

LSZH

Zurich

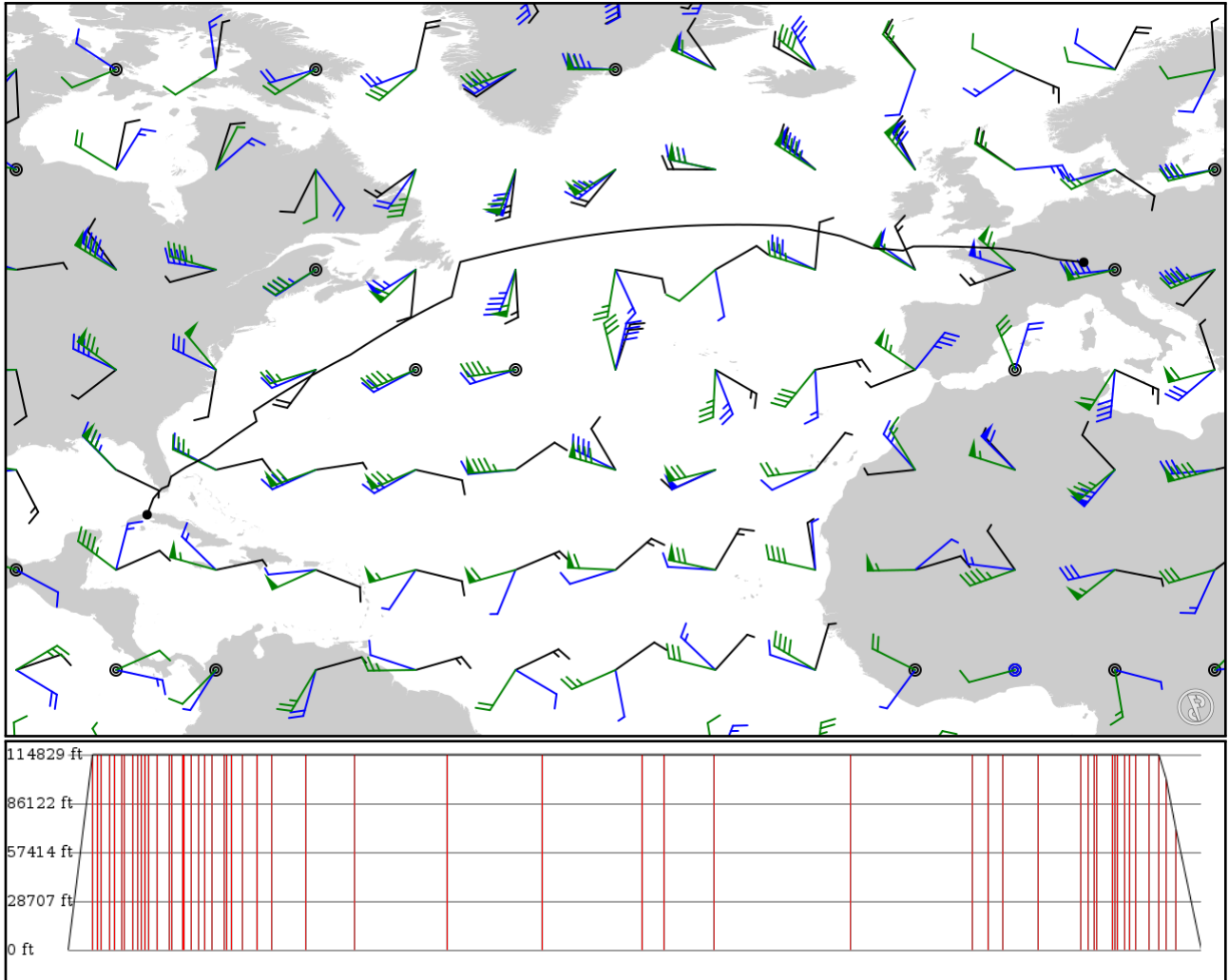
MUHA

Jose Marti Intl

2024/05/01 0816Z

LSZH IXILU **UL613** RLP **G4** TRO **UM164** BRY **UM729** RESMI **UN491** MOSIS **N491** TAKAS LASNO TAMEL OMOKO SOMAX
D 51/20 G NISCO BOBTU **M203** LSIER **L453** ALOBI **M204** SUMRS **A699** PBI **J79** EYW MUHA

