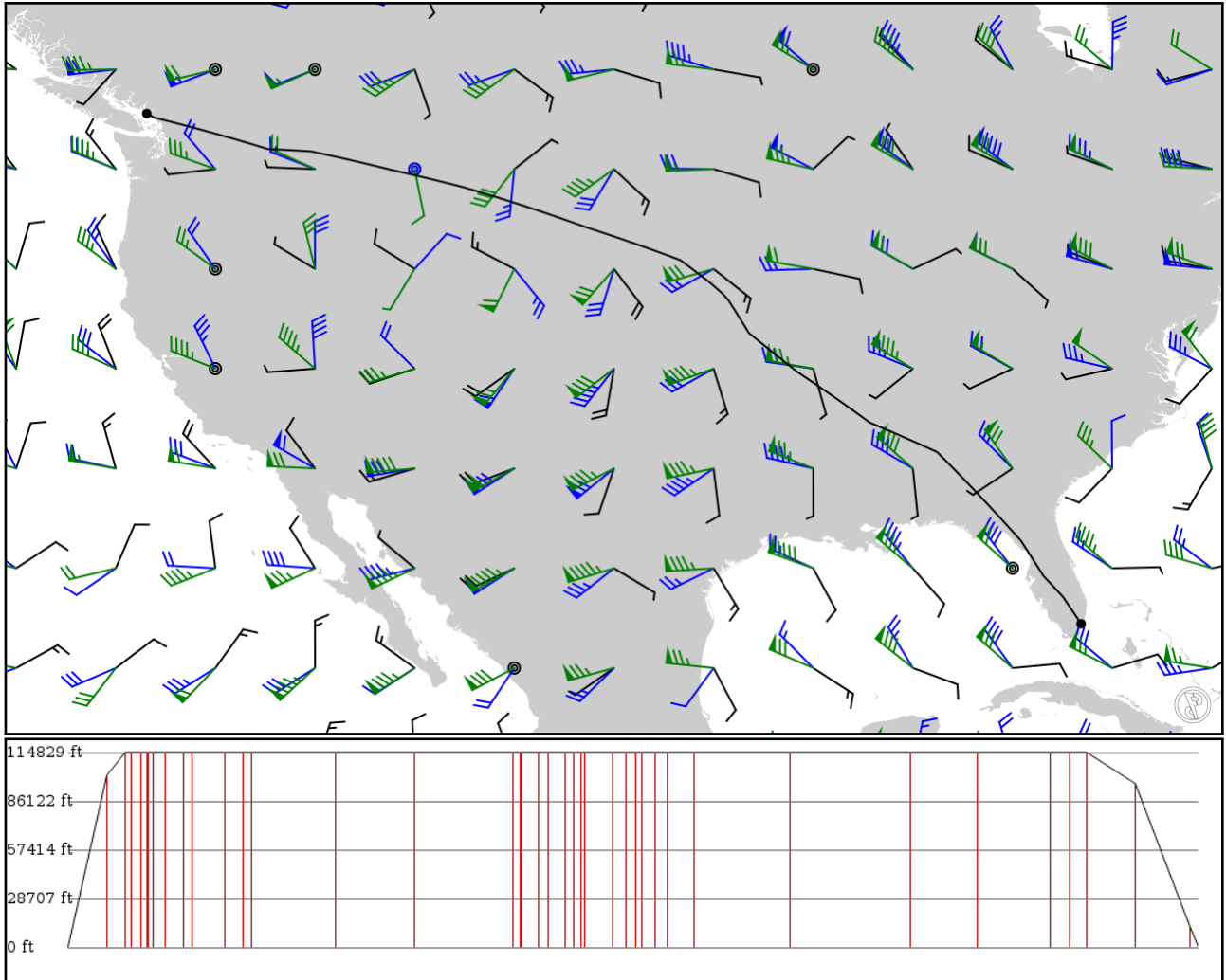


2024/05/20 0408Z

KMIA SIGNL **V511** LAL **V521** CTY **J151** VUZ **J41** SGF **V71** ONL **J151** BIL **J136** MLP **V2** HILIE **J136** GEG **J52**  
YVR13 CYVR

