

KMEM

Memphis Intl

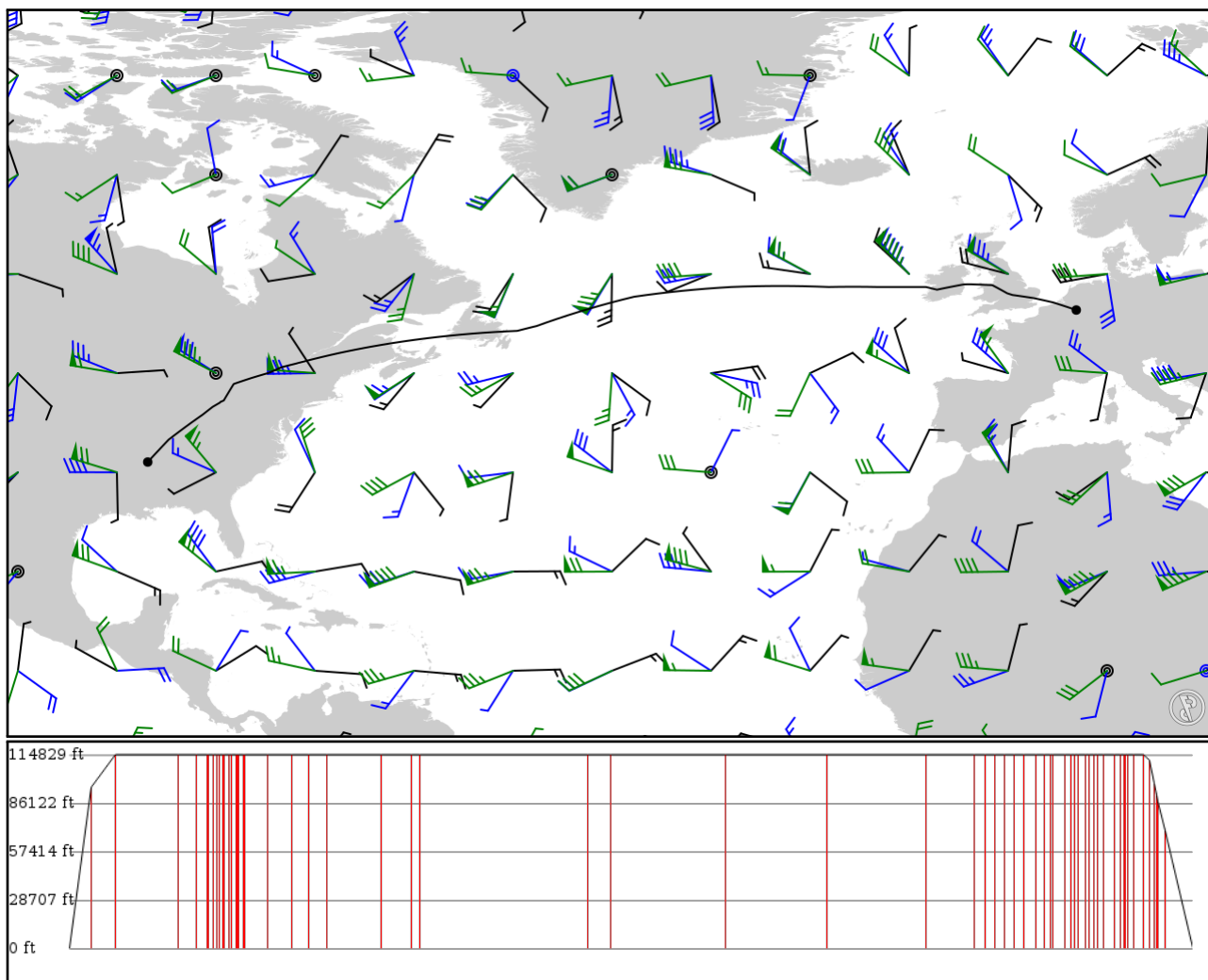
EBLG

Liege

2024/06/06 0444Z

KMEM OMDUE **Q29** DUTSH BRUNZ **V14** DJB **V5** BROKK **V406** YXU DERLO **Q907** MILLS **N269A** JOOPY **T** GISTI
5300N01300W 5300N01200W 5300N01100W 5300N01000W SHA **W12** KLY DEXEN **UY124** AMPIT **UL15** HON **UL10** DTY
M189 CLN **L608** SASKI **L179** KEGIT EBLG

