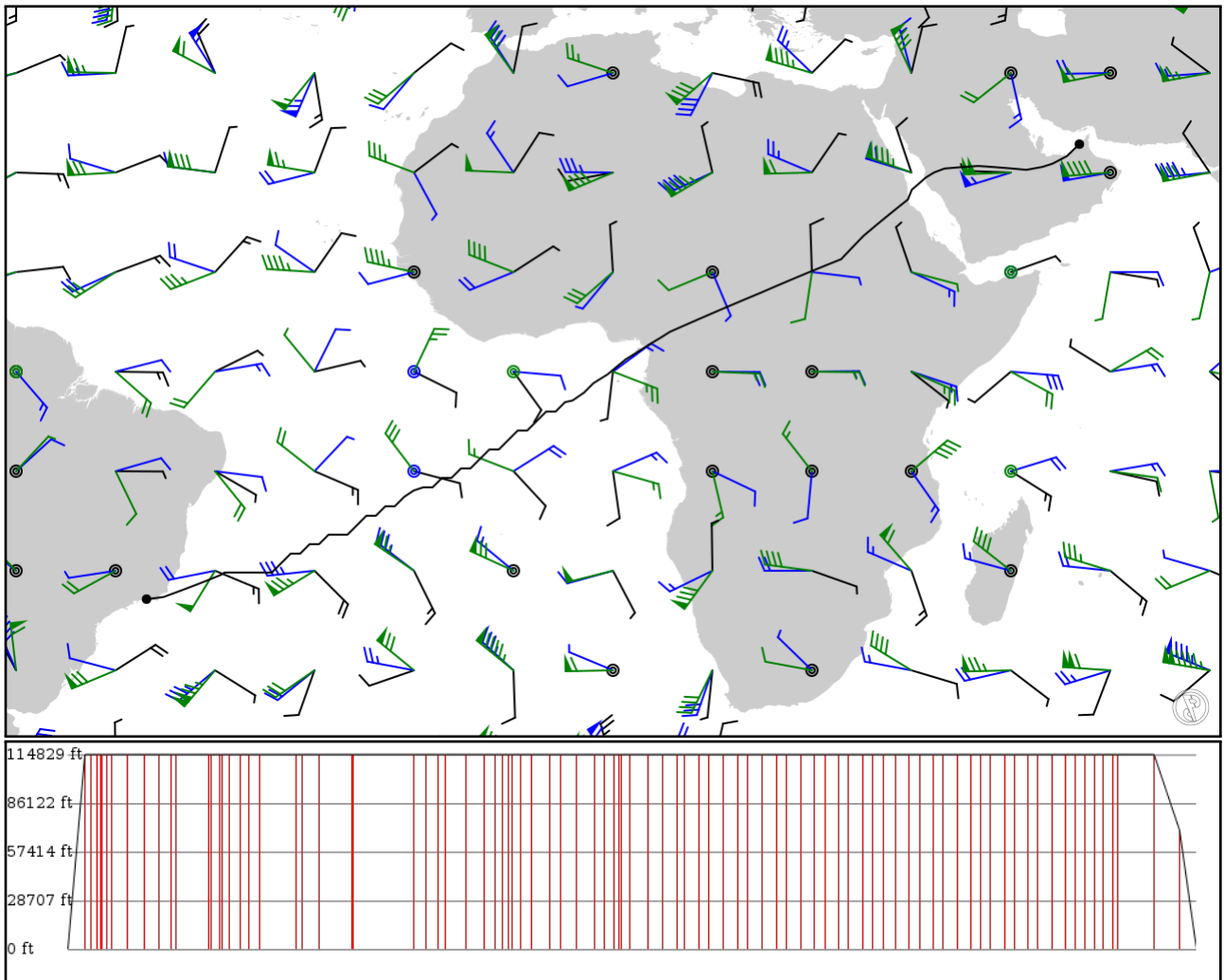


2024/05/02 2036Z

OMDB BOPIT M318 GOLGU UM550 RIBOT M550 MEVDO Y511 ASMIS T218 ALPUT VUTEX M309 VEMEM G782 KAPAV  
JDW B407 KAROX UB407 PSD UG660 KTM UQ584 OBD OBD UQ584 GAPAK 000N0400E -100S0300E GAPOX  
-200S0100E -300S0000E -300S0-100W -400S0-200W -500S0-300W -500S0-400W -600S0-500W -700S0-600W  
-700S0-700W -800S0-800W -900S0-900W -900S0-1000W -1000S0-1100W -1000S0-1200W -1100S0-1300W  
-1100S0-1400W LOKIM -1200S0-1600W -1300S0-1700W -1300S0-1800W -1400S0-1900W -1400S0-2000W  
-1500S0-2100W -1600S0-2200W -1600S0-2300W -1600S0-2400W -1700S0-2500W -1700S0-2600W -1800S0-2700W  
-1800S0-2800W -1900S0-2900W -2000S0-3000W -2000S0-3100W -2000S0-3200W -2000S0-3300W -2000S0-3400W  
-2000S0-3500W MUKEK UZ45 RODIX SBGL

