

# MUHA

Havana Jose Marti Intl

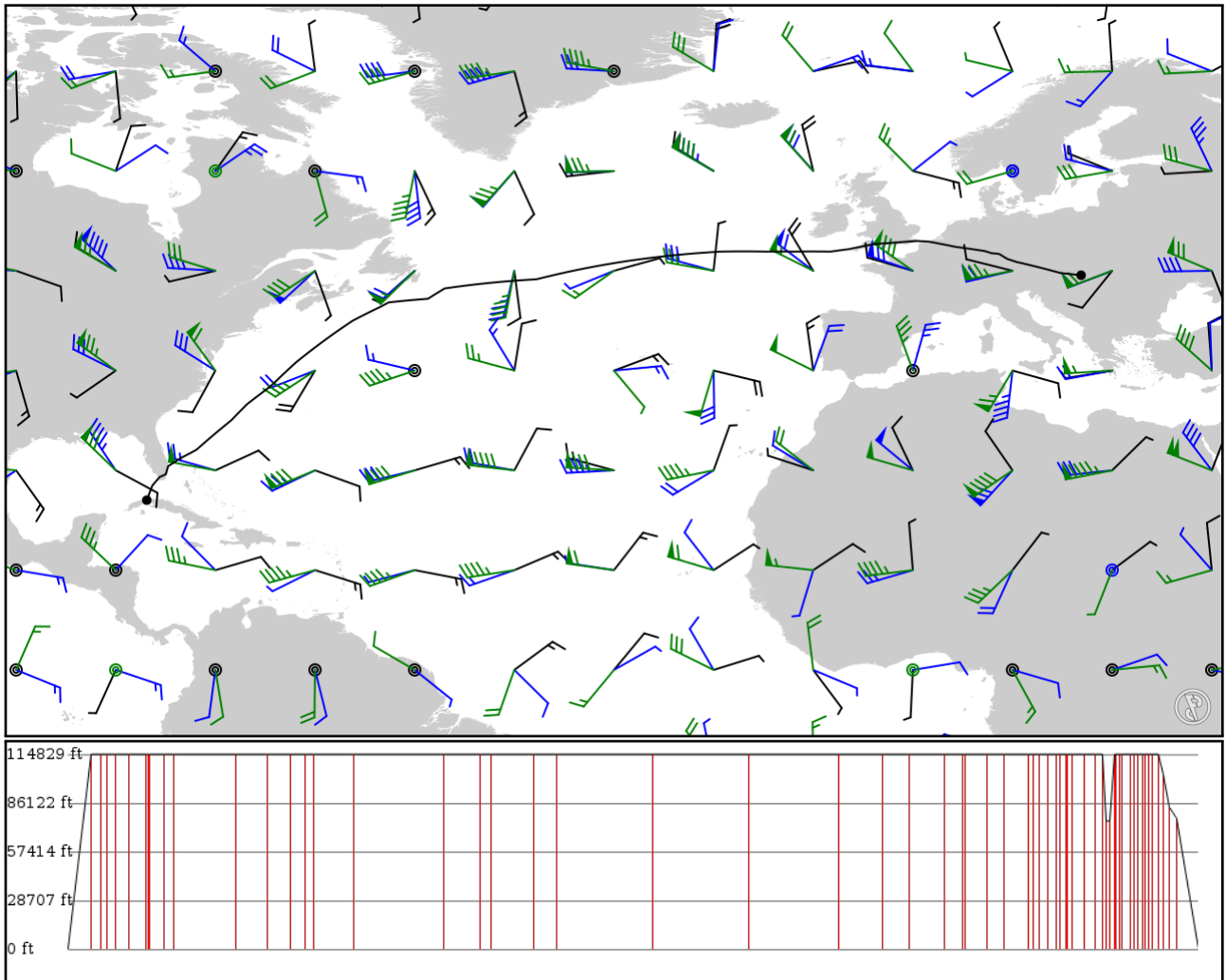
# LHBP

Ferihegy (Budapest)

2024/05/12 1853Z

MUHA EYW **J79** PBI **A699** NUCAR **N28C** BURTT **A699** LOMPI NANSO **N27A** RAFIN +46.000\_--50.000 **X** SOMAX **UL739**  
GAPLI **UN20** SAM **UM140** DVR **UL9** KONAN **UL607** AMASI **UM149** DETEV LEPSA **Z104** VADRU **UL610** ABETI LHBP

