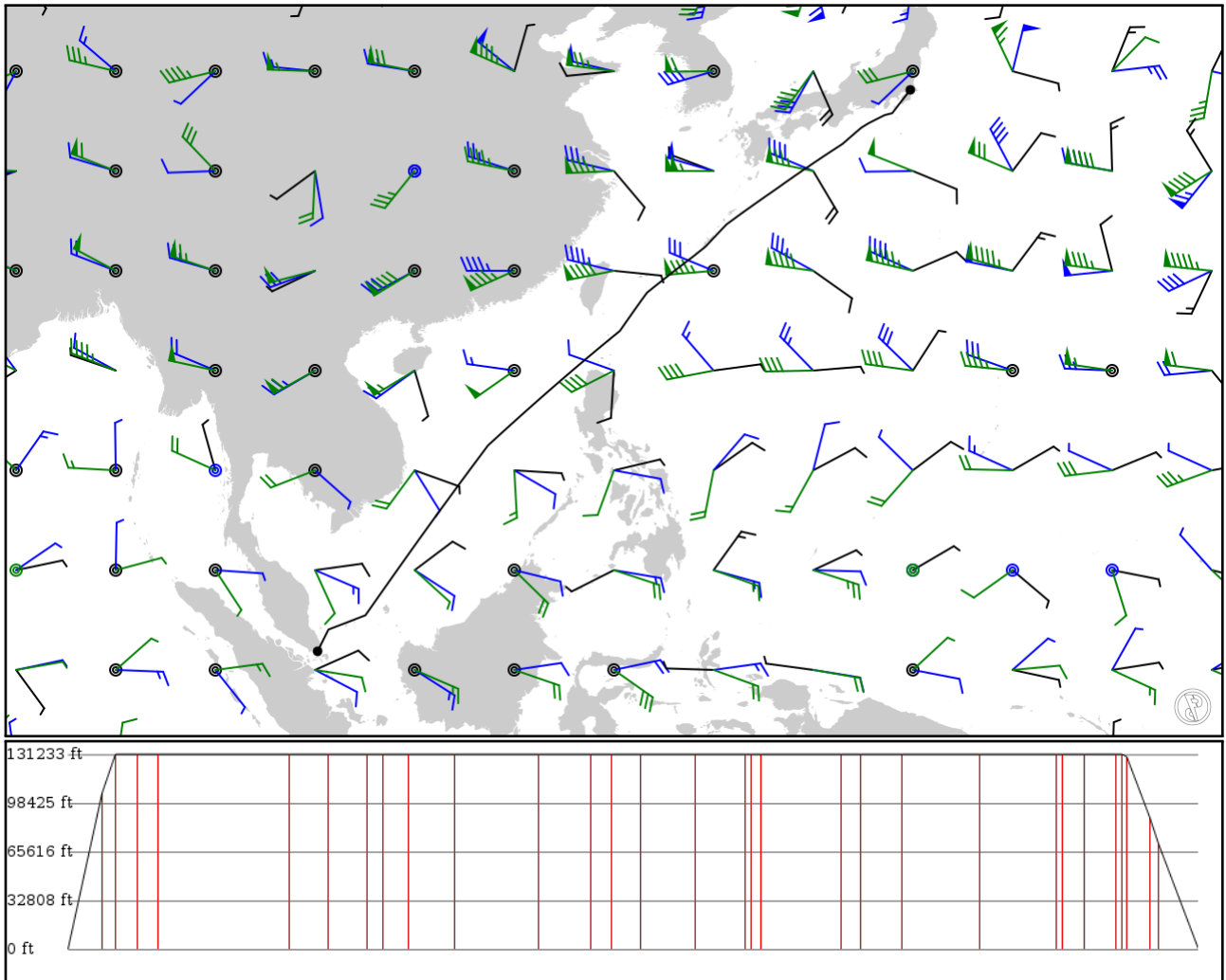


2024/05/04 0741Z

WSSS LENDA **N884** LUSMO **L625** MEVIN **B462** KAZIK **Y59** AZAMA **Y57** JERID **Y571** SOPHY **Y52** CHALK **Y21** KOUGA
RJAA

