KMSP

Minneapolis-St Paul International Airport

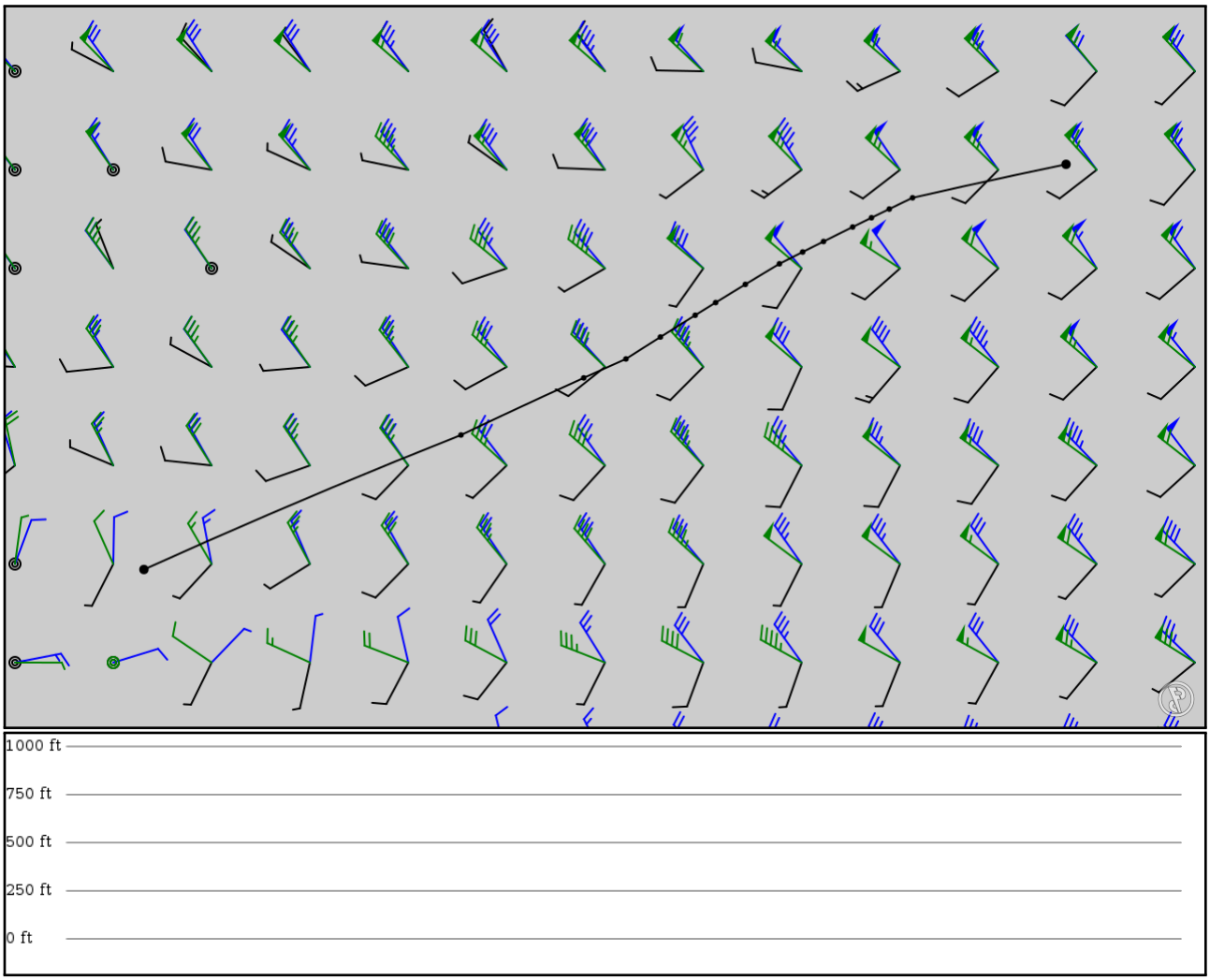
KDEN

Denver Intl

2024/03/19 0755Z

KMSP RWF **V148** ONL **J114** YANKI KDEN

594.13 nm / 1100.32 km



Notes

Requested: KMSP RWF V148 ONL J114 YANKI KDEN

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KMSP APT	– –	44.88190 -93.22200	0 ft 0 m	–	Minneapolis-St Paul International Airport
RWF VOR	– –	44.46730 -95.12820	0 ft 0 m	85	REDWOOD FALLS
PILIY FIX	V148 AWY-LO	44.32760 -95.41740	0 ft 0 m	14	–
ZERAD FIX	V148 AWY-LO	44.22000 -95.63820	0 ft 0 m	11	–
POGSE FIX	V148 AWY-LO	44.10510 -95.87190	0 ft 0 m	12	–
POEMS FIX	V148 AWY-LO	43.92570 -96.23350	0 ft 0 m	18	–
SECTO FIX	V148 AWY-LO	43.79560 -96.49270	0 ft 0 m	13	–
FSD VOR	V148 AWY-LO	43.64950 -96.78110	0 ft 0 m	15	SIOUX FALLS
DOLTS FIX	V148 AWY-LO	43.39430 -97.20450	0 ft 0 m	23	–
PUKIC FIX	V148 AWY-LO	43.16890 -97.57320	0 ft 0 m	21	–
TYNDA FIX	V148 AWY-LO	43.01200 -97.82710	0 ft 0 m	14	–
CURIR FIX	V148 AWY-LO	42.74210 -98.25890	0 ft 0 m	24	–
ONL VOR	V148 AWY-LO	42.47050 -98.68690	0 ft 0 m	24	O’NEILL
NARLY FIX	J114 AWY-HI	42.23530 -99.21100	0 ft 0 m	27	–
YANKI FIX	J114 AWY-HI	41.52750 -100.73500	0 ft 0 m	80	–
KDEN APT	– –	39.86100 -104.67200	0 ft 0 m	205	Denver Intl

KMSP

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 4
Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.266 W

METAR

KMSP 190653Z 23012G25KT 10SM CLR 02/M14 A2969 RMK AO2 PK WND 24026/0616 SLP063 T00221139

TAF

KMSP 190533Z 1906/2012 23016G26KT P6SM SCT250 WS020/24045KT FM190800 26012G20KT P6SM FEW250 FM191100 30015G24KT P

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 46 m	8,008 ft 2,441 m	169.56 169.82	CONCRETE	0 ft 0 m	397 ft 121 m
