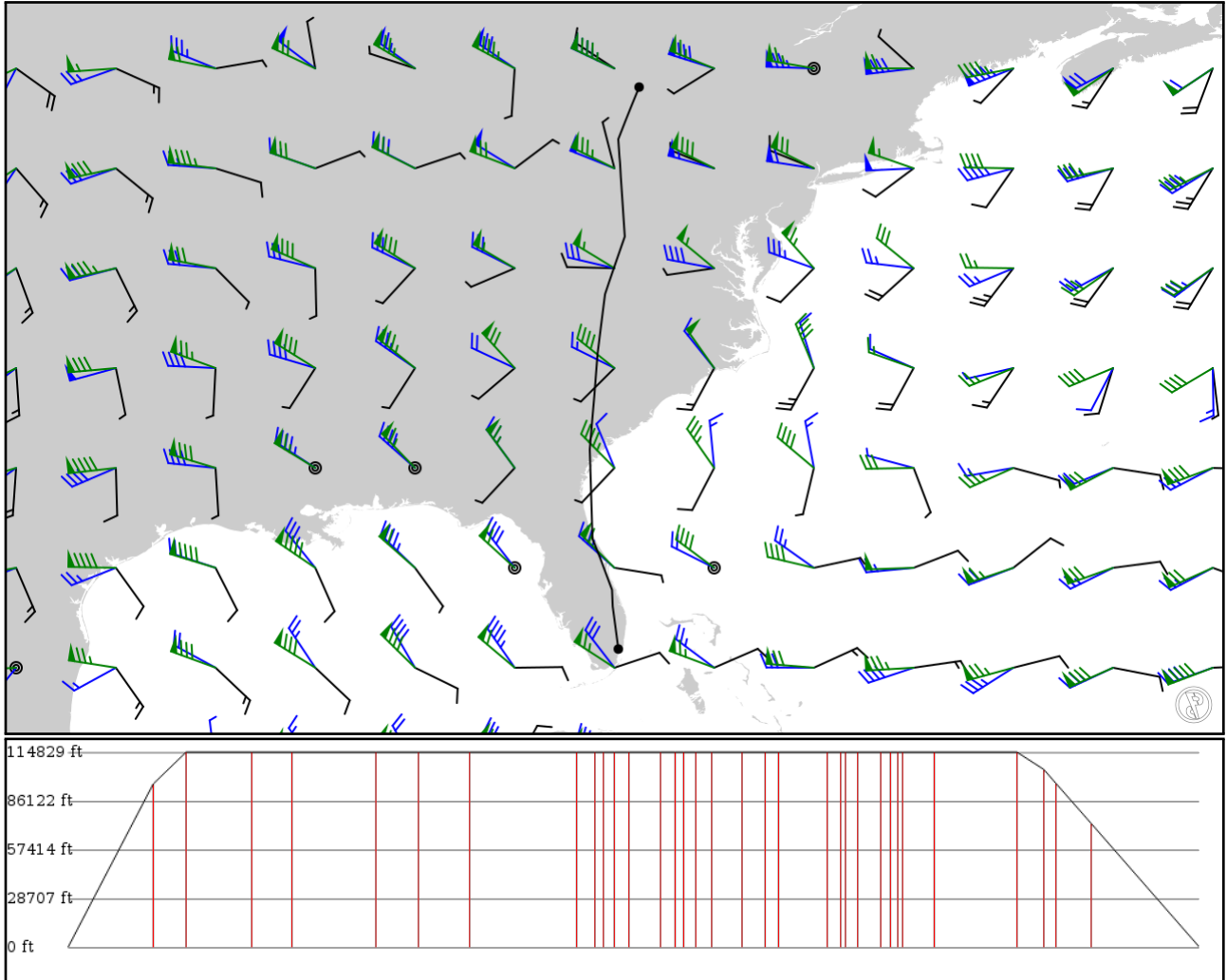


2024/05/12 0551Z

KMIA TBIRD V159 VRB J79 OMN J103 SAV J51 CAE V37 PSK J53 EWC V37 ERI CYYZ

1089.29 nm / 2017.36 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	-	25.79617	0 ft	-	Miami Intl
APT	-	-80.28974	0 m		
TBIRD	-	27.15619	29,300 ft	82	-
FIX	-	-80.46936	8,931 m		
VRB	V159	27.67842	35,000 ft	31	-
VOR	AWY-LO	-80.48961	10,668 m		
MALET	J79	28.69164	35,000 ft	64	-
FIX	AWY-HI	-80.86786	10,668 m		
OMN	J79	29.30325	35,000 ft	38	ORMOND BEACH VORTAC
DME	AWY-HI	-81.11270	10,668 m		
BEENO	J103	30.63936	35,000 ft	80	-
FIX	AWY-HI	-81.15261	10,668 m		
MILIE	J103	31.32862	35,000 ft	41	-
FIX	AWY-HI	-81.17372	10,668 m		
SAV	J103	32.14625	35,000 ft	49	SAVANNAH VORTAC
VOR	AWY-HI	-81.19911	10,668 m		
CAE	J51	33.85725	35,000 ft	103	COLUMBIA VORTAC
VOR	AWY-HI	-81.05392	10,668 m		
BEFTY	V37	34.14021	35,000 ft	17	-
FIX	AWY-LO	-81.03249	10,668 m		
BLOTS	V37	34.28324	35,000 ft	8	-
FIX	AWY-LO	-81.02162	10,668 m		
GREAT	V37	34.45710	35,000 ft	10	-
FIX	AWY-LO	-81.00830	10,668 m		
RICHE	V37	34.69838	35,000 ft	14	-
FIX	AWY-LO	-80.98983	10,668 m		
CLT	V37	35.19028	35,000 ft	29	CHARLOTTE VOR-DME
VOR	AWY-LO	-80.95175	10,668 m		
TOLLY	V37	35.42290	35,000 ft	14	-
FIX	AWY-LO	-80.92308	10,668 m		
MOPED	V37	35.57118	35,000 ft	8	-
FIX	AWY-LO	-80.90473	10,668 m		
OWALT	V37	35.74947	35,000 ft	10	-
FIX	AWY-LO	-80.88256	10,668 m		
