

KMSP

Minneapolis St Paul Intl

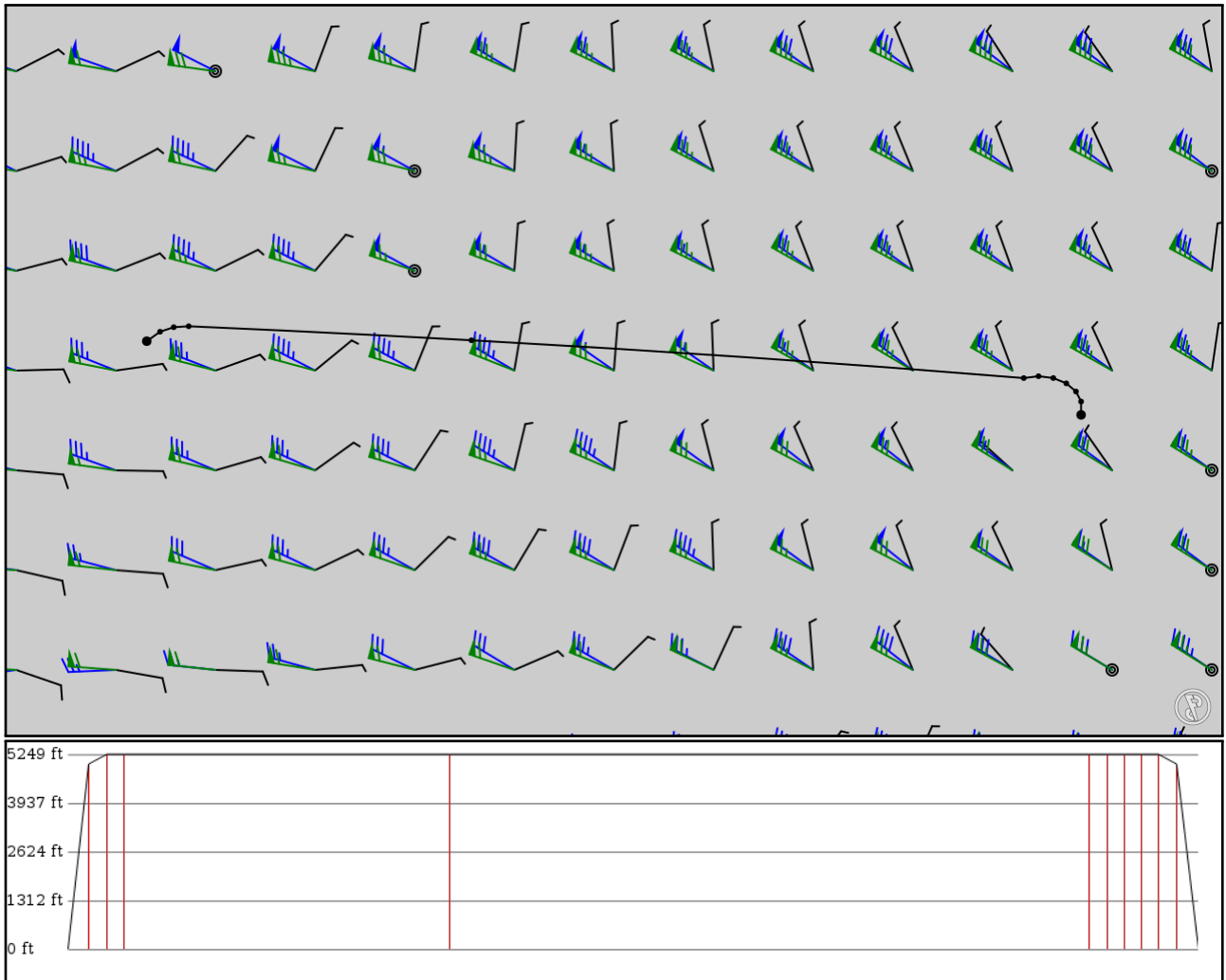
KGRB

Austin Straubel Intl

2024/05/06 1217Z

KMSP +44.94_-093.14 +44.97_-093.06 +44.97_-092.98 +44.90_-091.45 +44.69_-088.45 +44.70_-088.36
+44.69_-088.28 +44.66_-088.21 +44.62_-088.16 +44.57_-088.13 KGRB

226.90 nm / 420.22 km



Notes

Departing runway 4 KMSP. Arriving runway 17 KGRB.

