

# KRST

Rochester Intl

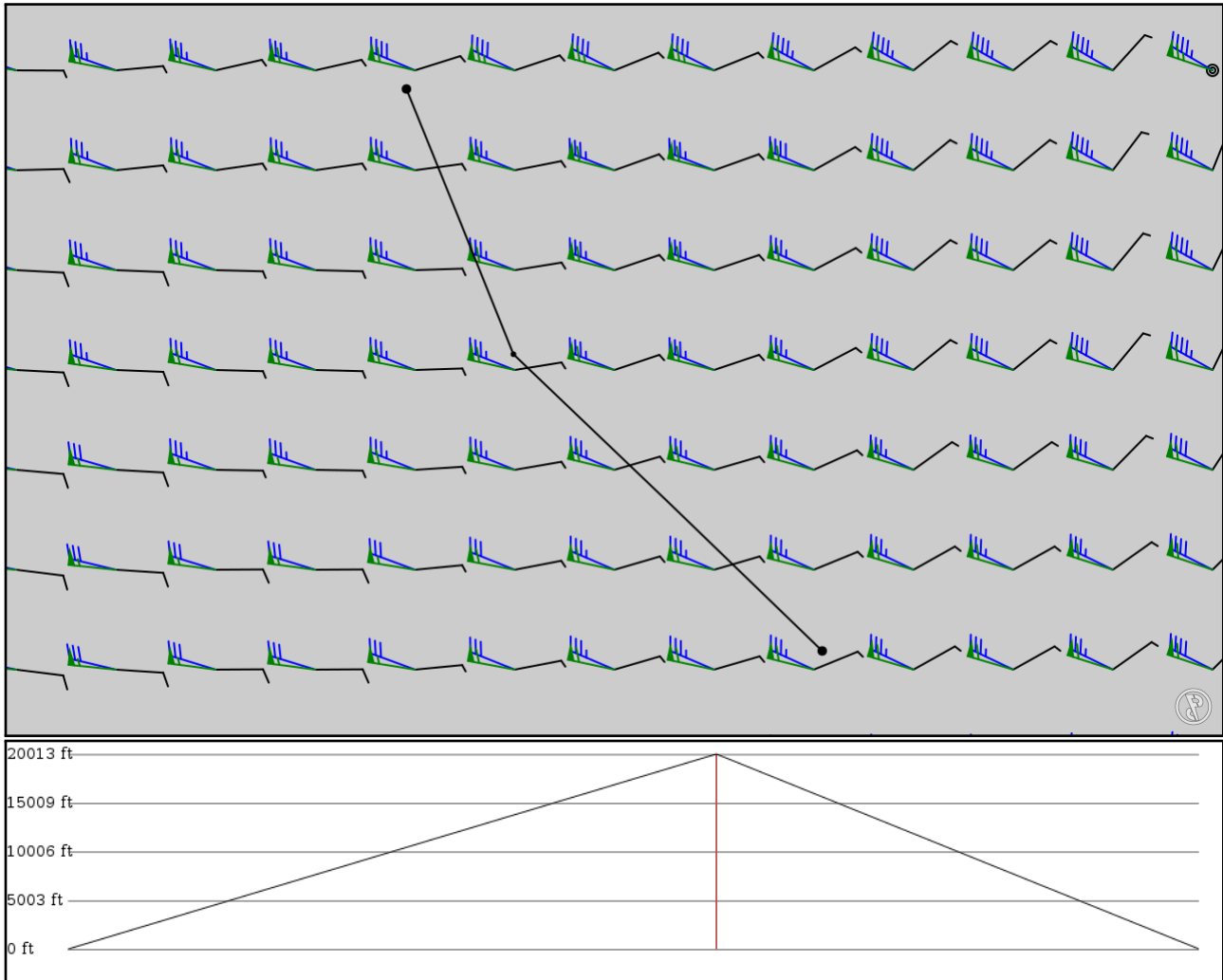
# KMSP

Minneapolis St Paul Intl

2024/05/28 0929Z

KRST FOBUG KMSP

67.30 nm / 124.64 km



## Notes

Basic altitude profile:

- Ascent Rate: 2000ft/min
- Ascent Speed: 280kts
- Cruise Altitude: 10000ft
- 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
KRST	-	43.90786	0 ft	-	Rochester Intl
APT	-	-92.50008	0 m		
FOBUG	-	44.42221	6,100 ft	38	-
FIX	-	-93.03629	1,859 m		
KMSP	-	44.88195	0 ft	28	Minneapolis St Paul Intl
APT	-	-93.22201	0 m		

## KRST

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 2

Elevation: 1,317 ft / 401 m  
Location: 43.907900 -92.500100  
Magnetic Var: 0.766 W

## METAR

KRST 280854Z 31007KT 9SM BKN005 BKN011 BKN020 12/11 A2995 RMK AO2 CIG 003V009 SLP146 T01170106 53006 \$

## TAF

TAF KRST 280520Z 2806/2906 29007KT P6SM SCT070 FM280900 31008KT P6SM BKN004 FM281200 30008KT P6SM BKN035 FM281500

## Frequencies

REC - 120.50 MHz - ATIS	COM - 118.30 MHz - CTAF
COM - 122.95 MHz - ROCHESTER UNICOM	GND - 121.90 MHz - ROCHESTER GROUND
TWR - 118.30 MHz - ROCHESTER TOWER	DEP - 119.20 MHz - ROCHESTER DEPARTURE
APP - 119.20 MHz - ROCHESTER APPROACH	DEP - 119.80 MHz - ROCHESTER DEPARTURE
APP - 119.80 MHz - ROCHESTER APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02	150 ft	7,308 ft	26.42	CONCRETE	0 ft	0 ft
	46 m	2,227 m	27.18		0 m	0 m
20	150 ft	7,308 ft	206.43	CONCRETE	0 ft	0 ft
	46 m	2,227 m	207.19		0 m	0 m
13	150 ft	9,043 ft	132.25	CONCRETE	0 ft	0 ft
	46 m	2,756 m	133.01		0 m	0 m
31	150 ft	9,043 ft	312.27	CONCRETE	0 ft	0 ft
	46 m	2,756 m	313.03		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13	LOC-ILS	IMNK	109.10 MHz	18 nm	132.26	-	1,317 ft
				33 km	133.03		1,317 m
31	LOC-ILS	IRST	108.50 MHz	18 nm	312.26	-	1,317 ft
				33 km	313.03		1,317 m
13	GS	IMNK	109.10 MHz	10 nm	132.26	3.00	1,317 ft
				19 km	133.03		1,317 m
31	GS	IRST	108.50 MHz	10 nm	312.26	3.00	1,317 ft
				19 km	313.03		1,317 m

## KMSP

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

Elevation: 841 ft / 256 m  
Location: 44.881900 -93.222000  
Magnetic Var: 0.280 W

## METAR

KMSP 280853Z 31006KT 10SM OVC048 12/11 A2997 RMK AO2 SLP149 T01220106 51010

## TAF

KMSP 280852Z 2809/2912 32005KT P6SM SCT020 BKN050 FM281200 33006KT P6SM BKN040 TEMPO 2812/2816 5SM -SHRA BR BKN030

## 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	169.84		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	121.70		0 m	121 m
30R	150 ft	8,190 ft	301.44	CONCRETE	203 ft	394 ft
	46 m	2,496 m	301.72		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