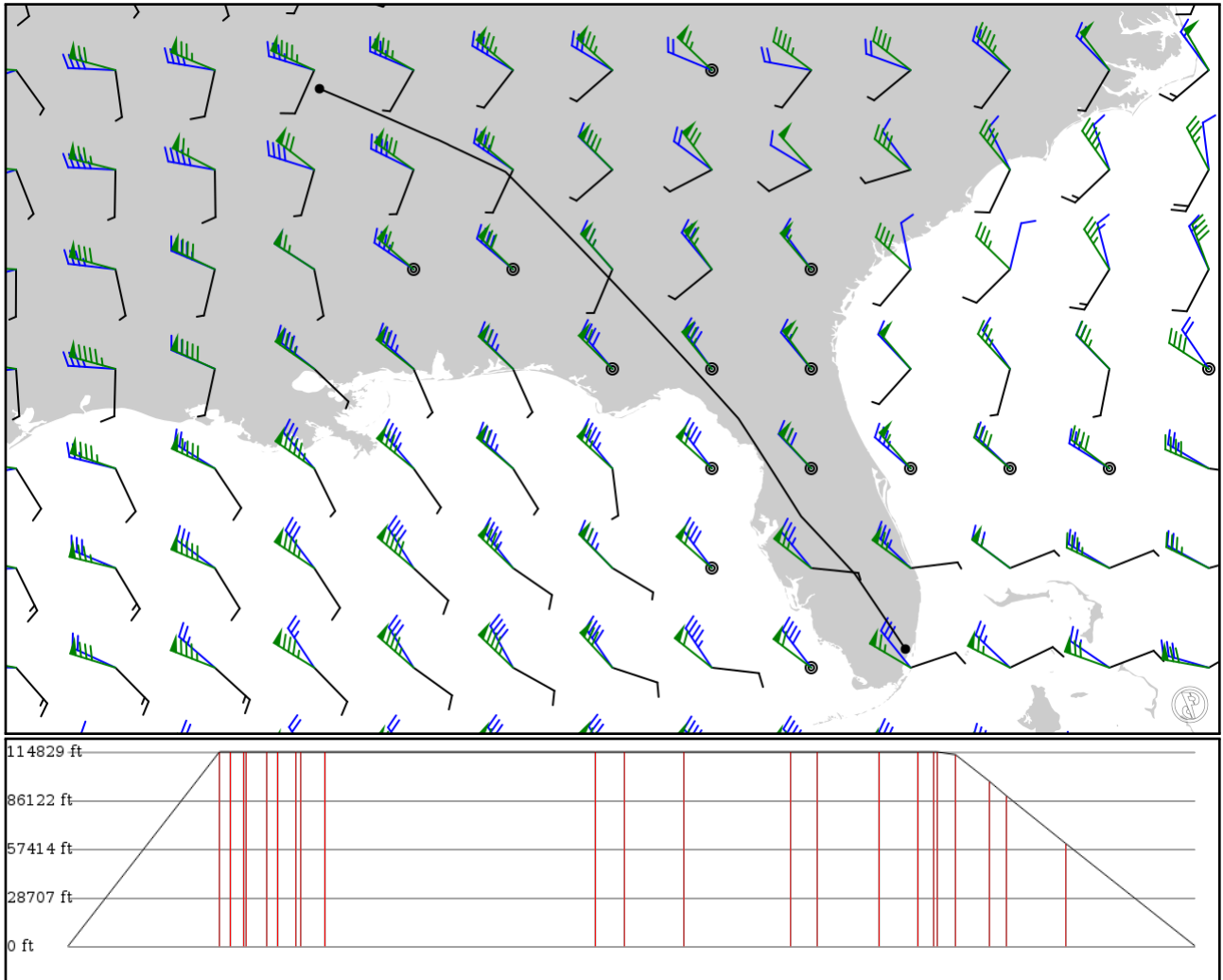


2024/06/15 1340Z

KMEM HAGIV **V159** VUZ **J151** CTY **V521** LAL **V511** SIGNL KMIA

759.52 nm / 1406.63 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
KMEM	-	35.04270	0 ft	-	Memphis Int'l
APT	-	-89.97660	0 m		
HAGIV	-	34.24870	35,000 ft	102	-
FIX	-	-88.13880	10,668 m		
HAB	V159	34.19880	35,000 ft	6	HAMILTON
VOR	AWY-LO	-88.01160	10,668 m		
IVMEC	V159	34.12490	35,000 ft	8	-
FIX	AWY-LO	-87.85420	10,668 m		
FOGUM	V159	34.10700	35,000 ft	1	-
FIX	AWY-LO	-87.82340	10,668 m		
EXIST	V159	33.99380	35,000 ft	13	-
FIX	AWY-LO	-87.58150	10,668 m		
CHOOK	V159	33.93460	35,000 ft	7	-
FIX	AWY-LO	-87.45590	10,668 m		
CORES	V159	33.83530	35,000 ft	12	-
FIX	AWY-LO	-87.24350	10,668 m		
NEGEE	V159	33.80350	35,000 ft	3	-
FIX	AWY-LO	-87.17690	10,668 m		
VUZ	V159	33.67010	35,000 ft	15	VULCAN (BIRMINGHAM)
VOR	AWY-LO	-86.89980	10,668 m		
WYATT	J151	31.32290	35,000 ft	182	-
