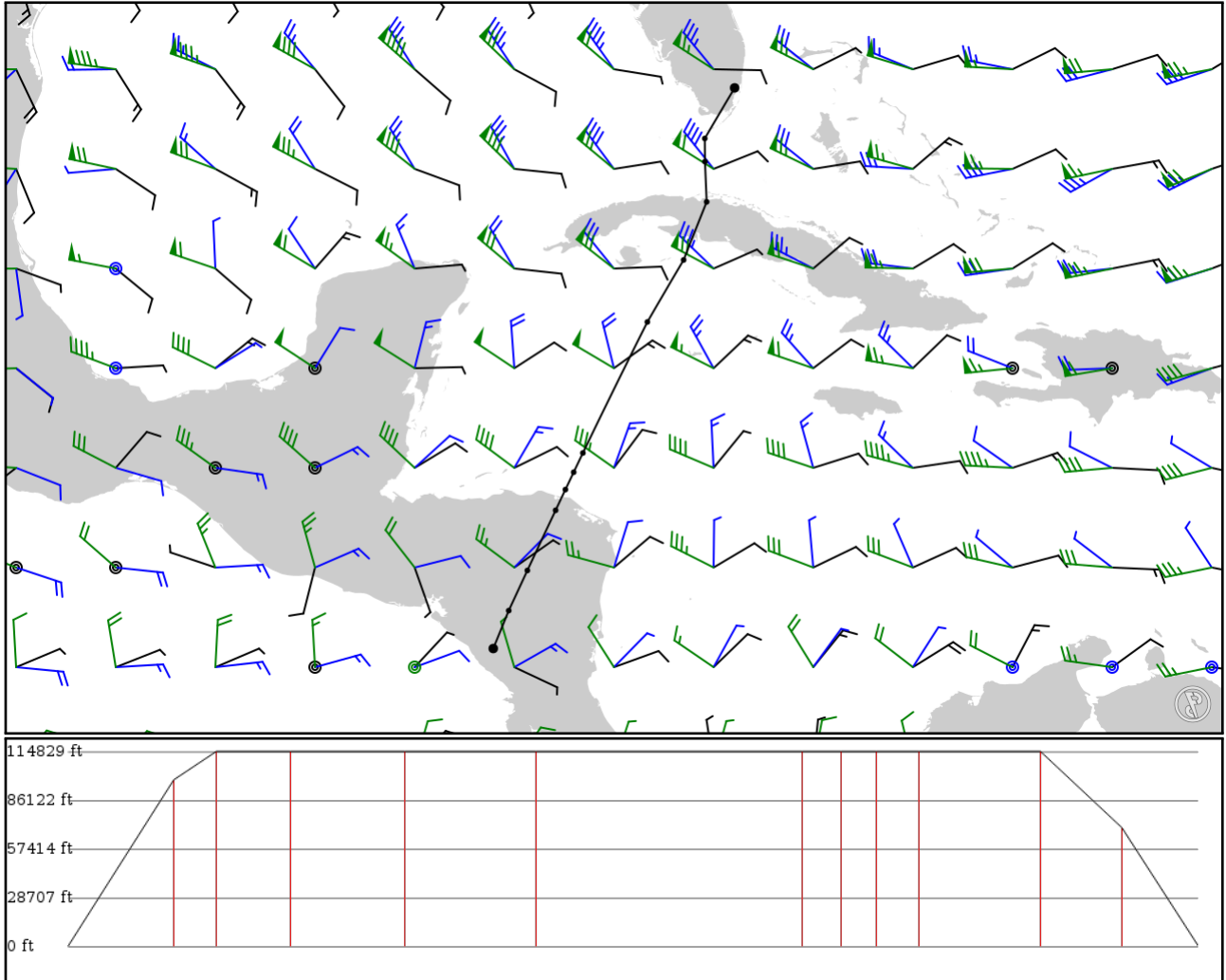


2024/05/07 2056Z

KMIA MCLAW Y442 FUNDI UZ465 ALVEK UM328 RAKEL MNMG

894.94 nm / 1657.43 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 280kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 2500ft/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	-	
MCLAW	-	24.56360	29,900 ft	83	-
FIX	-	-81.01670	9,114 m	-	-
FUNDI	Y442	24.00000	35,000 ft	33	-
FIX	AWY-HI	-81.01190	10,668 m	-	-
ALVEK	UZ465	23.02030	35,000 ft	58	-
FIX	AWY-HI	-80.97060	10,668 m	-	-
UCL	UM328	21.60500	35,000 ft	90	CAYO LARGO DEL SUR
VOR	AWY-HI	-81.53270	10,668 m	-	
SELEK	UM328	20.09470	35,000 ft	103	-
FIX	AWY-HI	-82.41530	10,668 m	-	-
BIRLO	UM328	16.90480	35,000 ft	211	-
FIX	AWY-HI	-83.98530	10,668 m	-	-
AMESI	UM328	16.43580	35,000 ft	30	-
FIX	AWY-HI	-84.20970	10,668 m	-	-
PERMO	UM328	16.01330	35,000 ft	27	-
FIX	AWY-HI	-84.41090	10,668 m	-	-
MANUR	UM328	15.50880	35,000 ft	33	-
FIX	AWY-HI	-84.64990	10,668 m	-	-
TIBUT	UM328	14.04360	35,000 ft	96	-
FIX	AWY-HI	-85.33740	10,668 m	-	-
RAKEL	UM328	13.06560	21,300 ft	64	-
FIX	AWY-HI	-85.79110	6,492 m	-	-
MNMG	-	12.14160	0 ft	59	Managua-Augusto Cesar Sandino Intl
APT	-	-86.16840	0 m	-	

## KMIA

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 4

Elevation: 11 ft / 3 m  
Location: 25.796200 -80.289700  
