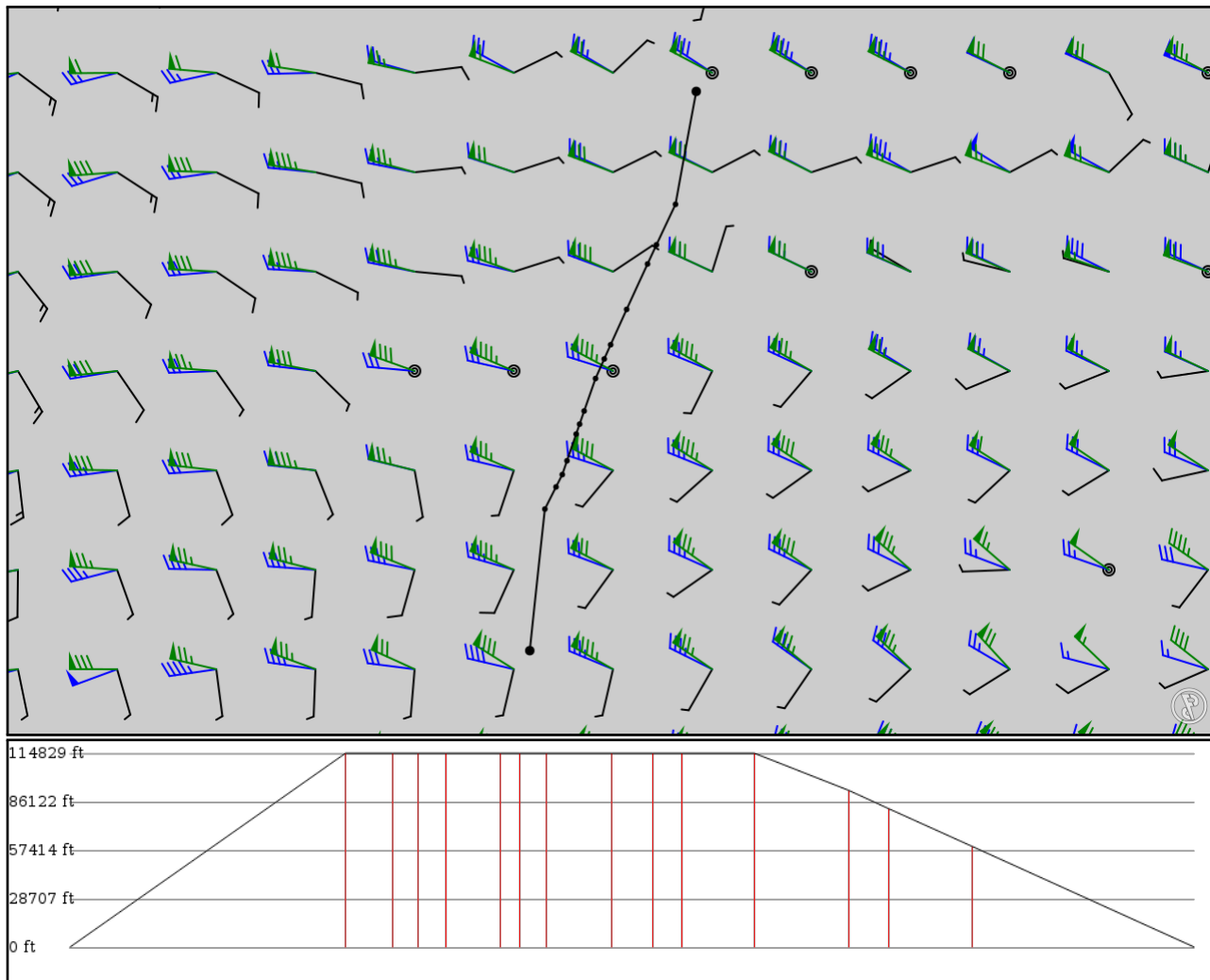


2024/06/05 1718Z

KMEM AVOTE **V313** ENL **J71** RBS KORD

430.59 nm / 797.45 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	-	35.04267	0 ft	-	MEMPHIS INTL
APT	-	-89.97663	0 m		
AVOTE	-	36.79967	35,000 ft	105	-
FIX	-	-89.78886	10,668 m		
JAPPY	V313	37.07434	35,000 ft	17	-
FIX	AWY-LO	-89.65020	10,668 m		
CGI	V313	37.22753	35,000 ft	9	CAPE GIRARDEAU VOR-DME
DME	AWY-LO	-89.57239	10,668 m		
ALING	V313	37.39906	35,000 ft	10	-
FIX	AWY-LO	-89.51378	10,668 m		
GENTS	V313	37.72999	35,000 ft	20	-
FIX	AWY-LO	-89.39988	10,668 m		
DEVER	V313	37.85344	35,000 ft	7	-
FIX	AWY-LO	-89.35714	10,668 m		
ZORAL	V313	38.01665	35,000 ft	10	-
FIX	AWY-LO	-89.30039	10,668 m		
ENL	V313	38.42000	35,000 ft	25	CENTRALIA VORTAC
VOR	AWY-LO	-89.15900	10,668 m		
BOSIE	J71	38.66249	35,000 ft	15	-
FIX	AWY-HI	-89.05062	10,668 m		
CAROL	J71	38.83921	35,000 ft	11	-
FIX	AWY-HI	-88.97117	10,668 m		
COWES	J71	39.27818	35,000 ft	27	-
FIX	AWY-HI	-88.77190	10,668 m		
GORDO	J71	39.84177	28,300 ft	35	-
FIX	AWY-HI	-88.51203	8,626 m		
JARKE	J71	40.07974	25,000 ft	15	-
FIX	AWY-HI	-88.40121	7,620 m		
