

EDDM

Muenchen International Airport Franz-Josef Strauss

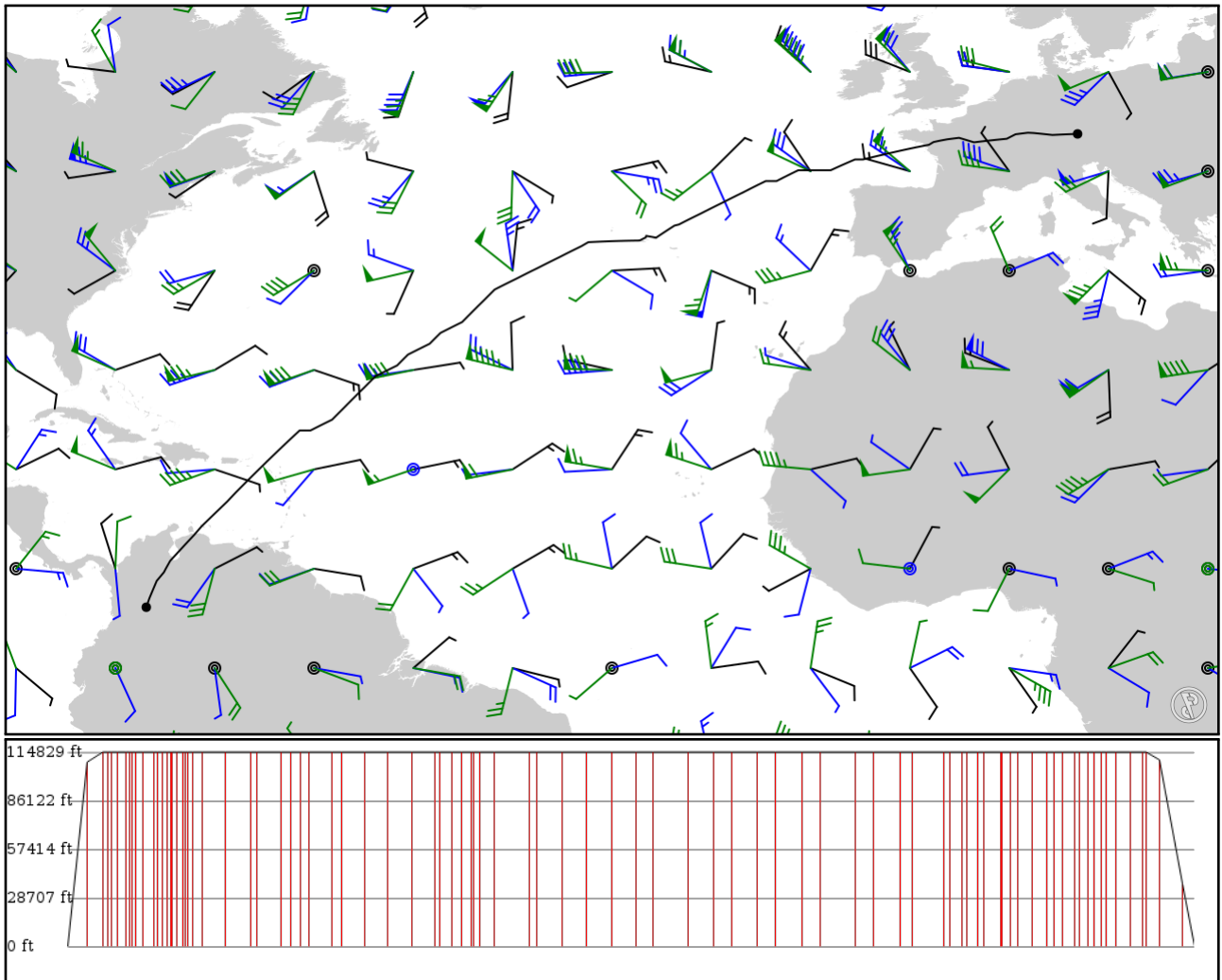
SKBO

El Dorado Intl

2024/06/06 0243Z

EDDM UTABA **UM164** POGOL **R11** EPL **G21** RLP **R11** MOTAL **A3** DOMOD **H20** KOVAK **H34** SABLE **T15** KURIS **UN872**
TERPO **UN461** RIVAK **UN460** SIVIR 4500N0-1100W 4500N0-1200W PASAS GONAN 4400N0-1600W 4400N0-1700W
4300N0-1900W 4200N0-2100W 4100N0-2300W 4000N0-2500W ANAVA **H122** LM **H124** LADOX NOTMA **H153** VFL **H131**
INBOX 3800N0-3400W 3700N0-3600W 3600N0-3800W 3500N0-4000W 3400N0-4200W 3300N0-4300W 3100N0-4500W
3000N0-4700W 2900N0-4800W 2800N0-5000W 2700N0-5100W 2600N0-5300W 2500N0-5400W 2300N0-5600W
2200N0-5700W 2100N0-5900W RKDIA **A516** SILVA **UA516** LUCAS **A516** SINDA **UA516** PJG **UG431** STB **UA567** ENPUT
UW1 BUY SKBO

5171.92 nm / 9578.40 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			
UTABA	-	48.25500	33,200 ft	93	-	
FIX	-	9.46167	10,119 m			
LUPEN	UM164	48.43510	35,000 ft	69	-	
FIX	AWY-HI	7.73362	10,668 m			
OBORN	UM164	48.46190	35,000 ft	21	-	
FIX	AWY-HI	7.20167	10,668 m			
POGOL	UM164	48.39900	35,000 ft	20	-	
FIX	AWY-HI	6.69336	10,668 m			
EPL	R11	48.31780	35,000 ft	25		EPINAL MIRECOURT
VOR	AWY-LO	6.05942	10,668 m			
RLP	G21	47.90630	35,000 ft	40		ROLAMPONT
VOR	AWY-LO	5.24917	10,668 m			
