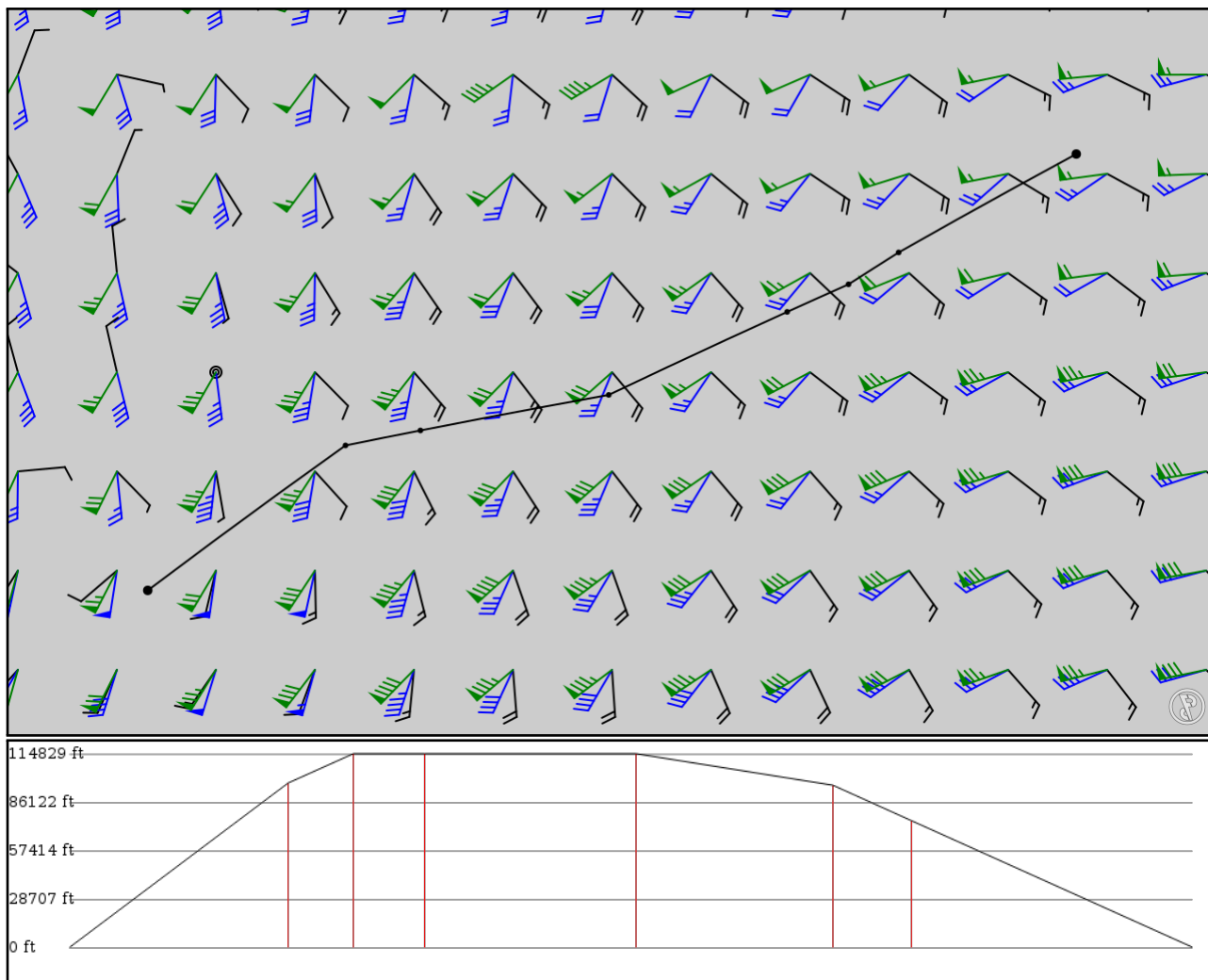


2024/05/05 0044Z

KFSD CURIR **V148** ONL **J114** SNY KDEN

427.61 nm / 791.93 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
KFSD	-	43.58100	0 ft	-	JOE FOSS FLD
APT	-	-96.74180	0 m		
CURIR	-	42.74210	29,700 ft	83	-
FIX	-	-98.25890	9,053 m		
ONL	V148	42.47050	35,000 ft	24	O'NEILL
VOR	AWY-LO	-98.68690	10,668 m		
NARLY	J114	42.23530	35,000 ft	27	-
FIX	AWY-HI	-99.21100	10,668 m		
YANKI	J114	41.52750	35,000 ft	80	-
FIX	AWY-HI	-100.73500	10,668 m		
BENNZ	J114	41.22440	29,300 ft	74	-
FIX	AWY-HI	-102.34300	8,931 m		
SNY	J114	41.09670	22,900 ft	29	SIDNEY
VOR	AWY-HI	-102.98300	6,980 m		
KDEN	-	39.86100	0 ft	107	Denver Intl
APT	-	-104.67200	0 m		

KFSD

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

Elevation: 1,427 ft / 435 m
Location: 43.581000 -96.741800
Magnetic Var: 2.480 E

METAR

KFSD 042356Z 36007KT 10SM SCT060 16/03 A3005 RMK A02 SLP180 T01610028 10178 20144 55002

TAF

TAF KFSD 042320Z 0500/0524 32008KT P6SM SCT060 FM050200 VRB03KT P6SM SKC FM051400 16005KT P6SM SKC FM051600 17009KT

Frequencies

REC - 126.60 MHz - ATIS
COM - 122.95 MHz - UNICOM
TWR - 118.30 MHz - SIOUX FALLS TWR
COM - 118.30 MHz - CTAF
GND - 121.90 MHz - SIOUX FALLS GND
APP - 125.80 MHz - SIOUX FALLS APP/DEP

