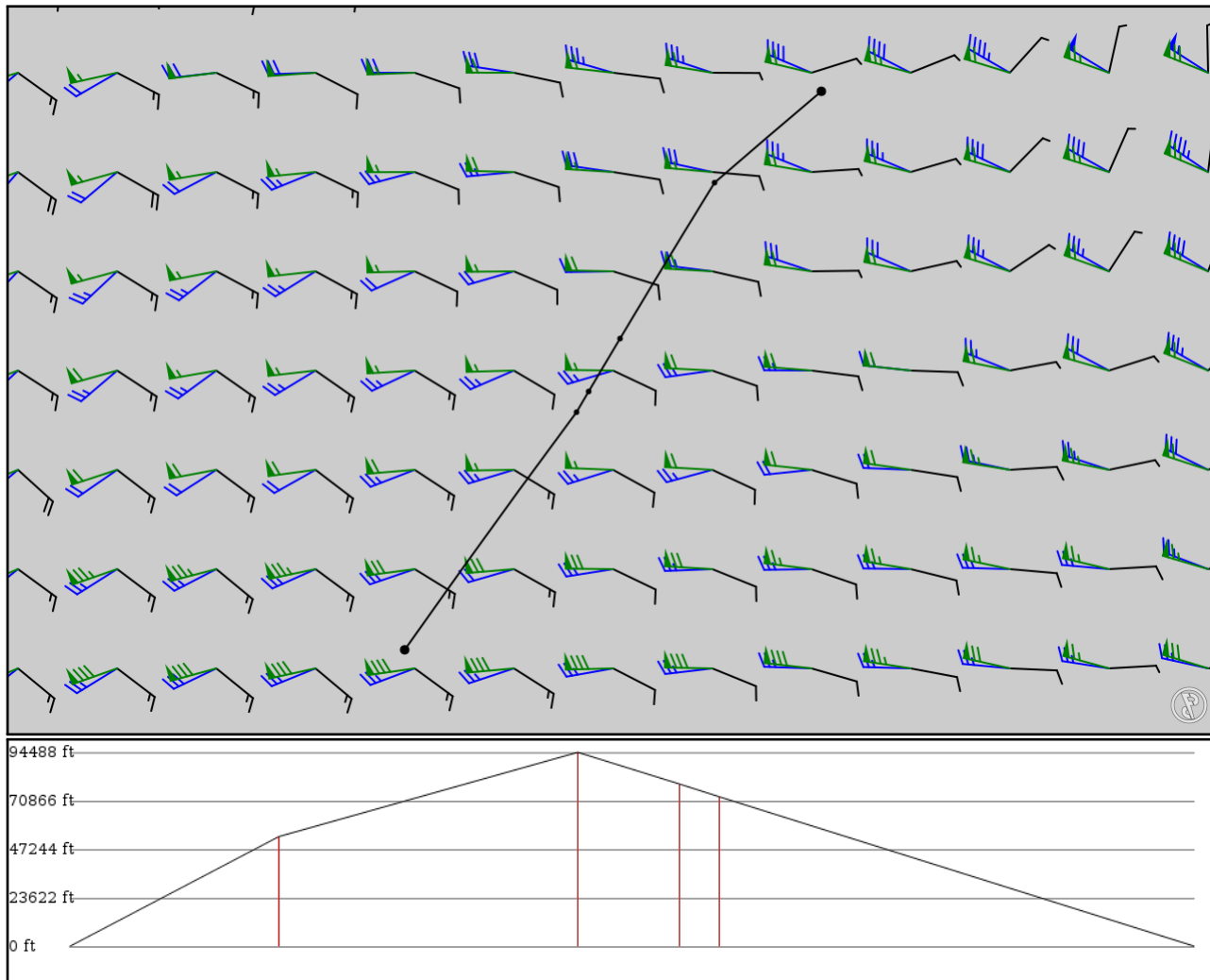
# KOMA

Eppley Airfield

2024/05/16 0033Z

KMSP HARPI J21 SIMJI KOMA

245.92 nm / 455.45 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes



## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KMSP APT	-	44.88190 -93.22200	0 ft 0 m	-	Minneapolis St Paul International
HARPI FIX	-	44.29630 -93.90700	16,300 ft 4,968 m	45	-
ONTIJ FIX	J21 AWY-HI	43.29760 -94.51290	28,800 ft 8,778 m	65	-
GOOLD FIX	J21 AWY-HI	42.95860 -94.71420	24,100 ft 7,346 m	22	-
SIMJI FIX	J21 AWY-HI	42.82600 -94.79200	22,200 ft 6,767 m	8	-
KOMA APT	-	41.30320 -95.89400	0 ft 0 m	103	Eppley Airfield

