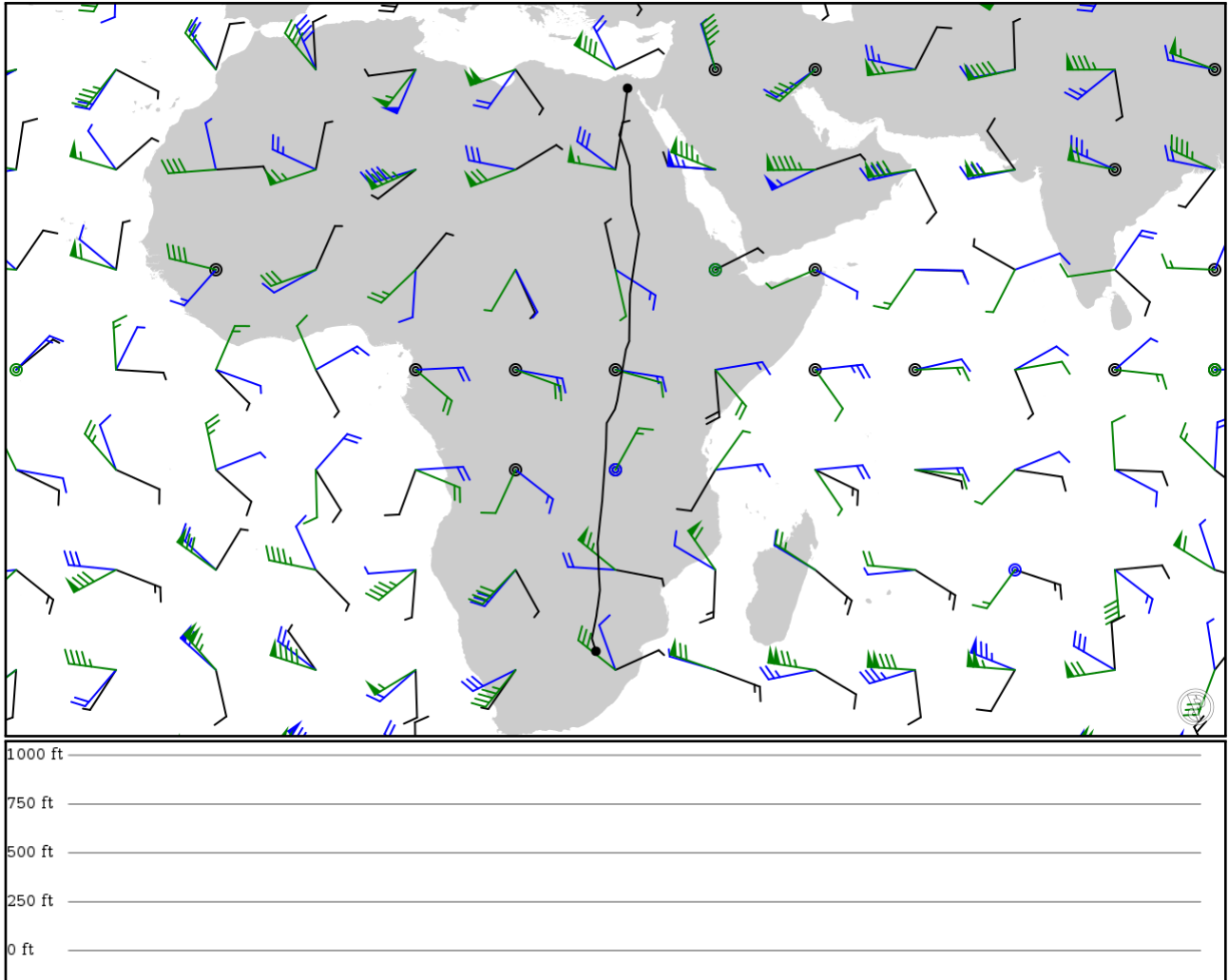


2024/05/13 0708Z

HECA LUBOS W8 KHG B12 SML SML A727 NUBAR UA727 MRW MRW UA727 KTM UB527 JUB JUB UB527 KNM UL432  
GAVDA UA408 TALAC UB527 KMI UA409 VLS UG655 TAVLA UZ27 EVIPI FAOR