RLP1C	R11	47.86610	35,000 ft	17	-	
FIX	AWY-LO	4.82889	10,668 m			
BALMU	R11	47.84670	35,000 ft	7	-	
FIX	AWY-LO	4.63972	10,668 m			
KUTAN	R11	47.80750	35,000 ft	15	-	
FIX	AWY-LO	4.25639	10,668 m			
OSKIN	R11	47.71890	35,000 ft	33	-	
FIX	AWY-LO	3.43472	10,668 m			
MOTAL	R11	47.57670	35,000 ft	49	-	
FIX	AWY-LO	2.22000	10,668 m			
GILUX	A3	47.72420	35,000 ft	21	-	
FIX	AWY-LO	1.74306	10,668 m			
DOMOD	A3	47.86280	35,000 ft	20	-	
FIX	AWY-LO	1.28583	10,668 m			
KOVAK	H20	47.99310	35,000 ft	19	-	
FIX	AWY-LO	0.84667	10,668 m			
LUMAN	H34	47.93940	35,000 ft	17	-	
FIX	AWY-LO	0.41333	10,668 m			
TUNAX	H34	47.91250	35,000 ft	8	-	
FIX	AWY-LO	0.20167	10,668 m			
SABLE	H34	47.85310	35,000 ft	18	-	
FIX	AWY-LO	-0.25000	10,668 m			
ARDOD	T15	47.73140	35,000 ft	27	-	
FIX	AWY-LO	-0.90583	10,668 m			
NTS34	T15	47.66080	35,000 ft	14	-	
FIX	AWY-LO	-1.23972	10,668 m			
KURIS	T15	47.59970	35,000 ft	11	-	
FIX	AWY-LO	-1.51750	10,668 m			
TERPO	UN872	47.34890	35,000 ft	22	-	
FIX	AWY-HI	-1.92889	10,668 m			
AKEMO	UN461	47.13920	35,000 ft	45	-	
FIX	AWY-HI	-3.00000	10,668 m			
KOLEK	UN461	46.61280	35,000 ft	103	-	
FIX	AWY-HI	-5.40806	10,668 m			
RIVAK	UN461	46.00000	35,000 ft	113	-	
FIX	AWY-HI	-8.00000	10,668 m			
SIVIR	UN460	46.00000	35,000 ft	31	-	
FIX	AWY-HI	-8.75000	10,668 m			
4500N0-1100W	-	45.00000	35,000 ft	112	-	