6715.33 nm / 12436.80 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

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: no
- Use high airways: yes

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
OMDB	-	25.25110	0 ft	-	Dubai Intl
APT	-	55.37110	0 m		
BOPIT	-	23.99640	35,000 ft	103	-
FIX	-	54.06780	10,668 m		
DANOK	M318	23.70560	35,000 ft	34	-
FIX	AWY-HI	53.51970	10,668 m		
ESROM	M318	23.40670	35,000 ft	35	-
FIX	AWY-HI	52.95810	10,668 m		
GOLGU	M318	23.18080	35,000 ft	27	-
FIX	AWY-HI	52.51920	10,668 m		
RIBOT	UM550	23.14560	35,000 ft	6	-
FIX	AWY-HI	52.40780	10,668 m		
BOPEK	M550	23.01640	35,000 ft	23	-
FIX	AWY-HI	52.00190	10,668 m		
MIGMA	M550	22.84310	35,000 ft	31	-
FIX	AWY-HI	51.46360	10,668 m		
MEVDO	M550	22.53470	35,000 ft	95	-
FIX	AWY-HI	49.77110	10,668 m		
BOSOB	Y511	22.69170	35,000 ft	96	-
FIX	AWY-HI	48.03830	10,668 m		
KITUB	Y511	22.82280	35,000 ft	91	-
FIX	AWY-HI	46.39500	10,668 m		
DANOM	Y511	22.91500	35,000 ft	72	-
FIX	AWY-HI	45.08580	10,668 m		
ASMIS	Y511	22.94190	35,000 ft	23	-
FIX	AWY-HI	44.67060	10,668 m		
ALPUT	T218	22.67190	35,000 ft	197	-
FIX	AWY-HI	41.11810	10,668 m		
VUTEX	-	22.57170	35,000 ft	16	-
FIX	-	40.84560	10,668 m		
VEMEM	M309	22.26490	35,000 ft	49	-
FIX	AWY-HI	40.02180	10,668 m		
KAPAV	G782	22.11240	35,000 ft	16	-
FIX	AWY-HI	39.77230	10,668 m		
JDW	-	21.71230	35,000 ft	43	KING ABDULAZIZ (JEDDAH)
VOR	-	39.12310	10,668 m		
DENBU	B407	21.02470	35,000 ft	60	-
FIX	AWY-HI	38.34190	10,668 m		
KAROX	B407	20.95470	35,000 ft	6	-
FIX	AWY-HI	38.26310	10,668 m		
MAHDI	UB407	20.43330	35,000 ft	46	-
FIX	AWY-HI	37.65500	10,668 m		
PSD	UB407	19.40120	35,000 ft	66	PORT SUDAN
VOR	AWY-HI	37.24170	10,668 m		
IMTAR	UG660	17.10250	35,000 ft	213	-
FIX	AWY-HI	34.39200	10,668 m		
BOPID	UG660	16.66310	35,000 ft	40	-
FIX	AWY-HI	33.86110	10,668 m		
KTM	UG660	15.56610	35,000 ft	100	KHARTOUM
VOR	AWY-HI	32.55340	10,668 m		
OBD	UQ584	13.14770	35,000 ft	198	EL OBEID VOR-DME
DME	AWY-HI	30.23340	10,668 m		
OBD	-	13.11130	35,000 ft	2	EL OBEID

