KMSP

Minneapolis-St Paul International Airport

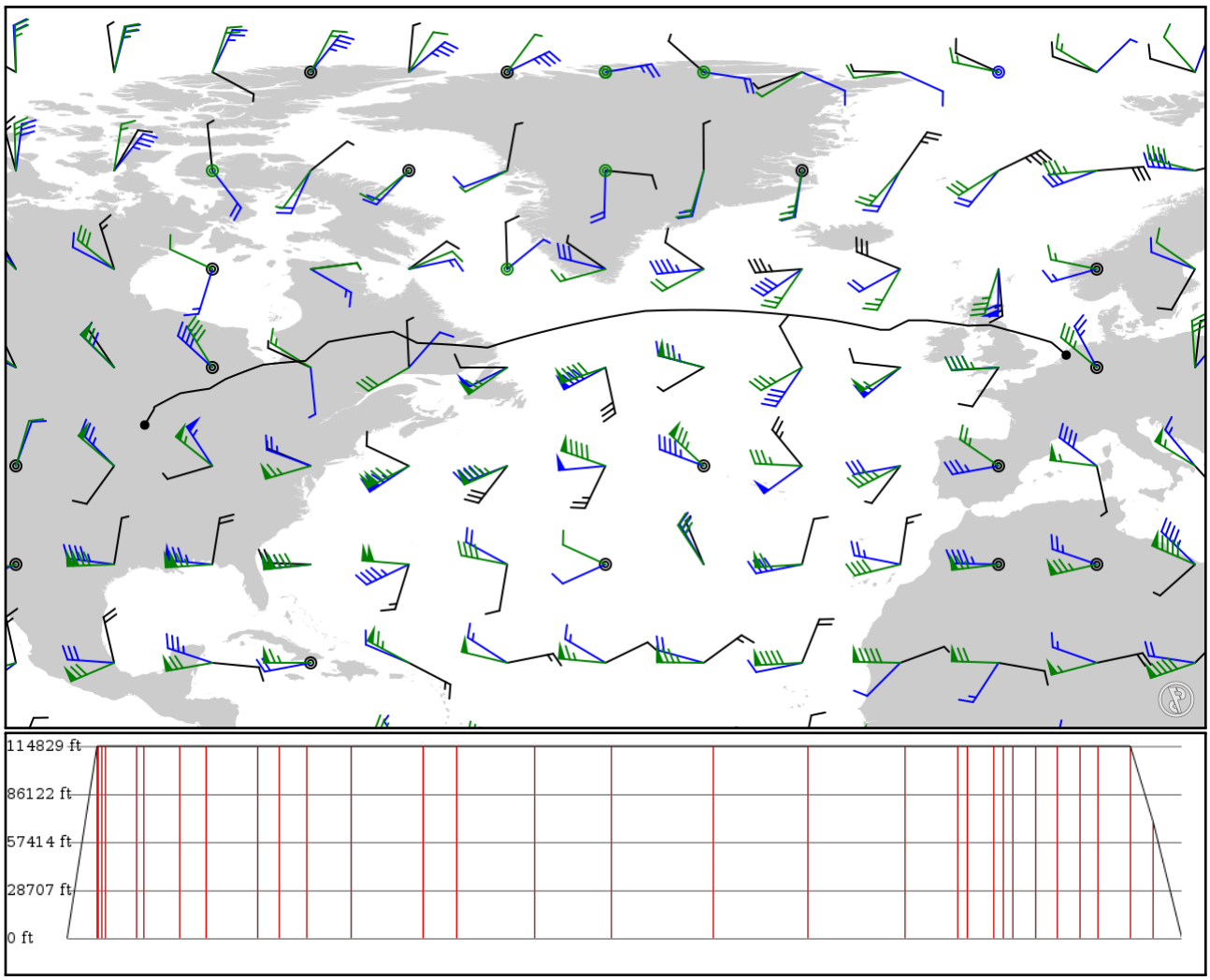
EHAM

Amsterdam Schiphol

2024/03/19 0427Z

KMSP BARUM **V13** DLH **J533** YQT **V242** YSP **V6** YMO MO **AR24** K8 **BR18** YFM **RR23** UM LOMSI **T** NETKI 5600N01200W 5600N01100W MIMKU **N562** MAC **UN552** TLA **L602** NATEB **N97** ROKAN EHAM

