

EDDM

Muenchen International Airport Franz-Josef Strauss

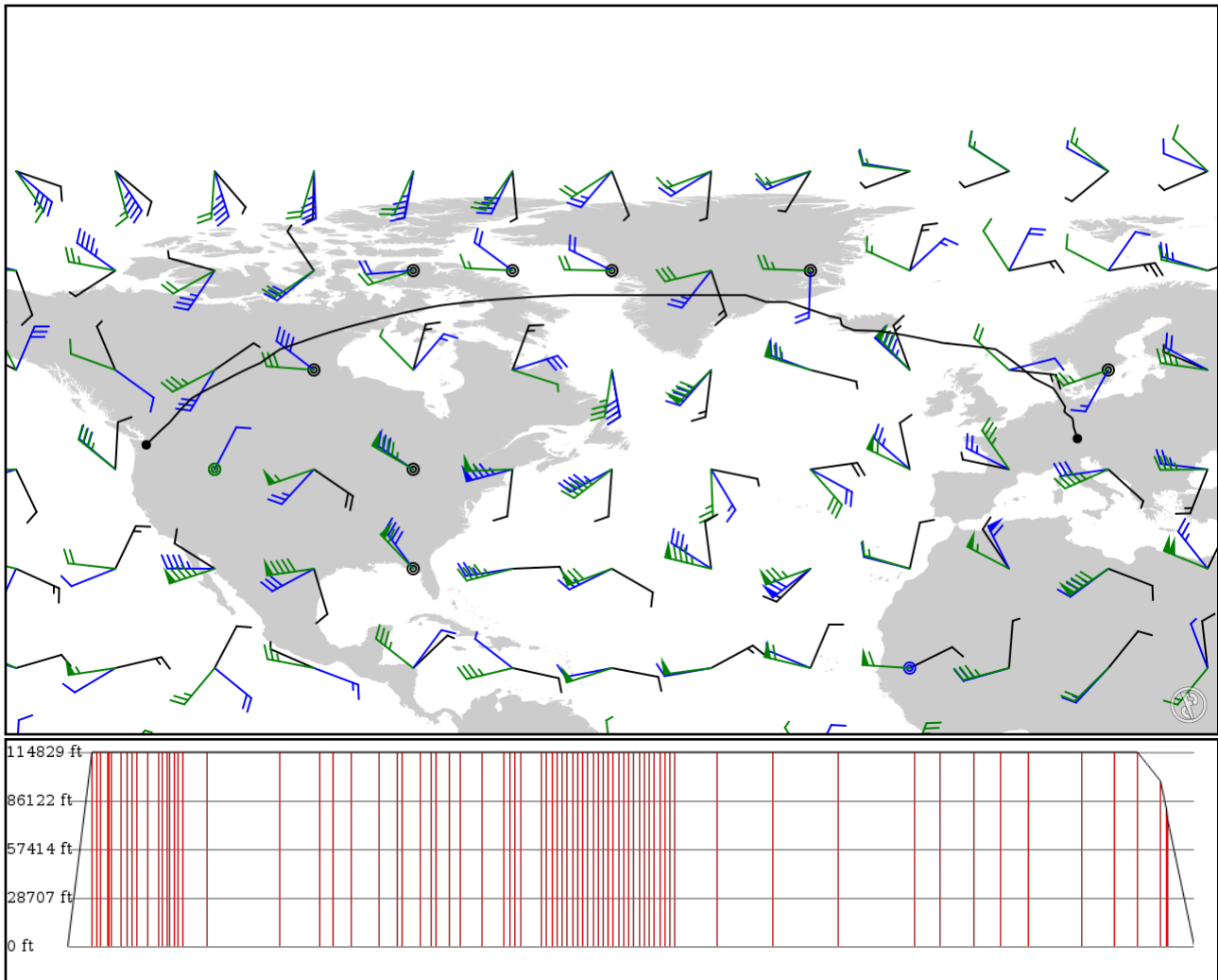
KSEA

Seattle-Tacoma Intl

2024/05/11 0954Z

EDDM LONLI **UM726** LASTO **UM852** BIRKA **T810** UPDAT **Z88** DLE **UP605** AGATI **UP992** GIKOG **P992** SURIR BAVTA
P613 VALDI **G3** NASBU TERTU MYRAR **B1** SKALM 6600N02400W 6700N02700W 6800N03000W 6800N03100W
6800N03200W 6800N03300W 6900N03600W 6900N03700W 6900N03800W 6900N03900W 6900N04000W 6900N04100W
6900N04200W 6900N04300W 6900N04400W 6900N04500W 6900N04600W 6900N04700W 6900N04800W 6900N04900W
6900N05000W 6900N05100W ASMOD 6900N05200W 6900N05300W 6900N05400W 6900N05500W 6900N05600W
6900N05700W 6900N05800W 6900N05900W 6900N06000W 6900N06100W BOPUT **NCAB** 080B **NCAU** URSIS **LAT2** YSF
NCAC YMM **J527** YNY **J503** IWACK KSEA

4728.42 nm / 8757.04 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		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
EDDM	-	48.35380	0 ft	-		Muenchen International Airport Franz-Josef Strauss
APT	-	11.78610	0 m			
LONLI	-	50.07470	35,000 ft	105	-	
FIX	-	11.22640	10,668 m			
LASGA	UM726	50.36060	35,000 ft	17	-	
FIX	AWY-HI	11.22810	10,668 m			
NARUS	UM726	50.66830	35,000 ft	18	-	
FIX	AWY-HI	11.18150	10,668 m			
LASTO	UM726	51.12900	35,000 ft	27	-	
FIX	AWY-HI	11.11070	10,668 m			
SOMIX	UM852	51.25530	35,000 ft	8	-	
FIX	AWY-HI	11.02070	10,668 m			