35	150 ft 46 m	8,008 ft 2,441 m	349.56 349.83	CONCRETE	0 ft 0 m	394 ft 120 m
12L	150 ft 46 m	8,190 ft 2,496 m	121.42 121.68	CONCRETE	0 ft 0 m	397 ft 121 m
30R	150 ft 46 m	8,190 ft 2,496 m	301.44 301.70	CONCRETE	203 ft 62 m	394 ft 120 m
12R	200 ft 61 m	9,985 ft 3,043 m	121.42 121.69	CONCRETE	0 ft 0 m	1,194 ft 364 m
30L	200 ft 61 m	9,985 ft 3,043 m	301.44 301.71	CONCRETE	0 ft 0 m	781 ft 238 m
04	150 ft 46 m	11,118 ft 3,389 m	44.90 45.17	CONCRETE	1,660 ft 506 m	0 ft 0 m
22	150 ft 46 m	11,118 ft 3,389 m	224.92 225.19	CONCRETE	0 ft 0 m	410 ft 125 m

Approach Navaids

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

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30R	DME	IINN	110.70 MHz	18 nm	– –	–	813 ft 813 m
35	DME	IBMA	110.95 MHz	18 nm 33 km	– –	–	822 ft 822 m
12L	LOC-ILS	IPJL	110.70 MHz	18 nm 33 km	121.43 121.70	–	841 ft 841 m
12R	LOC-ILS	IHKZ	110.30 MHz	18 nm 33 km	121.44 121.71	–	841 ft 841 m
30L	LOC-ILS	IMSP	110.30 MHz	18 nm 33 km	301.44 301.71	–	841 ft 841 m
30R	LOC-ILS	IINN	110.70 MHz	18 nm 33 km	301.43 301.70	–	841 ft 841 m
35	LOC-ILS	IBMA	110.95 MHz	18 nm 33 km	349.56 349.83	–	841 ft 841 m
04	LOC-LOC	IAPL	109.30 MHz	18 nm 33 km	44.92 45.19	–	841 ft 841 m
17	LOC-LOC	ITJZ	110.95 MHz	18 nm 33 km	169.56 169.83	–	841 ft 841 m
22	LOC-LOC	ISIJ	110.50 MHz	18 nm 33 km	224.92 225.19	–	841 ft 841 m
12L	GS	IPJL	110.70 MHz	10 nm 19 km	121.43 121.70	3.00	841 ft 841 m
12R	GS	IHKZ	110.30 MHz	10 nm 19 km	121.44 121.71	3.00	841 ft 841 m
30L	GS	IMSP	110.30 MHz	10 nm 19 km	301.44 301.71	3.00	841 ft 841 m
30R	GS	IINN	110.70 MHz	10 nm 19 km	301.43 301.70	3.00	841 ft 841 m
35	GS	IBMA	110.95 MHz	10 nm 19 km	349.56 349.83	3.00	841 ft 841 m

