FMMI

IVATO

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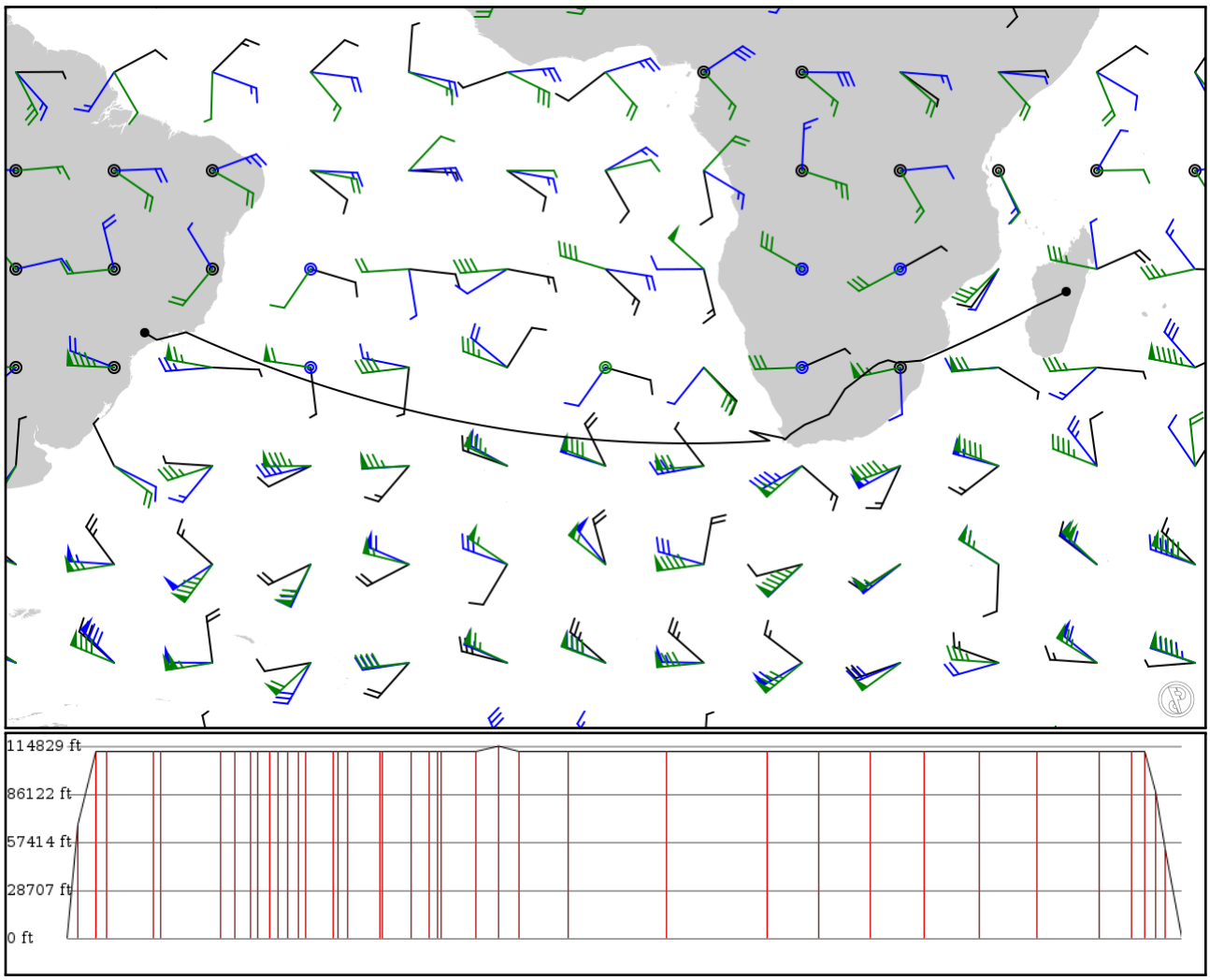
SBKP

Sao Paulo Viracopos

2024/03/29 0614Z

FMMI SOPVI **UB536** VMA **UG653** WIV **UG465** GAV **UA405** OKDOG **UQ15** APKIN **UL224** MRC **UW50** USABA **G678** TRIGO SBKP

