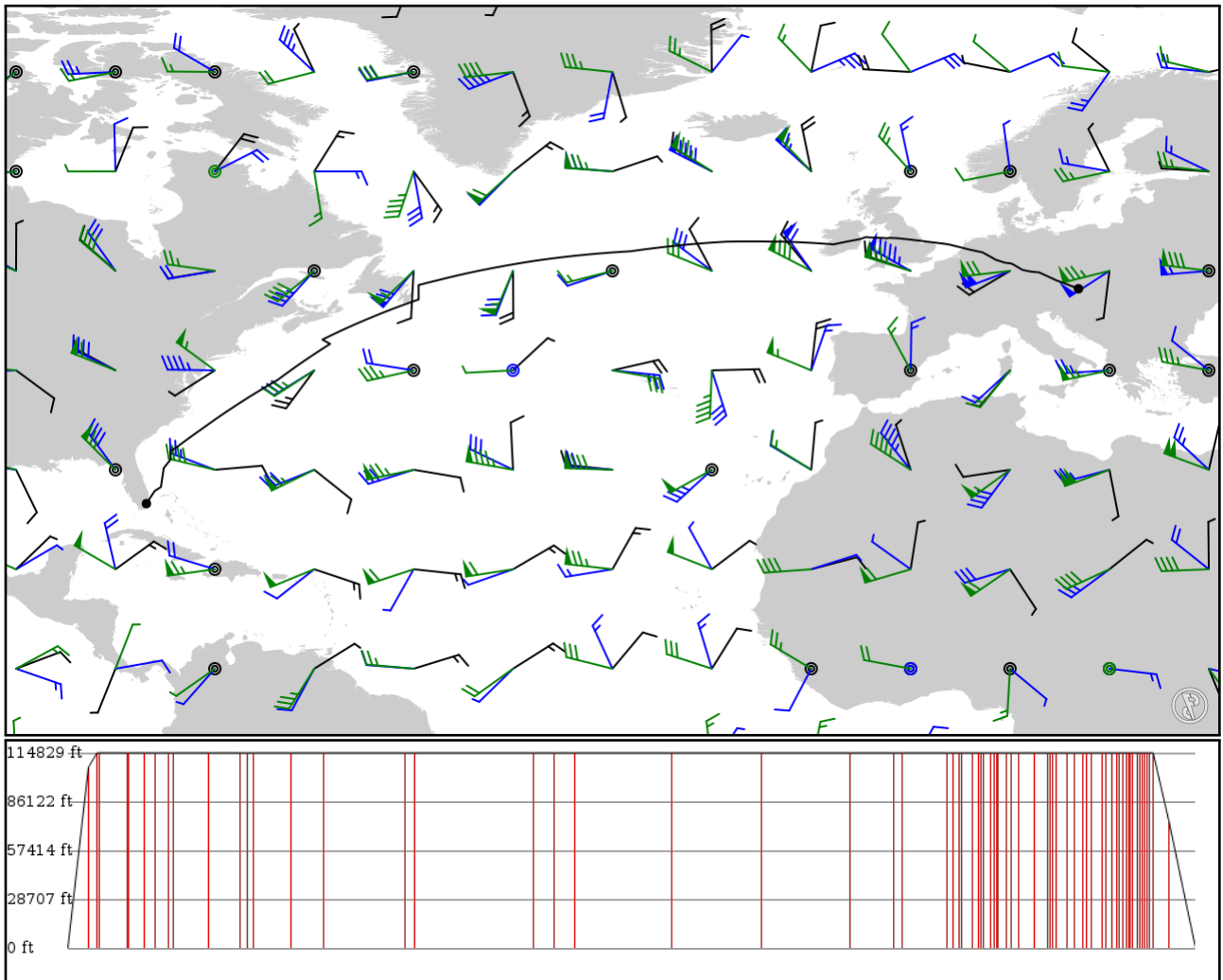


2024/05/05 0054Z

KMIA AMNDA **A699** RAMJT **AR18** ETECK **M202** CARPX **AR3** PERIE **M201** NOVOK GAYBL **N167A** OMSAT JOOPY **Z** GISTI
SHA **W12** KLY **W10** LIFFY **Q36** NOSLO **Z197** VOLFI WAL **M16** DOLAS **L603** LAMSO **UL603** GMH **Z841** GETNI ARPEG
Z52 MASEK **UL604** SULUS **UZ650** VEMUT **Z37** ABUDO LOWW