JOTTA	V37	36.01473	35,000 ft	16	-
FIX	AWY-LO	-80.84939	10,668 m		
MEGXE	V37	36.49006	35,000 ft	28	-
FIX	AWY-LO	-80.78939	10,668 m		
DOILY	V37	36.87135	35,000 ft	23	-
FIX	AWY-LO	-80.74074	10,668 m		
PSK	V37	37.08769	35,000 ft	13	PULASKI VORTAC
VOR	AWY-LO	-80.71289	10,668 m		
ASBUR	J53	37.82345	35,000 ft	45	-
FIX	AWY-HI	-80.46429	10,668 m		
ROCKA	J53	38.04266	35,000 ft	13	-
FIX	AWY-HI	-80.38922	10,668 m		
OAKLE	J53	38.12050	35,000 ft	4	-
FIX	AWY-HI	-80.36244	10,668 m		
PERRI	J53	38.29736	35,000 ft	11	-
FIX	AWY-HI	-80.30142	10,668 m		
PERKS	J53	38.66134	35,000 ft	22	-
FIX	AWY-HI	-80.17482	10,668 m		
STEVY	J53	38.81983	35,000 ft	9	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-80.11928	10,668 m		
RICCS	J53	38.92074	35,000 ft	6	-
FIX	AWY-HI	-80.08380	10,668 m		
SINDE	J53	39.00483	35,000 ft	5	-
FIX	AWY-HI	-80.08929	10,668 m		
LOONS	J53	39.50778	35,000 ft	30	-
FIX	AWY-HI	-80.12243	10,668 m		
EWC	J53	40.82494	35,000 ft	79	ELLWOOD CITY VORTAC
VOR	AWY-HI	-80.21156	10,668 m		
MERCY	V37	41.26605	31,900 ft	26	-
FIX	AWY-LO	-80.23615	9,723 m		
HAGAR	V37	41.46070	29,400 ft	11	-
FIX	AWY-LO	-80.25450	8,961 m		
ERI	V37	42.01739	22,200 ft	33	ERIE VORTAC
VOR	AWY-LO	-80.29269	6,767 m		
CYYZ	-	43.67613	0 ft	103	Toronto Lester B Pearson Intl
APT	-	-79.62767	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 120453Z 28006KT 10SM CLR 27/23 A2990 RMK A02 SLP124 T02670233 403440244

