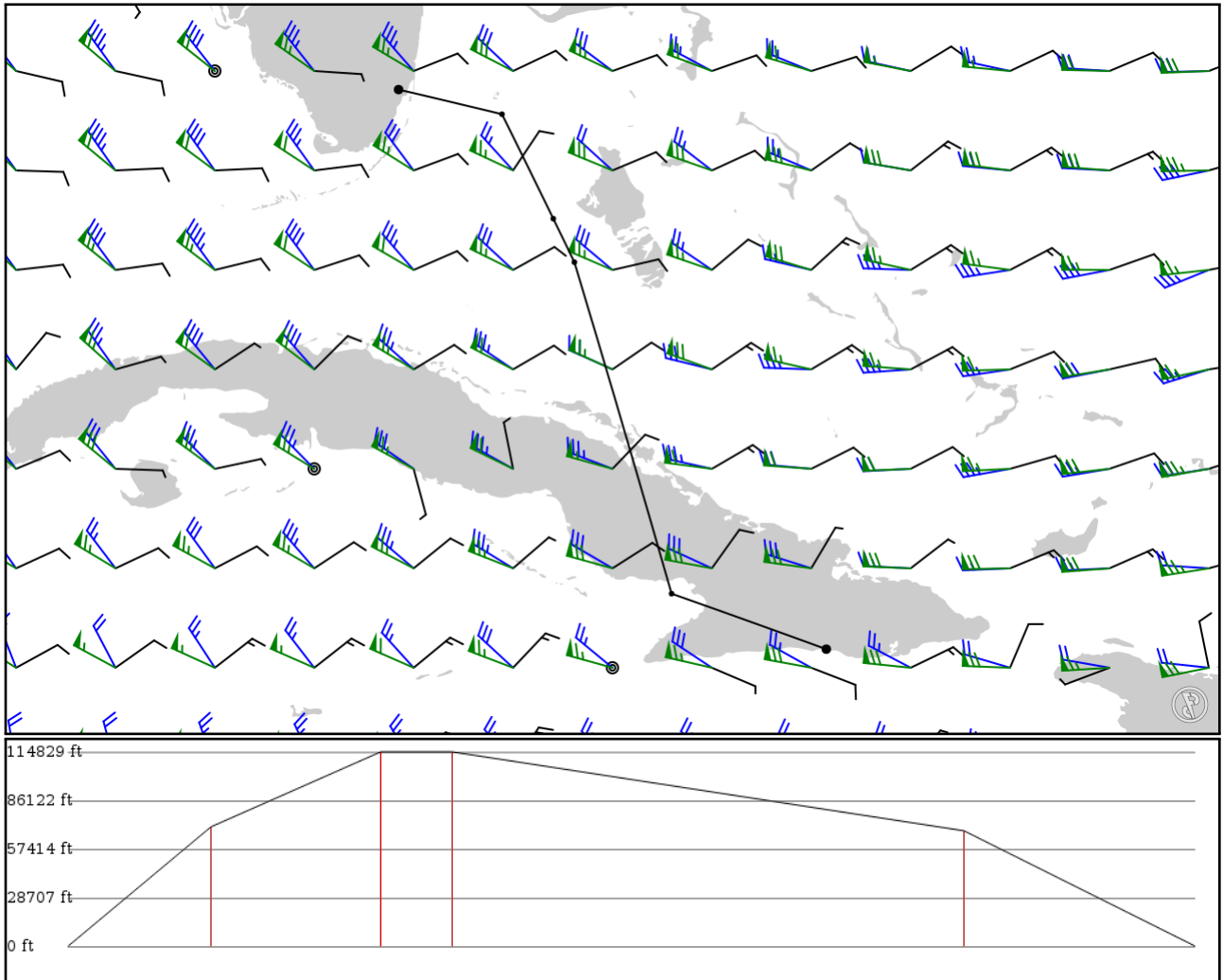


2024/05/11 0409Z

KMIA LEEVI **B760** BORDO **UL417** NEFTU MUCU

473.38 nm / 876.70 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: yes
- Use high airways: yes

Route

Ident Type		Via	Lat Lon	Alt	Dist (nm)	Name
KMIA	-	25.79620	0 ft	-	Miami Intl	
APT	-	-80.28970	0 m			
LEEVI	-	25.53980	21,500 ft	60	-	
FIX	-	-79.21270	6,553 m			
MENDL	B760	24.45260	35,000 ft	71	-	
FIX	AWY-HI	-78.67840	10,668 m			
BORDO	B760	24.00010	35,000 ft	29	-	
FIX	AWY-HI	-78.45890	10,668 m			
NEFTU	UL417	20.55000	20,800 ft	214	-	
FIX	AWY-HI	-77.44690	6,340 m			
MUCU	-	19.97240	0 ft	97	Santiago de Cuba Antonio Maceo Intl	
APT	-	-75.83550	0 m			

