

WBSB

Brunei Intl

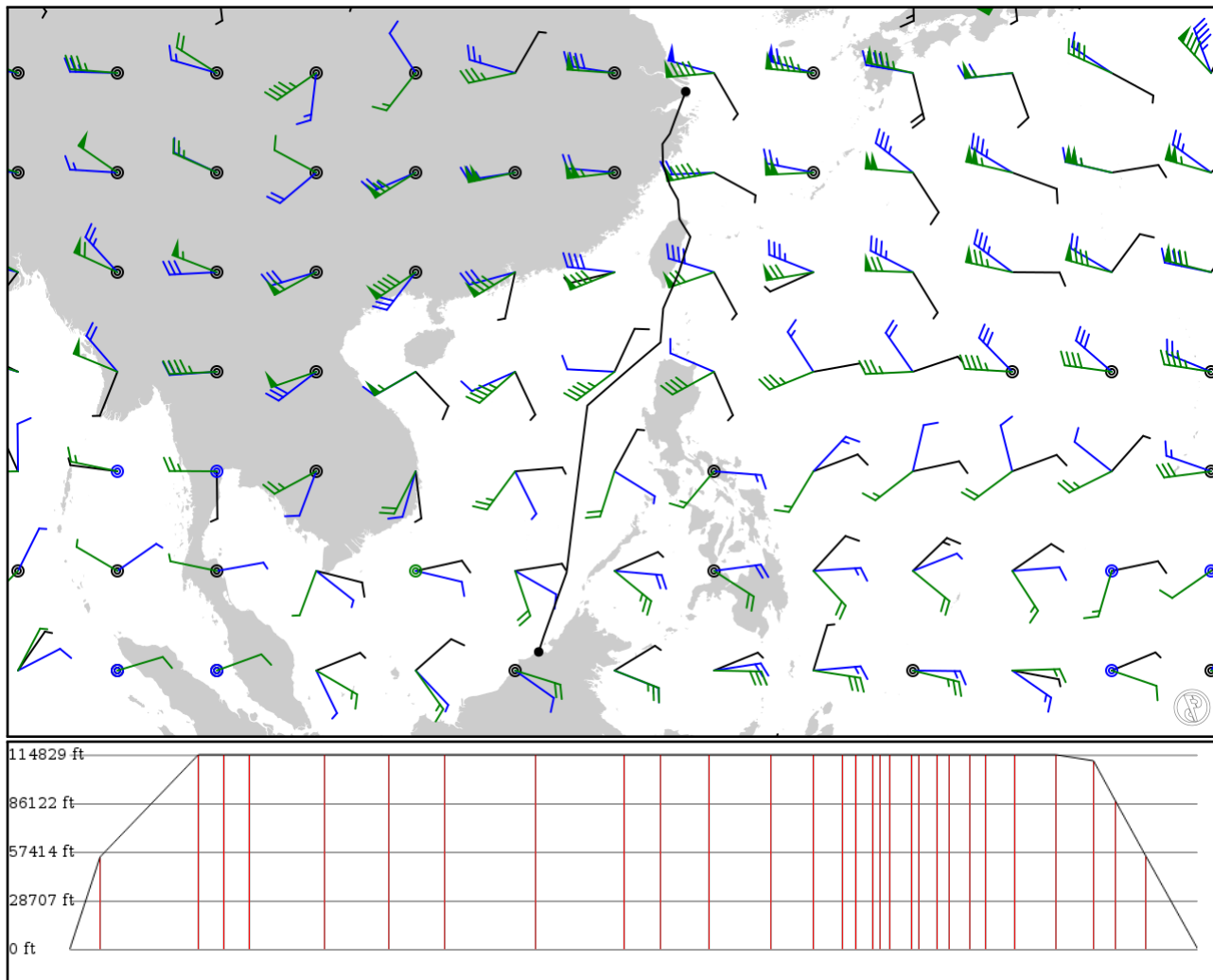
ZSPD

Shanghai Pudong Intl

2024/05/18 0317Z

WBSB VIDIP **M754** AKOTA **L625** ABVAR **M646** POTIB **Q11** GID **B591** JICHI WAGON **B591** APU **W2** GENIE NUDPO **W121**
DST **B221** PAMVU **V74** BK ZSPD

