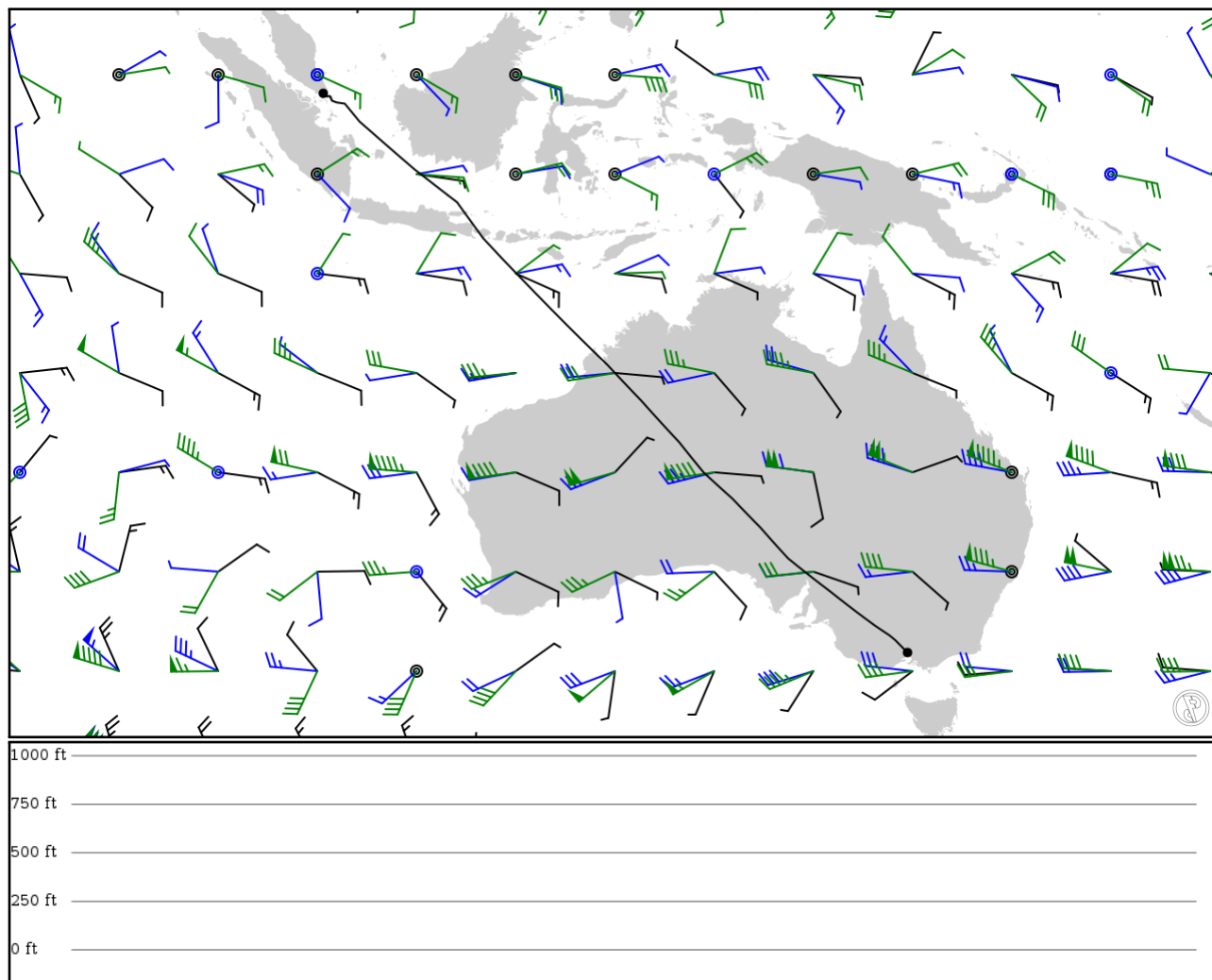


2024/05/20 0620Z

YMML KEPPA 3647S14358E ROBET KABEK 3109S13648E VIRUV ARENI 2510S13058E SCHEE VIPOX CIN ATMAP
GAGAK BLI UDONO RAMPY SUMDI TAVIP RAFIS MASRI SURGA IKAGO IKIMA IBULA LAVAX IGNON SANAT AKIPO WSSS

3306.00 nm / 6122.72 km



Notes

Requested: YMML KEPPA 3647S/14358E ROBET BOLAM KABEK 3109S/13648E VIRUV ARENI 2510S/13058E SCHEE VIPOX CIN ATMAP
Unmatched points: BOLAM 203S/10810E 122S/10722E 025N/10541E