4716.59 nm / 8735.13 km



Notes

Using NAT tracks from 24/3/2021

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		
AMNDA	-	27.10000	32,400 ft	90	-
FIX	-	-79.43640	9,876 m		
PERMT	A699	27.41420	35,000 ft	32	-
FIX	AWY-HI	-78.94730	10,668 m		
RAMJT	A699	27.52040	35,000 ft	10	-
FIX	AWY-HI	-78.78000	10,668 m		
ETECK	AR18	29.48570	35,000 ft	119	-
FIX	AWY-HI	-78.48730	10,668 m		
CANIT	M202	29.56250	35,000 ft	5	-
FIX	AWY-HI	-78.42580	10,668 m		
CARPX	M202	30.40800	35,000 ft	61	-
FIX	AWY-HI	-77.75000	10,668 m		
PERIE	AR3	31.22860	35,000 ft	49	-
FIX	AWY-HI	-77.79690	10,668 m		
HANRI	M201	31.76460	35,000 ft	51	-
FIX	AWY-HI	-77.00000	10,668 m		
EMQUE	M201	31.99910	35,000 ft	21	-
FIX	AWY-HI	-76.68660	10,668 m		
GALWY	M201	33.58340	35,000 ft	146	-
FIX	AWY-HI	-74.48670	10,668 m		
PAEPR	M201	35.04200	35,000 ft	134	-
FIX	AWY-HI	-72.41660	10,668 m		
VEGAA	M201	35.32320	35,000 ft	26	-
FIX	AWY-HI	-72.00000	10,668 m		
ATUGI	M201	35.63850	35,000 ft	29	-
FIX	AWY-HI	-71.52670	10,668 m		
TILED	M201	37.26610	35,000 ft	157	-
FIX	AWY-HI	-68.97330	10,668 m		
DRYED	M201	38.63230	35,000 ft	136	-
FIX	AWY-HI	-66.66750	10,668 m		
NOVOK	M201	42.38160	35,000 ft	336	-
FIX	AWY-HI	-61.20160	10,668 m		
GAYBL	-	42.83330	35,000 ft	44	-
FIX	-	-62.00000	10,668 m		
OMSAT	N167A	47.00000	35,000 ft	492	-
FIX	AWY-HI	-52.00000	10,668 m		
JOOPY	-	48.50000	35,000 ft	90	-
FIX	-	-52.00000	10,668 m		
49/50	Z	49.00000	35,000 ft	84	-
LATLON	NAT	-50.00000	10,668 m		
51/40	Z	51.00000	35,000 ft	403	-
LATLON	NAT	-40.00000	10,668 m		
52/30	Z	52.00000	35,000 ft	378	-
LATLON	NAT	-30.00000	10,668 m		
53/20	Z	53.00000	35,000 ft	370	-
LATLON	NAT	-20.00000	10,668 m		
MALOT	Z	53.00000	35,000 ft	180	-
FIX	NAT	-15.00000	10,668 m		
GISTI	Z	53.00000	35,000 ft	36	-
FIX	NAT	-14.00000	10,668 m		
SHA	-	52.72100	35,000 ft	186	SHANNON