3433.42 nm / 6358.69 km



## Notes

Requested: HECA LUBOS W8 KHG B12 SML SML A727 NUBAR UA727 MRW MRW UA727 KTM UB527 JUB JUB UB527 KNM UL432 GAVDA UA408 TALAC UB527 KMI UA409 VLS UG655 TAVLA UZ27 EVIPI FAOR

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
HECA	-	30.11140	0 ft	-	Cairo Intl
APT	-	31.41390	0 m		
LUBOS	-	28.70030	0 ft	85	-
FIX	-	31.21830	0 m		
GINDI	W8	28.07140	0 ft	37	-
FIX	AWY-HI	31.14780	0 m		
AST	W8	27.03120	0 ft	62	ASYUT
VOR	AWY-HI	31.03240	0 m		
GIBAD	W8	25.61000	0 ft	87	-
FIX	AWY-HI	30.63530	0 m		
KHG	W8	25.44840	0 ft	10	EL KHARGA
VOR	AWY-HI	30.59080	0 m		
SML	B12	22.35500	0 ft	194	ABU SIMBEL
VOR	AWY-HI	31.62190	0 m		
SML	-	22.35490	0 ft	0	ABU SIMBEL VOR-DME
DME	-	31.62200	0 m		
NUBAR	A727	22.00000	0 ft	21	-
FIX	AWY-LO	31.63500	0 m		
SOMAK	UA727	19.05030	0 ft	177	-
FIX	AWY-HI	31.78810	0 m		
MRW	UA727	18.44980	0 ft	36	MEROWE VOR-DME
DME	AWY-HI	31.81870	0 m		
MRW	-	18.41360	0 ft	2	MEROWE
VOR	-	31.83030	0 m		
ALPOX	UA727	17.19190	0 ft	75	-
FIX	AWY-HI	32.14190	0 m		
KTM	UA727	15.56610	0 ft	100	KHARTOUM
VOR	AWY-HI	32.55340	0 m		
SUVRI	UB527	13.91060	0 ft	100	-
FIX	AWY-HI	32.30060	0 m		
RABAK	UB527	13.01940	0 ft	54	-
FIX	AWY-HI	32.16580	0 m		
MLK	UB527	9.56317	0 ft	209	MALAKAL
VOR	AWY-HI	31.65320	0 m		
JUB	UB527	4.88866	0 ft	280	JUBA VOR-DME
DME	AWY-HI	31.58150	0 m		
JUB	-	4.87611	0 ft	1	JUBA
VOR	-	31.59970	0 m		
OVELA	UB527	4.00000	0 ft	56	-
FIX	AWY-HI	31.24830	0 m		
GOTOD	UB527	1.75000	0 ft	137	-
FIX	AWY-HI	30.86330	0 m		
ASEKA	UB527	0.69306	0 ft	64	-
FIX	AWY-HI	30.68390	0 m		
MUBAK	UB527	0.17333	0 ft	31	-
FIX	AWY-HI	30.59530	0 m		
EGREK	UB527	-1.07903	0 ft	76	-
FIX	AWY-HI	30.38320	0 m		
NESUS	UB527	-1.75816	0 ft	42	-
FIX	AWY-HI	30.20320	0 m		
IMGAD	UB527	-1.82882	0 ft	4	-
FIX	AWY-HI	30.18450	0 m		
KNM	UB527	-1.96856	0 ft	8	KIGALI