2933.67 nm / 5433.15 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 40000ft
- 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
WSSS	-	1.35561	0 ft	-	Singapore Changi
APT	-	103.98800	0 m	-	
LEDA	-	2.69000	32,000 ft	89	-
FIX	-	104.65800	9,754 m	-	-
LIPRO	N884	2.89500	40,000 ft	34	-
FIX	AWY-HI	105.19100	12,192 m	-	-
LEBIN	N884	3.24389	40,000 ft	58	-
FIX	AWY-HI	106.10100	12,192 m	-	-
LUSMO	N884	3.56139	40,000 ft	53	-
FIX	AWY-HI	106.92600	12,192 m	-	-
AKMON	L625	8.21556	40,000 ft	341	-
FIX	AWY-HI	110.21900	12,192 m	-	-
UDOSI	L625	9.54694	40,000 ft	98	-
FIX	AWY-HI	111.18100	12,192 m	-	-
ALDAS	L625	10.94830	40,000 ft	103	-
FIX	AWY-HI	112.20500	12,192 m	-	-
AGSAM	L625	11.47170	40,000 ft	38	-
FIX	AWY-HI	112.58800	12,192 m	-	-
ANOKI	L625	12.36670	40,000 ft	66	-
FIX	AWY-HI	113.25000	12,192 m	-	-
ARESI	L625	13.97330	40,000 ft	119	-
FIX	AWY-HI	114.45000	12,192 m	-	-
AKOTA	L625	16.46200	40,000 ft	218	-
FIX	AWY-HI	117.20700	12,192 m	-	-
AVMUP	L625	17.99330	40,000 ft	136	-
FIX	AWY-HI	118.95900	12,192 m	-	-
ALDIS	L625	18.59790	40,000 ft	54	-
FIX	AWY-HI	119.66400	12,192 m	-	-
ABVAR	L625	19.41410	40,000 ft	73	-
FIX	AWY-HI	120.62800	12,192 m	-	-
MEVIN	L625	21.00000	40,000 ft	144	-
FIX	AWY-HI	122.55000	12,192 m	-	-
MAGMA	B462	22.79760	40,000 ft	128	-
FIX	AWY-HI	123.81700	12,192 m	-	-
SADEK	B462	23.00430	40,000 ft	14	-
FIX	AWY-HI	123.96500	12,192 m	-	-
KAZIK	B462	23.35160	40,000 ft	25	-
FIX	AWY-HI	124.22200	12,192 m	-	-
AMMEK	Y59	25.59820	40,000 ft	206	-
FIX	AWY-HI	127.09400	12,192 m	-	-
AZAMA	Y59	26.16090	40,000 ft	51	-
FIX	AWY-HI	127.80100	12,192 m	-	-
TAMAK	Y57	27.53140	40,000 ft	107	-
FIX	AWY-HI	129.09800	12,192 m	-	-
SHIBK	Y57	29.65400	40,000 ft	202	-
FIX	AWY-HI	132.08100	12,192 m	-	-
YULIA	Y57	31.71690	40,000 ft	198	-
FIX	AWY-HI	135.07600	12,192 m	-	-
NIKAI	Y57	31.87500	40,000 ft	15	-
FIX	AWY-HI	135.31600	12,192 m	-	-
JERID	Y57	32.46310	40,000 ft	57	-
FIX	AWY-HI	136.22000	12,192 m	-	-
SOPHY	Y571	33.45410	40,000 ft	82	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	137.36600	12,192 m		
BILLY	Y52	33.61110	40,000 ft	15	-
FIX	AWY-HI	137.62000	12,192 m		
SAKAK	Y52	33.72010	39,500 ft	11	-
FIX	AWY-HI	137.79700	12,040 m		
CHALK	Y52	34.22940	27,000 ft	58	-
FIX	AWY-HI	138.80300	8,230 m		
KOUGA	Y21	34.34810	21,700 ft	24	-
FIX	AWY-HI	139.27100	6,614 m		
RJAA	-	35.77700	0 ft	101	NARITA INTL
APT	-	140.38200	0 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 040730Z 21003KT 160V280 9999 -RA FEW018 SCT060 BKN160 26/23 Q1008 NOSIG