5618.68 nm / 10405.80 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

Route

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
FMMI	–	-18.79695	0 ft	–	IVATO
APT	–	47.47881	0 m		
SOPVI	–	-19.25028	20,700 ft	58	–
FIX	–	46.57361	6,309 m		
IXAGU	UB536	-19.91139	34,000 ft	90	–
FIX	AWY-HI	45.14611	10,363 m		
VSO	UB536	-20.28764	34,000 ft	51	MORONDAVA NDB
NDB	AWY-HI	44.31719	10,363 m		
EDAMA	UB536	-22.18694	34,000 ft	235	–
FIX	AWY-HI	40.62722	10,363 m		
EROPA	UB536	-22.49667	34,000 ft	39	–
FIX	AWY-HI	40.00000	10,363 m		
BOTAM	UB536	-24.79065	34,000 ft	302	–
FIX	AWY-HI	35.09842	10,363 m		
USUMO	UB536	-25.28500	34,000 ft	68	–
FIX	AWY-HI	33.97333	10,363 m		
VMA	UB536	-25.86891	34,000 ft	82	MAPUTO VOR-DME
VOR	AWY-HI	32.60501	10,363 m		
ORNAD	UG653	-25.91667	34,000 ft	34	–
FIX	AWY-HI	31.96667	10,363 m		
GIDEL	UG653	-26.02833	34,000 ft	63	–
FIX	AWY-HI	30.78861	10,363 m		
CL	UG653	-26.09194	34,000 ft	37	CAROLINA NDB
NDB	AWY-HI	30.09639	10,363 m		
WIV	UG653	-25.82956	34,000 ft	51	WITBANK VOR
VOR	AWY-HI	29.19484	10,363 m		
JSV	UG465	-26.15712	34,000 ft	55	JOHANNESBURG VOR-DME
VOR	AWY-HI	28.23103	10,363 m		
GAV	UG465	-26.51484	34,000 ft	36	GRASMERE VOR
VOR	AWY-HI	27.67648	10,363 m		
EKBEX	UA405	-28.01086	34,000 ft	134	–
FIX	AWY-HI	25.78999	10,363 m		
APDUR	UA405	-28.32212	34,000 ft	28	–
FIX	AWY-HI	25.38689	10,363 m		
KYV	UA405	-28.79995	34,000 ft	43	KIMBERLEY VOR-DME
VOR	AWY-HI	24.76037	10,363 m		
EGRUP	UA405	-31.16832	34,000 ft	162	–
FIX	AWY-HI	23.26105	10,363 m		
VWV	UA405	-31.39694	34,000 ft	15	VICTORIA WEST VOR
VOR	AWY-HI	23.10889	10,363 m		
SLV	UA405	-32.45011	34,000 ft	141	SUTHERLAND VOR
VOR	AWY-HI	20.62236	10,363 m		
WY	UA405	-33.41392	34,000 ft	92	WOLSELEY NDB
NDB	AWY-HI	19.18690	10,363 m		
CTV	UA405	-33.96953	34,000 ft	44	CAPE TOWN VORTAC
VOR	AWY-HI	18.60503	10,363 m		
RIV	UA405	-33.79957	34,000 ft	15	ROBBEN ISLAND VOR-DME
VOR	AWY-HI	18.36447	10,363 m		
OKDOG	UA405	-33.08333	34,000 ft	174	–
FIX	AWY-HI	15.00000	10,363 m		
APKIN	UQ15	-34.08351	35,000 ft	117	–
FIX	AWY-HI	17.01648	10,668 m		
ITMEK	UL224	-34.20000	34,000 ft	100	–