3856.89 nm / 7142.96 km



Notes

Using NAT tracks from 13/8/2022

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)	
KMSP	-	44.88190	0 ft	-	Minneapolis-St Paul International Airport
APT	-	-93.22200	0 m		
BARUM	-	46.52850	35,000 ft	106	-
FIX	-	-92.25140	10,668 m		
DAYAR	V13	46.55410	35,000 ft	1	-
FIX	AWY-LO	-92.24680	10,668 m		
DLH	V13	46.80220	35,000 ft	15	DULUTH
VOR	AWY-LO	-92.20290	10,668 m		
VURLY	J533	46.92280	35,000 ft	11	-
FIX	AWY-HI	-91.98350	10,668 m		
MPCEG	J533	48.00680	35,000 ft	105	-
FIX	AWY-HI	-89.92820	10,668 m		
YQT	J533	48.25390	35,000 ft	24	THUNDER BAY
VOR	AWY-HI	-89.43720	10,668 m		
YSP	V242	48.74340	35,000 ft	127	MARATHON
VOR	AWY-LO	-86.32760	10,668 m		
YAN	V6	49.77810	35,000 ft	92	AMESON
VOR	AWY-LO	-84.59110	10,668 m		
YMO	V6	51.29140	35,000 ft	177	MOOSONEE
VOR	AWY-LO	-80.60720	10,668 m		
MO	-	51.28220	35,000 ft	0	MOOSONEE
NDB	-	-80.62790	10,668 m		
YKQ	AR24	51.48710	35,000 ft	71	WASKAGANISH (FORT RUPERT)
NDB	AWY-LO	-78.74490	10,668 m		
K8	AR24	51.68900	35,000 ft	98	NEMISCAU
NDB	AWY-LO	-76.13430	10,668 m		
YFM	BR18	53.71130	35,000 ft	150	LA GRANDE-4
NDB	AWY-LO	-73.70300	10,668 m		
KR	RR23	54.79930	35,000 ft	250	SQUAW (SHEFFERVILLE)
NDB	AWY-LO	-66.80360	10,668 m		
UM	RR23	53.59060	35,000 ft	115	CHURCHILL FALLS
NDB	AWY-LO	-64.23560	10,668 m		
LOMSI	-	53.10000	35,000 ft	268	-
FIX	-	-56.78330	10,668 m		
55/50	T	55.00000	35,000 ft	264	-
LATLON	NAT	-50.00000	10,668 m		
57/40	T	57.00000	35,000 ft	356	-
LATLON	NAT	-40.00000	10,668 m		
57/30	T	57.00000	35,000 ft	326	-
LATLON	NAT	-30.00000	10,668 m		
56/20	T	56.00000	35,000 ft	336	-
LATLON	NAT	-20.00000	10,668 m		
RESNO	T	55.00000	35,000 ft	180	-
FIX	NAT	-15.00000	10,668 m		
NETKI	T	55.00000	35,000 ft	34	-
FIX	NAT	-14.00000	10,668 m		
5600N01200W	-	56.00000	35,000 ft	90	-
LATLON	-	-12.00000	10,668 m		
5600N01100W	-	56.00000	35,000 ft	33	-
LATLON	-	-11.00000	10,668 m		
MIMKU	-	56.00000	35,000 ft	33	-
FIX	-	-10.00000	10,668 m		
DONIB	N562	55.71920	35,000 ft	79	-

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
FIX	AWY-HI	-7.69556	10,668 m		
MAC	N562	55.43000	35,000 ft	71	MACHRIHANISH
VOR	AWY-HI	-5.65041	10,668 m		
TLA	UN552	55.49910	35,000 ft	78	TALLA
VOR	AWY-HI	-3.35283	10,668 m		
NATEB	L602	55.03830	35,000 ft	63	-
FIX	AWY-HI	-1.69833	10,668 m		
NEPSO	N97	54.23810	35,000 ft	113	-
FIX	AWY-HI	1.26972	10,668 m		
ROKAN	N97	53.66330	21,200 ft	76	-
FIX	AWY-HI	3.18889	6,462 m		
EHAM	-	52.30810	0 ft	99	Amsterdam Schiphol
APT	-	4.76417	0 m		

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 190353Z 23010G18KT 10SM FEW120 SCT160 02/M14 A2985 RMK AO2 SLP118 T00221144

TAF

TAF AMD KMSP 190257Z 1903/2006 25011KT P6SM SCT150 FM190400 23016G26KT P6SM SCT250 WS020/27050KT FM190800 29012G2

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

EHAM

Region: NETHERLANDS
Timezone: EUROPE/AMSTERDAM
Runways: 6

Elevation: -11 ft / -3 m
Location: 52.308100 4.764170
Magnetic Var: 2.023 E

METAR

EHAM 190355Z 18007KT 9999 FEW021 BKN036 10/09 Q1016 NOSIG

TAF

TAF EHAM 182325Z 1900/2006 18007KT 9999 FEW035 PROB30 1900/1906 4500 BR DZ SCT008 BKN012 BECMG 1911/1914 25013KT E

Frequencies

GND - 121.55 MHz - SCHIPHOL GROUND
GND - 121.80 MHz - SCHIPHOL GROUND
GND - 121.60 MHz - SCHIPHOL GROUND
TWR - 118.10 MHz - SCHIPHOL TOWER
TWR - 119.90 MHz - SCHIPHOL TOWER
APP - 120.55 MHz - AMSTERDAM RADAR
APP - 119.05 MHz - SCHIPHOL APPROACH
APP - 126.68 MHz - SCHIPHOL APPROACH
APP - 131.15 MHz - SCHIPHOL ARRIVAL
REC - 122.20 MHz - SCHIPHOL ATIS