2473.88 nm / 4581.63 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		
SIGNL	-	27.03344	30,900 ft	86	-
FIX	-	-81.12382	9,418 m		
HALLR	V511	27.54467	35,000 ft	39	-
FIX	AWY-LO	-81.59883	10,668 m		
CAVAR	V511	27.69987	35,000 ft	12	-
FIX	AWY-LO	-81.74421	10,668 m		
LAL	V511	27.98619	35,000 ft	22	LAKELAND VORTAC
VOR	AWY-LO	-82.01389	10,668 m		
PLUMY	V521	28.17090	35,000 ft	12	-
FIX	AWY-LO	-82.13054	10,668 m		
JUVAS	V521	28.20294	35,000 ft	2	-
FIX	AWY-LO	-82.15084	10,668 m		
DADES	V521	28.36267	35,000 ft	10	-
FIX	AWY-LO	-82.25217	10,668 m		
NITTS	V521	28.74151	35,000 ft	26	-
FIX	AWY-LO	-82.49392	10,668 m		
ORATE	V521	29.34042	35,000 ft	41	-
FIX	AWY-LO	-82.88022	10,668 m		
CTY	V521	29.59900	35,000 ft	17	CROSS CITY VORTAC
DME	AWY-LO	-83.04879	10,668 m		
CAPPS	J151	30.54533	35,000 ft	72	-
FIX	AWY-HI	-83.90498	10,668 m		
NEDDY	J151	31.06415	35,000 ft	39	-
FIX	AWY-HI	-84.38378	10,668 m		
WYATT	J151	31.32290	35,000 ft	19	-
FIX	AWY-HI	-84.62511	10,668 m		
VUZ	J151	33.67014	35,000 ft	182	VULCAN VORTAC
VOR	AWY-HI	-86.89983	10,668 m		
MEM	J41	35.01511	35,000 ft	172	MEMPHIS VORTAC
VOR	AWY-HI	-89.98322	10,668 m		
SGF	J41	37.35594	35,000 ft	214	SPRINGFIELD VORTAC
VOR	AWY-HI	-93.33403	10,668 m		
SHIRE	V71	37.54953	35,000 ft	16	-
FIX	AWY-LO	-93.57436	10,668 m		
ATOPE	V71	37.59309	35,000 ft	3	-
FIX	AWY-LO	-93.62871	10,668 m		
GLENR	V71	38.01470	35,000 ft	35	-
FIX	AWY-LO	-94.15958	10,668 m		
BUM	V71	38.27208	35,000 ft	21	BUTLER VORTAC
VOR	AWY-LO	-94.48825	10,668 m		
DODSN	V71	38.72448	35,000 ft	37	-
FIX	AWY-LO	-95.03845	10,668 m		
IGSOW	V71	38.95748	35,000 ft	19	-
FIX	AWY-LO	-95.32569	10,668 m		
TOP	V71	39.13708	35,000 ft	14	TOPEKA VORTAC
VOR	AWY-LO	-95.54917	10,668 m		
EKZUB	V71	39.25772	35,000 ft	8	-
FIX	AWY-LO	-95.62253	10,668 m		
PWE	V71	40.20035	35,000 ft	62	PAWNEE CITY VORTAC
DME	AWY-LO	-96.20628	10,668 m		
PANNY	V71	40.63314	35,000 ft	28	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-96.48495	10,668 m		
LNK	V71	40.92381	35,000 ft	21	LINCOLN VORTAC
VOR	AWY-LO	-96.74200	10,668 m		
DWELL	V71	41.08979	35,000 ft	13	-
FIX	AWY-LO	-96.92950	10,668 m		
OLU	V71	41.45003	35,000 ft	28	COLUMBUS VOR-DME
VOR	AWY-LO	-97.34083	10,668 m		
ERGUC	V71	41.77316	35,000 ft	27	-
FIX	AWY-LO	-97.76024	10,668 m		
ONL	V71	42.47050	35,000 ft	58	O'NEILL VORTAC
VOR	AWY-LO	-98.68692	10,668 m		
RAP	J151	43.97603	35,000 ft	209	RAPID CITY VORTAC
VOR	AWY-HI	-103.01233	10,668 m		
BIL	J151	45.80856	35,000 ft	262	BILLINGS VORTAC
VOR	AWY-HI	-108.62464	10,668 m		
HLN	J136	46.60683	35,000 ft	146	HELENA VORTAC
VOR	AWY-HI	-111.95347	10,668 m		
MLP	J136	47.45690	35,000 ft	159	MULLAN PASS VOR-DME
DME	AWY-HI	-115.64604	10,668 m		
HILIE	V2	47.51815	35,000 ft	42	-
FIX	AWY-LO	-116.68970	10,668 m		
GEG	J136	47.56494	35,000 ft	38	SPOKANE VORTAC
VOR	AWY-HI	-117.62689	10,668 m		
TWISP	J52	48.26912	29,400 ft	105	-
FIX	AWY-HI	-120.03825	8,961 m		
YVR13	J52	49.00329	3,700 ft	119	-
FIX	AWY-HI	-122.84213	1,128 m		
CYVR	-	49.19233	0 ft	17	Vancouver Intl
APT	-	-123.18799	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 200253Z 07008KT 10SM BKN033 BKN040 BKN065 OVC250 29/22 A2993 RMK A02 SLP137 T02890222 51017