FIX	AWY-HI	-84.62510	10,668 m		
NEDDY	J151	31.06420	35,000 ft	19	-
FIX	AWY-HI	-84.38380	10,668 m		
CAPPS	J151	30.54530	35,000 ft	39	-
FIX	AWY-HI	-83.90500	10,668 m		
CTY	J151	29.59900	35,000 ft	72	CROSS CITY
VOR	AWY-HI	-83.04880	10,668 m		
ORATE	V521	29.34040	35,000 ft	17	-
FIX	AWY-LO	-82.88020	10,668 m		
NITTS	V521	28.74150	35,000 ft	41	-
FIX	AWY-LO	-82.49390	10,668 m		
DADES	V521	28.36270	35,000 ft	26	-
FIX	AWY-LO	-82.25220	10,668 m		
JUVAS	V521	28.20290	35,000 ft	10	-
FIX	AWY-LO	-82.15080	10,668 m		
PLUMY	V521	28.17090	35,000 ft	2	-
FIX	AWY-LO	-82.13050	10,668 m		
LAL	V521	27.98620	34,500 ft	12	LAKELAND
VOR	AWY-LO	-82.01390	10,516 m		
CAVAR	V511	27.69990	29,700 ft	22	-
FIX	AWY-LO	-81.74420	9,053 m		
HALLR	V511	27.54470	27,100 ft	12	-
FIX	AWY-LO	-81.59880	8,260 m		
SIGNL	V511	27.03340	18,500 ft	39	-
FIX	AWY-LO	-81.12380	5,639 m		
KMIA	-	25.79620	0 ft	86	Miami Intl
APT	-	-80.28970	0 m		

