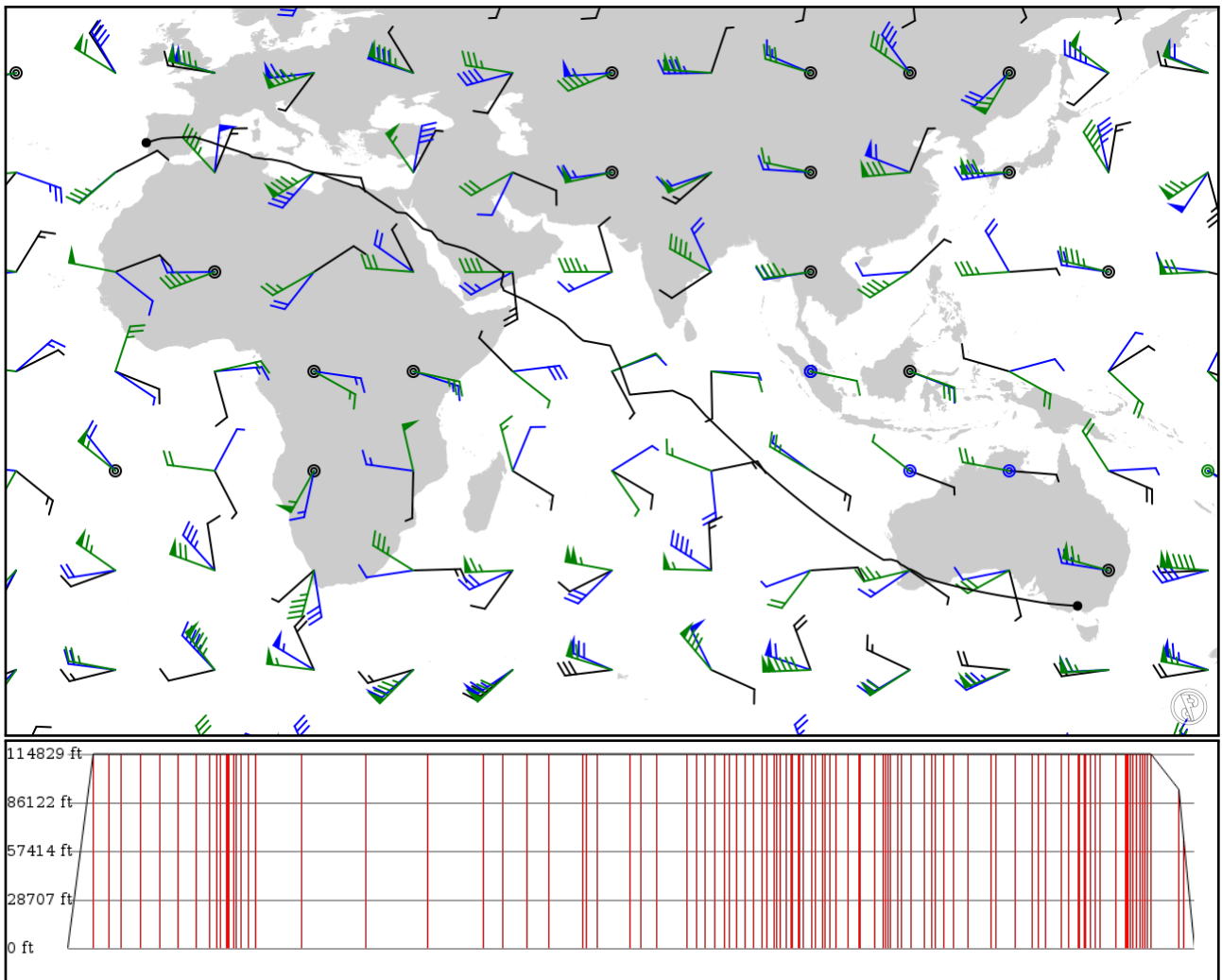


2024/05/13 2319Z

YMML ML **Q158** KATHI GRABL -3200S11800E CUN KARAB ROSMO -3100S11600E GURAK BUVEL -3000S11400E MERIB  
**L894** KAMUN **T41** SABEK **N628** SAKMU **L516** ENBAD **T940** P3 700N06200E 800N06100E 900N06000E LOXIN **UN764**  
SOC **N764** KAVAN GESIX **N764** NOTBO DANAN KITAB **V632** THAMD **UP323** WDR **V331** EGMOT **Z331** VEMEM EGREP  
DATAP RBG **V44** YEN **UL300** GIBAL **L315** HGD **V608** NABED **T55** KATAB **P751** BRN **A411** LOSUL **UP128** LAB **UM979**  
SUDIK **UM9** OMENI **UL874** DIMAO **G6** ANB **UM134** VLC **UN733** WALLY **UQ900** OBIPA **B60** PORTA LPPT