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-11.00000	10,668 m		
4500N0-1200W	-	45.00000	35,000 ft	42	-
LATLON	-	-12.00000	10,668 m		
PASAS	-	45.00000	35,000 ft	42	-
FIX	-	-13.00000	10,668 m		
GONAN	-	45.00000	35,000 ft	42	-
FIX	-	-14.00000	10,668 m		
4400N0-1600W	-	44.00000	35,000 ft	104	-
LATLON	-	-16.00000	10,668 m		
4400N0-1700W	-	44.00000	35,000 ft	43	-
LATLON	-	-17.00000	10,668 m		
4300N0-1900W	-	43.00000	35,000 ft	105	-
LATLON	-	-19.00000	10,668 m		
4200N0-2100W	-	42.00000	35,000 ft	106	-
LATLON	-	-21.00000	10,668 m		
4100N0-2300W	-	41.00000	35,000 ft	108	-
LATLON	-	-23.00000	10,668 m		
4000N0-2500W	-	40.00000	35,000 ft	109	-
LATLON	-	-25.00000	10,668 m		
ANAVA	-	39.89940	35,000 ft	19	-
FIX	-	-25.40890	10,668 m		
DOLER	H122	39.26810	35,000 ft	58	-
FIX	AWY-HI	-26.38000	10,668 m		
LM	H122	38.78390	35,000 ft	44	LAJES
VOR	AWY-HI	-27.10440	10,668 m		
LADOX	H124	38.94720	35,000 ft	43	-
FIX	AWY-HI	-28.02110	10,668 m		
NOTMA	-	38.81260	35,000 ft	8	-
FIX	-	-28.05610	10,668 m		
VFL	H153	38.51940	35,000 ft	31	HORTA
VOR	AWY-HI	-28.62360	10,668 m		
INBUL	H131	38.49530	35,000 ft	64	-
FIX	AWY-HI	-30.00000	10,668 m		
INBOX	H131	38.36830	35,000 ft	158	-
FIX	AWY-HI	-33.36360	10,668 m		
3800N0-3400W	-	38.00000	35,000 ft	37	-
LATLON	-	-34.00000	10,668 m		
3700N0-3600W	-	37.00000	35,000 ft	112	-
LATLON	-	-36.00000	10,668 m		
3600N0-3800W	-	36.00000	35,000 ft	113	-
LATLON	-	-38.00000	10,668 m		
3500N0-4000W	-	35.00000	35,000 ft	114	-
LATLON	-	-40.00000	10,668 m		
3400N0-4200W	-	34.00000	35,000 ft	115	-
LATLON	-	-42.00000	10,668 m		
3300N0-4300W	-	33.00000	35,000 ft	78	-
LATLON	-	-43.00000	10,668 m		
3100N0-4500W	-	31.00000	35,000 ft	157	-
LATLON	-	-45.00000	10,668 m		
3000N0-4700W	-	30.00000	35,000 ft	119	-
LATLON	-	-47.00000	10,668 m		
2900N0-4800W	-	29.00000	35,000 ft	79	-
LATLON	-	-48.00000	10,668 m		
2800N0-5000W	-	28.00000	35,000 ft	121	-
LATLON	-	-50.00000	10,668 m		
