

# VABB

Mumbai Chhatrapati Shivaji Intl

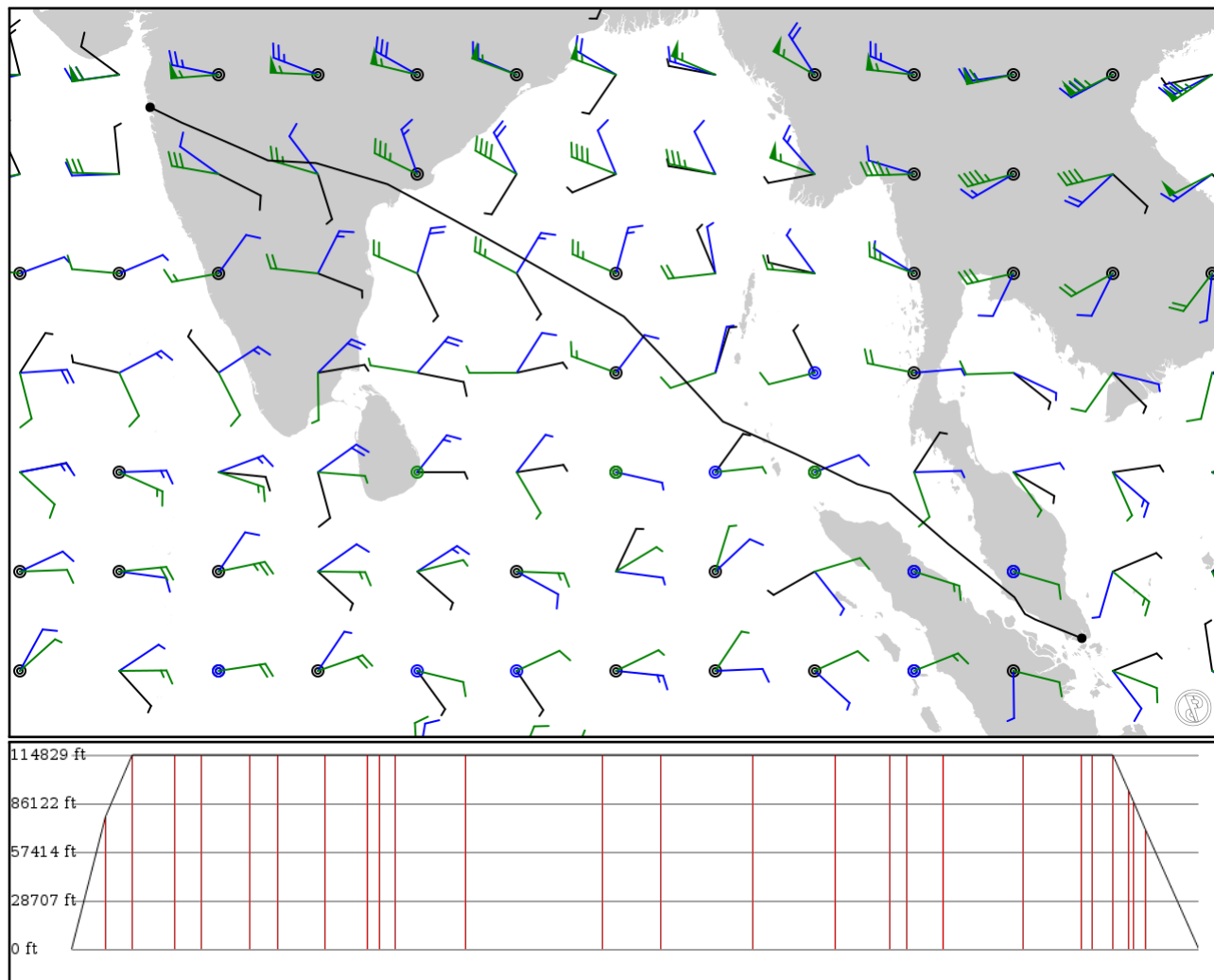
# WSSS

Singapore Changi

2024/06/07 1351Z

VABB PUN **W28** GGB **W18** HIA **L518** SADAP **N877** LAGOG **N571** GUNIP **R467** AGOSA **A457** VKL **A464** OGAKO WSSS

2153.61 nm / 3988.48 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: yes
- Use high airways: yes



## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VABB	-	19.08910	0 ft	-	Mumbai Chhatrapati Shivaji Intl
APT	-	72.86560	0 m		
PUN	-	18.57970	23,900 ft	66	PUNE VOR-DME
DME	-	73.91420	7,285 m		
LUKTI	W28	18.24170	35,000 ft	49	-
FIX	AWY-HI	74.70080	10,668 m		
ATAPO	W28	17.67440	35,000 ft	81	-
FIX	AWY-HI	75.99890	10,668 m		
GGB	W28	17.31360	35,000 ft	50	GULBARGA
VOR	AWY-HI	76.80310	10,668 m		
HIA	W18	17.22780	35,000 ft	92	HYDERABAD
VOR	AWY-HI	78.40580	10,668 m		
EMPUN	L518	16.96390	35,000 ft	53	-
FIX	AWY-HI	79.29750	10,668 m		
BBZ	L518	16.52200	35,000 ft	89	VIJAYAWADA
VOR	AWY-HI	80.79280	10,668 m		
GOPNU	L518	15.85330	35,000 ft	82	-
FIX	AWY-HI	82.04000	10,668 m		
KASRO	L518	15.67500	35,000 ft	21	-
FIX	AWY-HI	82.36670	10,668 m		
SUGAN	L518	15.41670	35,000 ft	31	-
FIX	AWY-HI	82.84580	10,668 m		
EGOLU	L518	14.31610	35,000 ft	132	-
FIX	AWY-HI	84.83110	10,668 m		
SADAP	L518	12.10170	35,000 ft	261	-
FIX	AWY-HI	88.68920	10,668 m		
DOTEN	N877	10.74280	35,000 ft	112	-
FIX	AWY-HI	89.99720	10,668 m		
LAGOG	N877	8.59417	35,000 ft	175	-
FIX	AWY-HI	91.99720	10,668 m		
IGOGU	N571	7.51694	35,000 ft	157	-
FIX	AWY-HI	94.41670	10,668 m		
NILAM	N571	6.75639	35,000 ft	103	-
FIX	AWY-HI	95.97640	10,668 m		
MEKAR	N571	6.50389	35,000 ft	34	-
FIX	AWY-HI	96.49110	10,668 m		
VAMPI	N571	6.18222	35,000 ft	68	-
FIX	AWY-HI	97.58560	10,668 m		
GUNIP	N571	4.49833	35,000 ft	154	-
FIX	AWY-HI	99.53000	10,668 m		
GOBAS	R467	3.35639	35,000 ft	109	-
FIX	AWY-HI	100.95600	10,668 m		
AGOSA	R467	3.14472	35,000 ft	20	-
FIX	AWY-HI	101.21900	10,668 m		
VKL	A457	2.72444	35,000 ft	40	KUALA LUMPUR
VOR	AWY-HI	101.73800	10,668 m		
DUMOK	A464	2.29917	28,600 ft	30	-
FIX	AWY-HI	102.00400	8,717 m		
BATAR	A464	2.16667	26,600 ft	9	-
FIX	AWY-HI	102.08700	8,108 m		
OGAKO	A464	1.98056	21,500 ft	23	-
FIX	AWY-HI	102.43600	6,553 m		
WSSS	-	1.35561	0 ft	100	Singapore Changi
APT	-	103.98800	0 m		

## VABB

Region: INDIA  
Timezone: ASIA/KOLKATA  
Runways: 2

Elevation: 39 ft / 12 m  
Location: 19.089100 72.865600  
Magnetic Var: 0.262 E

## METAR

VABB 071330Z 27010KT 3500 HZ SCT020 SCT025 BKN100 31/27 Q1004 NOSIG

## TAF

TAF VABB 071100Z 0712/0818 28010KT 4000 HZ FU FEW020 SCT025 BECMG 0715/0717 25007KT 3000 BR HZ SCT020 SCT025 TEMPO

## Frequencies

REC - 126.40 MHz - MUMBAI INFORMATION	GND - 121.75 MHz - MUMBAI GROUND
GND - 121.85 MHz - MUMBAI GROUND	GND - 121.90 MHz - MUMBAI GROUND
TWR - 118.10 MHz - MUMBAI TOWER	TWR - 122.50 MHz - MUMBAI TOWER
APP - 119.30 MHz - MUMBAI APPROACH	APP - 120.35 MHz - MUMBAI APPROACH
APP - 127.90 MHz - MUMBAI APPROACH	APP - 120.50 MHz - MUMBAI RADAR
APP - 125.35 MHz - MUMBAI RADAR	APP - 132.70 MHz - MUMBAI RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	197 ft	11,297 ft	89.15	ASPHALT	466 ft	0 ft
	60 m	3,443 m	88.89		142 m	0 m
27	197 ft	11,297 ft	269.16	ASPHALT	1,585 ft	135 ft
	60 m	3,443 m	268.90		483 m	41 m
14	150 ft	9,434 ft	134.27	ASPHALT	1,339 ft	203 ft
	46 m	2,875 m	134.01		408 m	62 m
32	150 ft	9,434 ft	314.28	ASPHALT	853 ft	203 ft
	46 m	2,875 m	314.02		260 m	62 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	IBOM	109.50 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
14	DME	IBBY	110.10 MHz	18 nm	-	-	37 ft
				33 km	-		37 m
27	DME	ISCZ	110.30 MHz	18 nm	-	-	37 ft
				33 km	-		37 m
09	LOC-ILS	IBOM	109.50 MHz	18 nm	89.16	-	39 ft
				33 km	88.90		39 m
14	LOC-ILS	IBBY	110.10 MHz	18 nm	134.28	-	39 ft
				33 km	134.02		39 m
27	LOC-ILS	ISCZ	110.30 MHz	18 nm	269.16	-	39 ft
				33 km	268.90		39 m
09	GS	IBOM	109.50 MHz	10 nm	89.16	3.00	39 ft
				19 km	88.90		39 m
14	GS	IBBY	110.10 MHz	10 nm	134.28	3.00	39 ft
				19 km	134.02		39 m
27	GS	ISCZ	110.30 MHz	10 nm	269.16	3.30	39 ft
				19 km	268.90		39 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 071330Z 15004KT 130V190 9999 FEW018 BKN300 29/25 Q1009 NOSIG

## TAF

TAF WSSS 071100Z 0712/0818 19008KT 9999 FEW015 SCT020 TEMPO 0806/0809 3000 TSRA FEW012CB BKN015

## 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