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03	150 ft	9,008 ft	34.80	CONCRETE	0 ft	0 ft
	46 m	2,746 m	32.32		0 m	0 m
21	150 ft	9,008 ft	214.81	CONCRETE	0 ft	0 ft
	46 m	2,746 m	212.33		0 m	0 m
15	150 ft	8,003 ft	155.00	ASPHALT	0 ft	0 ft
	46 m	2,439 m	152.52		0 m	0 m
33	150 ft	8,003 ft	335.01	ASPHALT	0 ft	151 ft
	46 m	2,439 m	332.53		0 m	46 m
09	75 ft	3,145 ft	103.22	CONCRETE	0 ft	0 ft
	23 m	959 m	100.74		0 m	0 m
27	75 ft	3,145 ft	283.23	CONCRETE	0 ft	0 ft
	23 m	959 m	280.75		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03	LOC-ILS	IFSD	109.90 MHz	18 nm	34.81	-	1,427 ft
				33 km	32.33		1,427 m
21	LOC-ILS	IJOU	111.10 MHz	18 nm	214.81	-	1,427 ft
				33 km	212.33		1,427 m
03	GS	IFSD	109.90 MHz	10 nm	34.81	3.00	1,427 ft
				19 km	32.33		1,427 m
21	GS	IJOU	111.10 MHz	10 nm	214.81	3.00	1,427 ft
				19 km	212.33		1,427 m

KDEN

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

Elevation: 5,429 ft / 1,655 m
Location: 39.861000 -104.672000
Magnetic Var: 7.395 E

METAR

KDEN 042353Z 14016KT 10SM FEW100 FEW140 FEW220 16/00 A2994 RMK AO2 SLP112 VIRGA SW T01610000 10178 20117 56015

TAF

KDEN 042342Z 0500/0606 15014G22KT P6SM FEW100 BKN140 FM050300 20014G22KT P6SM SCT140 FM051800 17014G24KT P6SM FEW

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	353.12		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