## KMSP

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 4

Elevation: 841 ft / 256 m  
Location: 44.881900 -93.222000  
Magnetic Var: 0.278 W

## METAR

KMSP 152353Z 13012KT 10SM SCT100 BKN150 OVC200 21/06 A2978 RMK A02 SLP084 T02110056 10228 20206 56014

## TAF

KMSP 152335Z 1600/1706 13010KT P6SM SCT070 BKN100 FM160300 16010KT 5SM -RA SCT027 OVC050 FM160800 16008KT P6SM OVC050

## Frequencies

DEP - 132.97 MHz - MINNEAPOLIS DEPARTURE	DEP - 125.75 MHz - MINNEAPOLIS DEPARTURE
DEP - 124.70 MHz - MINNEAPOLIS DEPARTURE	APP - 126.95 MHz - MINNEAPOLIS APPROACH
APP - 119.30 MHz - MINNEAPOLIS APPROACH	APP - 118.72 MHz - MINNEAPOLIS APPROACH
TWR - 126.70 MHz - MINNEAPOLIS TOWER	TWR - 123.95 MHz - MINNEAPOLIS TOWER
TWR - 123.67 MHz - MINNEAPOLIS TOWER	GND - 133.57 MHz - MINNEAPOLIS GROUND
GND - 127.92 MHz - MINNEAPOLIS GROUND	GND - 121.90 MHz - MINNEAPOLIS GROUND
GND - 121.80 MHz - MINNEAPOLIS GROUND	REC - 120.80 MHz - MINNEAPOLIS D-ATIS
REC - 135.35 MHz - MINNEAPOLIS D-ATIS	COM - 122.95 MHz - MINNEAPOLIS UNICOM
CLD - 133.20 MHz - MINNEAPOLIS CLEARANCE DELIVERY	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	150 ft	8,008 ft	169.56	CONCRETE	0 ft	397 ft
	46 m	2,441 m	169.83		0 m	121 m
35	150 ft	8,008 ft	349.56	CONCRETE	0 ft	394 ft
	46 m	2,441 m	349.84		0 m	120 m
12L	150 ft	8,190 ft	121.42	CONCRETE	0 ft	397 ft
	46 m	2,496 m	121.69		0 m	121 m
30R	150 ft	8,190 ft	301.44	CONCRETE	203 ft	394 ft
	46 m	2,496 m	301.71		62 m	120 m
12R	200 ft	9,985 ft	121.42	CONCRETE	0 ft	1,194 ft
	61 m	3,043 m	121.70		0 m	364 m
30L	200 ft	9,985 ft	301.44	CONCRETE	0 ft	781 ft
	61 m	3,043 m	301.72		0 m	238 m
04	150 ft	11,118 ft	44.90	CONCRETE	1,660 ft	0 ft
	46 m	3,389 m	45.18		506 m	0 m
22	150 ft	11,118 ft	224.92	CONCRETE	0 ft	410 ft
	46 m	3,389 m	225.20		0 m	125 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12L	DME	IPJL	110.70 MHz	18 nm	-	-	813 ft
				33 km	-		813 m
12R	DME	IHKZ	110.30 MHz	18 nm	-	-	841 ft
				33 km	-		841 m
17	DME	ITJZ	110.95 MHz	18 nm	-	-	822 ft
				33 km	-		822 m
30L	DME	IMSP	110.30 MHz	18 nm	-	-	841 ft
				33 km	-		841 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30R	DME	IINN	110.70 MHz	18 nm	-	-	813 ft
				33 km	-		813 m
35	DME	IBMA	110.95 MHz	18 nm	-	-	822 ft
				33 km	-		822 m
12L	LOC-ILS	IPJL	110.70 MHz	18 nm	121.43	-	841 ft
				33 km	121.71		841 m
12R	LOC-ILS	IHKZ	110.30 MHz	18 nm	121.44	-	841 ft
				33 km	121.72		841 m
30L	LOC-ILS	IMSP	110.30 MHz	18 nm	301.44	-	841 ft
				33 km	301.72		841 m
30R	LOC-ILS	IINN	110.70 MHz	18 nm	301.43	-	841 ft
				33 km	301.71		841 m
35	LOC-ILS	IBMA	110.95 MHz	18 nm	349.56	-	841 ft
				33 km	349.84		841 m
04	LOC-LOC	IAPL	109.30 MHz	18 nm	44.92	-	841 ft
				33 km	45.20		841 m
17	LOC-LOC	ITJZ	110.95 MHz	18 nm	169.56	-	841 ft
				33 km	169.84		841 m
22	LOC-LOC	ISIJ	110.50 MHz	18 nm	224.92	-	841 ft
				33 km	225.20		841 m
12L	GS	IPJL	110.70 MHz	10 nm	121.43	3.00	841 ft
				19 km	121.71		841 m
12R	GS	IHKZ	110.30 MHz	10 nm	121.44	3.00	841 ft
				19 km	121.72		841 m
30L	GS	IMSP	110.30 MHz	10 nm	301.44	3.00	841 ft
				19 km	301.72		841 m
30R	GS	IINN	110.70 MHz	10 nm	301.43	3.00	841 ft
				19 km	301.71		841 m
35	GS	IBMA	110.95 MHz	10 nm	349.56	3.00	841 ft
				19 km	349.84		841 m