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	-	30.22650	10,668 m		
ASTAX	UQ584	10.78160	35,000 ft	361	-
FIX	AWY-HI	24.54740	10,668 m		
KISAL	UQ584	10.30310	35,000 ft	72	-
FIX	AWY-HI	23.42400	10,668 m		
KEKAV	UQ584	9.79500	35,000 ft	76	-
FIX	AWY-HI	22.24470	10,668 m		
KITRA	UQ584	9.53583	35,000 ft	38	-
FIX	AWY-HI	21.64830	10,668 m		
XUPAM	UQ584	8.72977	35,000 ft	124	-
FIX	AWY-HI	19.71640	10,668 m		
NASED	UQ584	8.00000	35,000 ft	111	-
FIX	AWY-HI	17.99440	10,668 m		
INEKU	UQ584	7.61289	35,000 ft	58	-
FIX	AWY-HI	17.08980	10,668 m		
ENERO	UQ584	7.29761	35,000 ft	47	-
FIX	AWY-HI	16.35780	10,668 m		
APTOS	UQ584	7.04000	35,000 ft	38	-
FIX	AWY-HI	15.76280	10,668 m		
DIPKO	UQ584	6.93972	35,000 ft	15	-
FIX	AWY-HI	15.53170	10,668 m		
ONOGO	UQ584	6.55851	35,000 ft	57	-
FIX	AWY-HI	14.65630	10,668 m		
INEVA	UQ584	6.15028	35,000 ft	60	-
FIX	AWY-HI	13.72470	10,668 m		
KEMOX	UQ584	5.43139	35,000 ft	106	-
FIX	AWY-HI	12.09580	10,668 m		
EPASI	UQ584	4.80656	35,000 ft	70	-
FIX	AWY-HI	11.10390	10,668 m		
DLA	UQ584	3.99392	35,000 ft	94	DOUALA
VOR	AWY-HI	9.74347	10,668 m		
GEBRO	UQ584	3.04472	35,000 ft	105	-
FIX	AWY-HI	8.26944	10,668 m		
MURIM	UQ584	2.52694	35,000 ft	59	-
FIX	AWY-HI	7.41972	10,668 m		
MOKOB	UQ584	1.94167	35,000 ft	55	-
FIX	AWY-HI	6.71111	10,668 m		
SIRPA	UQ584	1.60833	35,000 ft	31	-
FIX	AWY-HI	6.30806	10,668 m		
NARPI	UQ584	1.46778	35,000 ft	13	-
FIX	AWY-HI	6.13833	10,668 m		
GAPAK	UQ584	0.94056	35,000 ft	49	-
FIX	AWY-HI	5.50889	10,668 m		
000N0400E	-	0.00000	35,000 ft	106	-
LATLON	-	4.00000	10,668 m		
-100S0300E	-	-1.00000	35,000 ft	84	-
LATLON	-	3.00000	10,668 m		
GAPOX	-	-1.82925	35,000 ft	88	-
FIX	-	1.78731	10,668 m		
-200S0100E	-	-2.00000	35,000 ft	48	-
LATLON	-	1.00000	10,668 m		
-300S0000E	-	-3.00000	35,000 ft	84	-
LATLON	-	0.00000	10,668 m		
-300S0-100W	-	-3.00000	35,000 ft	59	-
LATLON	-	-1.00000	10,668 m		
-400S0-200W	-	-4.00000	35,000 ft	84	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-2.00000	10,668 m		
-500S0-300W	-	-5.00000	35,000 ft	84	-
LATLON	-	-3.00000	10,668 m		
-500S0-400W	-	-5.00000	35,000 ft	59	-
LATLON	-	-4.00000	10,668 m		
-600S0-500W	-	-6.00000	35,000 ft	84	-
LATLON	-	-5.00000	10,668 m		
-700S0-600W	-	-7.00000	35,000 ft	84	-
LATLON	-	-6.00000	10,668 m		
-700S0-700W	-	-7.00000	35,000 ft	59	-
LATLON	-	-7.00000	10,668 m		
-800S0-800W	-	-8.00000	35,000 ft	84	-
LATLON	-	-8.00000	10,668 m		
-900S0-900W	-	-9.00000	35,000 ft	84	-
LATLON	-	-9.00000	10,668 m		
-900S0-1000W	-	-9.00000	35,000 ft	59	-
LATLON	-	-10.00000	10,668 m		
-1000S0-1100W	-	-10.00000	35,000 ft	84	-
LATLON	-	-11.00000	10,668 m		
-1000S0-1200W	-	-10.00000	35,000 ft	59	-
LATLON	-	-12.00000	10,668 m		
-1100S0-1300W	-	-11.00000	35,000 ft	84	-
LATLON	-	-13.00000	10,668 m		
-1100S0-1400W	-	-11.00000	35,000 ft	58	-
LATLON	-	-14.00000	10,668 m		
LOKIM	-	-11.33330	35,000 ft	62	-
FIX	-	-15.00000	10,668 m		
-1200S0-1600W	-	-12.00000	35,000 ft	71	-
LATLON	-	-16.00000	10,668 m		
-1300S0-1700W	-	-13.00000	35,000 ft	83	-
LATLON	-	-17.00000	10,668 m		
-1300S0-1800W	-	-13.00000	35,000 ft	58	-
LATLON	-	-18.00000	10,668 m		
-1400S0-1900W	-	-14.00000	35,000 ft	83	-
LATLON	-	-19.00000	10,668 m		
-1400S0-2000W	-	-14.00000	35,000 ft	58	-
LATLON	-	-20.00000	10,668 m		
-1500S0-2100W	-	-15.00000	35,000 ft	83	-
LATLON	-	-21.00000	10,668 m		
-1600S0-2200W	-	-16.00000	35,000 ft	83	-
LATLON	-	-22.00000	10,668 m		
-1600S0-2300W	-	-16.00000	35,000 ft	57	-
LATLON	-	-23.00000	10,668 m		
-1600S0-2400W	-	-16.00000	35,000 ft	57	-
LATLON	-	-24.00000	10,668 m		
-1700S0-2500W	-	-17.00000	35,000 ft	83	-
LATLON	-	-25.00000	10,668 m		
-1700S0-2600W	-	-17.00000	35,000 ft	57	-
LATLON	-	-26.00000	10,668 m		
-1800S0-2700W	-	-18.00000	35,000 ft	82	-
LATLON	-	-27.00000	10,668 m		
-1800S0-2800W	-	-18.00000	35,000 ft	57	-
LATLON	-	-28.00000	10,668 m		
-1900S0-2900W	-	-19.00000	35,000 ft	82	-
LATLON	-	-29.00000	10,668 m		
-2000S0-3000W	-	-20.00000	35,000 ft	82	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-30.00000	10,668 m		
-2000S0-3100W	-	-20.00000	35,000 ft	56	-
LATLON	-	-31.00000	10,668 m		
-2000S0-3200W	-	-20.00000	35,000 ft	56	-
LATLON	-	-32.00000	10,668 m		
-2000S0-3300W	-	-20.00000	35,000 ft	56	-
LATLON	-	-33.00000	10,668 m		
-2000S0-3400W	-	-20.00000	35,000 ft	56	-
LATLON	-	-34.00000	10,668 m		
-2000S0-3500W	-	-20.00000	35,000 ft	56	-
LATLON	-	-35.00000	10,668 m		
MUKEK	-	-20.26330	35,000 ft	28	-
FIX	-	-35.41800	10,668 m		
REDUP	UZ45	-21.64830	35,000 ft	213	-
FIX	AWY-HI	-38.92870	10,668 m		
RODIX	UZ45	-22.58250	21,400 ft	151	-
FIX	AWY-HI	-41.45120	6,523 m		
SBGL	-	-22.80890	0 ft	100	Rio de Janeiro-Galeao Intl
APT	-	-43.24380	0 m		

