

MPTO

Tocumen Intl

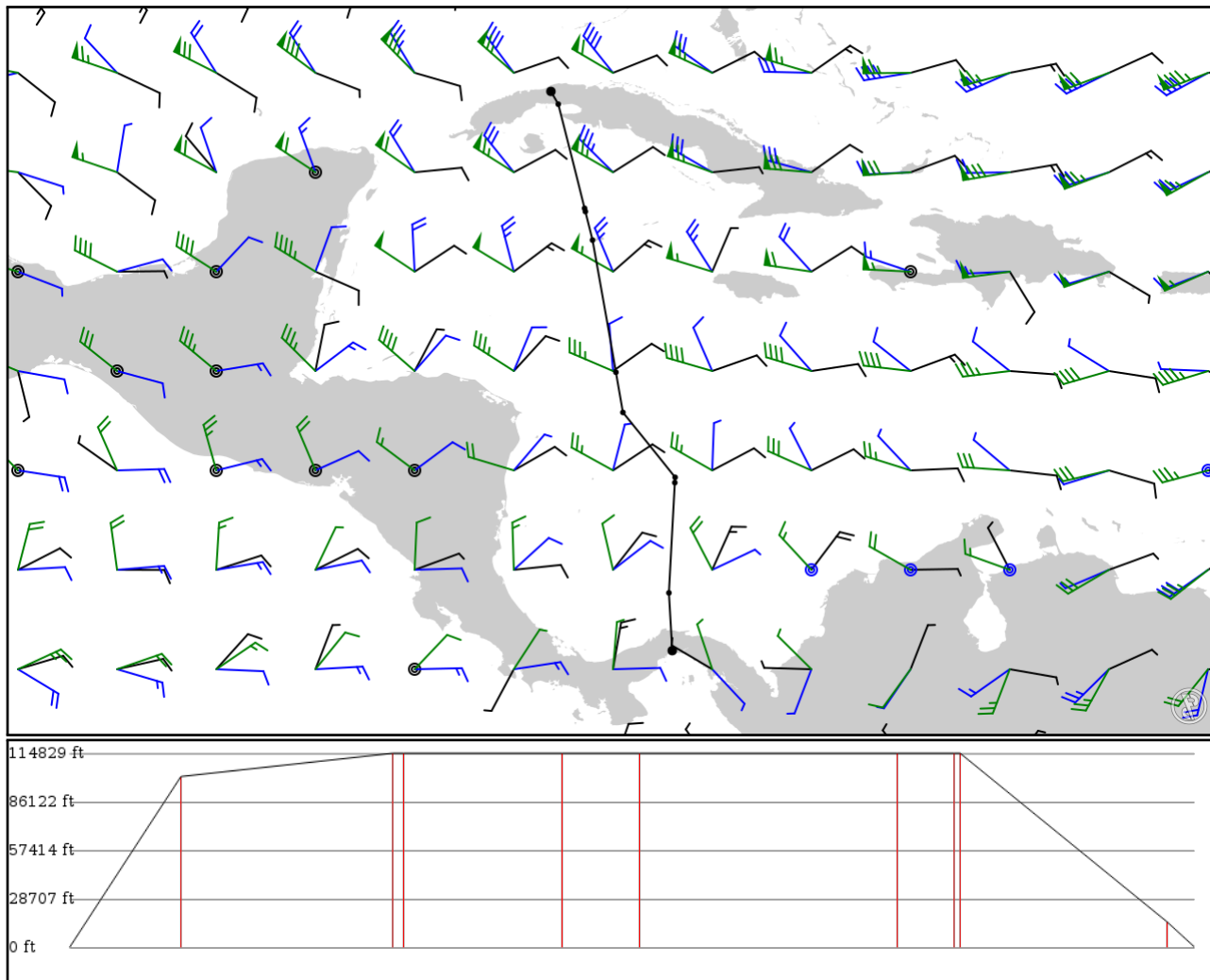
MUHA

Jose Marti Intl

2024/05/15 1939Z

MPTO MARMA **UG437** TOLIN LONET **UM782** ARNAL **UL465** DUTAN MUHA

874.08 nm / 1618.79 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: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
MPTO	-	9.07138	0 ft	-	Tocumen Intl
APT	-	-79.38340	0 m		
MARMA	-	10.50940	30,800 ft	86	-
FIX	-	-79.46640	9,388 m		
TOLIN	UG437	13.25190	35,000 ft	164	-
FIX	AWY-HI	-79.32000	10,668 m		
LONET	-	13.38560	35,000 ft	8	-
FIX	-	-79.31250	10,668 m		
ARNAL	UM782	15.00000	35,000 ft	123	-
FIX	AWY-HI	-80.61420	10,668 m		
EMASA	UL465	16.00000	35,000 ft	60	-
FIX	AWY-HI	-80.78780	10,668 m		
GCM	UL465	19.28940	35,000 ft	200	GRAND CAYMAN
VOR	AWY-HI	-81.37200	10,668 m		
TULEV	UL465	20.00000	35,000 ft	43	-
FIX	AWY-HI	-81.55000	10,668 m		
TIBEN	UL465	20.08060	35,000 ft	4	-
FIX	AWY-HI	-81.57060	10,668 m		
DUTAN	UL465	22.67170	4,600 ft	159	-
FIX	AWY-HI	-82.22610	1,402 m		
MUHA	-	22.98910	0 ft	21	Jose Marti Intl
APT	-	-82.40910	0 m		

MPTO

Region: PANAMA
Timezone: AMERICA/PANAMA
Runways: 2

Elevation: 134 ft / 41 m
Location: 9.071400 -79.383500
Magnetic Var: 5.455 W

METAR

MPTO 151900Z 16008KT 8000SW VCSH FEW008 SCT016 BKN090 28/26 Q1011 RERA NOSIG

TAF

TAF MPTO 151650Z 1518/1624 17008KT 9999 SCT018 PROB40 1519/1523 5000 TSRA FEW004 SCT015CB BKN080 TEMPO 1605/1609

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	34.78		0 m	0 m
21L	148 ft	10,049 ft	209.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	214.78		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	216.13		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	34.78		134 m
03R	GS	INAT	110.70 MHz	10 nm	29.33	3.00	134 ft
				19 km	34.78		134 m

MUHA

Region: CUBA
Timezone: AMERICA/HAVANA
Runways: 1

Elevation: 208 ft / 63 m
Location: 22.989100 -82.409100
Magnetic Var: 5.659 W

METAR

MUHA 151850Z 19011KT 130V220 9999 FEW030 33/21 Q1013

TAF

MUHA 151700Z 1518/1618 19013KT 9000 SCT030 BECMG 1602/1604 18007KT BECMG 1615/1617 19015KT

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	239.87		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