BIRKA	UM852	51.37940	35,000 ft	8	-	
FIX	AWY-HI	10.93170	10,668 m			
UPDAT	T810	51.92860	35,000 ft	42	-	
FIX	AWY-LO	10.22000	10,668 m			
DLE	Z88	52.25030	35,000 ft	22	LEINE	
VOR	AWY-LO	9.88349	10,668 m			
MADOR	UP605	52.56670	35,000 ft	19	-	
FIX	AWY-HI	9.95250	10,668 m			
AGATI	UP605	52.91170	35,000 ft	20	-	
FIX	AWY-HI	10.02890	10,668 m			
LBV	UP992	53.65260	35,000 ft	47	ELBE	
VOR	AWY-HI	9.57948	10,668 m			
BADOS	UP992	54.37000	35,000 ft	45	-	
FIX	AWY-HI	9.13528	10,668 m			
GIKOG	UP992	54.63780	35,000 ft	17	-	
FIX	AWY-HI	8.95806	10,668 m			
ATTUS	P992	54.89970	35,000 ft	16	-	
FIX	AWY-HI	8.78278	10,668 m			
ASMUS	P992	55.08330	35,000 ft	11	-	
FIX	AWY-HI	8.65861	10,668 m			
SURIR	P992	55.42890	35,000 ft	22	-	
FIX	AWY-HI	8.42139	10,668 m			
BAVTA	-	55.60310	35,000 ft	11	-	
FIX	-	8.30000	10,668 m			
NUGLO	P613	55.87530	35,000 ft	23	-	
FIX	AWY-HI	7.78111	10,668 m			
KARLI	P613	57.00000	35,000 ft	101	-	
FIX	AWY-HI	5.50743	10,668 m			
VALDI	P613	61.21440	35,000 ft	304	-	
FIX	AWY-HI	0.00000	10,668 m			
CONNY	G3	61.90000	35,000 ft	164	-	
FIX	AWY-HI	-5.58333	10,668 m			
MY	G3	62.10690	35,000 ft	57	MYGGENAES (VAGAR)	
NDB	AWY-HI	-7.58768	10,668 m			
LARUX	G3	62.62170	35,000 ft	73	-	
FIX	AWY-HI	-10.00000	10,668 m			
ROSTI	G3	63.40640	35,000 ft	121	-	
FIX	AWY-HI	-14.11220	10,668 m			
ING	G3	63.80310	35,000 ft	71	INGO	
VOR	AWY-HI	-16.63810	10,668 m			
MIKLA	G3	63.84830	35,000 ft	24	-	