TAF

TAF WSSS 040500Z 0406/0512 22008KT 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

RJAA

Region: JAPAN
Timezone: ASIA/TOKYO
Runways: 2

Elevation: 135 ft / 41 m
Location: 35.777200 140.382000
Magnetic Var: 7.777 W

METAR

RJAA 040730Z 18009KT 150V210 CAVOK 25/07 Q1019 NOSIG

TAF

TAF RJAA 040514Z 0406/0512 17008KT 9999 FEW030 TEMPO 0418/0421 3000 BR

Frequencies

REC - 128.25 MHz - ATIS	TWR - 122.70 MHz - NARITA TOWER
TWR - 126.20 MHz - NARITA TOWER	TWR - 118.35 MHz - NARITA TOWER
TWR - 118.20 MHz - NARITA TOWER	GND - 121.85 MHz - NARITA GROUND
GND - 121.95 MHz - NARITA GROUND	GND - 121.60 MHz - NARITA GROUND
GND - 121.75 MHz - NARITA GROUND	APP - 125.20 MHz - NARITA APPROACH
APP - 124.40 MHz - NARITA APPROACH	APP - 121.27 MHz - NARITA APPROACH
APP - 125.80 MHz - NARITA APPROACH	APP - 127.70 MHz - NARITA APPROACH
DEP - 120.60 MHz - NARITA DEPARTURE	DEP - 127.50 MHz - NARITA DEPARTURE
DEP - 119.60 MHz - NARITA DEPARTURE	DEP - 125.52 MHz - NARITA DEPARTURE
DEP - 124.20 MHz - NARITA DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16R	197 ft	13,146 ft	149.63	ASPHALT	0 ft	407 ft
	60 m	4,007 m	157.41		0 m	124 m
34L	197 ft	13,146 ft	329.64	ASPHALT	0 ft	404 ft
	60 m	4,007 m	337.42		0 m	123 m
16L	197 ft	8,210 ft	149.61	ASPHALT	0 ft	197 ft
	60 m	2,503 m	157.39		0 m	60 m
34R	197 ft	8,210 ft	329.62	ASPHALT	0 ft	0 ft
	60 m	2,503 m	337.40		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16L	DME	ITM	110.70 MHz	18 nm	-	-	145 ft
				33 km	-		145 m
16R	DME	IKF	111.50 MHz	18 nm	-	-	145 ft
				33 km	-		145 m
34L	DME	IYQ	111.90 MHz	18 nm	-	-	153 ft
				33 km	-		153 m
34R	DME	ITJ	110.90 MHz	18 nm	-	-	148 ft
				33 km	-		148 m
16L	LOC-ILS	ITM	110.70 MHz	18 nm	149.64	-	135 ft
				33 km	157.42		135 m
16R	LOC-ILS	IKF	111.50 MHz	18 nm	149.62	-	135 ft
				33 km	157.40		135 m
34L	LOC-ILS	IYQ	111.90 MHz	18 nm	329.62	-	135 ft
				33 km	337.40		135 m
34R	LOC-ILS	ITJ	110.90 MHz	18 nm	329.64	-	135 ft
				33 km	337.42		135 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16L	GS	ITM	110.70 MHz	10 nm	149.64	3.00	135 ft
				19 km	157.42		135 m
16R	GS	IKF	111.50 MHz	10 nm	149.62	3.00	135 ft
				19 km	157.40		135 m
34L	GS	IYQ	111.90 MHz	10 nm	329.62	3.00	135 ft
				19 km	337.40		135 m
34R	GS	ITJ	110.90 MHz	10 nm	329.64	3.00	135 ft
				19 km	337.42		135 m