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KMSP	-	44.89361	0 ft	-	-
APT	-	-93.20829	0 m		
+44.94_-093.14	-	44.94482	1,520 ft	4	-
LATLON	-	-93.13609	463 m		
+44.97_-093.06	-	44.96934	1,600 ft	3	-
LATLON	-	-93.06198	488 m		
+44.97_-092.98	-	44.97444	1,600 ft	3	-
LATLON	-	-92.98046	488 m		
+44.90_-091.45	-	44.89854	1,600 ft	65	-
LATLON	-	-91.44513	488 m		
+44.69_-088.45	-	44.69348	1,600 ft	128	-
LATLON	-	-88.44513	488 m		
+44.70_-088.36	-	44.70364	1,600 ft	3	-
LATLON	-	-88.36495	488 m		
+44.69_-088.28	-	44.69369	1,600 ft	3	-
LATLON	-	-88.28472	488 m		
+44.66_-088.21	-	44.66484	1,600 ft	3	-
LATLON	-	-88.21413	488 m		
+44.62_-088.16	-	44.62055	1,600 ft	3	-
LATLON	-	-88.16172	488 m		
+44.57_-088.13	-	44.56618	1,520 ft	3	-
LATLON	-	-88.13380	463 m		
KGRB	-	44.49382	0 ft	4	Austin Straubel Intl
APT	-	-88.13366	0 m		

KMSP

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

Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.276 W

METAR

KMSP 061153Z 12007KT 10SM BKN250 12/06 A2994 RMK AO2 SLP139 T01170061 10128 20106 55010

TAF

TAF KMSP 061120Z 0612/0718 13006KT P6SM FEW250 FM061400 14012G18KT P6SM FEW250 FM062000 12019G30KT P6SM BKN100 FM

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

KGRB

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

Elevation: 695 ft / 212 m
Location: 44.484800 -88.129500
Magnetic Var: 4.271 W

METAR

KGRB 061153Z 36004KT 10SM CLR 09/06 A3007 RMK A02 SLP182 T00940056 10100 20056 53007

TAF

KGRB 061134Z 0612/0712 VRB04KT P6SM FEW250 FM061500 11007KT P6SM FEW250 FM061800 12009G15KT P6SM FEW050 FEW250 FM

Frequencies

REC - 124.10 MHz - ATIS	COM - 118.70 MHz - CTAF
CLD - 121.75 MHz - CLEARANCE DELIVERY	GND - 121.90 MHz - GREEN BAY GROUND
TWR - 118.70 MHz - GREEN BAY TOWER	APP - 119.40 MHz - GREEN BAY APPROACH
DEP - 126.55 MHz - GREEN BAY DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18	150 ft	8,708 ft	179.93	CONCRETE	499 ft	0 ft
	46 m	2,654 m	184.20		152 m	0 m
36	150 ft	8,708 ft	359.93	CONCRETE	0 ft	0 ft
	46 m	2,654 m	4.20		0 m	0 m
06	150 ft	7,707 ft	59.83	CONCRETE	0 ft	0 ft
	46 m	2,349 m	64.10		0 m	0 m
24	150 ft	7,707 ft	239.84	CONCRETE	0 ft	0 ft
	46 m	2,349 m	244.12		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	DME	IGRB	109.50 MHz	18 nm	-	-	698 ft
				33 km	-		698 m
06	LOC-ILS	IGRB	109.50 MHz	18 nm	59.84	-	695 ft
				33 km	64.11		695 m
36	LOC-ILS	ISGZ	109.90 MHz	18 nm	359.93	-	695 ft
				33 km	4.20		695 m
06	GS	IGRB	109.50 MHz	10 nm	59.84	3.00	695 ft
				19 km	64.11		695 m
36	GS	ISGZ	109.90 MHz	10 nm	359.93	3.00	695 ft
				19 km	4.20		695 m