Ident Type		Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-17.57420	10,668 m			
NASBU	G3	63.94670	35,000 ft	73	-	
FIX	AWY-HI	-20.34820	10,668 m			
TERTU	-	64.43420	35,000 ft	46	-	
FIX	-	-21.72860	10,668 m			
MYRAR	-	64.70220	35,000 ft	19	-	
FIX	-	-22.14810	10,668 m			
SKALM	B1	65.62860	35,000 ft	55	-	
FIX	AWY-HI	-22.36000	10,668 m			
6600N02400W	-	66.00000	35,000 ft	46	-	
LATLON	-	-24.00000	10,668 m			
6700N02700W	-	67.00000	35,000 ft	93	-	
LATLON	-	-27.00000	10,668 m			
6800N03000W	-	68.00000	35,000 ft	91	-	
LATLON	-	-30.00000	10,668 m			
6800N03100W	-	68.00000	35,000 ft	22	-	
LATLON	-	-31.00000	10,668 m			
6800N03200W	-	68.00000	35,000 ft	22	-	
LATLON	-	-32.00000	10,668 m			
6800N03300W	-	68.00000	35,000 ft	22	-	
LATLON	-	-33.00000	10,668 m			
6900N03600W	-	69.00000	35,000 ft	89	-	
LATLON	-	-36.00000	10,668 m			
6900N03700W	-	69.00000	35,000 ft	21	-	
LATLON	-	-37.00000	10,668 m			
6900N03800W	-	69.00000	35,000 ft	21	-	
LATLON	-	-38.00000	10,668 m			
6900N03900W	-	69.00000	35,000 ft	21	-	
LATLON	-	-39.00000	10,668 m			
6900N04000W	-	69.00000	35,000 ft	21	-	
LATLON	-	-40.00000	10,668 m			
6900N04100W	-	69.00000	35,000 ft	21	-	
LATLON	-	-41.00000	10,668 m			
6900N04200W	-	69.00000	35,000 ft	21	-	
LATLON	-	-42.00000	10,668 m			
6900N04300W	-	69.00000	35,000 ft	21	-	
LATLON	-	-43.00000	10,668 m			
6900N04400W	-	69.00000	35,000 ft	21	-	
LATLON	-	-44.00000	10,668 m			
6900N04500W	-	69.00000	35,000 ft	21	-	
LATLON	-	-45.00000	10,668 m			
6900N04600W	-	69.00000	35,000 ft	21	-	
LATLON	-	-46.00000	10,668 m			
6900N04700W	-	69.00000	35,000 ft	21	-	
LATLON	-	-47.00000	10,668 m			
6900N04800W	-	69.00000	35,000 ft	21	-	
LATLON	-	-48.00000	10,668 m			
6900N04900W	-	69.00000	35,000 ft	21	-	
LATLON	-	-49.00000	10,668 m			
6900N05000W	-	69.00000	35,000 ft	21	-	
LATLON	-	-50.00000	10,668 m			
6900N05100W	-	69.00000	35,000 ft	21	-	
LATLON	-	-51.00000	10,668 m			
ASMOD	-	68.98580	35,000 ft	20	-	
FIX	-	-51.93420	10,668 m			
6900N05200W	-	69.00000	35,000 ft	1	-	