10016.58 nm / 18550.70 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
YMLL	-	-37.66550	0 ft	-	Melbourne
APT	-	144.83700	0 m		
ML	-	-37.66010	100 ft	0	MELBOURNE
VOR	-	144.84200	30 m		
CRENA	Q158	-37.27330	35,000 ft	228	-
FIX	AWY-HI	140.08200	10,668 m		
KROWS	Q158	-36.83170	35,000 ft	137	-
FIX	AWY-HI	137.26200	10,668 m		
CANDY	Q158	-36.42500	35,000 ft	111	-
FIX	AWY-HI	135.00000	10,668 m		
CLAMY	Q158	-35.85330	35,000 ft	173	-
FIX	AWY-HI	131.50000	10,668 m		
COBEL	Q158	-35.16830	35,000 ft	175	-
FIX	AWY-HI	128.00000	10,668 m		
CRICK	Q158	-34.49170	35,000 ft	153	-
FIX	AWY-HI	125.00000	10,668 m		
ESP	Q158	-33.68060	35,000 ft	165	ESPERANCE
VOR	AWY-HI	121.82400	10,668 m		
KATHI	Q158	-32.99060	35,000 ft	120	-
FIX	AWY-HI	119.57000	10,668 m		
GRABL	-	-32.33710	35,000 ft	62	-
FIX	-	118.60600	10,668 m		
-3200S11800E	-	-32.00000	35,000 ft	36	-
LATLON	-	118.00000	10,668 m		
CUN	-	-31.62510	35,000 ft	45	CUNDERDIN
NDB	-	117.22400	10,668 m		
KARAB	-	-31.55520	35,000 ft	18	-
FIX	-	116.87800	10,668 m		
ROSMO	-	-31.44560	35,000 ft	9	-
FIX	-	116.74200	10,668 m		
-3100S11600E	-	-31.00000	35,000 ft	46	-
LATLON	-	116.00000	10,668 m		
GURAK	-	-30.86490	35,000 ft	19	-
FIX	-	115.64900	10,668 m		
BUVEL	-	-30.31340	35,000 ft	45	-
FIX	-	115.05400	10,668 m		
-3000S11400E	-	-30.00000	35,000 ft	57	-
LATLON	-	114.00000	10,668 m		
MERIB	-	-30.06670	35,000 ft	65	-
FIX	-	112.75200	10,668 m		
NINOB	L894	-26.00000	35,000 ft	412	-
FIX	AWY-HI	106.48500	10,668 m		
POLUM	L894	-20.00000	35,000 ft	567	-
FIX	AWY-HI	98.54670	10,668 m		
RUNUT	L894	-13.82700	35,000 ft	553	-
FIX	AWY-HI	91.38050	10,668 m		
SAKEG	L894	-8.17132	35,000 ft	492	-
FIX	AWY-HI	85.33430	10,668 m		
IDEVI	L894	-6.21667	35,000 ft	168	-
FIX	AWY-HI	83.31500	10,668 m		
KAMUN	L894	-3.50500	35,000 ft	218	-
FIX	AWY-HI	80.89170	10,668 m		
SABEK	T41	-2.14250	35,000 ft	197	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	77.89360	10,668 m		
RUGBI	N628	-2.59222	35,000 ft	302	-
FIX	AWY-HI	72.87420	10,668 m		
MEGOK	N628	-2.65083	35,000 ft	34	-
FIX	AWY-HI	72.30690	10,668 m		
SAKMU	N628	-2.80500	35,000 ft	90	-
FIX	AWY-HI	70.80750	10,668 m		
ELKEL	L516	1.81889	35,000 ft	294	-
FIX	AWY-HI	69.18330	10,668 m		
GOBIG	L516	3.23694	35,000 ft	93	-
FIX	AWY-HI	68.52560	10,668 m		
ENBAD	L516	5.29861	35,000 ft	136	-
FIX	AWY-HI	67.56500	10,668 m		
P3	T940	6.11856	35,000 ft	270	-
FIX	AWY-HI	63.11730	10,668 m		
700N06200E	-	7.00000	35,000 ft	85	-
LATLON	-	62.00000	10,668 m		