4628.30 nm / 8571.61 km



Notes

Using NAT tracks from 23/4/2022

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 Type	Via	Lat Lon	Alt	Dist (nm)	Name
LSZH	-	47.46350	0 ft	-	Zurich
APT	-	8.54995	0 m		
IXILU	-	47.74030	35,000 ft	102	-
FIX	-	6.04139	10,668 m		
RESPO	UL613	47.83280	35,000 ft	18	-
FIX	AWY-HI	5.60800	10,668 m		
RLP	UL613	47.90630	35,000 ft	15	ROLAMPONT
VOR	AWY-HI	5.24917	10,668 m		
ERTIP	G4	48.13440	35,000 ft	36	-
FIX	AWY-LO	4.40667	10,668 m		
TRO	G4	48.25120	35,000 ft	19	TROYES BARBEREY
VOR	AWY-LO	3.96314	10,668 m		
BRY	UM164	48.40700	35,000 ft	28	BRAY SUR SEINE
VOR	AWY-HI	3.29478	10,668 m		
AMODO	UM729	48.41940	35,000 ft	12	-
FIX	AWY-HI	2.98028	10,668 m		
RESMI	UM729	48.56860	35,000 ft	32	-
FIX	AWY-HI	2.19194	10,668 m		
TABOV	UN491	48.64420	35,000 ft	22	-
FIX	AWY-HI	1.64889	10,668 m		
PIGOP	UN491	48.68580	35,000 ft	12	-
FIX	AWY-HI	1.33889	10,668 m		
DITAL	UN491	48.74470	35,000 ft	18	-
FIX	AWY-HI	0.88917	10,668 m		
LGL	UN491	48.79060	35,000 ft	14	L'AIGLE
VOR	AWY-HI	0.53028	10,668 m		
GALBO	UN491	48.83810	35,000 ft	30	-
FIX	AWY-HI	-0.25000	10,668 m		
EKRAS	UN491	48.89940	35,000 ft	49	-
FIX	AWY-HI	-1.49917	10,668 m		
UPALO	UN491	48.91030	35,000 ft	9	-
FIX	AWY-HI	-1.75194	10,668 m		
BASIK	UN491	48.95360	35,000 ft	47	-
FIX	AWY-HI	-2.95111	10,668 m		
BETUV	UN491	48.95440	35,000 ft	6	-
FIX	AWY-HI	-3.12222	10,668 m		
RUSIB	UN491	48.97690	35,000 ft	27	-
FIX	AWY-HI	-3.80861	10,668 m		
NERLA	UN491	48.99310	35,000 ft	32	-
FIX	AWY-HI	-4.63194	10,668 m		
ERPOM	UN491	49.00180	35,000 ft	24	-
FIX	AWY-HI	-5.24092	10,668 m		
DEKOR	UN491	49.00720	35,000 ft	27	-
FIX	AWY-HI	-5.93306	10,668 m		
MOSIS	UN491	49.00720	35,000 ft	50	-
FIX	AWY-HI	-7.21472	10,668 m		
ALUTA	N491	49.00530	35,000 ft	11	-
FIX	AWY-HI	-7.49806	10,668 m		
TAKAS	N491	49.00000	35,000 ft	19	-
FIX	AWY-HI	-8.00000	10,668 m		
LASNO	-	48.59830	35,000 ft	46	-
FIX	-	-9.00000	10,668 m		
