

# EHAM

Amsterdam Schiphol

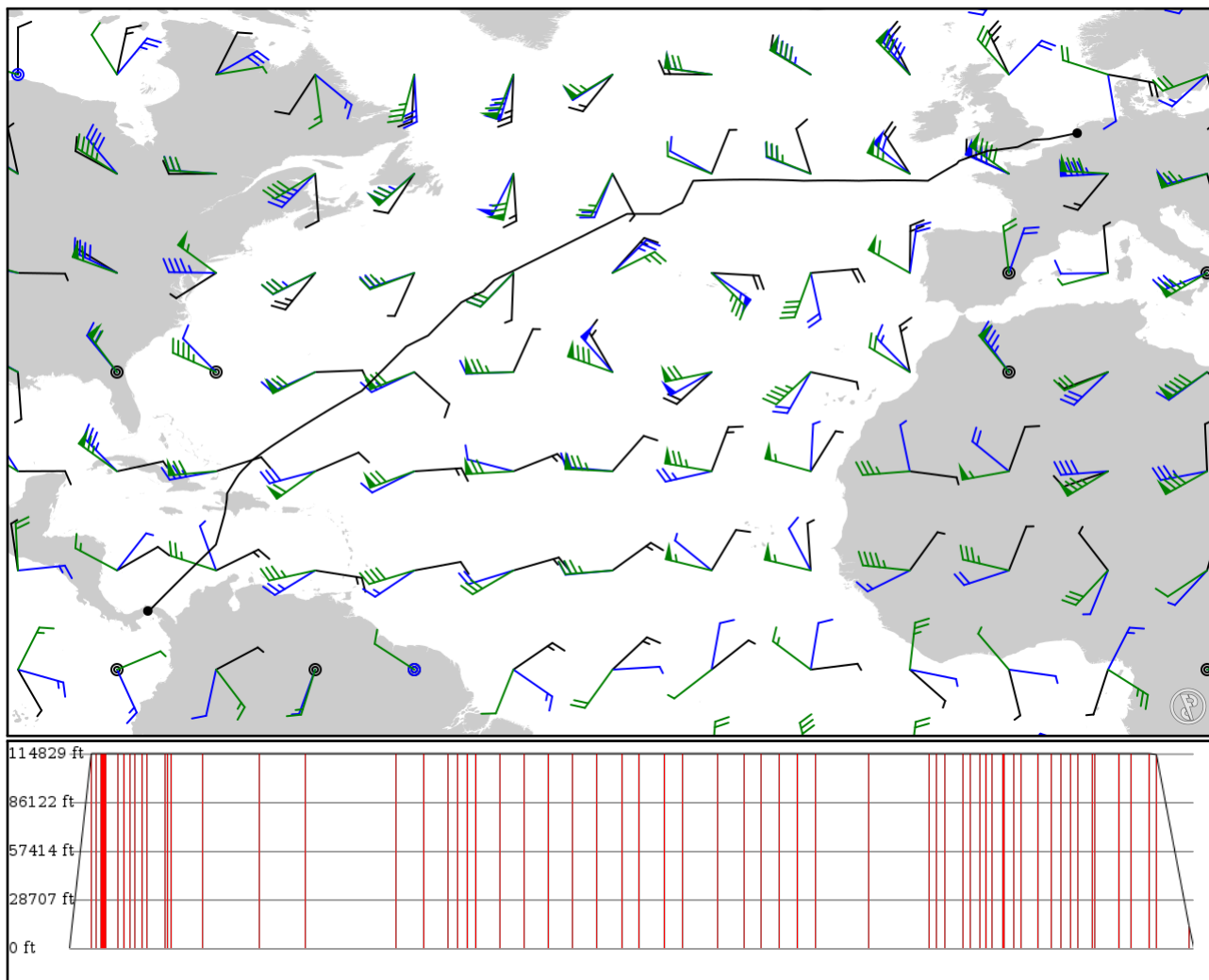
# MPTO

Tocumen Intl

2024/06/05 2216Z

EHAM XAMAN **UL980** MANGO **UL620** SAM SAM **N19** KOXOD **P86** OSMAP MABUG AMPOP ETIKI **G 48/30** 4600N03100W  
4500N03300W 4500N03400W 4500N03500W 4500N03600W 4400N03800W 4300N04000W 4200N04200W 4100N04400W  
4000N04600W 3900N04800W 3800N04900W 3700N05100W 3600N05200W 3400N05400W 3300N05600W 3200N05700W  
3100N05800W 3000N05900W AMENO **M594** CERDA **A554** GTK GTK **G444** BOTES **UG444** LIDOL **A319** OROSA **UA319**  
ERIKO **A319** SIPOK **UA319** AGUJA **A319** PANIL MPTO