## TAF

KMIA 200246Z 2003/2106 VRB04KT P6SM VCSH SCT030 BKN250 FM201500 27007KT P6SM VCSH SCT050 BKN250 FM202100 24007KT P

## 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

## CYVR

Region: CANADA  
Timezone: AMERICA/VANCOUVER  
Runways: 3

Elevation: 13 ft / 4 m  
Location: 49.194000 -123.185000  
Magnetic Var: 15.264 E

## METAR

CYVR 200300Z 20007KT 20SM FEW110 FEW210 13/06 A3020 RMK AC1CS1 SLP229

## TAF

TAF CYVR 200240Z 2003/2106 19005KT P6SM FEW060 BECMG 2004/2006 11006KT FM201000 09008KT P6SM SCT015 TEMPO 2010/20

## Frequencies

REC - 124.60 MHz - ATIS	CLD - 121.40 MHz - CLEARANCE DELIVERY
GND - 121.70 MHz - VANCOUVER GROUND	GND - 127.50 MHz - VANCOUVER GROUND
TWR - 118.70 MHz - VANCOUVER TOWER	TWR - 119.55 MHz - VANCOUVER TOWER
APP - 128.60 MHz - VANCOUVER APPROACH	APP - 133.10 MHz - VANCOUVER APPROACH
DEP - 126.12 MHz - VANCOUVER DEPARTURE	DEP - 132.30 MHz - VANCOUVER DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08R	200 ft	10,777 ft	99.88	ASPHALT	0 ft	0 ft
	61 m	3,285 m	84.61		0 m	0 m
26L	200 ft	10,777 ft	279.91	ASPHALT	0 ft	0 ft
	61 m	3,285 m	264.65		0 m	0 m
13	200 ft	7,294 ft	141.92	ASPHALT	0 ft	0 ft
	61 m	2,223 m	126.66		0 m	0 m
31	200 ft	7,294 ft	321.93	ASPHALT	0 ft	0 ft
	61 m	2,223 m	306.67		0 m	0 m
08L	200 ft	9,916 ft	99.89	CONCRETE	0 ft	0 ft
	61 m	3,022 m	84.62		0 m	0 m
26R	200 ft	9,916 ft	279.92	CONCRETE	0 ft	0 ft
	61 m	3,022 m	264.65		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	ITL	110.55 MHz	18 nm	-	-	1 ft
				33 km	-		1 m
08R	DME	IVR	109.50 MHz	18 nm	-	-	4 ft
				33 km	-		4 m
26L	DME	IFZ	111.95 MHz	20 nm	-	-	10 ft
				37 km	-		10 m
26R	DME	IRD	110.70 MHz	20 nm	-	-	10 ft
				37 km	-		10 m
08L	LOC-ILS	ITL	110.55 MHz	18 nm	99.90	-	13 ft
				33 km	84.64		13 m
08R	LOC-ILS	IVR	109.50 MHz	18 nm	99.89	-	13 ft
				33 km	84.63		13 m
13	LOC-ILS	IMK	111.10 MHz	18 nm	141.93	-	13 ft
				33 km	126.67		13 m
26L	LOC-ILS	IFZ	110.70 MHz	18 nm	279.89	-	13 ft
				33 km	264.63		13 m
26R	LOC-ILS	IRD	111.95 MHz	18 nm	279.90	-	13 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	264.64		13 m
08L	GS	ITL	110.55 MHz	10 nm	99.90	3.00	13 ft
				19 km	84.64		13 m
08R	GS	IVR	109.50 MHz	10 nm	99.89	3.00	13 ft
				19 km	84.63		13 m
13	GS	IMK	111.10 MHz	10 nm	141.93	3.00	13 ft
				19 km	126.67		13 m
26L	GS	IFZ	110.70 MHz	10 nm	279.89	3.00	13 ft
				19 km	264.63		13 m
26R	GS	IRD	111.95 MHz	10 nm	279.90	3.00	13 ft
				19 km	264.64		13 m