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	30.14760	0 m		
GAVDA	UL432	-2.80068	0 ft	58	-
FIX	AWY-HI	29.64920	0 m		
BJA	UA408	-3.34634	0 ft	38	BUJUMBURA
VOR	AWY-HI	29.32200	0 m		
TALAC	UA408	-3.98500	0 ft	38	-
FIX	AWY-HI	29.30000	0 m		
GUBUD	UB527	-5.12244	0 ft	68	-
FIX	AWY-HI	29.27170	0 m		
KMI	UB527	-5.86667	0 ft	44	KALEMIE
VOR	AWY-HI	29.25000	0 m		
XODKU	UA409	-6.62690	0 ft	45	-
FIX	AWY-HI	29.19510	0 m		
MELAM	UA409	-7.76500	0 ft	68	-
FIX	AWY-HI	29.11330	0 m		
XALEM	UA409	-9.10617	0 ft	80	-
FIX	AWY-HI	29.01570	0 m		
SOBTO	UA409	-10.06500	0 ft	57	-
FIX	AWY-HI	28.94560	0 m		
MA	UA409	-11.13330	0 ft	64	MANSA
NDB	AWY-HI	28.87330	0 m		
VND	UA409	-12.99830	0 ft	112	NDOLA
VOR	AWY-HI	28.66670	0 m		
VLS	UA409	-15.32670	0 ft	140	LUSAKA
VOR	AWY-HI	28.42000	0 m		
RETAR	UG655	-16.62830	0 ft	78	-
FIX	AWY-HI	28.47170	0 m		
IXEMI	UG655	-18.33140	0 ft	102	-
FIX	AWY-HI	28.54330	0 m		
EXALO	UG655	-18.63830	0 ft	18	-
FIX	AWY-HI	28.55670	0 m		
DUVLO	UG655	-18.86060	0 ft	13	-
FIX	AWY-HI	28.57060	0 m		
VBU	UG655	-20.02910	0 ft	70	J.M. NKOMO (BULAWAYO)
VOR	AWY-HI	28.64390	0 m		
DANAM	UG655	-21.65090	0 ft	98	-
FIX	AWY-HI	28.43310	0 m		
ANTOG	UG655	-22.01920	0 ft	22	-
FIX	AWY-HI	28.36780	0 m		
TAVLA	UG655	-22.62330	0 ft	36	-
FIX	AWY-HI	28.29330	0 m		
EKBAP	UZ27	-23.51690	0 ft	54	-
FIX	AWY-HI	28.11610	0 m		
EVIPI	UZ27	-24.86670	0 ft	82	-
FIX	AWY-HI	27.84840	0 m		
FAOR	-	-26.13860	0 ft	79	O. R. Tambo Intl
APT	-	28.24650	0 m		

## HECA

Region: EGYPT  
Timezone: AFRICA/CAIRO  
Runways: 3

Elevation: 466 ft / 142 m  
Location: 30.111400 31.413900  
Magnetic Var: 4.952 E

## METAR

HECA 130630Z 29006KT 260V320 9999 BKN025 20/13 Q1015 NOSIG

## TAF

TAF HECA 122300Z 1300/1406 31008KT CAVOK PROB40 TEMPO 1300/1306 4000 BR NSC

## Frequencies

REC - 122.60 MHz - ATIS  
GND - 121.90 MHz - CAIRO GROUND NORTH  
APP - 119.05 MHz - CAIRO APPROACH  
GND - 120.40 MHz - CAIRO GROUND SOUTH  
TWR - 118.10 MHz - CAIRO TOWER

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05R	197 ft	13,135 ft	49.04	ASPHALT	0 ft	217 ft
	60 m	4,004 m	44.09		0 m	66 m
23L	197 ft	13,135 ft	229.05	ASPHALT	0 ft	226 ft
	60 m	4,004 m	224.10		0 m	69 m
05C	197 ft	13,132 ft	49.04	ASPHALT	0 ft	217 ft
	60 m	4,003 m	44.09		0 m	66 m
23C	197 ft	13,132 ft	229.05	ASPHALT	0 ft	226 ft
	60 m	4,003 m	224.10		0 m	69 m
05L	197 ft	10,840 ft	49.29	ASPHALT	0 ft	184 ft
	60 m	3,304 m	44.34		0 m	56 m
23R	197 ft	10,840 ft	229.30	ASPHALT	0 ft	184 ft
	60 m	3,304 m	224.35		0 m	56 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05L	DME	CRL	110.90 MHz	18 nm	-	-	230 ft
				33 km	-		230 m
05R	DME	IROT	109.90 MHz	18 nm	-	-	430 ft
				33 km	-		430 m
23L	DME	ILOT	109.50 MHz	18 nm	-	-	420 ft
				33 km	-		420 m
23R	DME	CRR	110.30 MHz	18 nm	-	-	230 ft
				33 km	-		230 m
05L	LOC-ILS	IZFL	110.90 MHz	18 nm	49.30	-	466 ft
				33 km	44.35		466 m
05C	LOC-ILS	IZFC	109.90 MHz	18 nm	49.04	-	466 ft
				33 km	44.09		466 m
05R	LOC-ILS	IZFR	108.90 MHz	18 nm	49.05	-	466 ft
				33 km	44.10		466 m
23L	LOC-ILS	ITTL	108.70 MHz	18 nm	229.05	-	466 ft
				33 km	224.10		466 m
23C	LOC-ILS	ITTC	109.50 MHz	18 nm	229.04	-	466 ft
				33 km	224.09		466 m
23R	LOC-ILS	ITTR	110.30 MHz	18 nm	229.30	-	466 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	224.35		466 m
05L	GS	IZFL	110.90 MHz	10 nm	49.30	3.00	466 ft
				19 km	44.35		466 m
05C	GS	IZFC	109.90 MHz	10 nm	49.04	3.00	466 ft
				19 km	44.09		466 m
05R	GS	IZFR	108.90 MHz	10 nm	49.05	3.00	466 ft
				19 km	44.10		466 m
23L	GS	ITTL	108.70 MHz	10 nm	229.05	3.00	466 ft
				19 km	224.10		466 m
23C	GS	ITTC	109.50 MHz	10 nm	229.04	3.00	466 ft
				19 km	224.09		466 m
23R	GS	ITTR	110.30 MHz	10 nm	229.30	3.00	466 ft
				19 km	224.35		466 m