800N06100E	-	8.00000	35,000 ft	84	-
LATLON	-	61.00000	10,668 m		
900N06000E	-	9.00000	35,000 ft	84	-
LATLON	-	60.00000	10,668 m		
LOXIN	-	9.81694	35,000 ft	82	-
FIX	-	58.88390	10,668 m		
NABAM	UN764	10.18580	35,000 ft	44	-
FIX	AWY-HI	58.24060	10,668 m		
EKBAS	UN764	10.76530	35,000 ft	69	-
FIX	AWY-HI	57.21750	10,668 m		
AVELI	UN764	11.36690	35,000 ft	73	-
FIX	AWY-HI	56.13330	10,668 m		
SUHIL	UN764	12.00000	35,000 ft	76	-
FIX	AWY-HI	55.00000	10,668 m		
SOC	UN764	12.63890	35,000 ft	74	SOCOTRA
VOR	AWY-HI	53.90600	10,668 m		
KEDAV	N764	12.93140	35,000 ft	42	-
FIX	AWY-HI	53.25250	10,668 m		
RAPDO	N764	13.38810	35,000 ft	64	-
FIX	AWY-HI	52.25890	10,668 m		
KAVAN	N764	13.54720	35,000 ft	22	-
FIX	AWY-HI	51.90860	10,668 m		
GESIX	-	13.74440	35,000 ft	28	-
FIX	-	51.47310	10,668 m		
ORBAT	N764	14.11060	35,000 ft	52	-
FIX	AWY-HI	50.65670	10,668 m		
NOTBO	N764	14.43580	35,000 ft	46	-
FIX	AWY-HI	49.92500	10,668 m		
DANAN	-	14.66940	35,000 ft	14	-
FIX	-	49.89280	10,668 m		
KITAB	-	15.32830	35,000 ft	45	-
FIX	-	49.52220	10,668 m		
TAVLI	V632	15.58390	35,000 ft	15	-
FIX	AWY-HI	49.57500	10,668 m		
GINBO	V632	16.06360	35,000 ft	29	-
FIX	AWY-HI	49.67140	10,668 m		
THAMD	V632	17.28330	35,000 ft	74	-
FIX	AWY-HI	49.91670	10,668 m		
KANEM	UP323	17.61670	35,000 ft	33	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	49.44860	10,668 m		
ALNES	UP323	18.30500	35,000 ft	69	-
FIX	AWY-HI	48.46970	10,668 m		
KUTMA	UP323	18.49080	35,000 ft	18	-
FIX	AWY-HI	48.20060	10,668 m		
GERUG	UP323	18.92500	35,000 ft	44	-
FIX	AWY-HI	47.56720	10,668 m		
DAVLO	UP323	19.39530	35,000 ft	48	-
FIX	AWY-HI	46.87420	10,668 m		
WDR	UP323	20.50530	35,000 ft	115	WADI AL DAWASIR
VOR	AWY-HI	45.20540	10,668 m		
EGMOT	V331	21.17110	35,000 ft	88	-
FIX	AWY-HI	43.79750	10,668 m		
OBSAM	Z331	21.32220	35,000 ft	20	-
FIX	AWY-HI	43.47250	10,668 m		
DEKLO	Z331	21.91140	35,000 ft	123	-
FIX	AWY-HI	41.35220	10,668 m		
VEMEM	Z331	22.26490	35,000 ft	77	-
FIX	AWY-HI	40.02180	10,668 m		
EGREP	-	22.46510	35,000 ft	15	-
FIX	-	39.83520	10,668 m		
DATAP	-	22.65750	35,000 ft	22	-
FIX	-	39.48620	10,668 m		
RBG	-	22.79190	35,000 ft	23	RABIGH
VOR	-	39.09720	10,668 m		
PASAG	V44	23.69250	35,000 ft	66	-
FIX	AWY-HI	38.39810	10,668 m		
YEN	V44	24.14950	35,000 ft	33	YENBO
VOR	AWY-HI	38.03860	10,668 m		
GIBAL	UL300	24.62030	35,000 ft	84	-
FIX	AWY-HI	36.57860	10,668 m		
MOGAP	L315	26.01530	35,000 ft	116	-
FIX	AWY-HI	35.08190	10,668 m		
SOBEL	L315	26.83640	35,000 ft	69	-
FIX	AWY-HI	34.17780	10,668 m		