2700N0-5100W	-	27.00000	35,000 ft	80	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-51.00000	10,668 m		
2600N0-5300W	-	26.00000	35,000 ft	123	-
LATLON	-	-53.00000	10,668 m		
2500N0-5400W	-	25.00000	35,000 ft	80	-
LATLON	-	-54.00000	10,668 m		
2300N0-5600W	-	23.00000	35,000 ft	162	-
LATLON	-	-56.00000	10,668 m		
2200N0-5700W	-	22.00000	35,000 ft	81	-
LATLON	-	-57.00000	10,668 m		
2100N0-5900W	-	21.00000	35,000 ft	126	-
LATLON	-	-59.00000	10,668 m		
RKDIA	-	21.00000	35,000 ft	56	-
FIX	-	-60.00000	10,668 m		
OBIKE	A516	19.34130	35,000 ft	140	-
FIX	AWY-HI	-61.76720	10,668 m		
NEYDU	A516	18.97260	35,000 ft	31	-
FIX	AWY-HI	-62.15250	10,668 m		
MNOLO	A516	18.34560	35,000 ft	52	-
FIX	AWY-HI	-62.80210	10,668 m		
PJM	A516	18.03810	35,000 ft	25	SAINT MAARTEN
VOR	AWY-HI	-63.11830	10,668 m		
DANDE	A516	17.50420	35,000 ft	44	-
FIX	AWY-HI	-63.66470	10,668 m		
PORQE	A516	17.16000	35,000 ft	28	-
FIX	AWY-HI	-64.01450	10,668 m		
ANMER	A516	16.23670	35,000 ft	76	-
FIX	AWY-HI	-64.94300	10,668 m		
RAFEE	A516	16.10920	35,000 ft	10	-
FIX	AWY-HI	-65.07010	10,668 m		
RAYAS	A516	15.68790	35,000 ft	34	-
FIX	AWY-HI	-65.48860	10,668 m		
MILOK	A516	15.29220	35,000 ft	32	-
FIX	AWY-HI	-65.88080	10,668 m		
SILVA	A516	14.45560	35,000 ft	68	-
FIX	AWY-LO	-66.67140	10,668 m		
ACORA	UA516	13.65750	35,000 ft	68	-
FIX	AWY-HI	-67.49940	10,668 m		
LUCAS	UA516	13.29490	35,000 ft	31	-
FIX	AWY-HI	-67.87770	10,668 m		
SINDA	A516	12.81640	35,000 ft	40	-
FIX	AWY-LO	-68.37380	10,668 m		
PJG	UA516	12.19710	35,000 ft	52	CURACAO
VOR	AWY-HI	-69.01190	10,668 m		
ALCOT	UG431	11.91140	35,000 ft	22	-
FIX	AWY-HI	-69.26030	10,668 m		
CRO	UG431	11.41110	35,000 ft	39	CORO
VOR	AWY-HI	-69.69400	10,668 m		
DOLPO	UG431	11.06080	35,000 ft	28	-
FIX	AWY-HI	-70.01970	10,668 m		
MADNO	UG431	10.64890	35,000 ft	33	-
FIX	AWY-HI	-70.40390	10,668 m		
BURGA	UG431	10.33220	35,000 ft	25	-
FIX	AWY-HI	-70.69720	10,668 m		
IROSA	UG431	9.79806	35,000 ft	43	-
FIX	AWY-HI	-71.19030	10,668 m		
STB	UG431	8.98081	35,000 ft	66	SANTA BARBARA DEL ZULIA