## KMEM

Region: UNITED STATES

Timezone: AMERICA/CHICAGO

Runways: 4

Elevation: 340 ft / 104 m

Location: 35.042700 -89.976600

Magnetic Var: 1.989 W

## METAR

KMEM 151254Z 00000KT 10SM CLR 28/21 A3000 RMK A02 SLP152 T02780211

## TAF

TAF KMEM 151120Z 1512/1618 VRB04KT P6SM SKC FM151800 14005KT P6SM FEW050 FM160100 14005KT P6SM SKC FM161600 18006KT

## Frequencies

REC - 127.75 MHz - D-ATIS

GND - 121.00 MHz - MEMPHIS GROUND

GND - 121.90 MHz - MEMPHIS GROUND

TWR - 119.70 MHz - MEMPHIS TOWER

CLD - 125.20 MHz - CLEARANCE DELIVERY

DEP - 124.65 MHz - MEMPHIS DEPARTURE

APP - 125.80 MHz - MEMPHIS APPROACH

COM - 122.95 MHz - MEMPHIS UNICOM

GND - 121.65 MHz - MEMPHIS GROUND

TWR - 118.30 MHz - MEMPHIS TOWER

TWR - 128.42 MHz - MEMPHIS TOWER

DEP - 124.15 MHz - MEMPHIS DEPARTURE

APP - 119.10 MHz - MEMPHIS APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18R	150 ft	9,343 ft	179.00	CONCRETE	0 ft	404 ft
	46 m	2,848 m	180.98		0 m	123 m
36L	150 ft	9,343 ft	359.00	CONCRETE	0 ft	869 ft
	46 m	2,848 m	0.98		0 m	265 m
18C	150 ft	11,148 ft	179.01	CONCRETE	0 ft	404 ft
	46 m	3,398 m	181.00		0 m	123 m
36C	150 ft	11,148 ft	359.01	CONCRETE	0 ft	400 ft
	46 m	3,398 m	1.00		0 m	122 m
18L	150 ft	9,024 ft	179.01	CONCRETE	0 ft	400 ft
	46 m	2,750 m	181.00		0 m	122 m
36R	150 ft	9,024 ft	359.01	CONCRETE	0 ft	400 ft
	46 m	2,750 m	1.00		0 m	122 m
09	150 ft	8,931 ft	91.96	CONCRETE	0 ft	397 ft
	46 m	2,722 m	93.95		0 m	121 m
27	150 ft	8,931 ft	271.98	CONCRETE	0 ft	0 ft
	46 m	2,722 m	273.97		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18L	DME	IEXS	111.15 MHz	18 nm	-	-	341 ft
				33 km	-		341 m
36C	DME	ITSE	110.50 MHz	18 nm	-	-	341 ft
				33 km	-		341 m
36L	DME	IOHN	108.90 MHz	18 nm	-	-	341 ft
				33 km	-		341 m
36R	DME	IMYO	111.35 MHz	18 nm	-	-	341 ft
				33 km	-		341 m
09	LOC-ILS	IMEM	109.50 MHz	18 nm	91.97	-	341 ft
				33 km	93.96		341 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18C	LOC-ILS	ISDU	111.95 MHz	18 nm	179.01	-	341 ft
				33 km	181.00		341 m
18L	LOC-ILS	IEXS	111.15 MHz	18 nm	179.02	-	341 ft
				33 km	181.01		341 m
18R	LOC-ILS	IOOI	109.90 MHz	18 nm	178.99	-	341 ft
				33 km	180.98		341 m
27	LOC-ILS	IJIM	108.70 MHz	18 nm	271.97	-	341 ft
				33 km	273.96		341 m
36C	LOC-ILS	ITSE	110.50 MHz	18 nm	359.01	-	341 ft
				33 km	1.00		341 m
36L	LOC-ILS	IOHN	108.90 MHz	18 nm	358.99	-	341 ft
				33 km	0.98		341 m
36R	LOC-ILS	IMYO	111.35 MHz	18 nm	359.02	-	341 ft
				33 km	1.01		341 m
09	GS	IMEM	109.50 MHz	10 nm	91.97	3.00	341 ft
				19 km	93.96		341 m
18C	GS	ISDU	111.95 MHz	10 nm	179.01	3.00	341 ft
				19 km	181.00		341 m
18L	GS	IEXS	111.15 MHz	10 nm	179.02	3.00	341 ft
				19 km	181.01		341 m
18R	GS	IOOI	109.90 MHz	10 nm	178.99	3.00	341 ft
				19 km	180.98		341 m
27	GS	IJIM	108.70 MHz	10 nm	271.97	3.00	341 ft
				19 km	273.96		341 m
36C	GS	ITSE	110.50 MHz	10 nm	359.01	3.00	341 ft
				19 km	1.00		341 m
36L	GS	IOHN	108.90 MHz	10 nm	358.99	3.00	341 ft
				19 km	0.98		341 m
36R	GS	IMYO	111.35 MHz	10 nm	359.02	3.00	341 ft
				19 km	1.01		341 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 151253Z 00000KT 7SM SCT070 BKN100 OVC140 26/25 A3000 RMK A02 RAB39E49 SLP160 P0000 T02610250 \$

## TAF

TAF KMIA 151120Z 1512/1618 VRB04KT P6SM VCSH SCT030 BKN100 BKN250 FM151500 24006KT P6SM VCSH SCT030 SCT250 FM151800 30010KT 7SM SCT040 BKN100 BKN250

## 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