RBS	J71	40.58169	18,200 ft	32	ROBERTS VOR-DME
VOR	AWY-HI	-88.16428	5,547 m		
KORD	-	41.98274	0 ft	84	CHICAGO OHARE INTL
APT	-	-87.90631	0 m		

## KMEM

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

Elevation: 340 ft / 104 m  
Location: 35.042700 -89.976600  
Magnetic Var: 1.986 W

## METAR

KMEM 051654Z 23011KT 10SM BKN021 BKN130 27/22 A2975 RMK A02 SLP068 T02670217

## TAF

TAF AMD KMEM 051459Z 0515/0618 19012G22KT P6SM OVC025 FM051800 20012G18KT P6SM VCTS SCT030CB BKN045 FM060300 2700

## Frequencies

REC - 127.75 MHz - D-ATIS	COM - 122.95 MHz - MEMPHIS UNICOM
GND - 121.00 MHz - MEMPHIS GROUND	GND - 121.65 MHz - MEMPHIS GROUND
GND - 121.90 MHz - MEMPHIS GROUND	TWR - 118.30 MHz - MEMPHIS TOWER
TWR - 119.70 MHz - MEMPHIS TOWER	TWR - 128.42 MHz - MEMPHIS TOWER
CLD - 125.20 MHz - CLEARANCE DELIVERY	DEP - 124.15 MHz - MEMPHIS DEPARTURE
DEP - 124.65 MHz - MEMPHIS DEPARTURE	APP - 119.10 MHz - MEMPHIS APPROACH
APP - 125.80 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

## KORD

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 6

Elevation: 680 ft / 207 m  
Location: 41.973400 -87.906600  
Magnetic Var: 4.115 W