HGD	L315	27.17770	35,000 ft	28	HURGHADA
VOR	AWY-HI	33.79640	10,668 m		
NABED	V608	27.30030	35,000 ft	81	-
FIX	AWY-HI	32.28500	10,668 m		
GINDI	T55	28.07140	35,000 ft	76	-
FIX	AWY-HI	31.14780	10,668 m		
KATAB	T55	29.41690	35,000 ft	135	-
FIX	AWY-HI	29.08500	10,668 m		
BRN	P751	31.57560	35,000 ft	205	SIDI BARRANI
VOR	AWY-HI	26.00560	10,668 m		
LOSUL	A411	31.68330	35,000 ft	45	-
FIX	AWY-HI	25.13330	10,668 m		
LAB	UP128	32.77810	35,000 ft	171	LABRAQ (EL BEIDA)
NDB	AWY-HI	22.02020	10,668 m		
RAMLI	UM979	33.71670	35,000 ft	143	-
FIX	AWY-HI	19.38330	10,668 m		
NETAG	UM979	34.00890	35,000 ft	58	-
FIX	AWY-HI	18.25470	10,668 m		
INDOT	UM979	34.33330	35,000 ft	67	-
FIX	AWY-HI	16.94810	10,668 m		
SUDIK	UM979	35.40810	35,000 ft	136	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	14.50810	10,668 m		
REPTA	UM9	35.70440	35,000 ft	65	-
FIX	AWY-HI	13.22140	10,668 m		
OMENI	UM9	36.04060	35,000 ft	86	-
FIX	AWY-HI	11.50000	10,668 m		
SORAB	UL874	36.04610	35,000 ft	7	-
FIX	AWY-HI	11.33830	10,668 m		
NBA	UL874	36.07390	35,000 ft	43	ENFIDHA
VOR	AWY-HI	10.43530	10,668 m		
LOBNA	UL874	36.15280	35,000 ft	15	-
FIX	AWY-HI	10.13970	10,668 m		
PERAM	UL874	36.25140	35,000 ft	40	-
FIX	AWY-HI	9.32056	10,668 m		
DIMAO	UL874	36.40500	35,000 ft	47	-
FIX	AWY-HI	8.36667	10,668 m		
ANB	G6	36.81670	35,000 ft	36	ANNABA VOR-DME
DME	AWY-HI	7.80000	10,668 m		
PAGRE	UM134	37.71000	35,000 ft	144	-
FIX	AWY-HI	5.00000	10,668 m		
LUXUR	UM134	38.21320	35,000 ft	80	-
FIX	AWY-HI	3.42194	10,668 m		
GENIO	UM134	38.29360	35,000 ft	13	-
FIX	AWY-HI	3.14781	10,668 m		
XARON	UM134	38.40510	35,000 ft	15	-
FIX	AWY-HI	2.85400	10,668 m		
OLMIR	UM134	38.53120	35,000 ft	17	-
FIX	AWY-HI	2.51792	10,668 m		
NINES	UM134	38.66360	35,000 ft	18	-
FIX	AWY-HI	2.16128	10,668 m		
IZA	UM134	38.91550	35,000 ft	35	IBIZA
NDB	AWY-HI	1.47042	10,668 m		
XOSTA	UM134	39.13310	35,000 ft	36	-
FIX	AWY-HI	0.74172	10,668 m		
NINOT	UM134	39.20880	35,000 ft	12	-
FIX	AWY-HI	0.48333	10,668 m		
COMPI	UM134	39.35080	35,000 ft	24	-
FIX	AWY-HI	-0.00789	10,668 m		
VLC	UM134	39.48560	35,000 ft	23	VALENCIA
VOR	AWY-HI	-0.48306	10,668 m		
CLS	UN733	39.70720	35,000 ft	26	CALLES (VALENCIA)
VOR	AWY-HI	-0.98633	10,668 m		
WALLY	UN733	39.75430	35,000 ft	5	-
FIX	AWY-HI	-1.09431	10,668 m		
OBIPA	UQ900	39.52450	28,600 ft	247	-
FIX	AWY-HI	-6.43472	8,717 m		
PORTA	B60	39.33010	19,600 ft	41	-
FIX	AWY-LO	-7.30258	5,974 m		
LPPT	-	38.77880	0 ft	91	Lisbon Humberto Delgado
APT	-	-9.13519	0 m		