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-71.94020	10,668 m		
ENPUT	UA567	8.20639	35,000 ft	53	-
FIX	AWY-HI	-72.37360	10,668 m		
CUC	UW1	7.93361	35,000 ft	18	CUCUTA
VOR	AWY-HI	-72.51390	10,668 m		
BGA	UW1	7.13167	33,600 ft	62	BUCARAMANGA
VOR	AWY-HI	-73.18440	10,241 m		
BUV	UW1	5.53222	11,300 ft	104	BUVIS
VOR	AWY-HI	-73.85860	3,444 m		
SKBO	-	4.70160	0 ft	52	El Dorado Intl
APT	-	-74.14700	0 m		

EDDM

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

Elevation: 1,484 ft / 452 m
Location: 48.353800 11.786100
Magnetic Var: 3.949 E

METAR

EDDM 060220Z AUTO VRB02KT 6000 0700 R26R/1400D R26L/P2000N BCFG NCD 12/12 Q1017 TEMPO 3500 BCFG

TAF

TAF EDDM 052300Z 0600/0706 VRB02KT 9999 FEW040 BECMG 0607/0609 24006KT PROB30 TEMPO 0617/0620 27015G25KT TSRA SCT

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	79.44		0 m	0 m
26R	197 ft	13,135 ft	263.43	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.48		0 m	0 m
08R	197 ft	13,135 ft	83.37	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.42		0 m	0 m
26L	197 ft	13,135 ft	263.41	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.46		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	79.46		1,484 m
08R	LOC-ILS	IMSE	109.30 MHz	18 nm	83.39	-	1,484 ft
				33 km	79.44		1,484 m
26L	LOC-ILS	IMSW	108.30 MHz	18 nm	263.39	-	1,484 ft
				33 km	259.44		1,484 m
26R	LOC-ILS	IMNW	108.70 MHz	18 nm	263.41	-	1,484 ft
				33 km	259.46		1,484 m
08L	GS	IMNE	109.50 MHz	10 nm	83.41	3.00	1,484 ft
				19 km	79.46		1,484 m
08R	GS	IMSE	109.30 MHz	10 nm	83.39	3.00	1,484 ft
				19 km	79.44		1,484 m
26L	GS	IMSW	108.30 MHz	10 nm	263.39	3.00	1,484 ft
				19 km	259.44		1,484 m
26R	GS	IMNW	108.70 MHz	10 nm	263.41	3.00	1,484 ft
				19 km	259.46		1,484 m

SKBO

Region: COLOMBIA
Timezone: AMERICA/BOGOTA
Runways: 2

Elevation: 8,358 ft / 2,548 m
Location: 4.701600 -74.147000
Magnetic Var: 8.203 W

METAR

SKBO 060200Z 00000KT 9999 SCT020 SCT070 16/10 Q1029 NOSIG

TAF

TAF SKBO 052230Z 0600/0624 16010KT 9999 SCT015 BECMG 0603/0605 VRB03KT BECMG 0615/0617 16012KT BKN023 BECMG 0618/

Frequencies

REC - 127.80 MHz - ATIS	TWR - 118.10 MHz - EL DORADO TOWER
TWR - 118.25 MHz - EL DORADO TOWER	GND - 121.80 MHz - EL DORADO GROUND
GND - 122.75 MHz - EL DORADO GROUND	APP - 121.30 MHz - BOGOTA APPROACH
APP - 119.50 MHz - BOGOTA APPROACH	APP - 119.65 MHz - BOGOTA APPROACH
APP - 119.95 MHz - BOGOTA APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13R	151 ft	12,479 ft	127.23	ASPHALT	0 ft	203 ft
	46 m	3,804 m	135.44		0 m	62 m
31L	151 ft	12,479 ft	307.24	ASPHALT	0 ft	203 ft
	46 m	3,804 m	315.44		0 m	62 m
13L	151 ft	12,479 ft	127.24	ASPHALT	0 ft	98 ft
	46 m	3,804 m	135.44		0 m	30 m
31R	151 ft	12,479 ft	307.24	ASPHALT	0 ft	98 ft
	46 m	3,804 m	315.44		0 m	30 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13L	DME	IEDR	111.30 MHz	18 nm	-	-	8,361 ft
				33 km	-		8,361 m
13R	DME	IADO	110.70 MHz	18 nm	-	-	8,361 ft
				33 km	-		8,361 m
13L	LOC-ILS	IEDR	111.30 MHz	18 nm	127.24	-	8,358 ft
				33 km	135.44		8,358 m
13R	LOC-ILS	IADO	110.70 MHz	18 nm	127.24	-	8,358 ft
				33 km	135.44		8,358 m
13L	GS	IEDR	111.30 MHz	10 nm	127.24	3.00	8,358 ft
				19 km	135.44		8,358 m
13R	GS	IADO	110.70 MHz	10 nm	127.24	3.00	8,358 ft
				19 km	135.44		8,358 m