## FAOR

Region: SOUTH AFRICA  
Timezone: AFRICA/JOHANNESBURG  
Runways: 2

Elevation: 5,558 ft / 1,694 m  
Location: -26.138600 28.246500  
Magnetic Var: 19.463 W

## METAR

FAOR 130630Z 01010KT 9000 FEW020 14/11 Q1029 NOSIG

## TAF

TAF FAOR 130600Z 1306/1412 01008KT CAVOK TX22/1313Z TN11/1403Z FM130930 35008KT 9999 SCT030 BECMG 1311/1313 VRB03

## Frequencies

REC - 126.20 MHz - D-ATIS	GND - 121.90 MHz - O R TAMBO GROUND
GND - 122.65 MHz - O R TAMBO APRON	TWR - 118.10 MHz - JOHANNESBURG TOWER
TWR - 118.60 MHz - JOHANNESBURG TOWER	CLD - 121.70 MHz - CLEARANCE DELIVERY
APP - 123.70 MHz - JOHANNESBURG RADAR	APP - 124.50 MHz - JOHANNESBURG RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03L	197 ft	14,523 ft	15.53	ASPHALT	0 ft	305 ft
	60 m	4,427 m	34.99		0 m	93 m
21R	197 ft	14,523 ft	195.53	ASPHALT	1,427 ft	226 ft
	60 m	4,427 m	214.99		435 m	69 m
03R	197 ft	11,206 ft	15.53	ASPHALT	0 ft	197 ft
	60 m	3,416 m	35.00		0 m	60 m
21L	197 ft	11,206 ft	195.53	ASPHALT	0 ft	190 ft
	60 m	3,416 m	214.99		0 m	58 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03L	LOC-ILS	JSI	110.30 MHz	18 nm	15.53	-	5,558 ft
				33 km	34.99		5,558 m
03R	LOC-ILS	JNI	109.10 MHz	18 nm	15.53	-	5,558 ft
				33 km	34.99		5,558 m
21L	LOC-ILS	JAI	109.90 MHz	18 nm	195.53	-	5,558 ft
				33 km	214.99		5,558 m
21R	LOC-ILS	JBI	109.90 MHz	18 nm	195.53	-	5,558 ft
				33 km	214.99		5,558 m
03L	GS	JSI	110.30 MHz	10 nm	15.53	3.00	5,558 ft
				19 km	34.99		5,558 m
03R	GS	JNI	109.10 MHz	10 nm	15.53	3.00	5,558 ft
				19 km	34.99		5,558 m
21L	GS	JAI	109.90 MHz	10 nm	195.53	3.00	5,558 ft
				19 km	214.99		5,558 m
21R	GS	JBI	109.90 MHz	10 nm	195.53	3.00	5,558 ft
				19 km	214.99		5,558 m