WSSS

Singapore Changi Intl. Airport

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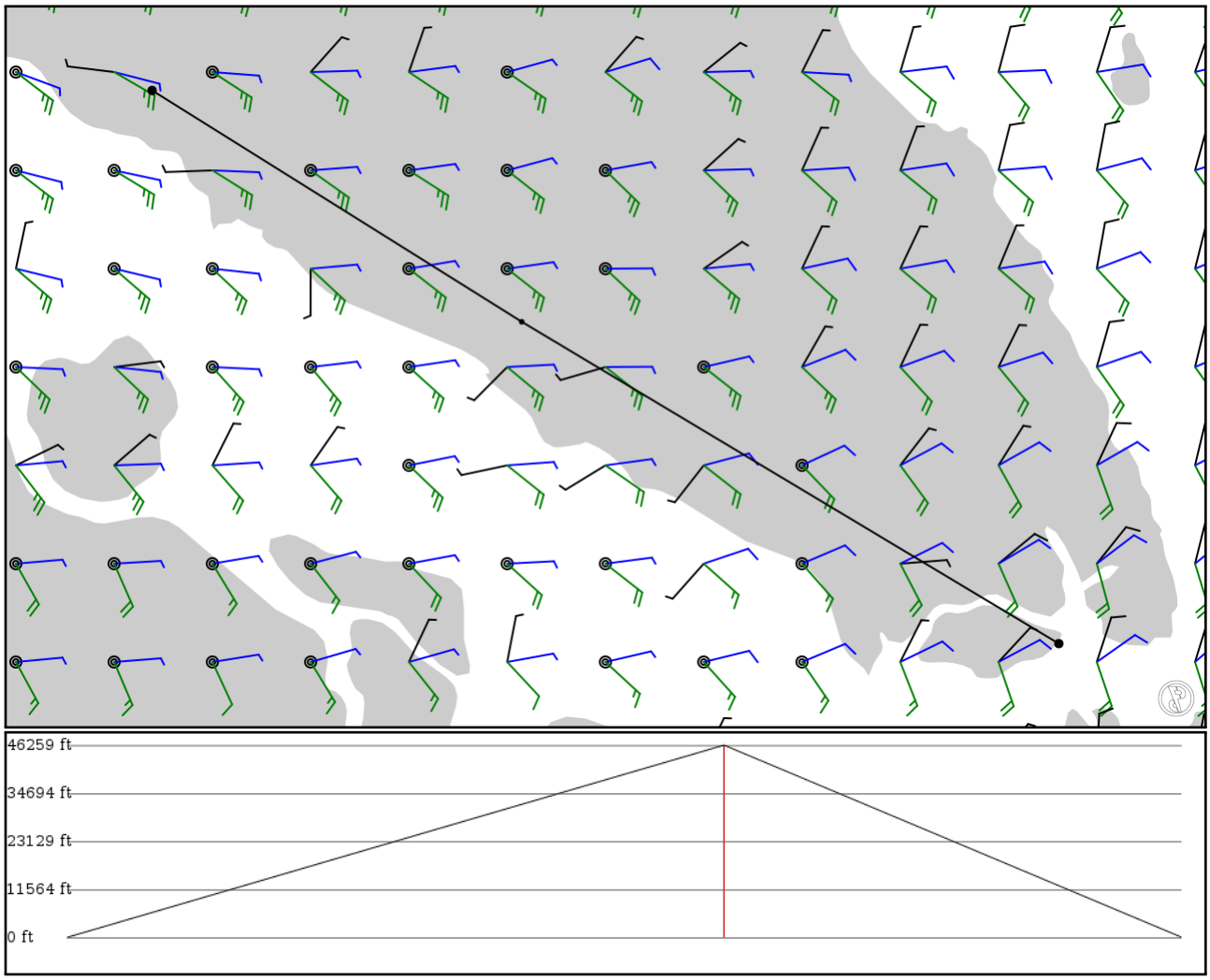
WMKK

Kuala Lumpur Intl - Sepang

2024/03/19 0623Z

WSSS GUPTA WMKK

160.71 nm / 297.63 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 28000ft
- Cruise Speed: 280kts
- 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
WSSS APT	– –	1.35192 103.99560	0 ft 0 m	–	Singapore Changi Intl. Airport
GUPTA FIX	– –	2.16278 102.64167	14,100 ft 4,298 m	94	–
WMKK APT	– –	2.74558 101.70991	0 ft 0 m	65	Kuala Lumpur Intl – Sepang

WSSS

Region: SINGAPORE
Timezone: ASIA/SINGAPORE
Runways: 2

Elevation: 20 ft / 6 m
Location: 1.355510 103.988000
Magnetic Var: 0.199 E

METAR

WSSS 190600Z 36012KT 9999 FEW020TCU SCT022 BKN300 33/24 Q1010 NOSIG

TAF

TAF WSSS 190500Z 1906/2012 01011KT 9999 FEW015 SCT020

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR
APP - 124.60 MHz - SINGAPORE APPROACH
TWR - 118.60 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND
GND - 122.55 MHz - SINGAPORE GROUND
CLD - 119.60 MHz - SINGAPORE DELIVERY
REC - 128.02 MHz -
CHANGI AIRPORT ARRIVAL INFORMATION

DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 255.40 MHz - SINGAPORE RADAR
APP - 120.30 MHz - SINGAPORE APPROACH
APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.25 MHz - SINGAPORE TOWER
GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
CLD - 121.65 MHz - SINGAPORE DELIVERY
REC - 128.60 MHz -
CHANGI AIRPORT INFORMATION (D-ATIS)

Runways

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

Approach Navaids

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

WMKK

Region: MALAYSIA (PENINSULAR MALAYSIA)
Timezone: ASIA/KUALA_LUMPUR
Runways: 3
Elevation: 68 ft / 21 m
Location: 2.738340 101.702000
Magnetic Var: 0.055 E

METAR

WMKK 190600Z VRB03KT 9999 SCT018 35/23 Q1009 NOSIG

TAF

TAF WMKK 190500Z 1906/2012 VRB02KT 9999 FEW020 TEMPO 1908/1911 5000 TSRA FEW017CB

Frequencies

APP - 118.65 MHz - LUMPUR RADAR
APP - 124.20 MHz - LUMPUR RADAR
APP - 119.45 MHz - LUMPUR RADAR
APP - 124.65 MHz - LUMPUR RADAR
APP - 135.75 MHz - LUMPUR RADAR
TWR - 118.80 MHz - LUMPUR TOWER
TWR - 119.80 MHz - LUMPUR TOWER
GND - 121.80 MHz - LUMPUR GROUND
GND - 118.05 MHz - LUMPUR GROUND
GND - 122.85 MHz - LUMPUR GROUND
GND - 123.25 MHz - LUMPUR GROUND
GND - 122.55 MHz - LUMPUR GROUND
CLD - 126.00 MHz - LUMPUR DELIVERY
REC - 128.05 MHz - LUMPUR TERMINAL INFORMATION
APP - 121.25 MHz - LUMPUR RADAR
APP - 125.80 MHz - LUMPUR RADAR
APP - 120.35 MHz - LUMPUR RADAR
APP - 125.10 MHz - LUMPUR RADAR
DEP - 135.25 MHz - LUMPUR DEPARTURE
TWR - 118.50 MHz - LUMPUR TOWER
GND - 121.65 MHz - LUMPUR GROUND
GND - 122.52 MHz - LUMPUR GROUND
GND - 122.15 MHz - LUMPUR GROUND
GND - 122.27 MHz - LUMPUR GROUND
GND - 121.72 MHz - LUMPUR GROUND
GND - 130.75 MHz - LUMPUR GROUND
REC - 126.45 MHz - LUMPUR TERMINAL INFORMATION

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	197 ft	13,034 ft	146.21	ASPHALT	0 ft	390 ft
	60 m	3,973 m	146.16		0 m	119 m
33	197 ft	13,034 ft	326.21	ASPHALT	0 ft	394 ft
	60 m	3,973 m	326.16		0 m	120 m
14L	197 ft	13,248 ft	146.20	ASPHALT	0 ft	384 ft
	60 m	4,038 m	146.14		0 m	117 m
32R	197 ft	13,248 ft	326.20	ASPHALT	0 ft	0 ft
	60 m	4,038 m	326.15		0 m	0 m
14R	197 ft	13,185 ft	146.21	ASPHALT	0 ft	0 ft
	60 m	4,019 m	146.16		0 m	0 m
32L	197 ft	13,185 ft	326.21	ASPHALT	0 ft	390 ft
	60 m	4,019 m	326.16		0 m	119 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15	DME	IWK	110.10 MHz	18 nm	-	-	-1 ft
				33 km	-		-1 m
33	DME	IWM	111.50 MHz	18 nm	-	-	-1 ft
				33 km	-		-1 m
14L	DME	IEL	108.50 MHz	18 nm	-	-	59 ft
				33 km	-		59 m
14R	DME	IWR	110.70 MHz	18 nm	-	-	78 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	–		78 m
32L	DME	IWL	111.90 MHz	18 nm	–	–	81 ft
				33 km	–		81 m
32R	DME	IER	109.10 MHz	18 nm	–	–	70 ft
				33 km	–		70 m
14L	LOC-ILS	IEL	108.50 MHz	18 nm	146.20	–	68 ft
				33 km	146.14		68 m
14R	LOC-ILS	IWR	110.70 MHz	18 nm	146.21	–	68 ft
				33 km	146.15		68 m
15	LOC-ILS	IWK	110.10 MHz	18 nm	146.21	–	68 ft
				33 km	146.15		68 m
32L	LOC-ILS	IWL	111.90 MHz	18 nm	326.21	–	68 ft
				33 km	326.15		68 m
32R	LOC-ILS	IER	109.10 MHz	18 nm	326.20	–	68 ft
				33 km	326.14		68 m
33	LOC-ILS	IWM	111.50 MHz	18 nm	326.21	–	68 ft
				33 km	326.15		68 m
14L	GS	IEL	108.50 MHz	10 nm	146.20	3.00	68 ft
				19 km	146.14		68 m
14R	GS	IWR	110.70 MHz	10 nm	146.21	3.00	68 ft
				19 km	146.15		68 m
15	GS	IWK	110.10 MHz	10 nm	146.21	3.00	68 ft
				19 km	146.15		68 m
32L	GS	IWL	111.90 MHz	10 nm	326.21	3.00	68 ft
				19 km	326.15		68 m
32R	GS	IER	109.10 MHz	10 nm	326.20	3.00	68 ft
				19 km	326.14		68 m
33	GS	IWM	111.50 MHz	10 nm	326.21	3.00	68 ft
				19 km	326.15		68 m