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	15.00000	10,363 m		
ETULA	UL224	-34.35000	34,000 ft	248	-
FIX	AWY-HI	10.00000	10,363 m		
GERAM	UL224	-34.05000	34,000 ft	496	-
FIX	AWY-HI	0.00000	10,363 m		
ITGIV	UL224	-32.93333	34,000 ft	505	-
FIX	AWY-HI	-10.00000	10,363 m		
KIMOK	UL224	-32.05000	34,000 ft	258	-
FIX	AWY-HI	-15.00000	10,363 m		
OPERA	UL224	-30.94783	34,000 ft	264	-
FIX	AWY-HI	-20.00000	10,363 m		
UDOGA	UL224	-29.62133	34,000 ft	271	-
FIX	AWY-HI	-25.00000	10,363 m		
KABUK	UL224	-28.06533	34,000 ft	279	-
FIX	AWY-HI	-30.00000	10,363 m		
GAVUG	UL224	-26.27500	34,000 ft	287	-
FIX	AWY-HI	-35.00000	10,363 m		
CIDER	UL224	-24.13050	34,000 ft	314	-
FIX	AWY-HI	-40.27317	10,363 m		
MRC	UL224	-22.96769	34,000 ft	160	MARICA VOR-DME
VOR	AWY-HI	-42.89131	10,363 m		
BOTOM	UW50	-23.27833	34,000 ft	67	-
FIX	AWY-HI	-44.06867	10,363 m		
USABA	UW50	-23.52967	26,700 ft	56	-
FIX	AWY-HI	-45.05083	8,138 m		
TRIGO	G678	-23.74133	16,300 ft	48	-
FIX	AWY-LO	-45.90067	4,968 m		
SBKP	-	-23.00738	0 ft	81	Sao Paulo Viracopos
APT	-	-47.13452	0 m		

FMMI

Region: COMOROS, MAYOTTE, RÉUNION AND MADAGASCAR
Elevation: 4,198 ft / 1,280 m
Timezone: INDIAN/ANTANANARIVO
Location: -18.796900 47.478800
Runways: 1
Magnetic Var: 15.330 W

METAR

FMMI 290600Z 14004KT 050V210 9999 SCT020 22/17 Q1019 NOSIG

TAF

TAF FMMI 290500Z 2906/3012 14008KT 9999 FEW017 BKN020 BECMG 2909/2911 BKN020CB PROB40 TEMPO 2912/2920 4000 TSRA BE

Frequencies

TWR - 120.10 MHz - IVATO TOWER
APP - 125.70 MHz - ANTANANARIVO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
11	148 ft 45 m	10,157 ft 3,096 m	98.96 114.29	ASPHALT	0 ft 0 m	194 ft 59 m
29	148 ft 45 m	10,157 ft 3,096 m	278.95 294.28	ASPHALT	0 ft 0 m	200 ft 61 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
11	LOC-ILS	IO	109.50 MHz	18 nm 33 km	98.89 114.22	-	4,125 ft 4,125 m
11	GS	IO	109.50 MHz	10 nm 19 km	99.82 115.15	3.00	4,198 ft 4,198 m

SBKP

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 1

Elevation: 2,169 ft / 661 m
Location: -23.007400 -47.134500
Magnetic Var: 21.995 W

METAR

SBKP 290600Z 13002KT 9999 BKN036 20/19 Q1019

TAF

TAF SBKP 290430Z 2906/3006 13006KT 9999 SCT010 TN19/2909Z TX26/2918Z BECMG 2910/2912 SCT005 BKN016 BECMG 2917/291

Frequencies

REC - 127.82 MHz - ATIS
GND - 121.90 MHz - CAMPINAS GROUND
APP - 119.25 MHz - SAO PAULO APPROACH
APP - 132.10 MHz - SAO PAULO APPROACH
APP - 135.75 MHz - SAO PAULO APPROACH
APP - 119.80 MHz - SAO PAULO APPROACH
APP - 119.60 MHz - SAO PAULO APPROACH

COM - 122.80 MHz - CAMPINAS UNICOM
TWR - 118.25 MHz - CAMPINAS TOWER
APP - 121.40 MHz - SAO PAULO APPROACH
APP - 120.25 MHz - SAO PAULO APPROACH
APP - 120.05 MHz - SAO PAULO APPROACH
APP - 129.00 MHz - SAO PAULO APPROACH
APP - 134.65 MHz - SAO PAULO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	148 ft 45 m	10,666 ft 3,251 m	127.87 149.87	ASPHALT	0 ft 0 m	171 ft 52 m
33	148 ft 45 m	10,666 ft 3,251 m	307.86 329.86	ASPHALT	315 ft 96 m	177 ft 54 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15	LOC-ILS	IKP	110.30 MHz	18 nm 33 km	127.87 149.87	-	2,170 ft 2,170 m
15	GS	IJV	110.30 MHz	10 nm 19 km	127.87 149.87	3.00	2,170 ft 2,170 m