## KOMA

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 3

Elevation: 983 ft / 300 m  
Location: 41.303200 -95.894000  
Magnetic Var: 1.920 E

## METAR

KOMA 152352Z 17012KT 10SM FEW050 BKN110 OVC150 17/16 A2981 RMK A02 SLP092 RAE05 TSE00 TS MOV NE P0001 60124 T01720

## TAF

KOMA 152329Z 1600/1624 18007KT P6SM SCT040 BKN070 FM160300 20004KT P6SM OVC070

## Frequencies

REC - 120.40 MHz - ATIS	COM - 122.95 MHz - UNICOM
CLD - 119.90 MHz - CLEARANCE DELIVERY	GND - 121.90 MHz - OMAHA GROUND
TWR - 132.10 MHz - OMAHA TOWER	APP - 120.10 MHz - OMAHA APPROACH WEST
APP - 124.50 MHz - OMAHA APPROACH EAST	TWR - 120.10 MHz - OMAHA DEPARTURE WEST
TWR - 124.50 MHz - OMAHA DEPARTURE EAST	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14R	151 ft	9,504 ft	144.49	CONCRETE	0 ft	210 ft
	46 m	2,897 m	142.57		0 m	64 m
32L	151 ft	9,504 ft	324.50	CONCRETE	0 ft	200 ft
	46 m	2,897 m	322.58		0 m	61 m
14L	150 ft	8,500 ft	144.49	CONCRETE	0 ft	200 ft
	46 m	2,591 m	142.57		0 m	61 m
32R	150 ft	8,500 ft	324.50	CONCRETE	0 ft	200 ft
	46 m	2,591 m	322.58		0 m	61 m
18	150 ft	8,166 ft	180.22	CONCRETE	141 ft	200 ft
	46 m	2,489 m	178.30		43 m	61 m
36	150 ft	8,166 ft	0.22	CONCRETE	0 ft	200 ft
	46 m	2,489 m	358.30		0 m	61 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
14L	DME	IRAY	111.75 MHz	18 nm	-	-	979 ft
				33 km	-		979 m
18	DME	IPPY	110.90 MHz	18 nm	-	-	978 ft
				33 km	-		978 m
32R	DME	IEDI	111.15 MHz	18 nm	-	-	983 ft
				33 km	-		983 m
36	DME	IOGN	110.70 MHz	18 nm	-	-	982 ft
				33 km	-		982 m
14L	LOC-ILS	IRAY	111.75 MHz	18 nm	144.50	-	983 ft
				33 km	142.58		983 m
14R	LOC-ILS	IOMA	110.30 MHz	18 nm	144.50	-	983 ft
				33 km	142.58		983 m
18	LOC-ILS	IPPY	110.90 MHz	18 nm	180.22	-	983 ft
				33 km	178.30		983 m
32L	LOC-ILS	IENF	111.90 MHz	18 nm	324.50	-	983 ft
				33 km	322.58		983 m
32R	LOC-ILS	IEDI	111.15 MHz	18 nm	324.50	-	983 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	322.58		983 m
36	LOC-ILS	IIGN	110.70 MHz	18 nm	0.22	-	983 ft
				33 km	358.30		983 m
14L	GS	IRAY	111.75 MHz	10 nm	144.50	3.00	983 ft
				19 km	142.58		983 m
14R	GS	IOMA	110.30 MHz	10 nm	144.50	3.00	983 ft
				19 km	142.58		983 m
18	GS	IPPY	110.90 MHz	10 nm	180.22	3.00	983 ft
				19 km	178.30		983 m
32L	GS	IENF	111.90 MHz	10 nm	324.50	3.00	983 ft
				19 km	322.58		983 m
32R	GS	IEDI	111.15 MHz	10 nm	324.50	3.00	983 ft
				19 km	322.58		983 m
36	GS	IIGN	110.70 MHz	10 nm	0.22	3.00	983 ft
				19 km	358.30		983 m