KDEN

Region: UNITED STATES
Timezone: AMERICA/DENVER
Runways: 6

Elevation: 5,429 ft / 1,655 m
Location: 39.861000 -104.672000
Magnetic Var: 7.409 E

METAR

KDEN 190653Z 22011KT 10SM CLR 04/M06 A3011 RMK AO2 SLP169 T00441056 401501044

TAF

TAF KDEN 190531Z 1906/2012 21011KT P6SM SKC FM191500 VRB06KT P6SM SKC FM191900 09007KT P6SM FEW080 FM200200 21010K

Frequencies

REC - 134.02 MHz - D-ATIS
CLD - 118.75 MHz - CLEARANCE DELIVERY
GND - 127.50 MHz - DENVER GROUND
TWR - 133.30 MHz - DENVER TOWER
TWR - 135.30 MHz - DENVER TOWER
APP - 120.35 MHz - DENVER APPROACH
DEP - 127.05 MHz - DENVER DEPARTURE
DEP - 128.45 MHz - DENVER DEPARTURE

COM - 122.95 MHz - UNICOM
GND - 121.85 MHz - DENVER GROUND
TWR - 132.35 MHz - DENVER TOWER
TWR - 128.75 MHz - DENVER TOWER
APP - 119.30 MHz - DENVER APPROACH
DEP - 126.10 MHz - DENVER DEPARTURE
DEP - 128.25 MHz - DENVER DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16R	200 ft 61 m	16,016 ft 4,882 m	180.50 173.09	CONCRETE	0 ft 0 m	410 ft 125 m
34L	200 ft 61 m	16,016 ft 4,882 m	0.50 353.09	CONCRETE	0 ft 0 m	410 ft 125 m
16L	151 ft 46 m	12,013 ft 3,662 m	180.51 173.10	CONCRETE	0 ft 0 m	413 ft 126 m
34R	151 ft 46 m	12,013 ft 3,662 m	0.51 353.10	CONCRETE	0 ft 0 m	394 ft 120 m
17R	151 ft 46 m	12,013 ft 3,662 m	180.53 173.12	CONCRETE	0 ft 0 m	413 ft 126 m
35L	151 ft 46 m	12,013 ft 3,662 m	0.53 353.12	CONCRETE	0 ft 0 m	400 ft 122 m
17L	151 ft 46 m	12,013 ft 3,662 m	180.54 173.13	CONCRETE	0 ft 0 m	404 ft 123 m
35R	151 ft 46 m	12,013 ft 3,662 m	0.54 353.13	CONCRETE	0 ft 0 m	400 ft 122 m
07	151 ft 46 m	12,013 ft 3,662 m	90.50 83.09	CONCRETE	0 ft 0 m	377 ft 115 m
25	151 ft 46 m	12,013 ft 3,662 m	270.52 263.11	CONCRETE	0 ft 0 m	374 ft 114 m
08	151 ft 46 m	12,013 ft 3,662 m	90.54 83.13	CONCRETE	0 ft 0 m	367 ft 112 m
26	151 ft 46 m	12,013 ft 3,662 m	270.56 263.16	CONCRETE	0 ft 0 m	400 ft 122 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	DME	IDZG	111.55 MHz	18 nm 33 km	- -	-	5,352 ft 5,352 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08	DME	IFUI	108.90 MHz	18 nm 33 km	– –	–	5,345 ft 5,345 m
16L	DME	ILTT	111.10 MHz	18 nm 33 km	– –	–	5,347 ft 5,347 m
16R	DME	IDQQ	111.90 MHz	18 nm 33 km	– –	–	5,311 ft 5,311 m
17L	DME	IBXP	110.15 MHz	18 nm 33 km	– –	–	5,328 ft 5,328 m