## METAR

KORD 051651Z 25011KT 10SM BKN015 BKN024 23/19 A2961 RMK A02 SLP023 T02280194

## TAF

TAF AMD KORD 051453Z 0515/0618 22012KT P6SM SCT012 BKN100 TEMPO 0515/0519 6SM -SHRA BKN010 FM051900 27013G22KT P6SM

## Frequencies

REC - 135.40 MHz - ATIS	COM - 122.95 MHz - UNICOM
CLD - 119.25 MHz - CLEARANCE DELIVERY	CLD - 121.60 MHz - CLEARANCE DELIVERY
GND - 118.05 MHz - O'HARE GROUND	GND - 121.67 MHz - O'HARE GROUND
GND - 121.75 MHz - O'HARE GROUND	GND - 121.90 MHz - O'HARE GROUND
GND - 124.12 MHz - O'HARE GROUND	GND - 134.12 MHz - O'HARE GROUND
TWR - 120.75 MHz - O'HARE TOWER	TWR - 121.15 MHz - O'HARE TOWER
TWR - 126.90 MHz - O'HARE TOWER	TWR - 127.92 MHz - O'HARE TOWER
TWR - 132.70 MHz - O'HARE TOWER	TWR - 128.15 MHz - O'HARE TOWER
TWR - 133.00 MHz - O'HARE TOWER	APP - 119.00 MHz - CHICAGO APPROACH
APP - 133.62 MHz - CHICAGO APPROACH	APP - 124.35 MHz - CHICAGO APPROACH
APP - 125.70 MHz - CHICAGO APPROACH	DEP - 125.00 MHz - CHICAGO DEPARTURE
DEP - 125.40 MHz - CHICAGO DEPARTURE	DEP - 127.40 MHz - CHICAGO DEPARTURE
DEP - 128.80 MHz - CHICAGO DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10C	200 ft	10,789 ft	89.85	CONCRETE	0 ft	397 ft
	61 m	3,289 m	93.97		0 m	121 m
28C	200 ft	10,789 ft	269.88	CONCRETE	0 ft	381 ft
	61 m	3,289 m	273.99		0 m	116 m
10L	151 ft	12,996 ft	89.87	CONCRETE	0 ft	394 ft
	46 m	3,961 m	93.99		0 m	120 m
28R	151 ft	12,996 ft	269.91	CONCRETE	0 ft	285 ft
	46 m	3,961 m	274.02		0 m	87 m
04R	151 ft	8,074 ft	41.40	CONCRETE	0 ft	850 ft
	46 m	2,461 m	45.52		0 m	259 m
22L	151 ft	8,074 ft	221.41	CONCRETE	0 ft	584 ft
	46 m	2,461 m	225.53		0 m	178 m
09R	151 ft	7,949 ft	89.98	CONCRETE	0 ft	148 ft
	46 m	2,423 m	94.09		0 m	45 m
27L	151 ft	7,949 ft	270.00	CONCRETE	0 ft	197 ft
	46 m	2,423 m	274.11		0 m	60 m
09L	151 ft	7,484 ft	89.99	CONCRETE	0 ft	397 ft
	46 m	2,281 m	94.10		0 m	121 m
27R	151 ft	7,484 ft	270.00	CONCRETE	0 ft	397 ft
	46 m	2,281 m	274.12		0 m	121 m
10R	151 ft	7,484 ft	89.85	CONCRETE	0 ft	400 ft
	46 m	2,281 m	93.97		0 m	122 m
28L	151 ft	7,484 ft	269.87	CONCRETE	0 ft	400 ft
	46 m	2,281 m	273.98		0 m	122 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	ISAJ	111.75 MHz	18 nm	-	-	668 ft
				33 km	-		668 m
10L	DME	IMED	111.10 MHz	18 nm	-	-	678 ft
				33 km	-		678 m
27L	DME	IIAC	110.50 MHz	18 nm	-	-	641 ft
				33 km	-		641 m
27R	DME	IABU	111.75 MHz	18 nm	-	-	668 ft
				33 km	-		668 m
28R	DME	ITSL	111.10 MHz	18 nm	-	-	678 ft
				33 km	-		678 m
04R	LOC-ILS	IFJU	110.10 MHz	18 nm	41.41	-	680 ft
				33 km	45.52		680 m
09L	LOC-ILS	ISAJ	111.75 MHz	18 nm	90.00	-	680 ft
				33 km	94.11		680 m
09R	LOC-ILS	IJAV	110.50 MHz	18 nm	89.99	-	680 ft
				33 km	94.10		680 m
10L	LOC-ILS	IMED	111.10 MHz	18 nm	89.89	-	680 ft
				33 km	94.00		680 m
10C	LOC-ILS	ISXH	108.95 MHz	18 nm	89.86	-	680 ft
				33 km	93.97		680 m
10R	LOC-ILS	IIZJ	110.75 MHz	18 nm	89.86	-	680 ft
				33 km	93.97		680 m
22L	LOC-ILS	ILQQ	110.10 MHz	18 nm	221.41	-	680 ft
				33 km	225.52		680 m
27L	LOC-ILS	IIAC	110.50 MHz	18 nm	269.99	-	680 ft
				33 km	274.10		680 m
27R	LOC-ILS	IABU	111.75 MHz	18 nm	270.00	-	680 ft
				33 km	274.11		680 m
28L	LOC-ILS	IVQX	110.75 MHz	18 nm	269.87	-	680 ft
				33 km	273.98		680 m
28C	LOC-ILS	IVZE	108.95 MHz	18 nm	269.87	-	680 ft
				33 km	273.98		680 m
28R	LOC-ILS	ITSL	111.10 MHz	18 nm	269.88	-	680 ft
				33 km	273.99		680 m
04R	GS	IFJU	110.10 MHz	10 nm	41.41	3.00	680 ft
				19 km	45.52		680 m
09L	GS	ISAJ	111.75 MHz	10 nm	90.00	3.00	680 ft
				19 km	94.11		680 m
09R	GS	IJAV	110.50 MHz	10 nm	89.99	3.00	680 ft
				19 km	94.10		680 m
10L	GS	IMED	111.10 MHz	10 nm	89.89	3.00	680 ft
				19 km	94.00		680 m
10C	GS	ISXH	108.95 MHz	10 nm	89.86	3.00	680 ft
				19 km	93.97		680 m
10R	GS	IIZJ	110.75 MHz	10 nm	89.86	3.00	680 ft
				19 km	93.97		680 m
22L	GS	ILQQ	110.10 MHz	10 nm	221.41	3.00	680 ft
				19 km	225.52		680 m
27L	GS	IIAC	110.50 MHz	10 nm	269.99	3.00	680 ft
				19 km	274.10		680 m
27R	GS	IABU	111.75 MHz	10 nm	270.00	3.00	680 ft
				19 km	274.11		680 m
28L	GS	IVQX	110.75 MHz	10 nm	269.87	3.00	680 ft
				19 km	273.98		680 m
28C	GS	IVZE	108.95 MHz	10 nm	269.87	3.00	680 ft
				19 km	273.98		680 m
28R	GS	ITSL	111.10 MHz	10 nm	269.88	3.00	680 ft
				19 km	273.99		680 m