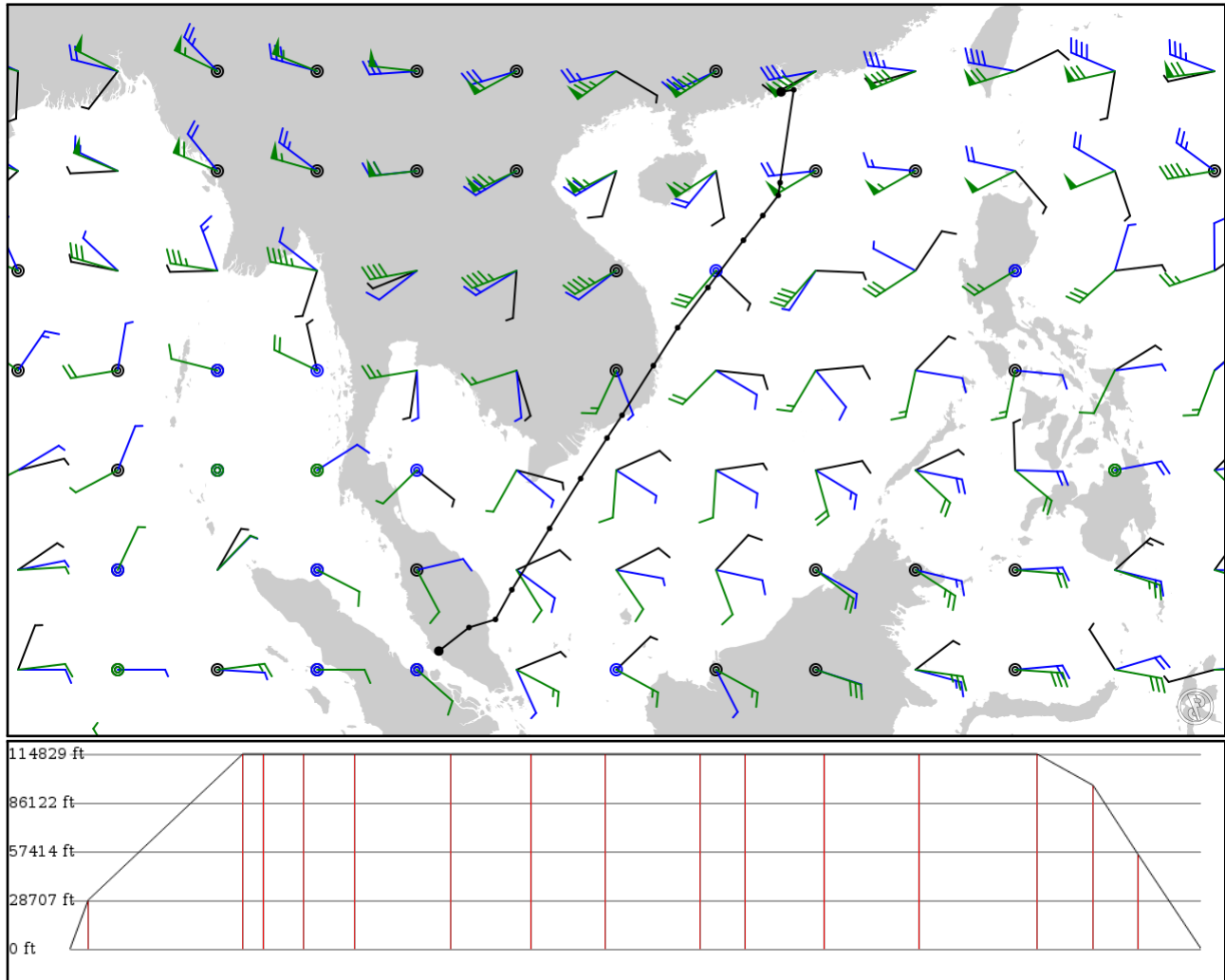


2024/05/10 1216Z

VMMC CH **L642** ENREP **M763** TAXUL **Y331** VKN33 WMKK

1439.73 nm / 2666.38 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
VMMC	-	22.14867	0 ft	-	Macau Intl
APT	-	113.59141	0 m		
CH	-	22.21954	8,800 ft	24	CHEUNG CHAU VOR-DME
VOR	-	114.03006	2,682 m		
EPDOS	L642	19.00000	35,000 ft	195	-
FIX	AWY-HI	113.55500	10,668 m		
ENBOK	L642	18.55667	35,000 ft	26	-
FIX	AWY-HI	113.49167	10,668 m		
EPKAL	L642	17.85833	35,000 ft	51	-
FIX	AWY-HI	112.95500	10,668 m		
EGEMU	L642	17.00000	35,000 ft	64	-
FIX	AWY-HI	112.28333	10,668 m		
EXOTO	L642	15.35833	35,000 ft	121	-
FIX	AWY-HI	111.05000	10,668 m		
VEPAM	L642	13.96667	35,000 ft	103	-
FIX	AWY-HI	110.00000	10,668 m		
KARAN	L642	12.64889	35,000 ft	93	-
FIX	AWY-HI	109.15667	10,668 m		
PHT	L642	10.92778	35,000 ft	121	PHANTHET VOR-DME
VOR	AWY-HI	108.07028	10,668 m		
ELSAS	L642	10.13667	35,000 ft	56	-
FIX	AWY-HI	107.54833	10,668 m		
CS	L642	8.72972	35,000 ft	100	CONSON NDB
NDB	AWY-HI	106.63194	10,668 m		
ESPOB	L642	7.00000	35,000 ft	122	-
FIX	AWY-HI	105.55500	10,668 m		
ENREP	L642	4.87306	35,000 ft	149	-
FIX	AWY-HI	104.24500	10,668 m		
TAXUL	M763	3.84333	29,400 ft	70	-
FIX	AWY-HI	103.67667	8,961 m		
VKN33	Y331	3.56371	17,000 ft	57	-
FIX	AWY-HI	102.75679	5,182 m		
WMKK	-	2.74558	0 ft	79	Kuala Lumpur Intl - Sepang
APT	-	101.70991	0 m		

VMMC

Region: MACAU
Timezone: UNKNOWN
Runways: 1

Elevation: 20 ft / 6 m
Location: 22.149400 113.591000
Magnetic Var: 3.151 W

METAR

VMMC 101200Z 10013KT 020V120 9999 FEW008 SCT015 25/23 Q1013 NOSIG

TAF

TAF VMMC 101100Z 1012/1118 10012KT 9999 FEW010 SCT020

Frequencies

REC - 126.40 MHz - ATIS
TWR - 118.00 MHz -

GND - 121.97 MHz -
APP - 126.30 MHz - HONG KONG RDR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	148 ft	11,097 ft	161.13	CONCRETE	1,214 ft	180 ft
