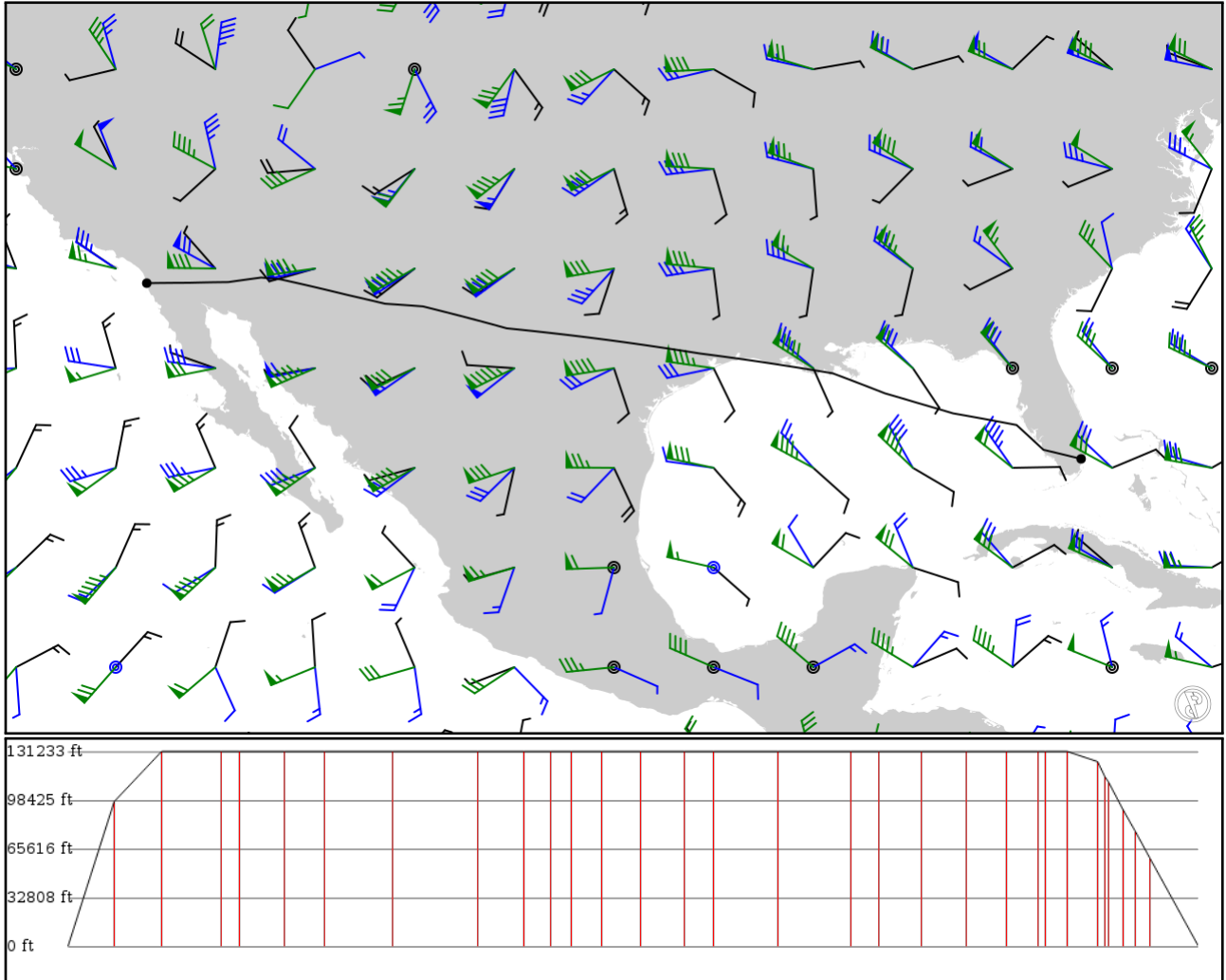


2024/05/05 0521Z

KMIA CYY **Q102** LEV **J86** JCT **J2** ALIBY **J50** GBN **J18** IPL KSAN

1986.84 nm / 3679.62 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 40000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: no
- 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		
CYY	-	26.15340	29,700 ft	83	CYPRESS (NAPLES)
VOR	-	-81.77810	9,053 m		
BAGGS	Q102	27.13420	40,000 ft	82	-
FIX	AWY-HI	-82.84090	12,192 m		
CIGAR	Q102	27.49350	40,000 ft	105	-
FIX	AWY-HI	-84.78320	12,192 m		
BACCA	Q102	27.59180	40,000 ft	30	-
FIX	AWY-HI	-85.34430	12,192 m		
BUNNZ	Q102	28.00970	40,000 ft	79	-
FIX	AWY-HI	-86.76260	12,192 m		
BLVNS	Q102	28.38230	40,000 ft	70	-
FIX	AWY-HI	-88.03420	12,192 m		
LEV	Q102	29.17520	40,000 ft	118	LEEVIILE (GRAND ISLE)
VOR	AWY-HI	-90.10400	12,192 m		
PEKON	J86	29.62300	40,000 ft	149	-
FIX	AWY-HI	-92.92400	12,192 m		
KAPAA	J86	29.84130	40,000 ft	81	-
FIX	AWY-HI	-94.46810	12,192 m		
IAH	J86	29.95690	40,000 ft	46	HUMBLE (HOUSTON)
VOR	AWY-HI	-95.34570	12,192 m		
CUZZZ	J86	30.07060	40,000 ft	37	-
FIX	AWY-HI	-96.06340	12,192 m		
PUFER	J86	30.22400	40,000 ft	53	-
FIX	AWY-HI	-97.07560	12,192 m		
SPURS	J86	30.40530	40,000 ft	66	-
FIX	AWY-HI	-98.34960	12,192 m		
JCT	J86	30.59800	40,000 ft	76	JUNCTION
VOR	AWY-HI	-99.81750	12,192 m		
KEMPL	J2	30.72030	40,000 ft	52	-
FIX	AWY-HI	-100.83200	12,192 m		
FST	J2	30.95210	40,000 ft	111	FORT STOCKTON
VOR	AWY-HI	-102.97600	12,192 m		
FIGMO	J2	31.59080	40,000 ft	129	-
FIX	AWY-HI	-105.38200	12,192 m		
ELP	J2	31.81590	40,000 ft	47	EL PASO
VOR	AWY-HI	-106.28200	12,192 m		
ALIBY	J2	31.92130	40,000 ft	76	-
FIX	AWY-HI	-107.77900	12,192 m		
SSO	J50	32.26920	40,000 ft	78	SAN SIMON
VOR	AWY-HI	-109.26300	12,192 m		
ITEMM	J50	32.58650	40,000 ft	69	-
FIX	AWY-HI	-110.59000	12,192 m		
TOTEC	J50	32.82660	40,000 ft	55	-
FIX	AWY-HI	-111.64200	12,192 m		
TFD	J50	32.88590	40,000 ft	13	STANFIELD (CASA GRANDE)
VOR	AWY-HI	-111.90900	12,192 m		
GBN	J50	32.95630	40,000 ft	38	GILA BEND
VOR	AWY-HI	-112.67400	12,192 m		
JUDTH	J18	32.81650	37,900 ft	51	-
FIX	AWY-HI	-113.68800	11,552 m		
MOHAK	J18	32.77580	34,800 ft	14	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-113.97200	10,607 m		
HOGGZ	J18	32.77490	33,700 ft	4	-