4112.69 nm / 7616.71 km



Notes

Using NAT tracks from 10/11/2023

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 Intl
APT	-	-89.97660	0 m		
OMDUE	-	36.12980	29,100 ft	81	-
FIX	-	-88.96990	8,870 m		
SIDAE	Q29	37.33330	35,000 ft	90	-
FIX	AWY-HI	-87.83330	10,668 m		
CREEP	Q29	39.92090	35,000 ft	226	-
FIX	AWY-HI	-84.30870	10,668 m		
KLYNE	Q29	40.69850	35,000 ft	65	-
FIX	AWY-HI	-83.31230	10,668 m		
DUTSH	Q29	41.14070	35,000 ft	43	-
FIX	AWY-HI	-82.55350	10,668 m		
BRUNZ	-	41.21010	35,000 ft	4	-
FIX	-	-82.50030	10,668 m		
DJB	V14	41.35810	35,000 ft	17	DRYER
VOR	AWY-LO	-82.16200	10,668 m		
OTOCE	V5	41.55000	35,000 ft	12	-
FIX	AWY-LO	-82.04910	10,668 m		
CRIBS	V5	41.63570	35,000 ft	5	-
FIX	AWY-LO	-81.99850	10,668 m		
GILLS	V5	41.88530	35,000 ft	16	-
FIX	AWY-LO	-81.85030	10,668 m		
DCTYP	V5	41.94900	35,000 ft	4	-
FIX	AWY-LO	-81.81170	10,668 m		
DOLFN	V5	42.21320	35,000 ft	17	-
FIX	AWY-LO	-81.65350	10,668 m		
BROKK	V5	42.33140	35,000 ft	7	-
FIX	AWY-LO	-81.58190	10,668 m		
BOVEX	V406	42.59530	35,000 ft	17	-
FIX	AWY-LO	-81.42160	10,668 m		
DUSUT	V406	42.64950	35,000 ft	3	-
FIX	AWY-LO	-81.38850	10,668 m		
FINGL	V406	42.75670	35,000 ft	7	-
FIX	AWY-LO	-81.32280	10,668 m		
YXU	V406	43.03790	35,000 ft	18	LONDON
VOR	AWY-LO	-81.14890	10,668 m		
DERLO	-	43.06640	35,000 ft	2	-
FIX	-	-81.09530	10,668 m		
SIKBO	Q907	43.65360	35,000 ft	84	-
FIX	AWY-HI	-79.34920	10,668 m		
AGNOB	Q907	44.20090	35,000 ft	86	-
FIX	AWY-HI	-77.50200	10,668 m		
LORKA	Q907	44.76910	35,000 ft	64	-
FIX	AWY-HI	-76.21660	10,668 m		
ADVIK	Q907	45.13440	35,000 ft	65	-
FIX	AWY-HI	-74.77580	10,668 m		
ATENE	Q907	46.23440	35,000 ft	200	-
FIX	AWY-HI	-70.27250	10,668 m		
IMAMA	Q907	46.73830	35,000 ft	107	-
FIX	AWY-HI	-67.77750	10,668 m		
MIILS	Q907	46.87360	35,000 ft	31	-
FIX	AWY-HI	-67.04830	10,668 m		
JOOPY	N269A	48.50000	35,000 ft	615	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-52.00000	10,668 m		
49/50	T	49.00000	35,000 ft	84	-
LATLON	NAT	-50.00000	10,668 m		
52/40	T	52.00000	35,000 ft	421	-
LATLON	NAT	-40.00000	10,668 m		
53/30	T	53.00000	35,000 ft	370	-
LATLON	NAT	-30.00000	10,668 m		
53/20	T	53.00000	35,000 ft	361	-
LATLON	NAT	-20.00000	10,668 m		
MALOT	T	53.00000	35,000 ft	180	-
FIX	NAT	-15.00000	10,668 m		
GISTI	T	53.00000	35,000 ft	36	-
FIX	NAT	-14.00000	10,668 m		
5300N01300W	-	53.00000	35,000 ft	36	-
LATLON	-	-13.00000	10,668 m		
5300N01200W	-	53.00000	35,000 ft	36	-
LATLON	-	-12.00000	10,668 m		
5300N01100W	-	53.00000	35,000 ft	36	-
LATLON	-	-11.00000	10,668 m		
5300N01000W	-	53.00000	35,000 ft	36	-
LATLON	-	-10.00000	10,668 m		
SHA	-	52.72100	35,000 ft	43	SHANNON
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		
DEXEN	-	53.28030	35,000 ft	21	-
FIX	-	-5.50000	10,668 m		
LOMVO	UY124	53.27110	35,000 ft	11	-
FIX	AWY-HI	-5.17944	10,668 m		
LUTIP	UY124	53.25610	35,000 ft	15	-
FIX	AWY-HI	-4.73778	10,668 m		
BAGIT	UY124	53.22920	35,000 ft	26	-
FIX	AWY-HI	-3.98833	10,668 m		
DOLOP	UY124	53.21420	35,000 ft	12	-
FIX	AWY-HI	-3.63083	10,668 m		
AMPIT	UY124	53.19420	35,000 ft	15	-
FIX	AWY-HI	-3.19250	10,668 m		
RISLA	UL15	53.03080	35,000 ft	14	-
FIX	AWY-HI	-2.88667	10,668 m		
KEPAD	UL15	52.80970	35,000 ft	19	-
FIX	AWY-HI	-2.47889	10,668 m		
HON	UL15	52.35670	35,000 ft	40	HONILEY
VOR	AWY-HI	-1.66373	10,668 m		
DTY	UL10	52.18010	35,000 ft	22	DAVENTRY
VOR	AWY-HI	-1.11379	10,668 m		
OLNEY	M189	52.12780	35,000 ft	14	-
FIX	AWY-LO	-0.73417	10,668 m		
HEIDI	M189	52.11220	35,000 ft	4	-
FIX	AWY-LO	-0.62333	10,668 m		
POTON	M189	52.08440	35,000 ft	7	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-0.42722	10,668 m		
ADMIS	M189	51.99690	35,000 ft	22	-
FIX	AWY-LO	0.17667	10,668 m		
CLN	M189	51.84850	35,000 ft	37	CLACTON
VOR	AWY-LO	1.14759	10,668 m		
LOGAN	L608	51.74760	34,000 ft	18	-
FIX	AWY-HI	1.61183	10,363 m		
SUMUM	L608	51.63720	29,800 ft	19	-
FIX	AWY-HI	2.10778	9,083 m		
INLOD	L608	51.58040	27,700 ft	9	-
FIX	AWY-LO	2.35893	8,443 m		
SASKI	L608	51.54810	26,500 ft	5	-
FIX	AWY-LO	2.50000	8,077 m		
KEGIT	L179	51.40700	21,300 ft	24	-
FIX	AWY-LO	3.10660	6,492 m		
EBLG	-	50.63640	0 ft	99	Liege
APT	-	5.44278	0 m		

