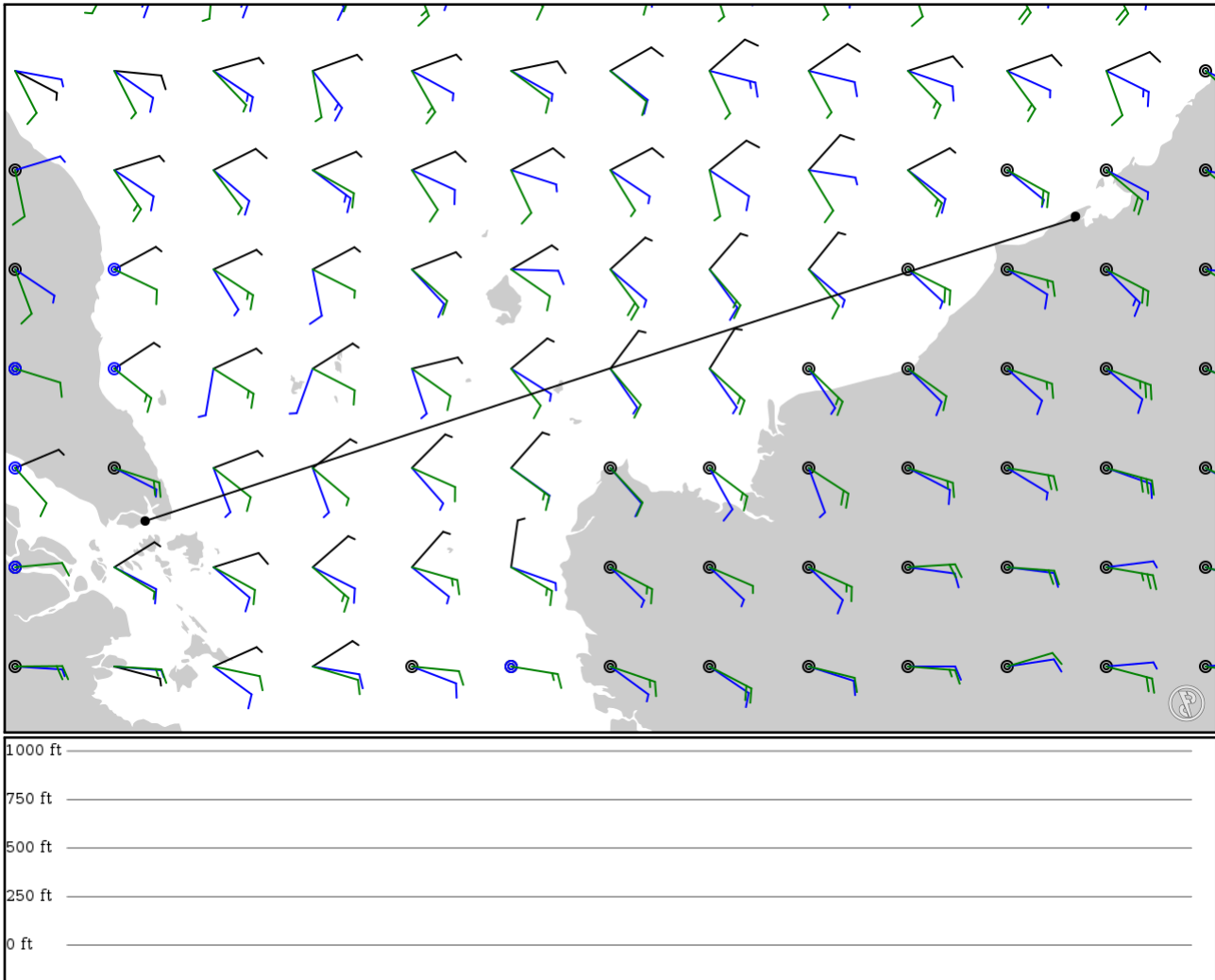


WSSS BR WBSB

690.97 nm / 1279.67 km



Notes

Generated

Route

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|-----|------------|------|--------------|------------|
| WSSS | - | 1.34897 | 0 ft | - | - |
| APT | - | 103.97750 | 0 m | | |
| BR | - | 4.89907 | 0 ft | 688 | BRUNEI NDB |
| NDB | - | 114.90130 | 0 m | | |
| WBSB | - | 4.93001 | 0 ft | 2 | - |
| APT | - | 114.91983 | 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 100200Z 10008KT 020V140 9999 SCT018 FEW020TCU SCT300 31/26 Q1010 NOSIG

TAF

TAF WSSS 092300Z 1000/1106 14008KT 9999 FEW015 SCT020 TEMPO 1006/1009 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 |

WBSB

Region: BRUNEI AND MALAYSIA
Timezone: ASIA/BRUNEI
Runways: 1

Elevation: 73 ft / 22 m
Location: 4.944170 114.928000
Magnetic Var: 0.709 W

METAR

WBSB 100200Z 23003KT 9999 FEW015 FEW016CB BKN300 32/28 Q1010 NOSIG

TAF

TAF TAF WBSB 092300Z 1000/1106 19003KT 9999 FEW014 FEW015CB BECMG 1003/1005 30008KT SCT015 FEW016CB TEMPO 1004/10

Frequencies

REC - 126.80 MHz - ATIS
TWR - 118.70 MHz -
APP - 121.30 MHz - RADAR
GND - 121.90 MHz -
APP - 119.20 MHz - RADAR
APP - 127.10 MHz - RADAR

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 03 | 151 ft | 12,044 ft | 30.90 | ASPHALT | 0 ft | 69 ft |
| | 46 m | 3,671 m | 31.61 | | 0 m | 21 m |
| 21 | 151 ft | 12,044 ft | 210.90 | ASPHALT | 0 ft | 69 ft |
| | 46 m | 3,671 m | 211.61 | | 0 m | 21 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 03 | DME | BE | 108.90 MHz | 18 nm | - | - | 20 ft |
| | | | | 33 km | - | | 20 m |
| 21 | DME | BI | 109.70 MHz | 18 nm | - | - | 73 ft |
| | | | | 33 km | - | | 73 m |
| 03 | LOC-ILS | BE | 108.90 MHz | 18 nm | 30.92 | - | 73 ft |
| | | | | 33 km | 31.63 | | 73 m |
| 21 | LOC-ILS | BI | 109.70 MHz | 18 nm | 210.90 | - | 20 ft |
| | | | | 33 km | 211.60 | | 20 m |
| 03 | GS | BE | 108.90 MHz | 10 nm | 31.80 | 3.00 | 73 ft |
| | | | | 19 km | 32.51 | | 73 m |
| 21 | GS | BI | 109.70 MHz | 10 nm | 211.80 | 3.00 | 73 ft |
| | | | | 19 km | 212.51 | | 73 m |