Magnetic Var: 7.273 W

## METAR

KMIA 071953Z 09010G20KT 10SM BKN030 29/22 A2991 RMK A02 SLP128 T02940217

## TAF

TAF AMD KMIA 072048Z 0721/0824 13010KT P6SM FEW030 SCT050 FM080200 12008KT P6SM FEW040 SCT100 FM080500 VRB04KT P6SM

## 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

## MNMG

Region: NICARAGUA  
Timezone: AMERICA/MANAGUA  
Runways: 1

Elevation: 194 ft / 59 m  
Location: 12.141600 -86.168400  
Magnetic Var: 1.865 W

## METAR

MNMG 072000Z 04008KT 9999 FEW025 SCT300 38/21 Q1006 A2970 NOSIG

## TAF

TAF MNMG 071014Z 0712/0812 00000KT 9999 SCT020 TEMPO 0715/0721 VRB10KT FEW025 PROB30 TEMPO 0800/0806 8000 -DZ/-TS

## Frequencies

REC - 127.65 MHz - SANDINO ATIS  
TWR - 118.10 MHz - SANDINO TOWER  
APP - 119.40 MHz - SANDINO APPROACH  
GND - 121.90 MHz - SANDINO GROUND  
APP - 126.90 MHz - SANDINO RADIO

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	151 ft	8,019 ft	96.50	ASPHALT	0 ft	89 ft
	46 m	2,444 m	98.37		0 m	27 m
28	151 ft	8,019 ft	276.50	ASPHALT	0 ft	98 ft
	46 m	2,444 m	278.37		0 m	30 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	DME	IMGA	109.10 MHz	18 nm	-	-	194 ft
				33 km	-		194 m
10	LOC-ILS	IMGA	109.10 MHz	18 nm	96.54	-	192 ft
				33 km	98.41		192 m
10	GS	IMGA	109.10 MHz	10 nm	96.54	3.10	192 ft
				19 km	98.41		192 m