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	-	-8.88522	10,668 m		
TOMTO	W12	52.87360	35,000 ft	28	-
FIX	AWY-LO	-8.15144	10,668 m		
TORLU	W12	52.98780	35,000 ft	21	-
FIX	AWY-LO	-7.58306	10,668 m		
OSGAR	W12	53.04940	35,000 ft	11	-
FIX	AWY-LO	-7.27022	10,668 m		
KLY	W12	53.26960	35,000 ft	43	KILLINEY
NDB	AWY-LO	-6.10644	10,668 m		
LIFFY	W10	53.48010	35,000 ft	25	-
FIX	AWY-LO	-5.50000	10,668 m		
RULAV	Q36	53.43720	35,000 ft	12	-
FIX	AWY-HI	-5.16694	10,668 m		
ABGEP	Q36	53.42750	35,000 ft	10	-
FIX	AWY-HI	-4.86111	10,668 m		
ALAVA	Q36	53.39530	35,000 ft	31	-
FIX	AWY-HI	-3.97139	10,668 m		
NOSLO	Q36	53.38170	35,000 ft	11	-
FIX	AWY-HI	-3.64500	10,668 m		
VOLFI	Z197	53.34310	35,000 ft	10	-
FIX	AWY-HI	-3.36417	10,668 m		
WAL	-	53.39190	35,000 ft	8	WALLASEY
VOR	-	-3.13446	10,668 m		
MCT	M16	53.35700	35,000 ft	31	MANCHESTER
VOR	AWY-HI	-2.26229	10,668 m		
XAPOS	M16	53.29140	35,000 ft	22	-
FIX	AWY-HI	-1.63083	10,668 m		
NAPEX	M16	53.20640	35,000 ft	28	-
FIX	AWY-HI	-0.86111	10,668 m		
DOLAS	M16	52.97860	35,000 ft	68	-
FIX	AWY-HI	1.00083	10,668 m		
ENITO	L603	52.80140	35,000 ft	54	-
FIX	AWY-HI	2.46750	10,668 m		
DIBAL	L603	52.79720	35,000 ft	1	-
FIX	AWY-HI	2.50000	10,668 m		
BUKUT	L603	52.75830	35,000 ft	11	-
FIX	AWY-HI	2.80056	10,668 m		
LAMSO	L603	52.73290	35,000 ft	7	-
FIX	AWY-LO	2.99436	10,668 m		
EVELI	UL603	52.64040	35,000 ft	15	-
FIX	AWY-HI	3.38700	10,668 m		
BASNO	UL603	52.35020	35,000 ft	46	-
FIX	AWY-HI	4.57504	10,668 m		
SUPAM	UL603	52.15560	35,000 ft	30	-
FIX	AWY-HI	5.33722	10,668 m		
SOGPO	UL603	51.96560	35,000 ft	35	-
FIX	AWY-HI	6.25287	10,668 m		
TEBRO	UL603	51.89420	35,000 ft	13	-
FIX	AWY-HI	6.58778	10,668 m		
KOMOT	UL603	51.62860	35,000 ft	24	-
FIX	AWY-HI	7.07417	10,668 m		
GMH	UL603	51.17050	35,000 ft	41	GERMINGHAUSEN
VOR	AWY-HI	7.89204	10,668 m		
GETNI	Z841	51.11830	35,000 ft	3	-
FIX	AWY-HI	7.95472	10,668 m		
ARPEG	-	51.01660	35,000 ft	14	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	8.30634	10,668 m		
OHMAR	Z52	50.82490	35,000 ft	24	-
FIX	AWY-LO	8.88500	10,668 m		
SOPOX	Z52	50.75170	35,000 ft	21	-
FIX	AWY-LO	9.43333	10,668 m		
MASEK	Z52	50.72920	35,000 ft	6	-
FIX	AWY-LO	9.59833	10,668 m		
DEMAB	UL604	50.54110	35,000 ft	17	-
FIX	AWY-HI	9.95583	10,668 m		
ALIBU	UL604	50.37720	35,000 ft	14	-
FIX	AWY-HI	10.23030	10,668 m		
GORKO	UL604	50.22440	35,000 ft	13	-
FIX	AWY-HI	10.48390	10,668 m		
DIMSU	UL604	50.16690	35,000 ft	5	-
FIX	AWY-HI	10.57860	10,668 m		
SULUS	UL604	50.07520	35,000 ft	7	-
FIX	AWY-HI	10.72880	10,668 m		
TONSU	UZ650	49.96970	35,000 ft	20	-
FIX	AWY-HI	11.22580	10,668 m		
ERETO	UZ650	49.93100	35,000 ft	7	-
FIX	AWY-HI	11.40820	10,668 m		
NOGRA	UZ650	49.88170	35,000 ft	10	-
FIX	AWY-HI	11.67640	10,668 m		
NIKUS	UZ650	49.85360	35,000 ft	12	-
FIX	AWY-HI	11.99250	10,668 m		
TIPAM	UZ650	49.83000	35,000 ft	10	-
FIX	AWY-HI	12.25250	10,668 m		
VEMUT	UZ650	49.81070	35,000 ft	8	-
FIX	AWY-HI	12.46120	10,668 m		
ETVIS	Z37	49.65380	35,000 ft	16	-
FIX	AWY-HI	12.81740	10,668 m		
ABUDO	Z37	48.99650	22,800 ft	68	-
FIX	AWY-HI	14.24010	6,949 m		
LOWW	-	48.11010	0 ft	106	Vienna
APT	-	16.56960	0 m		