4977.71 nm / 9218.72 km



## Notes

Using NAT tracks from 26/5/2023

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
EHAM APT	-	52.30810 4.76417	0 ft 0 m	-	Amsterdam Schiphol
XAMAN FIX	-	51.78470 2.22417	35,000 ft 10,668 m	98	-
LOGAN FIX	UL980 AWY-HI	51.74760 1.61183	35,000 ft 10,668 m	22	-
TRIPO FIX	UL980 AWY-HI	51.71310 1.08278	35,000 ft 10,668 m	19	-
SABER FIX	UL980 AWY-HI	51.70380 0.94950	35,000 ft 10,668 m	4	-
LIVSU FIX	UL980 AWY-HI	51.69690 0.84944	35,000 ft 10,668 m	3	-
MANGO FIX	UL980 AWY-HI	51.69280 0.79056	35,000 ft 10,668 m	2	-
SIRGO FIX	UL620 AWY-HI	51.62940 0.64639	35,000 ft 10,668 m	6	-
GILDA FIX	UL620 AWY-HI	51.60170 0.58361	35,000 ft 10,668 m	2	-
MID VOR	UL620 AWY-HI	51.05400 -0.62500	35,000 ft 10,668 m	56	MIDHURST
SAM DME	UL620 AWY-HI	50.95530 -1.34500	35,000 ft 10,668 m	27	SOUTHAMPTON VOR-DME
SAM VOR	-	50.95520 -1.34506	35,000 ft 10,668 m	0	SOUTHAMPTON
NULGU FIX	N19 AWY-HI	50.87140 -1.99417	35,000 ft 10,668 m	25	-
BEKDA FIX	N19 AWY-HI	50.79690 -2.54583	35,000 ft 10,668 m	21	-
KOXOD FIX	N19 AWY-HI	50.70810 -3.33278	35,000 ft 10,668 m	30	-
ORVUX FIX	P86 AWY-HI	50.53140 -3.85194	35,000 ft 10,668 m	22	-
OSMAP FIX	P86 AWY-HI	49.86970 -5.70806	35,000 ft 10,668 m	81	-
MABUG FIX	-	49.78470 -5.93667	35,000 ft 10,668 m	10	-
AMPOP FIX	-	49.53000 -6.15083	35,000 ft 10,668 m	17	-
ETIKI FIX	-	48.00000 -8.75000	35,000 ft 10,668 m	137	-
48/15 LATLON	G NAT	48.00000 -15.00000	35,000 ft 10,668 m	251	-
48/20 LATLON	G NAT	48.00000 -20.00000	35,000 ft 10,668 m	200	-
48/30 LATLON	G NAT	48.00000 -30.00000	35,000 ft 10,668 m	401	-
4600N03100W LATLON	-	46.00000 -31.00000	35,000 ft 10,668 m	126	-
4500N03300W LATLON	-	45.00000 -33.00000	35,000 ft 10,668 m	103	-
4500N03400W LATLON	-	45.00000 -34.00000	35,000 ft 10,668 m	42	-
4500N03500W	-	45.00000	35,000 ft	42	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-35.00000	10,668 m		
4500N03600W	-	45.00000	35,000 ft	42	-
LATLON	-	-36.00000	10,668 m		
4400N03800W	-	44.00000	35,000 ft	104	-
LATLON	-	-38.00000	10,668 m		
4300N04000W	-	43.00000	35,000 ft	105	-
LATLON	-	-40.00000	10,668 m		
4200N04200W	-	42.00000	35,000 ft	106	-
LATLON	-	-42.00000	10,668 m		
4100N04400W	-	41.00000	35,000 ft	108	-
LATLON	-	-44.00000	10,668 m		
4000N04600W	-	40.00000	35,000 ft	109	-
LATLON	-	-46.00000	10,668 m		
3900N04800W	-	39.00000	35,000 ft	110	-
LATLON	-	-48.00000	10,668 m		
3800N04900W	-	38.00000	35,000 ft	76	-
LATLON	-	-49.00000	10,668 m		
