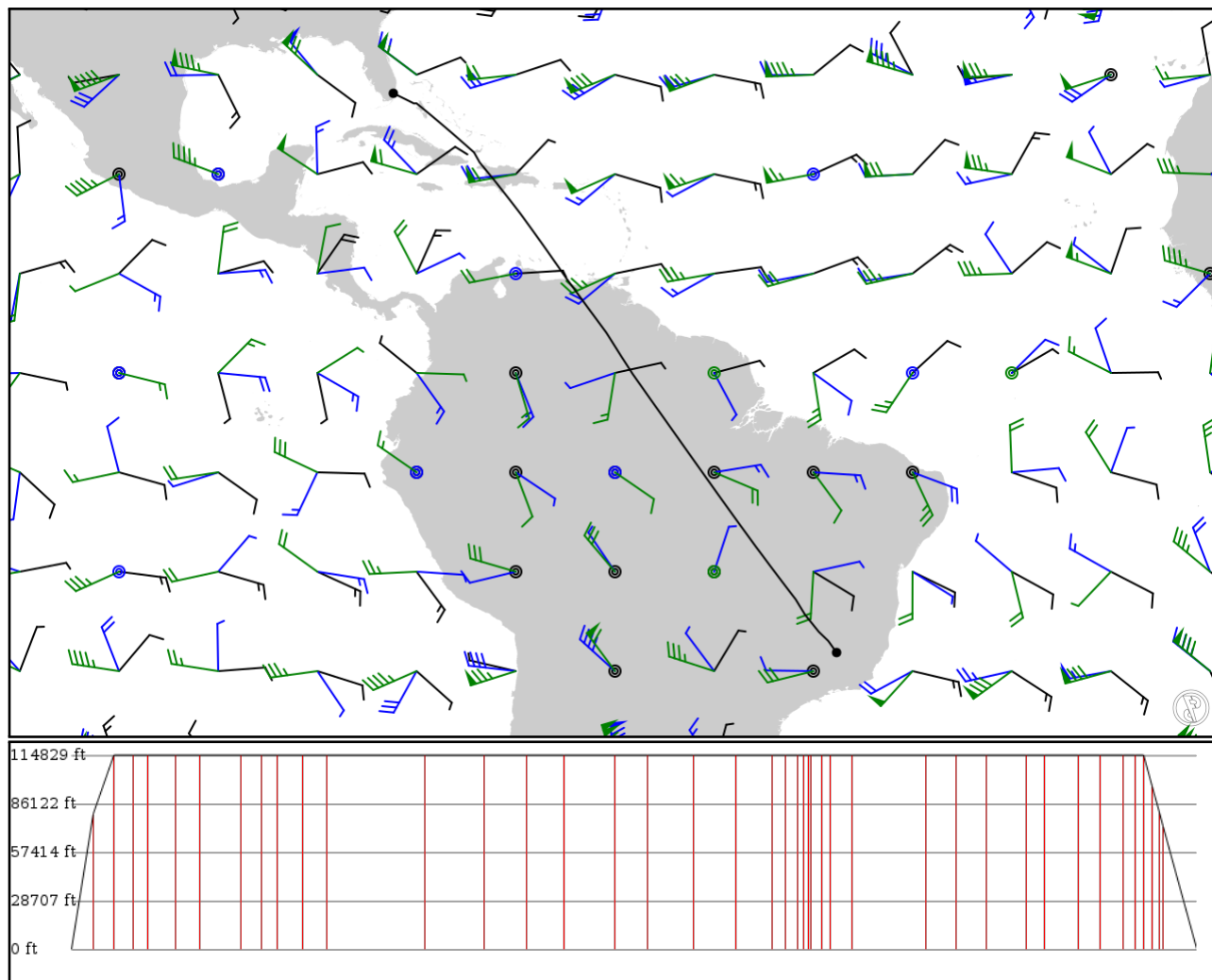


2024/05/20 1159Z

SBPR OPACO **UW12** PROVE **UA312** FRM **UZ23** BVI **UL304** J0SES **A315** TINKY **BR49V** LUCSS KMIA

3484.23 nm / 6452.79 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: yes
- Use high airways: yes

