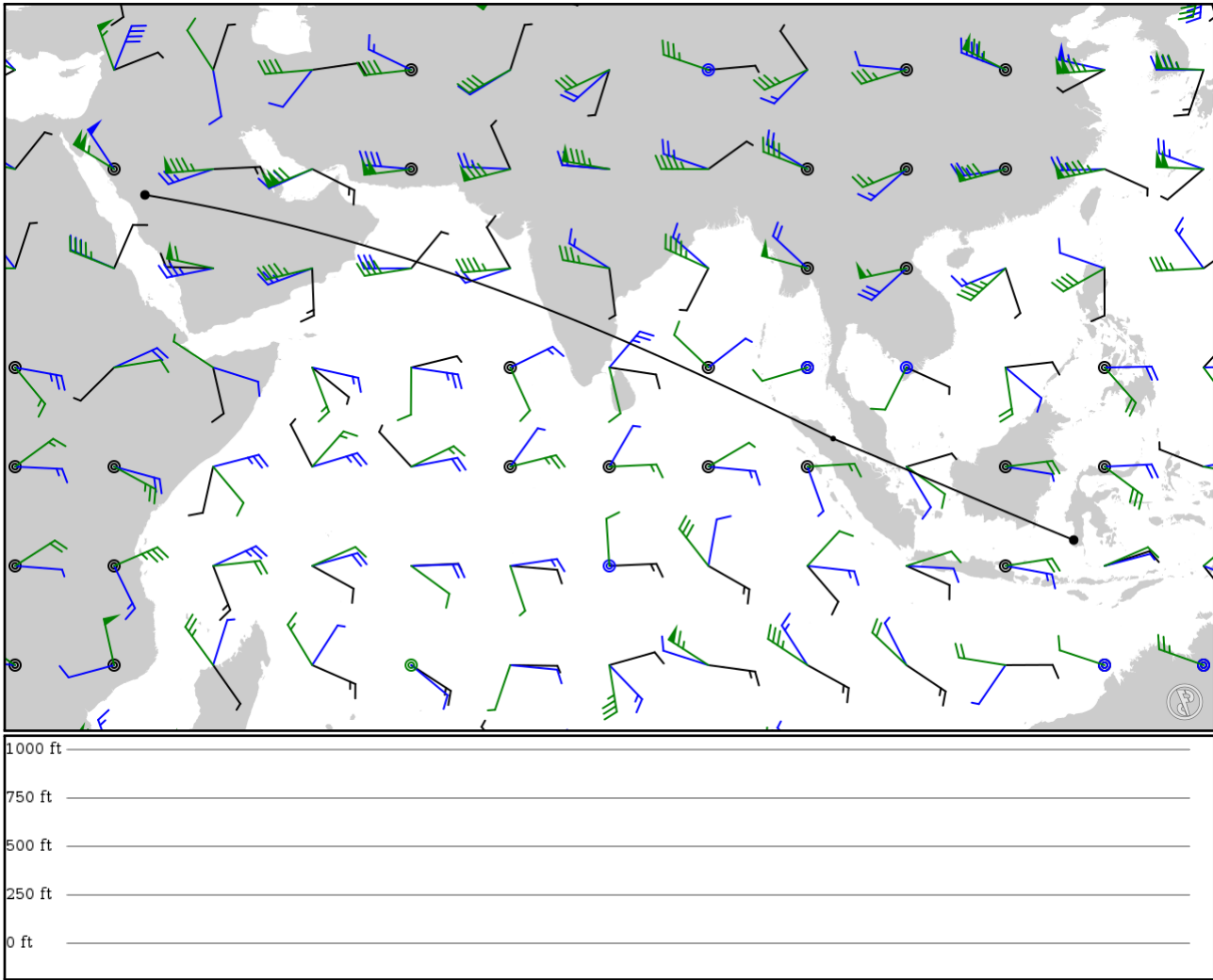


4983.13 nm / 9228.76 km



Notes

Requested: WAAA WIMM OEMA

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
WAAA	-	-5.07092	0 ft	-	Sultan Hasanuddin
APT	-	119.55300	0 m		
WIMM	-	3.63782	0 ft	1346	Kualanamu Int'l
APT	-	98.87060	0 m		
OEMA	-	24.55350	0 ft	3636	Madinah Intl
APT	-	39.70520	0 m		