3700N05100W	-	37.00000	35,000 ft	112	-
LATLON	-	-51.00000	10,668 m		
3600N05200W	-	36.00000	35,000 ft	77	-
LATLON	-	-52.00000	10,668 m		
3400N05400W	-	34.00000	35,000 ft	155	-
LATLON	-	-54.00000	10,668 m		
3300N05600W	-	33.00000	35,000 ft	116	-
LATLON	-	-56.00000	10,668 m		
3200N05700W	-	32.00000	35,000 ft	78	-
LATLON	-	-57.00000	10,668 m		
3100N05800W	-	31.00000	35,000 ft	78	-
LATLON	-	-58.00000	10,668 m		
3000N05900W	-	30.00000	35,000 ft	79	-
LATLON	-	-59.00000	10,668 m		
AMENO	-	29.00000	35,000 ft	79	-
FIX	-	-60.00000	10,668 m		
KOZIK	M594	26.80740	35,000 ft	238	-
FIX	AWY-HI	-63.75050	10,668 m		
MCOOP	M594	24.27070	35,000 ft	264	-
FIX	AWY-HI	-67.74410	10,668 m		
MLLER	M594	23.93470	35,000 ft	34	-
FIX	AWY-HI	-68.24890	10,668 m		
MNDEZ	M594	23.58110	35,000 ft	34	-
FIX	AWY-HI	-68.74630	10,668 m		
CERDA	M594	22.74540	35,000 ft	81	-
FIX	AWY-HI	-69.90250	10,668 m		
EYSEL	A554	22.33930	35,000 ft	32	-
FIX	AWY-HI	-70.28930	10,668 m		
NETTA	A554	21.82310	35,000 ft	42	-
FIX	AWY-HI	-70.80310	10,668 m		
GTK	A554	21.44070	35,000 ft	29	GRAND TURK VORTAC
DME	AWY-HI	-71.13440	10,668 m		
GTK	-	21.44000	35,000 ft	0	GRAND TURK
VOR	-	-71.13500	10,668 m		
SAAKO	G444	21.06100	35,000 ft	26	-
FIX	AWY-HI	-71.38910	10,668 m		
BOTES	G444	20.41670	35,000 ft	44	-
FIX	AWY-LO	-71.77500	10,668 m		
TUMAR	UG444	20.26830	35,000 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-71.86670	10,668 m		
HCN	UG444	19.71530	35,000 ft	38	CAP HAITIEN
VOR	AWY-HI	-72.21000	10,668 m		
SEDET	UG444	19.15830	35,000 ft	33	-
FIX	AWY-HI	-72.23170	10,668 m		
KOBEX	UG444	17.94000	35,000 ft	73	-
FIX	AWY-HI	-72.41170	10,668 m		
LENOM	UG444	17.00000	35,000 ft	58	-
FIX	AWY-HI	-72.67000	10,668 m		
IKMAG	UG444	16.25170	35,000 ft	46	-
FIX	AWY-HI	-72.88500	10,668 m		
MAXIN	UG444	15.55330	35,000 ft	43	-
FIX	AWY-HI	-73.08330	10,668 m		
LIDOL	UG444	15.08260	35,000 ft	29	-
FIX	AWY-HI	-73.21640	10,668 m		
OROSA	A319	14.31170	35,000 ft	64	-
FIX	AWY-LO	-74.00000	10,668 m		
ERIKO	UA319	14.16690	35,000 ft	12	-
FIX	AWY-HI	-74.15030	10,668 m		
SIPOK	A319	12.93530	35,000 ft	104	-
FIX	AWY-LO	-75.41940	10,668 m		
NESMO	UA319	12.27440	35,000 ft	55	-
FIX	AWY-HI	-76.09190	10,668 m		
ESKOR	UA319	11.37470	35,000 ft	75	-
FIX	AWY-HI	-77.00000	10,668 m		
AGUJA	UA319	10.95860	34,800 ft	35	-
FIX	AWY-HI	-77.41670	10,607 m		
PANIL	A319	9.24528	4,000 ft	143	-
FIX	AWY-LO	-79.11720	1,219 m		
MPTO	-	9.07140	0 ft	18	Tocumen Intl
APT	-	-79.38350	0 m		