KMEM

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

Elevation: 340 ft / 104 m
Location: 35.042700 -89.976600
Magnetic Var: 1.987 W

METAR

KMEM 060354Z 29004KT 10SM BKN070 BKN250 23/21 A2977 RMK A02 SLP075 T02330206

TAF

TAF AMD KMEM 060307Z 0603/0706 VRB04KT P6SM SCT050 BKN100 FM061500 31008KT P6SM SKC FM070200 34006KT P6SM SCT250

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

EBLG

Region: BELGIUM
Timezone: EUROPE/BRUSSELS
Runways: 2

Elevation: 645 ft / 197 m
Location: 50.636400 5.442780
Magnetic Var: 2.303 E

METAR

EBLG 060420Z 16007KT 140V240 CAVOK 09/06 Q1016 NOSIG

TAF

TAF EBLG 052311Z 0600/0706 15003KT 9999 FEW030

Frequencies

APP - 119.27 MHz - APPROACH	APP - 121.00 MHz - APPROACH
APP - 243.00 MHz - APPROACH	TWR - 129.25 MHz - TOWER
TWR - 130.62 MHz - TOWER	GND - 121.92 MHz - GROUND
REC - 126.25 MHz - INFO	CLD - 128.20 MHz - HOMER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04R	148 ft	12,068 ft	45.17	ASPHALT	761 ft	226 ft
	45 m	3,678 m	42.87		232 m	69 m
22L	148 ft	12,068 ft	225.20	ASPHALT	1,306 ft	0 ft
	45 m	3,678 m	222.89		398 m	0 m
04L	148 ft	7,664 ft	45.15	ASPHALT	0 ft	0 ft
	45 m	2,336 m	42.84		0 m	0 m
22R	148 ft	7,664 ft	225.16	ASPHALT	0 ft	0 ft
	45 m	2,336 m	222.86		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04R	LOC-ILS	IHH	108.75 MHz	18 nm	45.19	-	645 ft
				33 km	42.89		645 m
22L	LOC-ILS	ILG	109.35 MHz	18 nm	225.19	-	645 ft
				33 km	222.89		645 m
22R	LOC-ILS	IBI	109.35 MHz	18 nm	225.16	-	645 ft
				33 km	222.86		645 m
04R	GS	IHH	108.75 MHz	10 nm	45.19	3.00	645 ft
				19 km	42.89		645 m
22L	GS	ILG	109.35 MHz	10 nm	225.19	3.00	645 ft
				19 km	222.89		645 m
22R	GS	IBI	109.35 MHz	10 nm	225.16	3.00	645 ft
				19 km	222.86		645 m