TAF

TAF AMD KMIA 120258Z 1203/1306 28010KT P6SM FEW035 SCT060 FM120600 30008KT P6SM SCT030 BKN060 FM120900 35007KT P6SM

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	94.64		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

```
Region: CANADA
Timezone: AMERICA/TORONTO
Runways: 5
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Elevation: 564 ft / 172 m
Location: 43.676100 -79.627700
Magnetic Var: 10.261 W

CYYZ 120500Z 06006KT 15SM FEW015 BKN020 OVC045 10/09 A2969 RMK CF1SC6SC1 SLP059

TAF AMD CYYZ 120412Z 1204/1306 05008KT P6SM FEW015 BKN025 TEMPO 1204/1213 5SM -SHRA BR BKN015 OVC025 PROB30 1204/1

TWR - 118.35 MHz - TORONTO TOWER	TWR - 118.70 MHz - TORONTO TOWER
GND - 119.10 MHz - TORONTO GROUND	GND - 121.65 MHz - TORONTO GROUND
GND - 121.90 MHz - TORONTO GROUND	REC - 120.82 MHz - ATIS
REC - 133.10 MHz - ATIS	CLD - 121.30 MHz - CLEARANCE DELIVERY
APP - 132.80 MHz - TORONTO APPROACH	APP - 124.47 MHz - TORONTO APPROACH
APP - 125.40 MHz - TORONTO APPROACH	APP - 123.27 MHz - LONDON RADIO
DEP - 127.57 MHz - TORONTO DEPARTURE	DEP - 128.80 MHz - TORONTO DEPARTURE

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06L	197 ft	9,707 ft	46.43	ASPHALT	0 ft	131 ft
	60 m	2,959 m	56.69		0 m	40 m
24R	197 ft	9,707 ft	226.45	ASPHALT	194 ft	98 ft
	60 m	2,959 m	236.71		59 m	30 m
06R	197 ft	9,007 ft	46.43	ASPHALT	0 ft	95 ft
	60 m	2,745 m	56.69		0 m	29 m
24L	197 ft	9,007 ft	226.45	ASPHALT	0 ft	95 ft
	60 m	2,745 m	236.71		0 m	29 m
05	197 ft	11,128 ft	46.39	ASPHALT	141 ft	141 ft
	60 m	3,392 m	56.65		43 m	43 m
23	197 ft	11,128 ft	226.41	ASPHALT	492 ft	141 ft
	60 m	3,392 m	236.67		150 m	43 m
15L	197 ft	11,061 ft	136.64	ASPHALT	0 ft	92 ft
	60 m	3,372 m	146.90		0 m	28 m
33R	197 ft	11,061 ft	316.66	ASPHALT	0 ft	89 ft
	60 m	3,372 m	326.92		0 m	27 m
15R	197 ft	9,097 ft	136.62	ASPHALT	597 ft	0 ft
	60 m	2,773 m	146.88		182 m	0 m
33L	197 ft	9,097 ft	316.64	ASPHALT	591 ft	0 ft
	60 m	2,773 m	326.90		180 m	0 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
24L	DME	IIDP	111.95 MHz	18 nm	-	-	568 ft
				33 km	-		568 m
24R	DME	INV	109.30 MHz	18 nm	-	-	546 ft
				33 km	-		546 m
05	LOC-ILS	ITX	109.70 MHz	18 nm	46.40	-	564 ft
				33 km	56.66		564 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	LOC-ILS	IJS	109.10 MHz	18 nm 33 km	46.44 56.70	-	564 ft 564 m
06R	LOC-ILS	ICV	111.95 MHz	18 nm 33 km	46.44 56.70	-	564 ft 564 m
15L	LOC-ILS	IRW	110.50 MHz	18 nm 33 km	136.65 146.91	-	564 ft 564 m
15R	LOC-ILS	ILP	110.95 MHz	18 nm 33 km	136.63 146.89	-	564 ft 564 m
23	LOC-ILS	IYZ	111.50 MHz	18 nm 33 km	226.40 236.66	-	564 ft 564 m
24L	LOC-ILS	IDP	111.95 MHz	18 nm 33 km	226.44 236.70	-	564 ft 564 m
24R	LOC-ILS	INV	109.30 MHz	18 nm 33 km	226.44 236.70	-	564 ft 564 m
33L	LOC-ILS	ITO	110.95 MHz	18 nm 33 km	316.63 326.89	-	564 ft 564 m
33R	LOC-ILS	ILE	110.30 MHz	18 nm 33 km	316.65 326.91	-	564 ft 564 m
05	GS	ITX	109.70 MHz	10 nm 19 km	46.40 56.66	3.00	564 ft 564 m
06L	GS	IJS	109.10 MHz	10 nm 19 km	46.44 56.70	3.00	564 ft 564 m
06R	GS	ICV	111.95 MHz	10 nm 19 km	46.44 56.70	3.00	564 ft 564 m
15L	GS	IRW	110.50 MHz	10 nm 19 km	136.65 146.91	3.00	564 ft 564 m
15R	GS	ILP	110.95 MHz	10 nm 19 km	136.63 146.89	3.00	564 ft 564 m
23	GS	IYZ	111.50 MHz	10 nm 19 km	226.40 236.66	3.00	564 ft 564 m
24L	GS	IIDP	111.95 MHz	10 nm 19 km	226.44 236.70	3.00	564 ft 564 m
24R	GS	INV	109.30 MHz	10 nm 19 km	226.44 236.70	3.00	564 ft 564 m
33L	GS	ITO	110.95 MHz	10 nm 19 km	316.63 326.89	3.00	564 ft 564 m
33R	GS	ILE	110.30 MHz	10 nm 19 km	316.65 326.91	3.00	564 ft 564 m