GND - 121.70 MHz - SCHIPHOL GROUND
GND - 121.90 MHz - SCHIPHOL GROUND
TWR - 119.22 MHz - SCHIPHOL TOWER
TWR - 118.27 MHz - SCHIPHOL TOWER
APP - 118.80 MHz - AMSTERDAM RADAR
APP - 127.78 MHz - AMSTERDAM RADAR
APP - 118.08 MHz - SCHIPHOL APPROACH
APP - 118.40 MHz - SCHIPHOL ARRIVAL
DEP - 121.20 MHz - SCHIPHOL DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	145 ft 44 m	11,319 ft 3,450 m	86.77 84.75	ASPHALT	325 ft 99 m	0 ft 0 m
27	145 ft 44 m	11,319 ft 3,450 m	266.81 264.79	ASPHALT	0 ft 0 m	0 ft 0 m
18L	150 ft 46 m	11,150 ft 3,399 m	183.24 181.22	ASPHALT	1,886 ft 575 m	0 ft 0 m
36R	150 ft 46 m	11,150 ft 3,399 m	3.24 1.22	ASPHALT	0 ft 0 m	0 ft 0 m
18C	145 ft 44 m	10,813 ft 3,296 m	183.22 181.19	ASPHALT	0 ft 0 m	0 ft 0 m
36C	145 ft 44 m	10,813 ft 3,296 m	3.22 1.19	ASPHALT	1,473 ft 449 m	0 ft 0 m
18R	190 ft 58 m	12,467 ft 3,800 m	183.19 181.17	ASPHALT	886 ft 270 m	0 ft 0 m
36L	190 ft 58 m	12,467 ft 3,800 m	3.19 1.17	ASPHALT	0 ft 0 m	0 ft 0 m
06	150 ft 46 m	11,288 ft 3,441 m	57.85 55.83	ASPHALT	814 ft 248 m	0 ft 0 m
24	150 ft 46 m	11,288 ft 3,441 m	237.89 235.87	ASPHALT	0 ft 0 m	0 ft 0 m
04	140 ft 43 m	6,624 ft 2,019 m	41.18 39.16	ASPHALT	0 ft 0 m	0 ft 0 m
22	140 ft 43 m	6,624 ft 2,019 m	221.20 219.18	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	DME	KAG	110.55 MHz	18 nm 33 km	– –	–	-11 ft -11 m
18R	DME	VPB	110.10 MHz	18 nm 33 km	– –	–	-11 ft -11 m
22	DME	SCH	109.15 MHz	18 nm 33 km	– –	–	-11 ft -11 m
27	DME	BVB	111.55 MHz	18 nm 33 km	– –	–	-11 ft -11 m
36C	DME	MSA	108.75 MHz	18 nm 33 km	– –	–	-11 ft -11 m
36R	DME	ABA	111.95 MHz	18 nm 33 km	– –	–	-11 ft -11 m
06	LOC-ILS	KAG	110.55 MHz	18 nm 33 km	57.88 55.86	–	-11 ft -11 m
18C	LOC-ILS	ZWA	109.50 MHz	18 nm 33 km	183.22 181.20	–	-11 ft -11 m
18R	LOC-ILS	VPB	110.10 MHz	18 nm 33 km	183.19 181.17	–	-11 ft -11 m
22	LOC-ILS	SCH	109.15 MHz	18 nm 33 km	221.20 219.18	–	-11 ft -11 m
27	LOC-ILS	BVB	111.55 MHz	18 nm 33 km	266.79 264.77	–	-11 ft -11 m
36C	LOC-ILS	MSA	108.75 MHz	18 nm 33 km	3.22 1.20	–	-11 ft -11 m
36R	LOC-ILS	ABA	111.95 MHz	18 nm 33 km	3.24 1.22	–	-11 ft -11 m
06	GS	KAG	110.55 MHz	10 nm 19 km	57.88 55.86	3.00	-11 ft -11 m
18C	GS	ZWA	109.50 MHz	10 nm 19 km	183.22 181.20	3.00	-11 ft -11 m
18R	GS	VPB	110.10 MHz	10 nm 19 km	183.19 181.17	3.00	-11 ft -11 m
22	GS	SCH	109.15 MHz	10 nm 19 km	221.20 219.18	3.00	-11 ft -11 m
27	GS	BVB	111.55 MHz	10 nm 19 km	266.79 264.77	3.00	-11 ft -11 m
36C	GS	MSA	108.75 MHz	10 nm 19 km	3.22 1.20	3.00	-11 ft -11 m
36R	GS	ABA	111.95 MHz	10 nm 19 km	3.24 1.22	3.00	-11 ft -11 m