

KDEN

Denver Intl

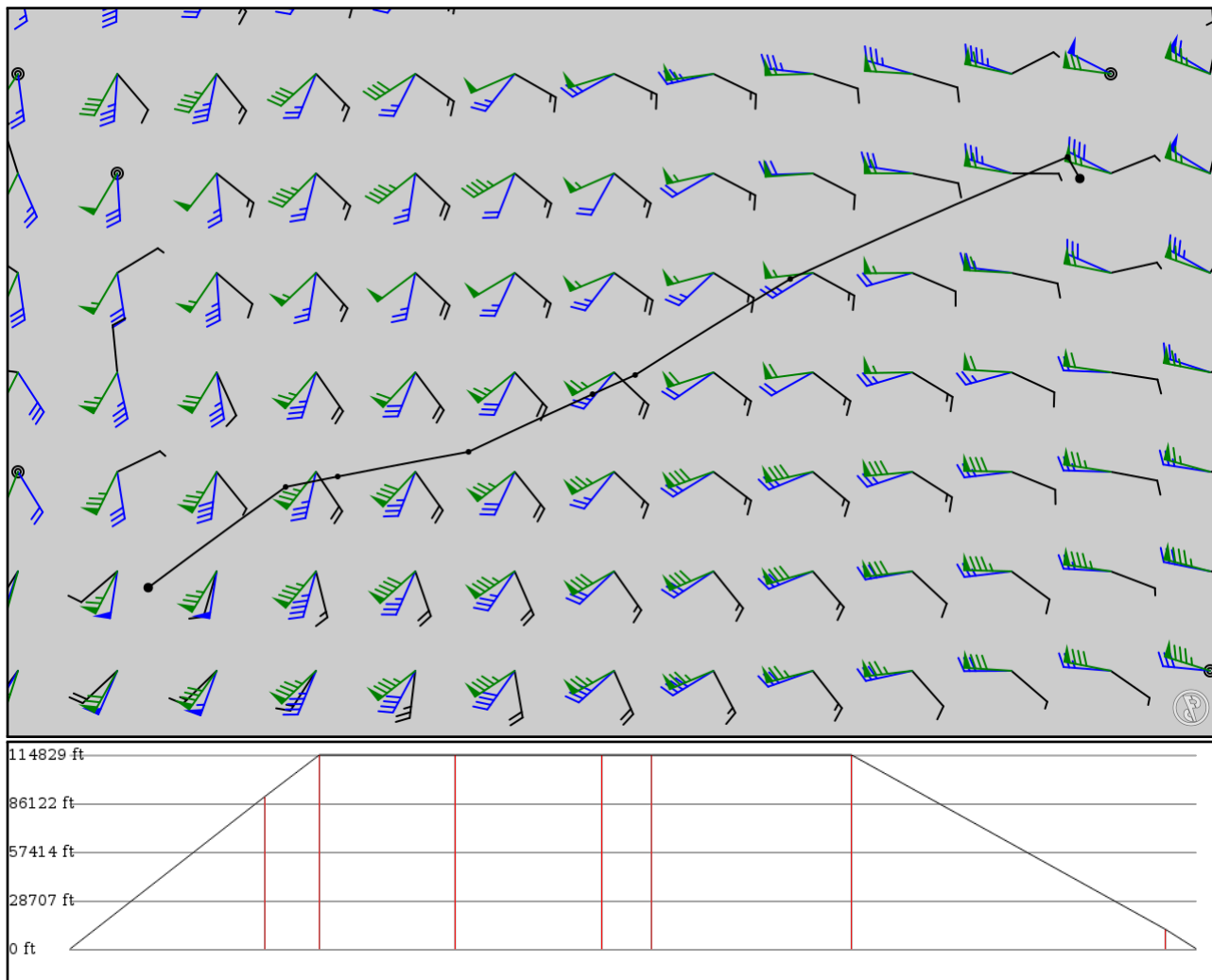
KMSP

Minneapolis-St Paul International Airport

2024/05/03 0923Z

KDEN SNY **J114** GEP KMSP

617.52 nm / 1143.64 km



Notes

Basic altitude profile:

- Ascent Rate: 1800ft/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: no
- Use high airways: yes

Route

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
KDEN	-	39.86100	0 ft	-	Denver Intl	
APT	-	-104.67200	0 m			
SNY	-	41.09670	27,500 ft	107	SIDNEY	
VOR	-	-102.98300	8,382 m			
BENNZ	J114	41.22440	35,000 ft	29	-	
FIX	AWY-HI	-102.34300	10,668 m			
YANKI	J114	41.52750	35,000 ft	74	-	
FIX	AWY-HI	-100.73500	10,668 m			
NARLY	J114	42.23530	35,000 ft	80	-	
FIX	AWY-HI	-99.21100	10,668 m			
ONL	J114	42.47050	35,000 ft	27	O'NEILL	
VOR	AWY-HI	-98.68690	10,668 m			
FSD	J114	43.64950	35,000 ft	109	SIOUX FALLS	
VOR	AWY-HI	-96.78110	10,668 m			
GEP	J114	45.14570	3,600 ft	171	GOPHER (MINNEAPOLIS)	
VOR	AWY-HI	-93.37320	1,097 m			
KMSP	-	44.88190	0 ft	17	Minneapolis-St Paul International Airport	
APT	-	-93.22200	0 m			

KDEN

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

Elevation: 5,429 ft / 1,655 m
Location: 39.861000 -104.672000
Magnetic Var: 7.396 E