## WAAA

Region: INDONESIA  
Timezone: ASIA/MAKASSAR  
Runways: 2

Elevation: 44 ft / 13 m  
Location: -5.070920 119.553000  
Magnetic Var: 0.255 E

## METAR

WAAA 111400Z VRB02KT 8000 FEW018 27/26 Q1011 NOSIG

## TAF

TAF WAAA 111100Z 1112/1218 10005KT 8000 SCT018 BECMG 1201/1203 30012KT

## Frequencies

REC - 126.25 MHz - ATIS	GND - 121.60 MHz - HASANUDDIN GROUND
TWR - 118.10 MHz - SULTAN HASANUDDIN TOWER	TWR - 118.60 MHz - SULTAN HASANUDDIN TOWER
APP - 119.40 MHz - MAKASSAR DIRECT	APP - 120.60 MHz - MAKASSAR DIRECT
APP - 123.80 MHz - MAKASSAR RADAR	APP - 127.50 MHz - MAKASSAR RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03	147 ft	10,213 ft	29.87	ASPHALT	0 ft	0 ft
	45 m	3,113 m	29.62		0 m	0 m
21	147 ft	10,213 ft	209.87	ASPHALT	0 ft	0 ft
	45 m	3,113 m	209.62		0 m	0 m
13	147 ft	8,206 ft	130.68	ASPHALT	0 ft	0 ft
	45 m	2,501 m	130.42		0 m	0 m
31	147 ft	8,206 ft	310.68	ASPHALT	0 ft	0 ft
	45 m	2,501 m	310.42		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13	DME	IUPG	111.30 MHz	18 nm	-	-	36 ft
				33 km	-		36 m
31	DME	IMKS	111.30 MHz	18 nm	-	-	36 ft
				33 km	-		36 m
13	LOC-ILS	IUPG	111.30 MHz	18 nm	130.74	-	46 ft
				33 km	130.48		46 m
03	LOC-ILS	IUJP	110.50 MHz	18 nm	29.90	-	46 ft
				33 km	29.64		46 m
21	LOC-ILS	IMAK	110.10 MHz	18 nm	209.90	-	46 ft
				33 km	209.64		46 m
13	GS	IUPG	111.30 MHz	10 nm	130.74	2.90	46 ft
				19 km	130.48		46 m
03	GS	IUJP	110.50 MHz	10 nm	29.90	3.00	46 ft
				19 km	29.64		46 m
21	GS	IMAK	110.10 MHz	10 nm	209.90	3.00	46 ft
				19 km	209.64		46 m

## OEMA

Region: SAUDI ARABIA  
Timezone: ASIA/RIYADH  
Runways: 2

Elevation: 2,134 ft / 650 m  
Location: 24.553500 39.705200  
Magnetic Var: 4.139 E

## METAR

OEMA 111400Z 22014KT 9999 BKN040 39/04 Q1011 NOSIG

## TAF

TAF OEMA 111100Z 1112/1218 27015KT 7000 FEW045 TEMPO 1112/1118 VRB25KT 3000 BLDU TSRA FEW035CB SCT045 PROB30 TEMPO

## Frequencies

REC - 126.85 MHz - MADINAH ATIS  
TWR - 118.30 MHz - MADINAH TOWER  
APP - 127.70 MHz - MADINAH APPROACH  
GND - 121.90 MHz - MADINAH GROUND  
APP - 125.10 MHz - MADINAH APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	194 ft	14,285 ft	169.11	ASPHALT	0 ft	407 ft
	59 m	4,354 m	164.97		0 m	124 m
35	194 ft	14,285 ft	349.11	ASPHALT	0 ft	394 ft
	59 m	4,354 m	344.97		0 m	120 m
18	147 ft	10,059 ft	183.79	ASPHALT	0 ft	394 ft
	45 m	3,066 m	179.65		0 m	120 m
36	147 ft	10,059 ft	3.79	ASPHALT	0 ft	394 ft
	45 m	3,066 m	359.65		0 m	120 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	DME	INAH	111.70 MHz	18 nm	-	-	2,151 ft
				33 km	-		2,151 m
35	DME	IDIN	111.30 MHz	18 nm	-	-	2,151 ft
				33 km	-		2,151 m
36	DME	IPMA	110.50 MHz	18 nm	-	-	2,151 ft
				33 km	-		2,151 m
17	LOC-ILS	INAH	111.70 MHz	18 nm	169.00	-	2,151 ft
				33 km	164.86		2,151 m
35	LOC-ILS	IDIN	111.30 MHz	18 nm	348.95	-	2,151 ft
				33 km	344.82		2,151 m
36	LOC-ILS	IPMA	110.50 MHz	18 nm	3.66	-	2,151 ft
				33 km	359.52		2,151 m
17	GS	INAH	111.70 MHz	10 nm	169.77	3.00	2,151 ft
				19 km	165.63		2,151 m
35	GS	IDIN	111.30 MHz	10 nm	349.77	3.00	2,151 ft
				19 km	345.63		2,151 m
36	GS	IPMA	110.50 MHz	10 nm	4.38	3.00	2,151 ft
				19 km	0.24		2,151 m