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
SBPR	-	-19.90917	0 ft	-	CARLOS PRATES
APT	-	-43.99083	0 m		
OPACO	-	-18.96483	24,400 ft	68	-
FIX	-	-44.66950	7,437 m		
TRM	UW12	-18.20317	35,000 ft	64	TRES MARIAS VOR-DME
VOR	AWY-HI	-45.45700	10,668 m		
PRUMO	UW12	-17.40800	35,000 ft	60	-
FIX	AWY-HI	-46.09983	10,668 m		
PROVE	UW12	-16.82783	35,000 ft	44	-
FIX	AWY-HI	-46.56833	10,668 m		
FRM	UA312	-15.55759	35,000 ft	88	FORMOSA VOR-DME
VOR	AWY-HI	-47.34707	10,668 m		
BRAZE	UZ23	-14.57767	35,000 ft	73	-
FIX	AWY-HI	-48.10100	10,668 m		
CHORD	UZ23	-12.86367	35,000 ft	127	-
FIX	AWY-HI	-49.39950	10,668 m		
FILTI	UZ23	-11.99917	35,000 ft	64	-
FIX	AWY-HI	-50.04583	10,668 m		
BERNA	UZ23	-11.35100	35,000 ft	48	-
FIX	AWY-HI	-50.53267	10,668 m		
POJAR	UZ23	-10.27533	35,000 ft	79	-
FIX	AWY-HI	-51.31917	10,668 m		
IRUKI	UZ23	-9.26283	35,000 ft	74	-
FIX	AWY-HI	-52.05717	10,668 m		
ENVOX	UZ23	-5.13700	35,000 ft	304	-
FIX	AWY-HI	-55.01600	10,668 m		
PRI	UZ23	-2.66728	35,000 ft	181	PARINTINS VOR-DME
VOR	AWY-HI	-56.77311	10,668 m		
INPUT	UZ23	-0.90617	35,000 ft	129	-
FIX	AWY-HI	-58.02233	10,668 m		
IBDAR	UZ23	0.70023	35,000 ft	118	-
FIX	AWY-HI	-59.16675	10,668 m		
BVI	UZ23	2.85217	35,000 ft	158	BOA VISTA VOR-DME
VOR	AWY-HI	-60.68683	10,668 m		
ISANI	UL304	4.24972	35,000 ft	99	-
FIX	AWY-HI	-61.59222	10,668 m		
CMA	UL304	6.25025	35,000 ft	141	CANAIMA VOR-DME
VOR	AWY-HI	-62.85756	10,668 m		
LODIR	UL304	8.00808	35,000 ft	131	-
FIX	AWY-HI	-64.16033	10,668 m		
RONER	UL304	9.52142	35,000 ft	112	-
FIX	AWY-HI	-65.27033	10,668 m		
ERIPA	UL304	10.06642	35,000 ft	40	-
FIX	AWY-HI	-65.67036	10,668 m		
CBC	UL304	10.57694	35,000 ft	37	CABO CODERA VOR-DME
DME	AWY-HI	-66.04806	10,668 m		
AKNUR	UL304	10.82083	35,000 ft	17	-
FIX	AWY-HI	-66.21861	10,668 m		
BEGAB	UL304	11.02556	35,000 ft	14	-
FIX	AWY-HI	-66.36250	10,668 m		
DARDA	UL304	11.16306	35,000 ft	10	-
FIX	AWY-HI	-66.45917	10,668 m		
EDGE	UL304	11.58750	35,000 ft	30	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-66.75722	10,668 m		
GAVAL	UL304	11.99028	35,000 ft	29	-
FIX	AWY-HI	-67.03889	10,668 m		
ILKIT	UL304	12.87833	35,000 ft	64	-
FIX	AWY-HI	-67.66167	10,668 m		
IRGUT	UL304	16.00000	35,000 ft	228	-
FIX	AWY-HI	-69.91472	10,668 m		
RODBU	UL304	17.28694	35,000 ft	96	-
FIX	AWY-HI	-70.91278	10,668 m		
ETBOD	UL304	18.51667	35,000 ft	92	-
FIX	AWY-HI	-71.88333	10,668 m		
JOSES	UL304	20.14425	35,000 ft	123	-
FIX	AWY-HI	-73.21819	10,668 m		
ZIN	A315	20.95972	35,000 ft	55	GREAT INAGUA NDB
NDB	AWY-LO	-73.67750	10,668 m		
ACMEE	A315	22.17438	35,000 ft	106	-
FIX	AWY-LO	-75.05638	10,668 m		
DUNNO	A315	22.92841	35,000 ft	66	-
FIX	AWY-LO	-75.93128	10,668 m		
AMBIS	A315	23.73163	35,000 ft	71	-
FIX	AWY-LO	-76.88019	10,668 m		
HODGY	A315	24.16050	35,000 ft	38	-
FIX	AWY-LO	-77.39478	10,668 m		
JAYEE	A315	24.43216	35,000 ft	24	-
FIX	AWY-LO	-77.72351	10,668 m		
PLUMA	A315	24.73779	29,400 ft	27	-
FIX	AWY-LO	-78.09611	8,961 m		
TINKY	A315	24.98012	24,700 ft	21	-
FIX	AWY-LO	-78.39368	7,529 m		
LUCSS	BR49V	24.96908	22,200 ft	11	-
FIX	AWY-LO	-78.60673	6,767 m		
KMIA	-	25.79617	0 ft	103	Miami Intl
APT	-	-80.28974	0 m		

