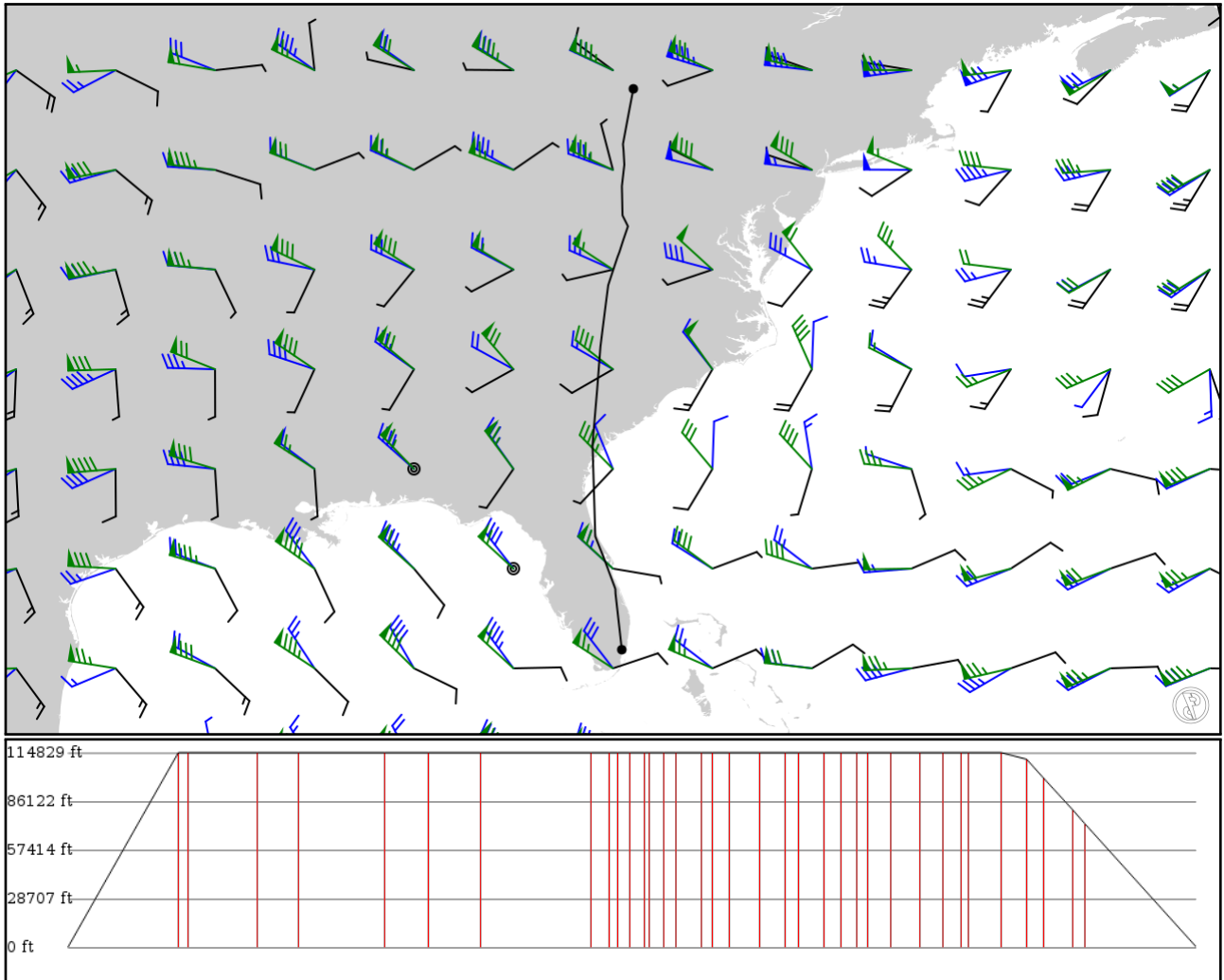


2024/06/15 1240Z

KMIA BIWIK V159 TRV J79 OMN J103 SAV J51 CAE V37 EKN V103 CKB V37 HAGAR CYHM

1057.13 nm / 1957.80 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		
BIWIK	-	27.52810	35,000 ft	104	-
FIX	-	-80.48380	10,668 m		
TRV	V159	27.67840	35,000 ft	9	TREASURE (VERO BEACH)
VOR	AWY-LO	-80.48970	10,668 m		
MALET	J79	28.69160	35,000 ft	64	-
FIX	AWY-HI	-80.86790	10,668 m		
OMN	J79	29.30330	35,000 ft	38	ORMOND BEACH
VOR	AWY-HI	-81.11270	10,668 m		
BEENO	J103	30.63940	35,000 ft	80	-
FIX	AWY-HI	-81.15260	10,668 m		
MILIE	J103	31.32860	35,000 ft	41	-
FIX	AWY-HI	-81.17370	10,668 m		
SAV	J103	32.14630	35,000 ft	49	SAVANNAH
VOR	AWY-HI	-81.19910	10,668 m		
CAE	J51	33.85730	35,000 ft	103	COLUMBIA
VOR	AWY-HI	-81.05390	10,668 m		
BEFTY	V37	34.14020	35,000 ft	17	-
FIX	AWY-LO	-81.03250	10,668 m		
BLOTS	V37	34.28320	35,000 ft	8	-
FIX	AWY-LO	-81.02160	10,668 m		
GREAT	V37	34.45710	35,000 ft	10	-
FIX	AWY-LO	-81.00830	10,668 m		
RICHE	V37	34.69840	35,000 ft	14	-
FIX	AWY-LO	-80.98980	10,668 m		
ZUKUR	V37	34.77070	35,000 ft	4	-
FIX	AWY-LO	-80.98430	10,668 m		
CIBOB	V37	34.99040	35,000 ft	13	-
FIX	AWY-LO	-80.96730	10,668 m		
CLT	V37	35.19030	35,000 ft	12	CHARLOTTE
VOR	AWY-LO	-80.95180	10,668 m		
MOPED	V37	35.57120	35,000 ft	22	-
FIX	AWY-LO	-80.90470	10,668 m		
OWALT	V37	35.74950	35,000 ft	10	-
FIX	AWY-LO	-80.88260	10,668 m		
JOTTA	V37	36.01470	35,000 ft	16	-
FIX	AWY-LO	-80.84940	10,668 m		
MEGXE	V37	36.49010	35,000 ft	28	-
FIX	AWY-LO	-80.78940	10,668 m		
DOILY	V37	36.87130	35,000 ft	23	-
FIX	AWY-LO	-80.74070	10,668 m		
PSK	V37	37.08770	35,000 ft	13	PULASKI (DUBLIN)
VOR	AWY-LO	-80.71290	10,668 m		
ZOOMS	V37	37.47560	35,000 ft	24	-
FIX	AWY-LO	-80.58520	10,668 m		
PEEBE	V37	37.71810	35,000 ft	15	-
FIX	AWY-LO	-80.50470	10,668 m		
FRETT	V37	37.96060	35,000 ft	15	-
FIX	AWY-LO	-80.42360	10,668 m		
OAKLE	V37	38.12050	35,000 ft	10	-
FIX	AWY-LO	-80.36250	10,668 m		
HAWKI	V37	38.47910	35,000 ft	22	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-80.24840	10,668 m		
EKN	V37	38.91440	35,000 ft	27	ELKINS
VOR	AWY-LO	-80.09930	10,668 m		
CKB	V103	39.25320	35,000 ft	21	CLARKSBURG
