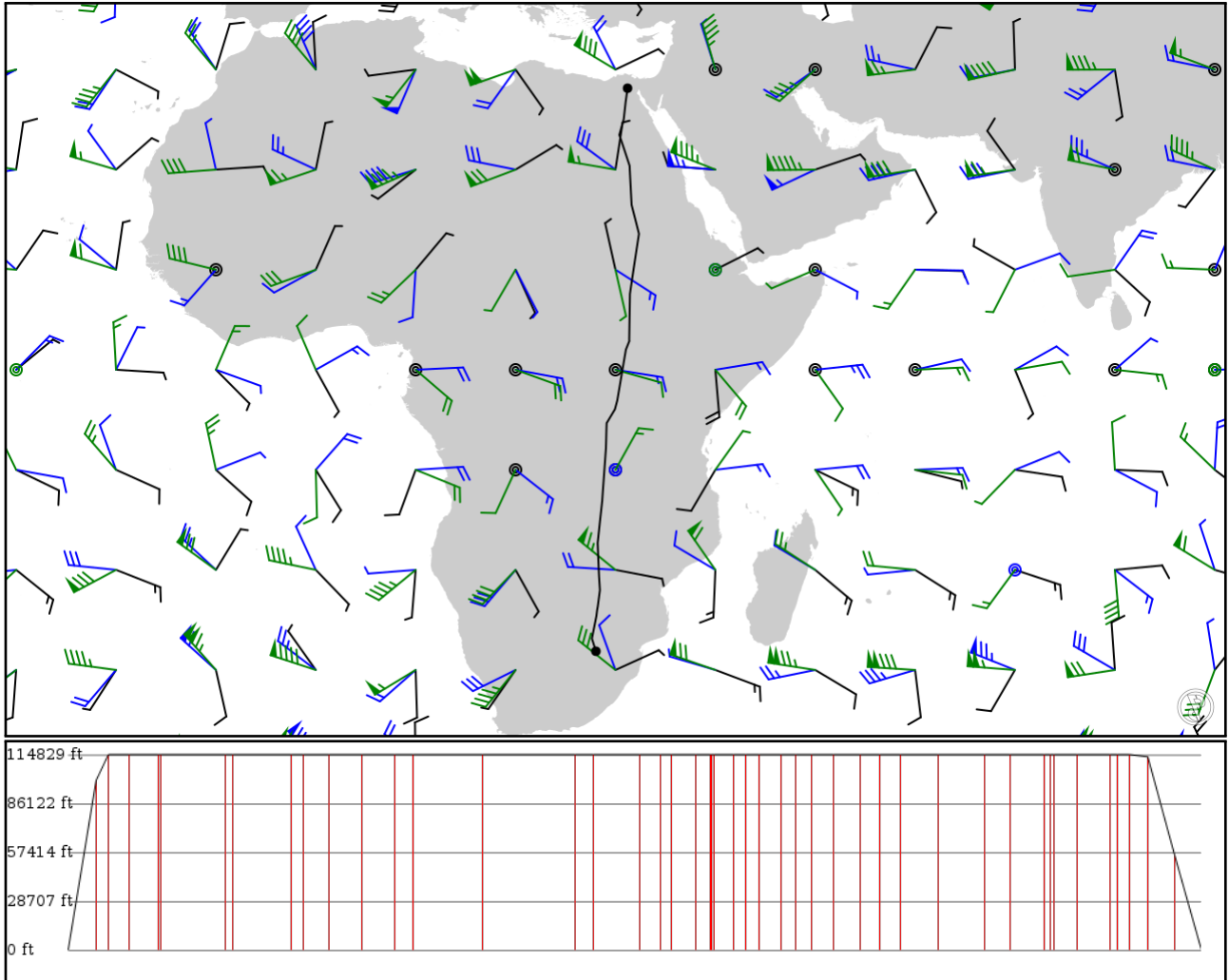


2024/05/10 1247Z

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

3433.42 nm / 6358.69 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
HECA	-	30.11140	0 ft	-	Cairo Intl
APT	-	31.41390	0 m		
LUBOS	-	28.70030	30,400 ft	85	-
FIX	-	31.21830	9,266 m		
GINDI	W8	28.07140	35,000 ft	37	-
FIX	AWY-HI	31.14780	10,668 m		
AST	W8	27.03120	35,000 ft	62	ASYUT
VOR	AWY-HI	31.03240	10,668 m		
GIBAD	W8	25.61000	35,000 ft	87	-
FIX	AWY-HI	30.63530	10,668 m		
KHG	W8	25.44840	35,000 ft	10	EL KHARGA
VOR	AWY-HI	30.59080	10,668 m		
SML	B12	22.35500	35,000 ft	194	ABU SIMBEL
VOR	AWY-HI	31.62190	10,668 m		
SML	-	22.35490	35,000 ft	0	ABU SIMBEL VOR-DME
DME	-	31.62200	10,668 m		
NUBAR	A727	22.00000	35,000 ft	21	-
FIX	AWY-LO	31.63500	10,668 m		
SOMAK	UA727	19.05030	35,000 ft	177	-
FIX	AWY-HI	31.78810	10,668 m		
MRW	UA727	18.44980	35,000 ft	36	MEROWE VOR-DME
DME	AWY-HI	31.81870	10,668 m		
MRW	-	18.41360	35,000 ft	2	MEROWE
VOR	-	31.83030	10,668 m		
ALPOX	UA727	17.19190	35,000 ft	75	-
FIX	AWY-HI	32.14190	10,668 m		
KTM	UA727	15.56610	35,000 ft	100	KHARTOUM
VOR	AWY-HI	32.55340	10,668 m		
SUVRI	UB527	13.91060	35,000 ft	100	-
FIX	AWY-HI	32.30060	10,668 m		
RABAK	UB527	13.01940	35,000 ft	54	-
FIX	AWY-HI	32.16580	10,668 m		
MLK	UB527	9.56317	35,000 ft	209	MALAKAL
VOR	AWY-HI	31.65320	10,668 m		
JUB	UB527	4.88866	35,000 ft	280	JUBA VOR-DME
DME	AWY-HI	31.58150	10,668 m		
JUB	-	4.87611	35,000 ft	1	JUBA
VOR	-	31.59970	10,668 m		
OVELA	UB527	4.00000	35,000 ft	56	-
FIX	AWY-HI	31.24830	10,668 m		
GOTOD	UB527	1.75000	35,000 ft	137	-
FIX	AWY-HI	30.86330	10,668 m		
ASEKA	UB527	0.69306	35,000 ft	64	-
FIX	AWY-HI	30.68390	10,668 m		
MUBAK	UB527	0.17333	35,000 ft	31	-
FIX	AWY-HI	30.59530	10,668 m		
EGREK	UB527	-1.07903	35,000 ft	76	-
FIX	AWY-HI	30.38320	10,668 m		
NESUS	UB527	-1.75816	35,000 ft	42	-
FIX	AWY-HI	30.20320	10,668 m		
IMGAD	UB527	-1.82882	35,000 ft	4	-
FIX	AWY-HI	30.18450	10,668 m		
KNM	UB527	-1.96856	35,000 ft	8	KIGALI

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	30.14760	10,668 m		