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-52.00000	10,668 m		
6900N05300W	-	69.00000	35,000 ft 21	-	
LATLON	-	-53.00000	10,668 m		
6900N05400W	-	69.00000	35,000 ft 21	-	
LATLON	-	-54.00000	10,668 m		
6900N05500W	-	69.00000	35,000 ft 21	-	
LATLON	-	-55.00000	10,668 m		
6900N05600W	-	69.00000	35,000 ft 21	-	
LATLON	-	-56.00000	10,668 m		
6900N05700W	-	69.00000	35,000 ft 21	-	
LATLON	-	-57.00000	10,668 m		
6900N05800W	-	69.00000	35,000 ft 21	-	
LATLON	-	-58.00000	10,668 m		
6900N05900W	-	69.00000	35,000 ft 21	-	
LATLON	-	-59.00000	10,668 m		
6900N06000W	-	69.00000	35,000 ft 21	-	
LATLON	-	-60.00000	10,668 m		
6900N06100W	-	69.00000	35,000 ft 21	-	
LATLON	-	-61.00000	10,668 m		
BOPUT	-	68.95940	35,000 ft 20	-	
FIX	-	-61.94120	10,668 m		
070B	NCAB	68.50000	35,000 ft 177	-	
FIX	AWY-HI	-70.00000	10,668 m		
080B	NCAB	67.50000	35,000 ft 232	-	
FIX	AWY-HI	-80.00000	10,668 m		
090U	NCAU	65.25000	35,000 ft 275	-	
FIX	AWY-HI	-90.00000	10,668 m		
100U	NCAU	62.25000	35,000 ft 320	-	
FIX	AWY-HI	-100.00000	10,668 m		
URSIS	NCAU	61.20970	35,000 ft 106	-	
FIX	AWY-HI	-103.01300	10,668 m		
YSF	LAT2	59.25510	35,000 ft 144	STONY RAPIDS	
NDB	AWY-HI	-105.83200	10,668 m		
DUROT	NCAC	58.04100	35,000 ft 109	-	
FIX	AWY-HI	-108.44900	10,668 m		
YMM	NCAC	56.64720	35,000 ft 120	FORT MCMURRAY	
VOR	AWY-HI	-111.12200	10,668 m		
YZU	J527	54.14570	35,000 ft 218	WHITECOURT	
VOR	AWY-HI	-115.79700	10,668 m		
BOJAM	J527	52.10440	35,000 ft 140	-	
FIX	AWY-HI	-117.71500	10,668 m		
YNY	J527	50.67780	35,000 ft 97	ENDERBY	
VOR	AWY-HI	-118.93900	10,668 m		
YDC	J503	49.38150	29,800 ft 95	PRINCETON	
VOR	AWY-HI	-120.37400	9,083 m		
FOLDY	J503	49.05160	24,700 ft 23	-	
FIX	AWY-HI	-120.71200	7,529 m		
IWACK	J503	48.93210	22,800 ft 8	-	
FIX	AWY-HI	-120.83700	6,949 m		
KSEA	-	47.45020	0 ft 106	Seattle-Tacoma Intl	
APT	-	-122.31200	0 m		

EDDM

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 2

Elevation: 1,484 ft / 452 m
Location: 48.353800 11.786100
Magnetic Var: 3.941 E

METAR

EDDM 110920Z AUTO 07007KT CAVOK 18/09 Q1022 NOSIG

TAF

TAF EDDM 110500Z 1106/1212 VRB03KT CAVOK BECMG 1106/1108 08007KT BECMG 1117/1119 VRB03KT PROB30 TEMPO 1202/1205 1

Frequencies

REC - 123.12 MHz - MUENCHEN ATIS	COM - 122.80 MHz - MUENCHEN UNICOM
CLD - 121.72 MHz - MUENCHEN DELIVERY	GND - 121.97 MHz - MUENCHEN GROUND NORTH
GND - 121.82 MHz - MUENCHEN GROUND SOUTH	GND - 121.77 MHz - MUENCHEN APRON 1
GND - 121.70 MHz - MUENCHEN APRON 2	GND - 121.92 MHz - MUENCHEN APRON 3
TWR - 120.50 MHz - MUENCHEN TOWER SOUTH	TWR - 118.70 MHz - MUENCHEN TOWER NORTH
APP - 123.90 MHz - MUENCHEN RADAR NORTH	APP - 127.95 MHz - MUENCHEN RADAR SOUTH
APP - 128.25 MHz - MUENCHEN ARRIVAL NORTH	APP - 120.77 MHz - MUENCHEN ARRIVAL SOUTH
APP - 118.82 MHz - MUENCHEN DIRECTOR NORTH	APP - 132.30 MHz - MUENCHEN DIRECTOR SOUTH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08L	197 ft	13,135 ft	83.39	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.45		0 m	0 m
26R	197 ft	13,135 ft	263.43	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.49		0 m	0 m
08R	197 ft	13,135 ft	83.37	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.43		0 m	0 m
26L	197 ft	13,135 ft	263.41	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.47		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	LOC-ILS	IMNE	109.50 MHz	18 nm	83.41	-	1,484 ft
				33 km	79.47		1,484 m
08R	LOC-ILS	IMSE	109.30 MHz	18 nm	83.39	-	1,484 ft
				33 km	79.45		1,484 m
26L	LOC-ILS	IMSW	108.30 MHz	18 nm	263.39	-	1,484 ft
				33 km	259.45		1,484 m
26R	LOC-ILS	IMNW	108.70 MHz	18 nm	263.41	-	1,484 ft
				33 km	259.47		1,484 m
08L	GS	IMNE	109.50 MHz	10 nm	83.41	3.00	1,484 ft
				19 km	79.47		1,484 m
08R	GS	IMSE	109.30 MHz	10 nm	83.39	3.00	1,484 ft
				19 km	79.45		1,484 m
26L	GS	IMSW	108.30 MHz	10 nm	263.39	3.00	1,484 ft
				19 km	259.45		1,484 m
26R	GS	IMNW	108.70 MHz	10 nm	263.41	3.00	1,484 ft
				19 km	259.47		1,484 m