## OMDB

Region: UNITED ARAB EMIRATES  
Timezone: ASIA/DUBAI  
Runways: 2

Elevation: 62 ft / 19 m  
Location: 25.251100 55.371100  
Magnetic Var: 2.351 E

## METAR

OMDB 022000Z 20003KT 9999 SCT035 27/21 Q1008 NOSIG

## TAF

TAF OMDB 021700Z 0218/0400 20008KT 9999 FEW035 BECMG 0306/0308 29014KT BECMG 0316/0318 16005KT

## Frequencies

REC - 126.27 MHz - ATIS ARRIVAL	REC - 131.70 MHz - ATIS DEPARTURE
TWR - 126.77 MHz - DUBAI TOWER	TWR - 119.55 MHz - DUBAI TOWER
TWR - 118.75 MHz - DUBAI TOWER	TWR - 119.05 MHz - DUBAI TOWER
GND - 118.35 MHz - DUBAI GROUND	GND - 118.85 MHz - DUBAI GROUND
GND - 121.65 MHz - DUBAI GROUND	CLD - 120.35 MHz - CLEARANCE DELIVERY
APP - 122.50 MHz - MINHAD APPROACH	APP - 126.02 MHz - MINHAD APPROACH
APP - 120.25 MHz - DUBAI ARRIVAL	APP - 124.45 MHz - DUBAI ARRIVAL
APP - 124.90 MHz - DUBAI ARRIVAL	DEP - 126.02 MHz - DUBAI DEPARTURE
DEP - 121.02 MHz - DUBAI DEPARTURE	DEP - 126.20 MHz - DUBAI DEPARTURE
DEP - 120.25 MHz - DUBAI DEPARTURE	APP - 120.40 MHz - DUBAI RADAR
APP - 126.02 MHz - DUBAI RADAR	APP - 127.90 MHz - DUBAI DIRECT