KMIA

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

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.272 W

METAR

KMIA 042353Z 10015KT 10SM SCT030 SCT060 SCT250 26/20 A2999 RMK A02 SLP156 T02610200 10294 20261 53006 \$

TAF

KMIA 042324Z 0500/0606 10011G20KT P6SM SCT030 FM050200 10009KT P6SM FEW030 FM051300 11012G20KT P6SM SCT025

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

LOWW

Region: AUSTRIA
Timezone: EUROPE/VIENNA
Runways: 2

Elevation: 600 ft / 183 m
Location: 48.110100 16.569600
Magnetic Var: 5.012 E

METAR

LOWW 050020Z 18006KT CAVOK 11/09 Q1013 NOSIG

TAF

TAF LOWW 042315Z 0500/0606 VRB03KT CAVOK TX24/0514Z TN10/0503Z BECMG 0506/0509 17010KT TEMPO 0513/0518 FEW050CB F

Frequencies

REC - 122.95 MHz - ATIS ARRIVAL	REC - 121.72 MHz - ATIS DEPARTURE
TWR - 124.47 MHz - WIEN TOWER	TWR - 123.80 MHz - WIEN TOWER
TWR - 121.20 MHz - WIEN TOWER	TWR - 119.40 MHz - WIEN TOWER
GND - 121.77 MHz - WIEN GROUND	GND - 121.60 MHz - WIEN GROUND
CLD - 122.12 MHz - CLEARANCE DELIVERY	APP - 134.67 MHz - WIEN RADAR
APP - 125.17 MHz - WIEN RADAR	APP - 129.05 MHz - WIEN RADAR
APP - 118.77 MHz - WIEN RADAR	APP - 136.25 MHz - WIEN RADAR
APP - 119.80 MHz - WIEN DIRECTOR	APP - 134.12 MHz - WIEN DIRECTOR
REC - 118.52 MHz - WIEN INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	148 ft	11,822 ft	164.23	ASPHALT	0 ft	197 ft
	45 m	3,604 m	159.22		0 m	60 m
34	148 ft	11,822 ft	344.24	ASPHALT	0 ft	194 ft
	45 m	3,604 m	339.23		0 m	59 m
11	148 ft	11,495 ft	115.99	ASPHALT	0 ft	174 ft
	45 m	3,504 m	110.97		0 m	53 m
29	148 ft	11,495 ft	296.02	ASPHALT	0 ft	187 ft
	45 m	3,504 m	291.01		0 m	57 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
11	DME	OEW	110.30 MHz	18 nm	-	-	593 ft
				33 km	-		593 m
16	DME	O EZ	108.50 MHz	18 nm	-	-	610 ft
				33 km	-		610 m
29	DME	O EX	109.55 MHz	18 nm	-	-	624 ft
				33 km	-		624 m
34	DME	O EN	108.10 MHz	18 nm	-	-	572 ft
				33 km	-		572 m
11	LOC-ILS	OEW	110.30 MHz	18 nm	116.04	-	600 ft
				33 km	111.03		600 m
16	LOC-ILS	O EZ	108.50 MHz	18 nm	164.25	-	600 ft
				33 km	159.24		600 m
29	LOC-ILS	O EX	109.55 MHz	18 nm	295.98	-	600 ft
				33 km	290.97		600 m
34	LOC-ILS	O EN	108.10 MHz	18 nm	344.21	-	600 ft
				33 km	339.20		600 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
11	GS	OEW	110.30 MHz	10 nm	116.02	3.10	593 ft
				19 km	111.01		593 m
16	GS	OEZ	108.50 MHz	10 nm	164.47	3.00	610 ft
				19 km	159.46		610 m
29	GS	OEX	109.55 MHz	10 nm	296.02	3.00	624 ft
				19 km	291.01		624 m
34	GS	OEN	108.10 MHz	10 nm	344.47	3.00	604 ft
				19 km	339.46		604 m