KSEA

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

Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.774 E

METAR

KSEA 110853Z 00000KT 10SM CLR 17/09 A2996 RMK A02 SLP150 AURBO T01720089 51001

TAF

KSEA 110858Z 1109/1212 01005KT P6SM SKC FM111800 33007KT P6SM SKC FM112200 28008KT P6SM SKC

Frequencies

REC - 118.00 MHz - SEATTLE ATIS
GND - 121.70 MHz - SEATTLE GROUND
TWR - 120.95 MHz - SEATTLE TOWER
DEP - 120.10 MHz - SEATTLE DEPARTURE
CLD - 128.00 MHz - SEATTLE CLEARANCE
TWR - 119.90 MHz - SEATTLE TOWER
APP - 133.65 MHz - SEATTLE APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	151 ft	11,904 ft	180.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	165.57		0 m	122 m
34R	151 ft	11,904 ft	0.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	345.57		0 m	122 m
16C	151 ft	9,428 ft	180.34	CONCRETE	0 ft	400 ft
	46 m	2,874 m	165.57		0 m	122 m
34C	151 ft	9,428 ft	0.34	CONCRETE	0 ft	397 ft
	46 m	2,874 m	345.57		0 m	121 m
16R	151 ft	8,502 ft	180.34	CONCRETE	0 ft	200 ft
	46 m	2,591 m	165.57		0 m	61 m
34L	151 ft	8,502 ft	0.34	CONCRETE	0 ft	197 ft
	46 m	2,591 m	345.56		0 m	60 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16C	DME	ISZI	111.70 MHz	18 nm	-	-	470 ft
				33 km	-		470 m
16L	DME	ISNQ	110.30 MHz	18 nm	-	-	369 ft
				33 km	-		369 m
16R	DME	ICJL	110.75 MHz	18 nm	-	-	410 ft
				33 km	-		410 m
34C	DME	ITUC	111.70 MHz	18 nm	-	-	470 ft
				33 km	-		470 m
34L	DME	IB EJ	110.75 MHz	18 nm	-	-	410 ft
				33 km	-		410 m
34R	DME	ISEA	110.30 MHz	18 nm	-	-	469 ft
				33 km	-		469 m
16C	LOC-ILS	ISZI	111.70 MHz	18 nm	180.34	-	355 ft
				33 km	165.56		355 m
16L	LOC-ILS	ISNQ	110.30 MHz	18 nm	180.34	-	338 ft
				33 km	165.57		338 m
16R	LOC-ILS	ICJL	110.75 MHz	18 nm	180.34	-	410 ft
				33 km	165.56		410 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34C	LOC-ILS	ITUC	111.70 MHz	18 nm	0.34	-	422 ft
				33 km	345.56		422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm	0.34	-	433 ft
				33 km	345.56		433 m
34R	LOC-ILS	ISEA	110.30 MHz	18 nm	0.34	-	428 ft
				33 km	345.57		428 m
16C	GS	ISZI	111.70 MHz	10 nm	180.67	3.00	418 ft
				19 km	165.90		418 m
16L	GS	ISNQ	110.30 MHz	10 nm	180.69	3.00	425 ft
				19 km	165.91		425 m
16R	GS	ICJL	110.75 MHz	10 nm	180.67	3.00	410 ft
				19 km	165.90		410 m
34C	GS	ITUC	111.70 MHz	10 nm	0.67	3.00	367 ft
				19 km	345.90		367 m
34L	GS	IBEJ	110.75 MHz	10 nm	0.67	3.00	360 ft
				19 km	345.90		360 m
34R	GS	ISEA	110.30 MHz	10 nm	0.69	2.75	355 ft
				19 km	345.91		355 m