4939.56 nm / 9148.07 km



## Notes

Using NAT tracks from 24/1/2016

Basic altitude profile:

- Ascent Rate: 1000ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 30000ft
- Cruise Speed: 500kts
- Descent Rate: 2000ft/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
MUHA	-	22.98915	0 ft	-	Havana Jose Marti Intl
APT	-	-82.40909	0 m		
EYW	-	24.58588	35,000 ft	101	KEY WEST VORTAC
DME	-	-81.80048	10,668 m		
CARNU	J79	25.13837	35,000 ft	42	-
FIX	AWY-HI	-81.32559	10,668 m		
DVALL	J79	25.51469	35,000 ft	28	-
FIX	AWY-HI	-80.99896	10,668 m		
DHP	J79	25.79997	35,000 ft	39	DOLPHIN VORTAC
VOR	AWY-HI	-80.34903	10,668 m		
PBI	J79	26.68006	35,000 ft	54	PALM BEACH VORTAC
VOR	AWY-HI	-80.08650	10,668 m		
PERMT	A699	27.41420	35,000 ft	75	-
FIX	AWY-HI	-78.94727	10,668 m		
RAMJT	A699	27.52044	35,000 ft	10	-
FIX	AWY-HI	-78.78000	10,668 m		
STIFF	A699	27.60518	35,000 ft	8	-
FIX	AWY-HI	-78.64612	10,668 m		
NUCAR	A699	28.12603	35,000 ft	62	-
FIX	AWY-HI	-77.63300	10,668 m		
LOUIZ	N28C	28.47283	35,000 ft	39	-
FIX	AWY-HI	-77.00000	10,668 m		
BURTT	N28C	31.66890	35,000 ft	274	-
FIX	AWY-HI	-73.21600	10,668 m		
ODEAL	A699	33.43088	35,000 ft	137	-
FIX	AWY-HI	-71.48221	10,668 m		
HUBER	A699	34.58261	35,000 ft	101	-
FIX	AWY-HI	-69.98375	10,668 m		
DANER	A699	35.26667	35,000 ft	61	-
FIX	AWY-HI	-69.06667	10,668 m		
CLXTN	A699	35.72294	35,000 ft	37	-
FIX	AWY-HI	-68.55608	10,668 m		
AKERS	A699	37.97820	35,000 ft	177	-
FIX	AWY-HI	-66.15546	10,668 m		
FOCUS	A699	42.50000	35,000 ft	391	-
FIX	AWY-HI	-60.00000	10,668 m		
LOMPI	A699	44.00000	35,000 ft	159	-
FIX	AWY-HI	-57.00000	10,668 m		
NANSO	-	44.48889	35,000 ft	49	-
FIX	-	-56.07111	10,668 m		
RAFIN	N27A	44.88333	35,000 ft	183	-
FIX	AWY-HI	-51.80472	10,668 m		
+46.000_--50.000	-	46.00000	35,000 ft	101	-
LATLON	-	-50.00000	10,668 m		
+47.000_--40.000	X	47.00000	35,000 ft	417	-
LATLON	NAT	-40.00000	10,668 m		
+49.000_--30.000	X	49.00000	35,000 ft	419	-
LATLON	NAT	-30.00000	10,668 m		
+50.000_--20.000	X	50.00000	35,000 ft	394	-
LATLON	NAT	-20.00000	10,668 m		
SOMAX	X	50.00000	35,000 ft	192	-
FIX	NAT	-15.00000	10,668 m		
KENUK	UL739	50.00000	35,000 ft	115	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-12.00000	10,668 m		
GAPLI	UL739	50.00000	35,000 ft	154	-
FIX	AWY-HI	-8.00000	10,668 m		
RIDGI	UN20	50.27083	35,000 ft	79	-
FIX	AWY-HI	-5.99139	10,668 m		
GITUS	UN20	50.33333	35,000 ft	11	-
FIX	AWY-HI	-5.70000	10,668 m		
BUMUX	UN20	50.80444	35,000 ft	94	-