FIX	AWY-HI	-114.06900	10,272 m		
BZA	J18	32.76810	28,000 ft	26	BARD (YUMA)
VOR	AWY-HI	-114.60300	8,534 m		
HEEDS	J18	32.76030	23,600 ft	20	-
FIX	AWY-HI	-115.00800	7,193 m		
IPL	J18	32.74890	18,100 ft	25	IMPERIAL
VOR	AWY-HI	-115.50900	5,517 m		
KSAN	-	32.73360	0 ft	84	San Diego Intl
APT	-	-117.19000	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 050453Z 11008KT 10SM SCT023 25/21 A3002 RMK A02 SLP166 T02500206 402940233 \$

TAF

KMIA 050243Z 0503/0606 10009KT P6SM FEW030 FM051300 11012G20KT P6SM SCT025

Frequencies

REC - 119.15 MHz - D-ATIS	REC - 133.67 MHz - D-ATIS
COM - 123.00 MHz - UNICOM	CLD - 135.35 MHz - CLEARANCE DELIVERY
GND - 121.80 MHz - MIAMI GROUND	GND - 127.50 MHz - MIAMI GROUND
TWR - 118.30 MHz - MIAMI TOWER	TWR - 123.90 MHz - MIAMI TOWER
APP - 120.50 MHz - MIAMI APPROACH	APP - 124.85 MHz - MIAMI APPROACH
APP - 125.75 MHz - MIAMI APPROACH	DEP - 119.45 MHz - MIAMI DEPARTURE
DEP - 125.50 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

KSAN

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 1

Elevation: 17 ft / 5 m
Location: 32.733600 -117.190000
Magnetic Var: 10.971 E

METAR

KSAN 050451Z 28006KT 10SM FEW016 SCT021 BKN034 16/12 A2996 RMK A02 SLP143 T01610122 \$

TAF

TAF AMD KSAN 050330Z 0504/0606 31005KT P6SM SCT015 BKN025 OVC035 FM051000 29010KT P6SM VCSH BKN019 FM051400 29015

Frequencies

REC - 134.80 MHz - LINDBERGH ATIS	CLD - 125.90 MHz - LINDBERGH CLEARANCE
GND - 123.90 MHz - LINDBERGH GROUND	TWR - 118.30 MHz - LINDBERGH TOWER
DEP - 119.60 MHz - SOCAL WEST DEPARTURE	DEP - 124.35 MHz - SOCAL EAST DEPARTURE
APP - 119.60 MHz - SOCAL WEST APPROACH	APP - 124.35 MHz - SOCAL EAST APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	200 ft	9,388 ft	106.13	ASPHALT	1,004 ft	390 ft
	61 m	2,861 m	95.16		306 m	119 m
27	200 ft	9,388 ft	286.15	ASPHALT	1,811 ft	0 ft
	61 m	2,861 m	275.18		552 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISAN	111.55 MHz	18 nm	-	-	29 ft
				33 km	-		29 m
27	DME	IUBR	110.90 MHz	18 nm	-	-	26 ft
				33 km	-		26 m
09	LOC-ILS	ISAN	111.55 MHz	18 nm	106.14	-	17 ft
				33 km	95.17		17 m
27	LOC-LOC	IUBR	110.90 MHz	18 nm	286.14	-	17 ft
				33 km	275.17		17 m
09	GS	ISAN	111.55 MHz	10 nm	106.14	3.10	17 ft
				19 km	95.17		17 m