VOR	AWY-LO	-80.26790	10,668 m		
METZE	V37	39.52710	35,000 ft	16	-
FIX	AWY-LO	-80.27410	10,668 m		
TEDDS	V37	39.63850	35,000 ft	6	-
FIX	AWY-LO	-80.27610	10,668 m		
AKSAR	V37	40.15930	35,000 ft	31	-
FIX	AWY-LO	-80.28740	10,668 m		
CETPU	V37	40.55940	33,800 ft	24	-
FIX	AWY-LO	-80.24210	10,302 m		
EWC	V37	40.82490	30,400 ft	16	ELLWOOD CITY
VOR	AWY-LO	-80.21150	9,266 m		
MERCY	V37	41.26610	24,700 ft	26	-
FIX	AWY-LO	-80.23610	7,529 m		
HAGAR	V37	41.46070	22,200 ft	11	-
FIX	AWY-LO	-80.25450	6,767 m		
CYHM	-	43.17430	0 ft	103	John C. Munro Hamilton Int'l
APT	-	-79.93060	0 m		

KMIA

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

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.283 W

METAR

KMIA 151153Z 18003KT 7SM SCT110 OVC140 26/24 A2999 RMK A02 RAE17 SLP154 P0001 60002 70051 T02610244 10267 20256 53

TAF

TAF KMIA 151120Z 1512/1618 VRB04KT P6SM VCSH SCT030 BKN100 BKN250 FM151500 24006KT P6SM VCSH SCT030 SCT250 FM151800

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	274.67		84 m	114 m
08R	200 ft	10,515 ft	87.38	CONCRETE	0 ft	407 ft
	61 m	3,205 m	94.66		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

CYHM

Region: CANADA
Timezone: AMERICA/TORONTO
Runways: 2

Elevation: 779 ft / 237 m
Location: 43.174300 -79.930600
Magnetic Var: 9.967 W

METAR

CYHM 151200Z 01007G15KT 15SM FEW250 15/11 A3013 RMK CI1 CI TR SLP206

TAF

TAF CYHM 151140Z 1512/1612 03012KT P6SM FEW030 BECMG 1516/1518 08008KT FM161000 04008KT P6SM BKN160 RMK NXT FCST E

Frequencies

REC - 128.10 MHz - ATIS
TWR - 119.70 MHz -

GND - 121.60 MHz -
TWR - 125.00 MHz -

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	200 ft	10,013 ft	107.29	CONCRETE	1,604 ft	151 ft
	61 m	3,052 m	117.25		489 m	46 m
30	200 ft	10,013 ft	287.31	CONCRETE	404 ft	148 ft
	61 m	3,052 m	297.28		123 m	45 m
06	151 ft	6,013 ft	48.63	CONCRETE	0 ft	0 ft
	46 m	1,833 m	58.60		0 m	0 m
24	151 ft	6,013 ft	228.64	CONCRETE	0 ft	0 ft
	46 m	1,833 m	238.61		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IAB	110.90 MHz	18 nm	107.30	-	779 ft
				33 km	117.27		779 m
12	GS	IAB	110.90 MHz	10 nm	107.30	3.00	779 ft
				19 km	117.27		779 m