## EHAM

Region: NETHERLANDS  
Timezone: EUROPE/AMSTERDAM  
Runways: 6

Elevation: -11 ft / -3 m  
Location: 52.308100 4.764170  
Magnetic Var: 2.053 E

## METAR

EHAM 052155Z 20005KT CAVOK 10/07 Q1015 NOSIG

## TAF

TAF TAF EHAM 051654Z 0518/0624 21006KT 9999 FEW030 BECMG 0609/0612 28010KT PROB30 TEMPO 0609/0613 7000 -SHRA FEW0

## Frequencies

GND - 121.55 MHz - SCHIPHOL GROUND	GND - 121.70 MHz - SCHIPHOL GROUND
GND - 121.80 MHz - SCHIPHOL GROUND	GND - 121.90 MHz - SCHIPHOL GROUND
GND - 121.60 MHz - SCHIPHOL GROUND	TWR - 119.22 MHz - SCHIPHOL TOWER
TWR - 118.10 MHz - SCHIPHOL TOWER	TWR - 118.27 MHz - SCHIPHOL TOWER
TWR - 119.90 MHz - SCHIPHOL TOWER	APP - 118.80 MHz - AMSTERDAM RADAR
APP - 120.55 MHz - AMSTERDAM RADAR	APP - 127.78 MHz - AMSTERDAM RADAR
APP - 119.05 MHz - SCHIPHOL APPROACH	APP - 118.08 MHz - SCHIPHOL APPROACH
APP - 126.68 MHz - SCHIPHOL APPROACH	APP - 118.40 MHz - SCHIPHOL ARRIVAL
APP - 131.15 MHz - SCHIPHOL ARRIVAL	DEP - 121.20 MHz - SCHIPHOL DEPARTURE
REC - 122.20 MHz - SCHIPHOL ATIS	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	145 ft	11,319 ft	86.77	ASPHALT	325 ft	0 ft
	44 m	3,450 m	84.72		99 m	0 m
27	145 ft	11,319 ft	266.81	ASPHALT	0 ft	0 ft
	44 m	3,450 m	264.76		0 m	0 m
18L	150 ft	11,150 ft	183.24	ASPHALT	1,886 ft	0 ft
	46 m	3,399 m	181.19		575 m	0 m
36R	150 ft	11,150 ft	3.24	ASPHALT	0 ft	0 ft
	46 m	3,399 m	1.19		0 m	0 m
18C	145 ft	10,813 ft	183.22	ASPHALT	0 ft	0 ft
	44 m	3,296 m	181.16		0 m	0 m
36C	145 ft	10,813 ft	3.22	ASPHALT	1,473 ft	0 ft
	44 m	3,296 m	1.16		449 m	0 m
18R	190 ft	12,467 ft	183.19	ASPHALT	886 ft	0 ft
	58 m	3,800 m	181.14		270 m	0 m
36L	190 ft	12,467 ft	3.19	ASPHALT	0 ft	0 ft
	58 m	3,800 m	1.14		0 m	0 m
06	150 ft	11,288 ft	57.85	ASPHALT	814 ft	0 ft
	46 m	3,441 m	55.80		248 m	0 m
24	150 ft	11,288 ft	237.89	ASPHALT	0 ft	0 ft
	46 m	3,441 m	235.84		0 m	0 m
04	140 ft	6,624 ft	41.18	ASPHALT	0 ft	0 ft
	43 m	2,019 m	39.13		0 m	0 m
22	140 ft	6,624 ft	221.20	ASPHALT	0 ft	0 ft
	43 m	2,019 m	219.15		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	DME	KAG	110.55 MHz	18 nm	-	-	-11 ft
				33 km	-		-11 m
18R	DME	VPB	110.10 MHz	18 nm	-	-	-11 ft
				33 km	-		-11 m
22	DME	SCH	109.15 MHz	18 nm	-	-	-11 ft
				33 km	-		-11 m
27	DME	BVB	111.55 MHz	18 nm	-	-	-11 ft
				33 km	-		-11 m
36C	DME	MSA	108.75 MHz	18 nm	-	-	-11 ft
				33 km	-		-11 m
36R	DME	ABA	111.95 MHz	18 nm	-	-	-11 ft
				33 km	-		-11 m
06	LOC-ILS	KAG	110.55 MHz	18 nm	57.88	-	-11 ft
				33 km	55.83		-11 m
18C	LOC-ILS	ZWA	109.50 MHz	18 nm	183.22	-	-11 ft
				33 km	181.17		-11 m
18R	LOC-ILS	VPB	110.10 MHz	18 nm	183.19	-	-11 ft
				33 km	181.14		-11 m
22	LOC-ILS	SCH	109.15 MHz	18 nm	221.20	-	-11 ft
				33 km	219.15		-11 m
27	LOC-ILS	BVB	111.55 MHz	18 nm	266.79	-	-11 ft
				33 km	264.74		-11 m
36C	LOC-ILS	MSA	108.75 MHz	18 nm	3.22	-	-11 ft
				33 km	1.17		-11 m
36R	LOC-ILS	ABA	111.95 MHz	18 nm	3.24	-	-11 ft
				33 km	1.19		-11 m
06	GS	KAG	110.55 MHz	10 nm	57.88	3.00	-11 ft
				19 km	55.83		-11 m
18C	GS	ZWA	109.50 MHz	10 nm	183.22	3.00	-11 ft
				19 km	181.17		-11 m
18R	GS	VPB	110.10 MHz	10 nm	183.19	3.00	-11 ft
				19 km	181.14		-11 m
22	GS	SCH	109.15 MHz	10 nm	221.20	3.00	-11 ft
				19 km	219.15		-11 m
27	GS	BVB	111.55 MHz	10 nm	266.79	3.00	-11 ft
				19 km	264.74		-11 m
36C	GS	MSA	108.75 MHz	10 nm	3.22	3.00	-11 ft
				19 km	1.17		-11 m
36R	GS	ABA	111.95 MHz	10 nm	3.24	3.00	-11 ft
				19 km	1.19		-11 m