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
YMLL	-	-37.66550	0 ft	-	Melbourne Intl
APT	-	144.83700	0 m		
KEPPA	-	-36.79660	0 ft	66	-
FIX	-	143.97600	0 m		
3647S14358E	-	-36.47000	0 ft	27	-
LATLON	-	143.58000	0 m		
ROBET	-	-35.75640	0 ft	67	-
FIX	-	142.51600	0 m		
KABEK	-	-33.38850	0 ft	209	-
FIX	-	139.41100	0 m		
3109S13648E	-	-31.09000	0 ft	203	-
LATLON	-	136.48000	0 m		
VIRUV	-	-28.95190	0 ft	162	-
FIX	-	134.55800	0 m		
ARENI	-	-26.93060	0 ft	159	-
FIX	-	132.59900	0 m		
2510S13058E	-	-25.10000	0 ft	154	-
LATLON	-	130.58000	0 m		
SCHEE	-	-22.98500	0 ft	157	-
FIX	-	128.86800	0 m		
VIPOX	-	-20.08360	0 ft	228	-
FIX	-	126.21400	0 m		
CIN	-	-17.58890	0 ft	201	CURTIN (DERBY)
VOR	-	123.85200	0 m		
ATMAP	-	-12.00000	0 ft	467	-
FIX	-	118.25500	0 m		
GAGAK	-	-10.16250	0 ft	151	-
FIX	-	116.48200	0 m		
BLI	-	-8.75057	0 ft	115	BALI (DEN PASAR)
VOR	-	115.16300	0 m		
UDONO	-	-7.00458	0 ft	129	-
FIX	-	113.89100	0 m		
RAMPY	-	-6.25016	0 ft	55	-
FIX	-	113.34600	0 m		
SUMDI	-	-4.61732	0 ft	160	-
FIX	-	111.23000	0 m		
TAVIP	-	-3.96431	0 ft	64	-
FIX	-	110.38300	0 m		
RAFIS	-	-2.89269	0 ft	98	-
FIX	-	109.13600	0 m		
MASRI	-	-2.48761	0 ft	37	-
FIX	-	108.66800	0 m		
SURGA	-	-0.61583	0 ft	170	-
FIX	-	106.52200	0 m		
IKAGO	-	0.63778	0 ft	97	-
FIX	-	105.49200	0 m		
IKIMA	-	0.72056	0 ft	34	-
FIX	-	104.91700	0 m		
IBULA	-	0.84333	0 ft	20	-
FIX	-	104.60000	0 m		
LAVAX	-	1.16389	0 ft	21	-
FIX	-	104.45400	0 m		
IGNON	-	1.14639	0 ft	14	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	104.21600	0 m		
SANAT	-	1.13022	0 ft	13	-
FIX	-	103.99200	0 m		
AKIPO	-	1.23230	0 ft	7	-
FIX	-	103.92800	0 m		
WSSS	-	1.35551	0 ft	8	Singapore Changi Intl
APT	-	103.98800	0 m		

YMML

Region: AUSTRALIA
Timezone: AUSTRALIA/MELBOURNE
Runways: 2

Elevation: 433 ft / 132 m
Location: -37.665500 144.837000
Magnetic Var: 11.563 E

METAR

YMML 200600Z 19009KT 9999 -SHRA FEW023 BKN035 11/09 Q1028 RF00.0/000.6

TAF

TAF YMML 200518Z 2006/2112 19010KT 9999 -SHRA FEW015 BKN045 FM201000 20008KT 9999 -SHRA FEW015 BKN025 FM201600 3300

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

WSSS

Region: SINGAPORE

Timezone: ASIA/SINGAPORE

Runways: 2

Elevation: 20 ft / 6 m

Location: 1.355510 103.988000

Magnetic Var: 0.198 E

METAR

WSSS 200600Z 16006KT 9999 FEW016 BKN260 29/26 Q1007 NOSIG

TAF

TAF WSSS 200500Z 2006/2112 16009KT 9999 FEW015 SCT020

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR	DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR	DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR	DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR	DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR	DEP - 255.40 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR	APP - 120.30 MHz - SINGAPORE APPROACH
APP - 124.60 MHz - SINGAPORE APPROACH	APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.60 MHz - SINGAPORE TOWER	TWR - 118.25 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND	GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND	GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
GND - 122.55 MHz - SINGAPORE GROUND	CLD - 121.65 MHz - SINGAPORE DELIVERY
CLD - 119.60 MHz - SINGAPORE DELIVERY	REC - 128.60 MHz -
REC - 128.02 MHz -	CHANGI AIRPORT INFORMATION (D-ATIS)
CHANGI AIRPORT ARRIVAL INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02L	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20R	197 ft	13,187 ft	202.88	ASPHALT	2,428 ft	390 ft
	60 m	4,020 m	202.68		740 m	119 m
02C	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20C	197 ft	13,187 ft	202.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	202.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02C	DME	ICE	108.30 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
02L	DME	ICW	110.90 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
20C	DME	ICC	109.70 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
20R	DME	ICH	108.90 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
02C	LOC-ILS	ICE	108.30 MHz	18 nm	22.88	-	20 ft
				33 km	22.68		20 m
02L	LOC-ILS	ICW	110.90 MHz	18 nm	22.88	-	20 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	22.68		20 m
20C	LOC-ILS	ICC	109.70 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
20R	LOC-ILS	ICH	108.90 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
02C	GS	ICE	108.30 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
02L	GS	ICW	110.90 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
20C	GS	ICC	109.70 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m
20R	GS	ICH	108.90 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m