KMIA

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 4

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.274 W

METAR

KMIA 110253Z 25008KT 10SM CLR 27/23 A2987 RMK A02 SLP115 T02720228 53017 \$

TAF

KMIA 110252Z 1103/1206 24007KT P6SM SKC FM110600 VRB05KT P6SM FEW030 SCT250 FM111500 24011KT P6SM SCT030 BKN250

Frequencies

REC - 119.15 MHz - D-ATIS	REC - 133.67 MHz - D-ATIS
COM - 123.00 MHz - UNICOM	CLD - 135.35 MHz - CLEARANCE DELIVERY
GND - 121.80 MHz - MIAMI GROUND	GND - 127.50 MHz - MIAMI GROUND
TWR - 118.30 MHz - MIAMI TOWER	TWR - 123.90 MHz - MIAMI TOWER
APP - 120.50 MHz - MIAMI APPROACH	APP - 124.85 MHz - MIAMI APPROACH
APP - 125.75 MHz - MIAMI APPROACH	DEP - 119.45 MHz - MIAMI DEPARTURE
DEP - 125.50 MHz - MIAMI DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	151 ft	13,027 ft	87.37	CONCRETE	1,371 ft	384 ft
	46 m	3,971 m	94.64		418 m	117 m
27	151 ft	13,027 ft	267.39	CONCRETE	276 ft	374 ft
	46 m	3,971 m	274.66		84 m	114 m
08R	200 ft	10,515 ft	87.38	CONCRETE	0 ft	407 ft
	61 m	3,205 m	94.65		0 m	124 m
26L	200 ft	10,515 ft	267.39	CONCRETE	0 ft	407 ft
	61 m	3,205 m	274.66		0 m	124 m
08L	151 ft	8,607 ft	87.38	CONCRETE	0 ft	387 ft
	46 m	2,624 m	94.65		0 m	118 m
26R	151 ft	8,607 ft	267.39	CONCRETE	0 ft	387 ft
	46 m	2,624 m	274.66		0 m	118 m
12	151 ft	9,366 ft	119.61	CONCRETE	0 ft	397 ft
	46 m	2,855 m	126.88		0 m	121 m
30	151 ft	9,366 ft	299.62	CONCRETE	948 ft	0 ft
	46 m	2,855 m	306.89		289 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IROY	109.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
08R	DME	IMFA	110.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
12	DME	IGEM	108.90 MHz	18 nm	-	-	14 ft
				33 km	-		14 m
26L	DME	IVIN	109.10 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
26R	DME	ICNV	109.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	DME	IDCX	111.70 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
08R	LOC-ILS	IMFA	110.30 MHz	18 nm	87.37	-	4 ft
				33 km	94.64		4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm	87.37	-	4 ft
				33 km	94.64		4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm	119.60	-	4 ft
				33 km	126.87		4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm	267.37	-	4 ft
				33 km	274.64		4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm	267.37	-	4 ft
				33 km	274.64		4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm	299.60	-	4 ft
				33 km	306.87		4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm	87.36	-	4 ft
				33 km	94.63		4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm	267.36	-	4 ft
				33 km	274.63		4 m
08R	GS	IMFA	110.30 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.64		4 m
09	GS	IBUL	110.90 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.64		4 m
12	GS	IGEM	108.90 MHz	10 nm	119.60	3.00	4 ft
				19 km	126.87		4 m
26L	GS	IVIN	109.10 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.64		4 m
27	GS	IMIA	109.50 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.64		4 m
30	GS	IDCX	111.70 MHz	10 nm	299.60	3.00	4 ft
				19 km	306.87		4 m

MUCU

Region: CUBA
Timezone: AMERICA/HAVANA
Runways: 2

Elevation: 249 ft / 76 m
Location: 19.972400 -75.835500
Magnetic Var: 9.043 W

METAR

MUCU 110250Z 04003KT 9000 BKN020 28/24 Q1013

TAF

TAF MUCU 102300Z 1100/1124 VRB04KT 9000 SCT020 TEMPO 1118/1124 5000 SHRA FEW020CB BKN020

Frequencies

TWR - 118.10 MHz - MACEO TOWER
GND - 122.80 MHz - MACEO GROUND
DEP - 122.80 MHz - CAMAGUEY DEPARTURE
APP - 126.90 MHz - CAMAGUEY RADIO
COM - 122.80 MHz - MACEO UNICOM

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	164 ft	13,142 ft	89.37	ASPHALT	997 ft	0 ft
	50 m	4,006 m	98.41		304 m	0 m
28	164 ft	13,142 ft	269.38	ASPHALT	1,001 ft	0 ft
	50 m	4,006 m	278.42		305 m	0 m
18	148 ft	4,598 ft	179.40	ASPHALT	0 ft	0 ft
	45 m	1,401 m	188.44		0 m	0 m
36	148 ft	4,598 ft	359.40	ASPHALT	0 ft	0 ft
	45 m	1,401 m	8.44		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	LOC-ILS	ICU	110.70 MHz	18 nm	92.37	-	249 ft
				33 km	101.41		249 m
10	GS	ICU	110.70 MHz	10 nm	92.37	3.00	249 ft
				19 km	101.41		249 m