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12R	200 ft	14,604 ft	121.53	ASPHALT	2,352 ft	771 ft
	61 m	4,452 m	119.18		717 m	235 m
30L	200 ft	14,604 ft	301.54	ASPHALT	436 ft	0 ft
	61 m	4,452 m	299.19		133 m	0 m
12L	200 ft	14,289 ft	121.48	ASPHALT	1,496 ft	381 ft
	61 m	4,355 m	119.13		456 m	116 m
30R	200 ft	14,289 ft	301.50	ASPHALT	991 ft	377 ft
	61 m	4,355 m	299.15		302 m	115 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12L	DME	IDBL	110.10 MHz	18 nm	-	-	62 ft
				33 km	-		62 m
30L	DME	IDBW	111.30 MHz	18 nm	-	-	41 ft
				33 km	-		41 m
30R	DME	IDBR	110.90 MHz	18 nm	-	-	44 ft
				33 km	-		44 m
12L	LOC-ILS	IDBL	110.10 MHz	18 nm	121.49	-	62 ft
				33 km	119.14		62 m
12R	LOC-ILS	IDBE	109.50 MHz	18 nm	121.54	-	62 ft
				33 km	119.19		62 m
30L	LOC-ILS	IDBW	111.30 MHz	18 nm	301.54	-	62 ft
				33 km	299.19		62 m
30R	LOC-ILS	IDBR	110.90 MHz	18 nm	301.49	-	62 ft
				33 km	299.14		62 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12L	GS	IDBL	110.10 MHz	10 nm	121.49	3.00	62 ft
				19 km	119.14		62 m
12R	GS	IDBE	109.50 MHz	10 nm	121.54	3.00	62 ft
				19 km	119.19		62 m
30L	GS	IDBW	111.30 MHz	10 nm	301.54	3.00	62 ft
				19 km	299.19		62 m
30R	GS	IDBR	110.90 MHz	10 nm	301.49	3.00	62 ft
				19 km	299.14		62 m



## SBGL

Region: BRAZIL  
Timezone: AMERICA/SAO\_PAULO  
Runways: 2

Elevation: 28 ft / 9 m  
Location: -22.808900 -43.243800  
Magnetic Var: 23.419 W

## METAR

SBGL 022000Z 06005KT CAVOK 34/20 Q1007

## TAF

TAF SBGL 021500Z 0218/0324 13010KT 9999 FEW030 TN24/0309Z TX35/0318Z BECMG 0222/0224 09005KT BECMG 0303/0306 3200

## Frequencies

REC - 127.60 MHz - ATIS	CLD - 121.00 MHz - GALEAO CLEARANCE
CLD - 135.10 MHz - GALEAO CLEARANCE	GND - 121.65 MHz - GALEAO GROUND
GND - 128.35 MHz - GALEAO GROUND	TWR - 118.00 MHz - GALEAO TOWER
TWR - 118.20 MHz - GALEAO TOWER	APP - 129.80 MHz - RIO APPROACH
APP - 125.95 MHz - RIO APPROACH	APP - 128.90 MHz - RIO APPROACH
APP - 119.35 MHz - RIO APPROACH	COM - 122.80 MHz - GALEAO UNICOM

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	148 ft	13,136 ft	74.40	CONCRETE	0 ft	0 ft
	45 m	4,004 m	97.81		0 m	0 m
28	148 ft	13,136 ft	254.38	CONCRETE	0 ft	174 ft
	45 m	4,004 m	277.80		0 m	53 m
15	154 ft	10,426 ft	125.65	ASPHALT	0 ft	184 ft
	47 m	3,178 m	149.07		0 m	56 m
33	154 ft	10,426 ft	305.64	ASPHALT	0 ft	184 ft
	47 m	3,178 m	329.06		0 m	56 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15	DME	IGL	110.30 MHz	18 nm	-	-	17 ft
				33 km	-		17 m
28	DME	ILM	111.50 MHz	18 nm	-	-	28 ft
				33 km	-		28 m
10	LOC-ILS	ITB	109.30 MHz	18 nm	74.39	-	28 ft
				33 km	97.81		28 m
15	LOC-ILS	IGL	110.30 MHz	18 nm	125.65	-	28 ft
				33 km	149.07		28 m
28	LOC-ILS	ILM	111.50 MHz	18 nm	254.39	-	28 ft
				33 km	277.81		28 m
10	GS	ITB	109.30 MHz	10 nm	74.39	3.00	28 ft
				19 km	97.81		28 m
15	GS	IGL	110.30 MHz	10 nm	125.65	3.00	28 ft
				19 km	149.07		28 m
28	GS	ILM	111.50 MHz	10 nm	254.39	2.94	28 ft
				19 km	277.81		28 m