FIX	AWY-HI	-3.34944	10,668 m		
SAM	UN20	50.95528	35,000 ft	76	SOUTHAMPTON VOR-DME
VOR	AWY-HI	-1.34500	10,668 m		
DVR	UM140	51.16250	35,000 ft	102	DOVER VOR-DME
VOR	AWY-HI	1.35917	10,668 m		
KONAN	UL9	51.13083	35,000 ft	24	-
FIX	AWY-HI	2.00000	10,668 m		
KOK	UL607	51.09472	35,000 ft	24	KOKSY VORTAC
VOR	AWY-HI	2.65167	10,668 m		
FERDI	UL607	50.91264	35,000 ft	38	-
FIX	AWY-HI	3.63696	10,668 m		
BUPAL	UL607	50.72306	35,000 ft	38	-
FIX	AWY-HI	4.60111	10,668 m		
REMBA	UL607	50.66223	35,000 ft	12	-
FIX	AWY-HI	4.91403	10,668 m		
SPI	UL607	50.51472	35,000 ft	28	SPRIMONT VOR-DME
VOR	AWY-HI	5.62333	10,668 m		
PELIX	UL607	50.49694	35,000 ft	5	-
FIX	AWY-HI	5.76250	10,668 m		
MATUG	UL607	50.41667	35,000 ft	23	-
FIX	AWY-HI	6.36972	10,668 m		
AMASI	UL607	50.24028	35,000 ft	48	-
FIX	AWY-HI	7.60611	10,668 m		
BOMBI	UM149	50.05667	35,000 ft	47	-
FIX	AWY-HI	8.80028	10,668 m		
DETEV	UM149	49.82361	35,000 ft	31	-
FIX	AWY-HI	9.54194	10,668 m		
LEPSA	-	49.82278	35,000 ft	1	-
FIX	-	9.59056	10,668 m		
OLIXA	Z104	49.78972	23,000 ft	16	-
FIX	AWY-LO	10.02250	7,010 m		
VADRU	Z104	49.73611	23,000 ft	14	-
FIX	AWY-LO	10.37500	7,010 m		
LANGI	UL610	49.48861	35,000 ft	21	-
FIX	AWY-HI	10.77861	10,668 m		
INBED	UL610	49.38750	35,000 ft	8	-
FIX	AWY-HI	10.94167	10,668 m		
ALB	UL610	49.21437	35,000 ft	15	ALLERSBERG VOR-DME
VOR	AWY-HI	11.22144	10,668 m		
UNKUL	UL610	49.13722	35,000 ft	10	-
FIX	AWY-HI	11.45972	10,668 m		
MAMOR	UL610	48.88583	35,000 ft	33	-
FIX	AWY-HI	12.22222	10,668 m		
STAUB	UL610	48.78583	35,000 ft	18	-
FIX	AWY-HI	12.65806	10,668 m		
GONBA	UL610	48.68778	35,000 ft	17	-
FIX	AWY-HI	13.07583	10,668 m		
RENKA	UL610	48.58484	35,000 ft	18	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	13.50522	10,668 m		
PABSA	UL610	48.52827	35,000 ft	9	-
FIX	AWY-HI	13.73814	10,668 m		
FRE	UL610	48.43178	35,000 ft	16	FREISTADT VOR-DME
VOR	AWY-HI	14.12983	10,668 m		
MOTIX	UL610	48.31850	35,000 ft	19	-
FIX	AWY-HI	14.58564	10,668 m		
LUGIM	UL610	48.18562	35,000 ft	22	-
FIX	AWY-HI	15.10902	10,668 m		
TAGAS	UL610	48.04399	31,400 ft	23	-
FIX	AWY-HI	15.65397	9,571 m		
SNU	UL610	47.87488	25,500 ft	27	SOLLENAU VOR-DME
VOR	AWY-HI	16.28844	7,772 m		
ABETI	UL610	47.67771	23,500 ft	31	-
FIX	AWY-HI	17.01284	7,163 m		
LHBP	-	47.43529	0 ft	92	Ferihegy (Budapest)
APT	-	19.26579	0 m		

## MUHA

Region: CUBA  
Timezone: AMERICA/HAVANA  
Runways: 1

Elevation: 208 ft / 63 m  
Location: 22.989100 -82.409100  
Magnetic Var: 5.658 W