17R	DME	IACX	108.50 MHz	18 nm 33 km	– –	–	5,390 ft 5,390 m
25	DME	IERP	111.55 MHz	18 nm 33 km	– –	–	5,352 ft 5,352 m
26	DME	IJOY	108.90 MHz	18 nm 33 km	– –	–	5,300 ft 5,300 m
34L	DME	IDXU	111.90 MHz	18 nm 33 km	– –	–	5,311 ft 5,311 m
34R	DME	IOUF	111.10 MHz	18 nm 33 km	– –	–	5,349 ft 5,349 m
35L	DME	IAQD	108.50 MHz	18 nm 33 km	– –	–	5,421 ft 5,421 m
35R	DME	IDPP	110.15 MHz	18 nm 33 km	– –	–	5,360 ft 5,360 m
07	LOC-ILS	IDZG	111.55 MHz	18 nm 33 km	90.51 83.10	–	5,431 ft 5,431 m
08	LOC-ILS	IFUI	108.90 MHz	18 nm 33 km	90.55 83.14	–	5,431 ft 5,431 m
16L	LOC-ILS	ILTT	111.10 MHz	18 nm 33 km	180.51 173.10	–	5,431 ft 5,431 m
16R	LOC-ILS	IDQQ	111.90 MHz	18 nm 33 km	180.50 173.09	–	5,431 ft 5,431 m
17L	LOC-ILS	IBXP	110.15 MHz	18 nm 33 km	180.53 173.12	–	5,431 ft 5,431 m
17R	LOC-ILS	IACX	108.50 MHz	18 nm 33 km	180.53 173.12	–	5,431 ft 5,431 m
25	LOC-ILS	IERP	111.55 MHz	18 nm 33 km	270.51 263.10	–	5,431 ft 5,431 m
26	LOC-ILS	IJOY	108.90 MHz	18 nm 33 km	270.55 263.14	–	5,431 ft 5,431 m
34L	LOC-ILS	IDXU	111.90 MHz	18 nm 33 km	0.50 353.09	–	5,431 ft 5,431 m
34R	LOC-ILS	IOUF	111.10 MHz	18 nm 33 km	0.51 353.10	–	5,431 ft 5,431 m
35L	LOC-ILS	IAQD	108.50 MHz	18 nm 33 km	0.53 353.12	–	5,431 ft 5,431 m
35R	LOC-ILS	IDPP	110.15 MHz	18 nm 33 km	0.53 353.12	–	5,431 ft 5,431 m
07	GS	IDZG	111.55 MHz	10 nm 19 km	90.51 83.10	3.00	5,431 ft 5,431 m
08	GS	IFUI	108.90 MHz	10 nm 19 km	90.55 83.14	3.00	5,431 ft 5,431 m
16L	GS	ILTT	111.10 MHz	10 nm 19 km	180.51 173.10	3.00	5,431 ft 5,431 m
16R	GS	IDQQ	111.90 MHz	10 nm 19 km	180.50 173.09	3.00	5,431 ft 5,431 m
17L	GS	IBXP	110.15 MHz	10 nm 19 km	180.53 173.12	3.00	5,431 ft 5,431 m
17R	GS	IACX	108.50 MHz	10 nm 19 km	180.53 173.12	3.00	5,431 ft 5,431 m
25	GS	IERP	111.55 MHz	10 nm 19 km	270.51 263.10	3.00	5,431 ft 5,431 m
26	GS	IJOY	108.90 MHz	10 nm	270.55	3.00	5,431 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				19 km	263.14		5,431 m
34L	GS	IDXU	111.90 MHz	10 nm	0.50	3.00	5,431 ft
				19 km	353.09		5,431 m
34R	GS	IOUF	111.10 MHz	10 nm	0.51	3.00	5,431 ft
				19 km	353.10		5,431 m
35L	GS	IAQD	108.50 MHz	10 nm	0.53	3.00	5,431 ft
				19 km	353.12		5,431 m
35R	GS	IDPP	110.15 MHz	10 nm	0.53	3.00	5,431 ft
				19 km	353.12		5,431 m