TAMEL	-	48.72860	35,000 ft	59	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	-10.49720	10,668 m		
OMOKO	-	48.83890	35,000 ft	59	-
FIX	-	-12.00000	10,668 m		
SOMAX	-	50.00000	35,000 ft	136	-
FIX	-	-15.00000	10,668 m		
51/20	D	51.00000	35,000 ft	200	-
LATLON	NAT	-20.00000	10,668 m		
51/30	G	51.00000	35,000 ft	377	-
LATLON	NAT	-30.00000	10,668 m		
50/40	G	50.00000	35,000 ft	386	-
LATLON	NAT	-40.00000	10,668 m		
48/50	G	48.00000	35,000 ft	411	-
LATLON	NAT	-50.00000	10,668 m		
NICSO	G	47.50000	35,000 ft	86	-
FIX	NAT	-52.00000	10,668 m		
BOBTU	-	44.11720	35,000 ft	206	-
FIX	-	-52.82220	10,668 m		
SELIM	M203	38.50000	35,000 ft	557	-
FIX	AWY-HI	-62.66890	10,668 m		
PERDO	M203	33.68720	35,000 ft	498	-
FIX	AWY-HI	-71.03700	10,668 m		
LSIER	M203	33.02800	35,000 ft	64	-
FIX	AWY-HI	-72.04180	10,668 m		
ALOBI	L453	32.04540	35,000 ft	60	-
FIX	AWY-HI	-71.78000	10,668 m		
FLUPS	M204	30.57670	35,000 ft	142	-
FIX	AWY-HI	-73.95680	10,668 m		
SUMRS	M204	28.71170	35,000 ft	176	-
FIX	AWY-HI	-76.55850	10,668 m		
LOUIZ	A699	28.47280	35,000 ft	27	-
FIX	AWY-HI	-77.00000	10,668 m		
HOOKY	A699	28.21430	35,000 ft	29	-
FIX	AWY-HI	-77.47290	10,668 m		
NUCAR	A699	28.12600	35,000 ft	9	-
FIX	AWY-HI	-77.63300	10,668 m		
STIFF	A699	27.60520	35,000 ft	62	-
FIX	AWY-HI	-78.64610	10,668 m		
RAMJT	A699	27.52040	35,000 ft	8	-
FIX	AWY-HI	-78.78000	10,668 m		
PERMT	A699	27.41420	35,000 ft	10	-
FIX	AWY-HI	-78.94730	10,668 m		
AMNDA	A699	27.10000	35,000 ft	32	-
FIX	AWY-HI	-79.43640	10,668 m		
SLIDZ	A699	26.92360	35,000 ft	18	-
FIX	AWY-HI	-79.70850	10,668 m		
PBI	A699	26.68010	35,000 ft	24	PALM BEACH
VOR	AWY-HI	-80.08650	10,668 m		
DHP	J79	25.80000	35,000 ft	54	DOLPHIN (MIAMI)
VOR	AWY-HI	-80.34900	10,668 m		
DVALL	J79	25.51470	35,000 ft	39	-
FIX	AWY-HI	-80.99900	10,668 m		
CARNU	J79	25.13840	30,700 ft	28	-
FIX	AWY-HI	-81.32560	9,357 m		
EYW	J79	24.58590	21,700 ft	42	KEY WEST
VOR	AWY-HI	-81.80050	6,614 m		
MUHA	-	22.98910	0 ft	101	Jose Marti Intl