## KMIA

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

Elevation: 11 ft / 3 m  
Location: 25.796200 -80.289700  
Magnetic Var: 7.276 W

## METAR

KMIA 201053Z 00000KT 10SM FEW016 SCT032 BKN075 BKN130 BKN250 28/24 A2988 RMK A02 SLP117 CB DSNT E-S MOV E T0278023

## TAF

TAF AMD KMIA 200832Z 2009/2112 VRB04KT P6SM SCT030 SCT200 FM201300 23008KT P6SM VCSH SCT030 SCT050 FM201800 21012

## Frequencies

REC - 119.15 MHz - D-ATIS  
COM - 123.00 MHz - UNICOM  
GND - 121.80 MHz - MIAMI GROUND  
TWR - 118.30 MHz - MIAMI TOWER  
APP - 120.50 MHz - MIAMI APPROACH  
APP - 125.75 MHz - MIAMI APPROACH  
DEP - 125.50 MHz - MIAMI DEPARTURE

REC - 133.67 MHz - D-ATIS  
CLD - 135.35 MHz - CLEARANCE DELIVERY  
GND - 127.50 MHz - MIAMI GROUND  
TWR - 123.90 MHz - MIAMI TOWER  
APP - 124.85 MHz - MIAMI APPROACH  
DEP - 119.45 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	94.65		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	274.67		0 m	124 m
08L	151 ft	8,607 ft	87.38	CONCRETE	0 ft	387 ft
	46 m	2,624 m	94.66		0 m	118 m
26R	151 ft	8,607 ft	267.39	CONCRETE	0 ft	387 ft
	46 m	2,624 m	274.67		0 m	118 m
12	151 ft	9,366 ft	119.61	CONCRETE	0 ft	397 ft
	46 m	2,855 m	126.89		0 m	121 m
30	151 ft	9,366 ft	299.62	CONCRETE	948 ft	0 ft
	46 m	2,855 m	306.90		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	94.65		4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm	87.37	-	4 ft
				33 km	94.65		4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm	119.60	-	4 ft
				33 km	126.88		4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm	299.60	-	4 ft
				33 km	306.88		4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm	87.36	-	4 ft
				33 km	94.64		4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm	267.36	-	4 ft
				33 km	274.64		4 m
08R	GS	IMFA	110.30 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
09	GS	IBUL	110.90 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
12	GS	IGEM	108.90 MHz	10 nm	119.60	3.00	4 ft
				19 km	126.88		4 m
26L	GS	IVIN	109.10 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
27	GS	IMIA	109.50 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
30	GS	IDCX	111.70 MHz	10 nm	299.60	3.00	4 ft
				19 km	306.88		4 m