## YMML

Region: AUSTRALIA  
Timezone: AUSTRALIA/MELBOURNE  
Runways: 2

Elevation: 433 ft / 132 m  
Location: -37.665500 144.837000  
Magnetic Var: 11.562 E

## METAR

YMML 132300Z 25008KT 9999 BKN037 13/06 Q1028

## TAF

TAF YMML 132003Z 1321/1500 24008KT 9999 BKN040 FM140200 19008KT 9999 SCT035 FM140900 01006KT CAVOK

## Frequencies

REC - 132.67 MHz - YMML ATIS  
GND - 121.70 MHz - MELBOURNE GND  
APP - 132.00 MHz - MELBOURNE APP

CLD - 127.20 MHz - MELBOURNE INTL CLD  
TWR - 120.50 MHz - MELBOURNE TWR  
DEP - 118.90 MHz - MELBOURNE DEP

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	148 ft	7,513 ft	94.00	ASPHALT	0 ft	197 ft
	45 m	2,290 m	82.44		0 m	60 m
27	148 ft	7,513 ft	273.98	ASPHALT	0 ft	174 ft
	45 m	2,290 m	262.42		0 m	53 m
16	155 ft	12,012 ft	171.60	ASPHALT	0 ft	200 ft
	47 m	3,661 m	160.04		0 m	61 m
34	155 ft	12,012 ft	351.60	ASPHALT	0 ft	200 ft
	47 m	3,661 m	340.04		0 m	61 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16	LOC-ILS	IMS	109.70 MHz	18 nm	171.60	-	433 ft
				33 km	160.04		433 m
27	LOC-ILS	IMW	109.30 MHz	18 nm	273.99	-	433 ft
				33 km	262.43		433 m
16	GS	IMS	109.70 MHz	10 nm	171.60	3.00	433 ft
				19 km	160.04		433 m
27	GS	IMW	109.30 MHz	10 nm	273.99	3.00	433 ft
				19 km	262.43		433 m

## LPPT

Region: PORTUGAL  
Timezone: EUROPE/LISBON  
Runways: 2

Elevation: 374 ft / 114 m  
Location: 38.778800 -9.135190  
Magnetic Var: 1.568 W

## METAR

LPPT 132300Z 31005KT 9999 FEW020 14/11 Q1015

## TAF

TAF LPPT 131700Z 1318/1424 32012KT 9999 BKN015 BECMG 1318/1321 33008KT SCT018 BECMG 1409/1412 32013KT SCT040 PROB

## Frequencies

REC - 121.95 MHz - ATIS	REC - 124.15 MHz - ATIS
TWR - 118.10 MHz - LISBOA TOWER	TWR - 118.50 MHz - LISBOA TOWER
GND - 121.75 MHz - LISBOA GROUND	CLD - 118.95 MHz - CLEARANCE DELIVERY
APP - 119.10 MHz - LISBOA APPROACH	APP - 119.55 MHz - LISBOA APPROACH
APP - 125.35 MHz - LISBOA ARRIVAL	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03	148 ft	12,505 ft	22.65	ASPHALT	302 ft	0 ft
	45 m	3,812 m	24.22		92 m	0 m
21	148 ft	12,505 ft	202.66	ASPHALT	1,965 ft	0 ft
	45 m	3,812 m	204.23		599 m	0 m
17	148 ft	7,612 ft	168.14	ASPHALT	0 ft	0 ft
	45 m	2,320 m	169.71		0 m	0 m
35	148 ft	7,612 ft	348.14	ASPHALT	194 ft	299 ft
	45 m	2,320 m	349.71		59 m	91 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03	DME	ILI	109.10 MHz	18 nm	-	-	419 ft
				33 km	-		419 m
21	DME	ILB	109.50 MHz	18 nm	-	-	423 ft
				33 km	-		423 m
03	LOC-ILS	ILI	109.10 MHz	18 nm	22.66	-	374 ft
				33 km	24.23		374 m
21	LOC-ILS	ILB	109.50 MHz	18 nm	202.59	-	335 ft
				33 km	204.15		335 m
03	GS	ILI	109.10 MHz	10 nm	22.66	3.00	374 ft
				19 km	24.23		374 m
21	GS	ILB	109.50 MHz	10 nm	203.42	3.00	423 ft
				19 km	204.99		423 m