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
APT	-	-82.40910	0 m		

LSZH

Region: SWITZERLAND
Timezone: EUROPE/ZURICH
Runways: 3

Elevation: 1,416 ft / 432 m
Location: 47.463500 8.549950
Magnetic Var: 3.122 E

METAR

LSZH 010750Z VRB02KT CAVOK 14/09 Q1006 NOSIG

TAF

TAF LSZH 010525Z 0106/0212 VRB02KT CAVOK TX25/0115Z TN08/0106Z TN11/0204Z BECMG 0108/0111 06008KT BECMG 0113/0116 06008KT

Frequencies

REC - 125.72 MHz - ATIS	GND - 121.90 MHz - ZURICH GROUND
GND - 118.15 MHz - ZURICH GROUND	GND - 119.75 MHz - ZURICH GROUND
GND - 121.75 MHz - ZURICH APRON	GND - 121.70 MHz - ZURICH APRON
GND - 121.85 MHz - ZURICH APRON	GND - 121.97 MHz - ZURICH APRON
TWR - 118.10 MHz - ZURICH TOWER	TWR - 120.22 MHz - ZURICH TOWER
TWR - 119.70 MHz - ZURICH TOWER	APP - 118.00 MHz - ZURICH ARRIVAL
APP - 135.22 MHz - ZURICH APPROACH	APP - 125.32 MHz - ZURICH FINAL
APP - 120.75 MHz - ZURICH FINAL	DEP - 125.95 MHz - ZURICH DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	197 ft	12,181 ft	155.03	CONCRETE	0 ft	62 ft
	60 m	3,713 m	151.91		0 m	19 m
34	197 ft	12,181 ft	335.05	CONCRETE	1,542 ft	49 ft
	60 m	3,713 m	331.93		470 m	15 m
14	197 ft	10,816 ft	137.29	CONCRETE	492 ft	75 ft
	60 m	3,297 m	134.17		150 m	23 m
32	197 ft	10,816 ft	317.31	CONCRETE	0 ft	82 ft
	60 m	3,297 m	314.19		0 m	25 m
10	197 ft	8,196 ft	95.99	CONCRETE	0 ft	62 ft
	60 m	2,498 m	92.87		0 m	19 m
28	197 ft	8,196 ft	276.02	CONCRETE	0 ft	276 ft
	60 m	2,498 m	272.90		0 m	84 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
14	DME	IKL	108.30 MHz	18 nm	-	-	1,460 ft
				33 km	-		1,460 m
16	DME	IZH	110.50 MHz	18 nm	-	-	1,400 ft
				33 km	-		1,400 m
28	DME	IZW	109.75 MHz	18 nm	-	-	1,416 ft
				33 km	-		1,416 m
34	DME	IZS	110.75 MHz	18 nm	-	-	1,410 ft
				33 km	-		1,410 m
14	LOC-ILS	IKL	111.75 MHz	18 nm	137.31	-	1,417 ft
				33 km	134.19		1,417 m
16	LOC-ILS	IZH	110.50 MHz	18 nm	155.05	-	1,417 ft
				33 km	151.93		1,417 m
28	LOC-ILS	IZW	109.75 MHz	18 nm	276.01	-	1,417 ft
				33 km	272.89		1,417 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34	LOC-ILS	IZS	110.75 MHz	18 nm	335.06	-	1,417 ft
				33 km	331.94		1,417 m
14	GS	IKL	111.75 MHz	10 nm	137.31	3.00	1,417 ft
				19 km	134.19		1,417 m
16	GS	IZH	110.50 MHz	10 nm	155.05	3.00	1,417 ft
				19 km	151.93		1,417 m
28	GS	IZW	109.75 MHz	10 nm	276.01	3.30	1,417 ft
				19 km	272.89		1,417 m
34	GS	IZS	110.75 MHz	10 nm	335.06	3.30	1,417 ft
				19 km	331.94		1,417 m

MUHA

Region: CUBA
Timezone: AMERICA/HAVANA
Runways: 1

Elevation: 208 ft / 63 m
Location: 22.989100 -82.409100
Magnetic Var: 5.655 W

METAR

MUHA 010750Z 01002KT 8000 FEW030 19/19 Q1013

TAF

MUHA 010500Z 0106/0206 VRB03KT 9000 SCT033 BECMG 0113/0115 04012KT

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	59.86		209 m
06	GS	IHA	110.50 MHz	10 nm	54.21	3.00	209 ft
				19 km	59.86		209 m