## MPTO

Region: PANAMA  
Timezone: AMERICA/PANAMA  
Runways: 2

Elevation: 134 ft / 41 m  
Location: 9.071400 -79.383500  
Magnetic Var: 5.463 W

## METAR

MPTO 052200Z 19007KT 9999 SCT018 29/25 Q1008 NOSIG

## TAF

TAF MPTO 051710Z 0518/0624 29008KT 9999 SCT016 BKN090 PROB30 TEMPO 0519/0523 18010KT 6000 TSRA SCT015CB BKN080 TEMPO 0601/0605 20008KT 4000 TSRA SCT015CB BKN080

## Frequencies

REC - 127.70 MHz - ATIS	TWR - 118.10 MHz - TOCUMEN TOWER
GND - 121.90 MHz - TOCUMEN GROUND	GND - 112.05 MHz - TOCUMEN GROUND
CLD - 129.80 MHz - CLEARANCE DELIVERY	APP - 121.20 MHz - PANAMA APPROACH
APP - 123.30 MHz - PANAMA APPROACH	APP - 119.70 MHz - PANAMA APPROACH
APP - 119.20 MHz - PANAMA APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03R	148 ft	10,049 ft	29.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	34.79		0 m	0 m
21L	148 ft	10,049 ft	209.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	214.79		0 m	0 m
03L	148 ft	8,832 ft	30.67	ASPHALT	814 ft	0 ft
	45 m	2,692 m	36.13		248 m	0 m
21R	148 ft	8,832 ft	210.67	ASPHALT	0 ft	0 ft
	45 m	2,692 m	216.14		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03R	DME	INAT	110.70 MHz	18 nm	-	-	50 ft
				33 km	-		50 m
03R	LOC-ILS	INAT	110.70 MHz	18 nm	29.33	-	134 ft
				33 km	34.79		134 m
03R	GS	INAT	110.70 MHz	10 nm	29.33	3.00	134 ft
				19 km	34.79		134 m