METAR

KDEN 030853Z 15008KT 10SM BKN120 BKN220 07/00 A2994 RMK A02 SLP099 T00670000 58006

TAF

KDEN 030815Z 0308/0412 15012KT P6SM SCT120 BKN200 FM031100 19015G22KT P6SM SCT140 FM031700 23018G28KT P6SM FEW090

Frequencies

REC - 134.02 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 118.75 MHz - CLEARANCE DELIVERY	GND - 121.85 MHz - DENVER GROUND
GND - 127.50 MHz - DENVER GROUND	TWR - 132.35 MHz - DENVER TOWER
TWR - 133.30 MHz - DENVER TOWER	TWR - 128.75 MHz - DENVER TOWER
TWR - 135.30 MHz - DENVER TOWER	APP - 119.30 MHz - DENVER APPROACH
APP - 120.35 MHz - DENVER APPROACH	DEP - 126.10 MHz - DENVER DEPARTURE
DEP - 127.05 MHz - DENVER DEPARTURE	DEP - 128.25 MHz - DENVER DEPARTURE
DEP - 128.45 MHz - DENVER DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16R	200 ft	16,016 ft	180.50	CONCRETE	0 ft	410 ft
	61 m	4,882 m	173.10		0 m	125 m
34L	200 ft	16,016 ft	0.50	CONCRETE	0 ft	410 ft
	61 m	4,882 m	353.10		0 m	125 m
16L	151 ft	12,013 ft	180.51	CONCRETE	0 ft	413 ft
	46 m	3,662 m	173.12		0 m	126 m
34R	151 ft	12,013 ft	0.51	CONCRETE	0 ft	394 ft
	46 m	3,662 m	353.11		0 m	120 m
17R	151 ft	12,013 ft	180.53	CONCRETE	0 ft	413 ft
	46 m	3,662 m	173.13		0 m	126 m
35L	151 ft	12,013 ft	0.53	CONCRETE	0 ft	400 ft
	46 m	3,662 m	353.13		0 m	122 m
17L	151 ft	12,013 ft	180.54	CONCRETE	0 ft	404 ft
	46 m	3,662 m	173.15		0 m	123 m
35R	151 ft	12,013 ft	0.54	CONCRETE	0 ft	400 ft
	46 m	3,662 m	353.15		0 m	122 m
07	151 ft	12,013 ft	90.50	CONCRETE	0 ft	377 ft
	46 m	3,662 m	83.10		0 m	115 m
25	151 ft	12,013 ft	270.52	CONCRETE	0 ft	374 ft
	46 m	3,662 m	263.13		0 m	114 m
08	151 ft	12,013 ft	90.54	CONCRETE	0 ft	367 ft
	46 m	3,662 m	83.14		0 m	112 m
26	151 ft	12,013 ft	270.56	CONCRETE	0 ft	400 ft
	46 m	3,662 m	263.17		0 m	122 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	DME	IDZG	111.55 MHz	18 nm	-	-	5,352 ft
				33 km	-		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 83.11	-	5,431 ft 5,431 m
08	LOC-ILS	IFUI	108.90 MHz	18 nm 33 km	90.55 83.15	-	5,431 ft 5,431 m
16L	LOC-ILS	ILTT	111.10 MHz	18 nm 33 km	180.51 173.11	-	5,431 ft 5,431 m
16R	LOC-ILS	IDQQ	111.90 MHz	18 nm 33 km	180.50 173.10	-	5,431 ft 5,431 m
17L	LOC-ILS	IBXP	110.15 MHz	18 nm 33 km	180.53 173.13	-	5,431 ft 5,431 m
17R	LOC-ILS	IACX	108.50 MHz	18 nm 33 km	180.53 173.13	-	5,431 ft 5,431 m
25	LOC-ILS	IERP	111.55 MHz	18 nm 33 km	270.51 263.11	-	5,431 ft 5,431 m
26	LOC-ILS	IJOY	108.90 MHz	18 nm 33 km	270.55 263.15	-	5,431 ft 5,431 m
34L	LOC-ILS	IDXU	111.90 MHz	18 nm 33 km	0.50 353.10	-	5,431 ft 5,431 m
34R	LOC-ILS	IOUF	111.10 MHz	18 nm 33 km	0.51 353.11	-	5,431 ft 5,431 m
35L	LOC-ILS	IAQD	108.50 MHz	18 nm 33 km	0.53 353.13	-	5,431 ft 5,431 m
35R	LOC-ILS	IDPP	110.15 MHz	18 nm 33 km	0.53 353.13	-	5,431 ft 5,431 m
07	GS	IDZG	111.55 MHz	10 nm 19 km	90.51 83.11	3.00	5,431 ft 5,431 m
08	GS	IFUI	108.90 MHz	10 nm 19 km	90.55 83.15	3.00	5,431 ft 5,431 m
16L	GS	ILTT	111.10 MHz	10 nm 19 km	180.51 173.11	3.00	5,431 ft 5,431 m
16R	GS	IDQQ	111.90 MHz	10 nm 19 km	180.50 173.10	3.00	5,431 ft 5,431 m
17L	GS	IBXP	110.15 MHz	10 nm 19 km	180.53 173.13	3.00	5,431 ft 5,431 m
17R	GS	IACX	108.50 MHz	10 nm 19 km	180.53 173.13	3.00	5,431 ft 5,431 m
25	GS	IERP	111.55 MHz	10 nm 19 km	270.51 263.11	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	263.15		5,431 m
34L	GS	IDXU	111.90 MHz	10 nm	0.50	3.00	5,431 ft
				19 km	353.10		5,431 m
34R	GS	IOUF	111.10 MHz	10 nm	0.51	3.00	5,431 ft
				19 km	353.11		5,431 m
35L	GS	IAQD	108.50 MHz	10 nm	0.53	3.00	5,431 ft
				19 km	353.13		5,431 m
35R	GS	IDPP	110.15 MHz	10 nm	0.53	3.00	5,431 ft
				19 km	353.13		5,431 m

KMSP

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

Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.275 W

METAR

KMSP 030853Z 19003KT 6SM BR CLR 08/06 A2989 RMK A02 SLP123 T00830061 50003

TAF

KMSP 030833Z 0309/0412 22006KT P6SM SKC FM031500 25011G18KT P6SM SKC FM040000 22009KT P6SM BKN100 FM040900 29005K

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