	45 m	3,382 m	164.28		370 m	55 m
34	148 ft	11,097 ft	341.13	CONCRETE	1,217 ft	151 ft
	45 m	3,382 m	344.28		371 m	46 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16	DME	MCS	111.70 MHz	18 nm	-	-	286 ft
				33 km	-		286 m
34	DME	MCN	109.70 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
34	LOC-ILS	MCN	109.70 MHz	18 nm	341.13	-	20 ft
				33 km	344.28		20 m
16	LOC-LOC	MCS	111.70 MHz	18 nm	161.13	-	20 ft
				33 km	164.28		20 m
34	GS	MCN	109.70 MHz	10 nm	341.13	3.00	20 ft
				19 km	344.28		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: 0.057 E

METAR

WMKK 101200Z VRB05KT 9999 FEW017CB 29/26 Q1007 NOSIG

TAF

TAF WMKK 101100Z 1012/1118 VRB02KT 9999 FEW024 TEMPO 1104/1109 4000 TSRA FEW017CB

Frequencies

APP - 118.65 MHz - LUMPUR RADAR	APP - 121.25 MHz - LUMPUR RADAR
APP - 124.20 MHz - LUMPUR RADAR	APP - 125.80 MHz - LUMPUR RADAR
APP - 119.45 MHz - LUMPUR RADAR	APP - 120.35 MHz - LUMPUR RADAR
APP - 124.65 MHz - LUMPUR RADAR	APP - 125.10 MHz - LUMPUR RADAR
APP - 135.75 MHz - LUMPUR RADAR	DEP - 135.25 MHz - LUMPUR DEPARTURE
TWR - 118.80 MHz - LUMPUR TOWER	TWR - 118.50 MHz - LUMPUR TOWER
TWR - 119.80 MHz - LUMPUR TOWER	GND - 121.65 MHz - LUMPUR GROUND
GND - 121.80 MHz - LUMPUR GROUND	GND - 122.52 MHz - LUMPUR GROUND
GND - 118.05 MHz - LUMPUR GROUND	GND - 122.15 MHz - LUMPUR GROUND
GND - 122.85 MHz - LUMPUR GROUND	GND - 122.27 MHz - LUMPUR GROUND
GND - 123.25 MHz - LUMPUR GROUND	GND - 121.72 MHz - LUMPUR GROUND
GND - 122.55 MHz - LUMPUR GROUND	GND - 130.75 MHz - LUMPUR GROUND
CLD - 126.00 MHz - LUMPUR DELIVERY	REC - 126.45 MHz - LUMPUR TERMINAL INFORMATION
REC - 128.05 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	326.14		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 Nav aids

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