## METAR

MUHA 121750Z 03008KT 010V070 9000 BKN030 32/24 Q1014

## TAF

MUHA 121700Z 1218/1318 03008KT 9000 SCT030 TEMPO 1218/1223 BKN030 BECMG 1302/1304 VRB03KT PROB30 TEMPO 1305/1307

## Frequencies

REC - 132.50 MHz - ATIS  
TWR - 118.10 MHz - MARTI TOWER

GND - 121.90 MHz - MARTI GROUND  
APP - 120.30 MHz - HABANA APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06	151 ft	13,135 ft	54.19	ASPHALT	0 ft	469 ft
	46 m	4,004 m	59.85		0 m	143 m
24	151 ft	13,135 ft	234.21	ASPHALT	0 ft	197 ft
	46 m	4,004 m	239.86		0 m	60 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	LOC-ILS	IHA	110.50 MHz	18 nm	54.21	-	209 ft
				33 km	59.87		209 m
06	GS	IHA	110.50 MHz	10 nm	54.21	3.00	209 ft
				19 km	59.87		209 m

## LHBP

Region: HUNGARY  
Timezone: EUROPE/BUDAPEST  
Runways: 2

Elevation: 495 ft / 151 m  
Location: 47.436900 19.255600  
Magnetic Var: 5.502 E

## METAR

LHBP 121830Z 11008KT CAVOK 17/02 Q1018 NOSIG

## TAF

TAF TAF LHBP 121715Z 1218/1318 08009KT CAVOK TEMPO 1223/1306 35004KT

## Frequencies

REC - 117.30 MHz - ATIS	REC - 132.37 MHz - ATIS
TWR - 119.97 MHz - BUDAPEST TOWER	TWR - 118.10 MHz - BUDAPEST TOWER
GND - 121.90 MHz - BUDAPEST GROUND	CLD - 134.55 MHz - CLEARANCE DELIVERY
APP - 119.50 MHz - BUDAPEST APPROACH	APP - 122.97 MHz - BUDAPEST APPROACH
APP - 123.85 MHz - BUDAPEST APPROACH	APP - 124.90 MHz - BUDAPEST APPROACH
REC - 119.35 MHz - BUDAPEST INFORMATION	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13R	148 ft	9,882 ft	132.42	CONCRETE	0 ft	0 ft
	45 m	3,012 m	126.92		0 m	0 m
31L	148 ft	9,882 ft	312.44	CONCRETE	0 ft	0 ft
	45 m	3,012 m	306.94		0 m	0 m
13L	148 ft	12,175 ft	132.46	CONCRETE	0 ft	0 ft
	45 m	3,711 m	126.96		0 m	0 m
31R	148 ft	12,175 ft	312.49	CONCRETE	0 ft	0 ft
	45 m	3,711 m	306.99		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13L	DME	BPL	111.70 MHz	27 nm	-	-	495 ft
				50 km	-		495 m
13R	DME	FER	110.50 MHz	27 nm	-	-	495 ft
				50 km	-		495 m
31L	DME	FHL	111.50 MHz	14 nm	-	-	495 ft
				26 km	-		495 m
31R	DME	BPR	109.50 MHz	32 nm	-	-	495 ft
				59 km	-		495 m
13L	LOC-ILS	BPL	109.15 MHz	18 nm	132.48	-	495 ft
				33 km	126.98		495 m
13R	LOC-ILS	FER	110.50 MHz	18 nm	132.44	-	495 ft
				33 km	126.94		495 m
31L	LOC-ILS	FHL	111.50 MHz	18 nm	312.44	-	495 ft
				33 km	306.94		495 m
31R	LOC-ILS	BPR	109.50 MHz	18 nm	312.48	-	495 ft
				33 km	306.98		495 m
13L	GS	BPL	109.15 MHz	10 nm	132.48	3.00	495 ft
				19 km	126.98		495 m
13R	GS	FER	110.50 MHz	10 nm	132.44	3.00	495 ft
				19 km	126.94		495 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
31L	GS	FHL	111.50 MHz	10 nm	312.44	3.00	495 ft
				19 km	306.94		495 m
31R	GS	BPR	109.50 MHz	10 nm	312.48	3.00	495 ft
				19 km	306.98		495 m