GAVDA	UL432	-2.80068	35,000 ft	58	-
FIX	AWY-HI	29.64920	10,668 m		
BJA	UA408	-3.34634	35,000 ft	38	BUJUMBURA
VOR	AWY-HI	29.32200	10,668 m		
TALAC	UA408	-3.98500	35,000 ft	38	-
FIX	AWY-HI	29.30000	10,668 m		
GUBUD	UB527	-5.12244	35,000 ft	68	-
FIX	AWY-HI	29.27170	10,668 m		
KMI	UB527	-5.86667	35,000 ft	44	KALEMIE
VOR	AWY-HI	29.25000	10,668 m		
XODKU	UA409	-6.62690	35,000 ft	45	-
FIX	AWY-HI	29.19510	10,668 m		
MELAM	UA409	-7.76500	35,000 ft	68	-
FIX	AWY-HI	29.11330	10,668 m		
XALEM	UA409	-9.10617	35,000 ft	80	-
FIX	AWY-HI	29.01570	10,668 m		
SOBTO	UA409	-10.06500	35,000 ft	57	-
FIX	AWY-HI	28.94560	10,668 m		
MA	UA409	-11.13330	35,000 ft	64	MANSA
NDB	AWY-HI	28.87330	10,668 m		
VND	UA409	-12.99830	35,000 ft	112	NDOLA
VOR	AWY-HI	28.66670	10,668 m		
VLS	UA409	-15.32670	35,000 ft	140	LUSAKA
VOR	AWY-HI	28.42000	10,668 m		
RETAR	UG655	-16.62830	35,000 ft	78	-
FIX	AWY-HI	28.47170	10,668 m		
IXEMI	UG655	-18.33140	35,000 ft	102	-
FIX	AWY-HI	28.54330	10,668 m		
EXALO	UG655	-18.63830	35,000 ft	18	-
FIX	AWY-HI	28.55670	10,668 m		
DUVLO	UG655	-18.86060	35,000 ft	13	-
FIX	AWY-HI	28.57060	10,668 m		
VBU	UG655	-20.02910	35,000 ft	70	J.M. NKOMO (BULAWAYO)
VOR	AWY-HI	28.64390	10,668 m		
DANAM	UG655	-21.65090	35,000 ft	98	-
FIX	AWY-HI	28.43310	10,668 m		
ANTOG	UG655	-22.01920	35,000 ft	22	-
FIX	AWY-HI	28.36780	10,668 m		
TAVLA	UG655	-22.62330	35,000 ft	36	-
FIX	AWY-HI	28.29330	10,668 m		
EKBAP	UZ27	-23.51690	34,600 ft	54	-
FIX	AWY-HI	28.11610	10,546 m		
EVIPI	UZ27	-24.86670	17,000 ft	82	-
FIX	AWY-HI	27.84840	5,182 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: 4.951 E

METAR

HECA 101200Z 30009KT 6000 NSC 32/06 Q1007

TAF

TAF HECA 101100Z 1012/1118 30010KT 9999 SCT025

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				
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: 19.462 W

METAR

FAOR 101230Z 30007KT 250V340 CAVOK 24/01 Q1023 NOSIG

TAF

TAF FAOR 101000Z 1012/1118 31008KT CAVOK TX26/1113Z TN13/1104Z BECMG 1021/1023 VRB03KT BECMG 1102/1104 19008KT BE

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