1715.25 nm / 3176.64 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
WBSB	-	4.94417	0 ft	-	Brunei Intl
APT	-	114.92800	0 m		
VIDIP	-	5.68500	16,600 ft	46	-
FIX	-	115.16800	5,060 m		
SUMLA	M754	8.04500	35,000 ft	150	-
FIX	AWY-HI	116.01500	10,668 m		
VINIK	M754	8.64167	35,000 ft	38	-
FIX	AWY-HI	116.23000	10,668 m		
TENON	M754	9.27446	35,000 ft	38	-
FIX	AWY-HI	116.30700	10,668 m		
LULBU	M754	11.16000	35,000 ft	114	-
FIX	AWY-HI	116.53800	10,668 m		
NOBEN	M754	12.78670	35,000 ft	98	-
FIX	AWY-HI	116.74000	10,668 m		
GUKUM	M754	14.19560	35,000 ft	85	-
FIX	AWY-HI	116.91700	10,668 m		
AKOTA	M754	16.46200	35,000 ft	137	-
FIX	AWY-HI	117.20700	10,668 m		
AVMUP	L625	17.99330	35,000 ft	136	-
FIX	AWY-HI	118.95900	10,668 m		
ALDIS	L625	18.59790	35,000 ft	54	-
FIX	AWY-HI	119.66400	10,668 m		
ABVAR	L625	19.41410	35,000 ft	73	-
FIX	AWY-HI	120.62800	10,668 m		
POTIB	M646	21.00000	35,000 ft	95	-
FIX	AWY-HI	120.75800	10,668 m		
PICHU	Q11	21.98940	35,000 ft	64	-
FIX	AWY-HI	121.18700	10,668 m		
GID	Q11	22.67240	35,000 ft	44	LUDAO
VOR	AWY-HI	121.48600	10,668 m		
TACLE	B591	22.99390	35,000 ft	20	-
FIX	AWY-HI	121.58700	10,668 m		
JICHI	B591	23.41030	35,000 ft	26	-
FIX	AWY-HI	121.72300	10,668 m		
WAGON	-	23.58810	35,000 ft	11	-
FIX	-	121.77400	10,668 m		
TITUS	B591	23.81170	35,000 ft	14	-
FIX	AWY-HI	121.85200	10,668 m		
TINHO	B591	24.35250	35,000 ft	33	-
FIX	AWY-HI	122.02900	10,668 m		
WADER	B591	24.50640	35,000 ft	10	-
FIX	AWY-HI	121.93500	10,668 m		
SANAS	B591	24.89690	35,000 ft	26	-
FIX	AWY-HI	121.69200	10,668 m		
APU	B591	25.17690	35,000 ft	19	ANBU (TAIPEI)
VOR	AWY-HI	121.52200	10,668 m		
CAROL	W2	25.69390	35,000 ft	31	-
FIX	AWY-LO	121.48200	10,668 m		
GENIE	W2	26.08530	35,000 ft	23	-
FIX	AWY-LO	121.45100	10,668 m		
NUDPO	-	26.75000	35,000 ft	44	-
FIX	-	121.07200	10,668 m		
DST	W121	27.74830	35,000 ft	62	Dongshan DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
DME	AWY-HI	120.74800	10,668 m		
PAMVU	B221	28.69170	33,900 ft	56	-
FIX	AWY-HI	120.72200	10,333 m		
SUSMU	V74	29.16670	26,700 ft	33	-
FIX	AWY-HI	121.06700	8,138 m		
BK	V74	29.89620	16,800 ft	45	LISHE
NDB	AWY-HI	121.33500	5,121 m		
ZSPD	-	31.14150	0 ft	78	Shanghai Pudong Intl
APT	-	121.81300	0 m		

WBSB

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

Elevation: 73 ft / 22 m
Location: 4.944170 114.928000
Magnetic Var: 0.711 W

METAR

WBSB 180300Z 22003KT 9999 SCT015 FEW016CB BKN300 32/27 Q1009 NOSIG

TAF

TAF WBSB 172300Z 1800/1906 22003KT 9999 FEW014 FEW015CB TEMPO 1803/1806 7000 -SHRA SCT015 FEW016CB BECMG 1804/1806 22003KT 9999 SCT015 FEW016CB BKN300 32/27 Q1009 NOSIG

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	211.61		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

ZSPD

Region: CHINA
Timezone: ASIA/SHANGHAI
Runways: 5

Elevation: 13 ft / 4 m
Location: 31.141500 121.813000
Magnetic Var: 6.480 W

METAR

ZSPD 180300Z 15006MPS 9999 FEW020 27/20 Q1013 NOSIG

TAF

TAF ZSPD 172103Z 1800/1824 13005MPS 8000 BKN020 TX27/1806Z TN17/1821Z

Frequencies

REC - 131.45 MHz - ATIS	REC - 127.85 MHz - ATIS
TWR - 118.40 MHz - PUDONG TOWER	TWR - 118.57 MHz - PUDONG TOWER
TWR - 118.80 MHz - PUDONG TOWER	TWR - 124.35 MHz - PUDONG TOWER
TWR - 118.72 MHz - PUDONG SECONDARY TOWER	TWR - 118.32 MHz - PUDONG SECONDARY TOWER
GND - 121.62 MHz - PUDONG GROUND	GND - 121.80 MHz - PUDONG GROUND
GND - 121.87 MHz - PUDONG GROUND	GND - 121.70 MHz - PUDONG GROUND
GND - 122.70 MHz - PUDONG APRON RAMP/TAXI	GND - 122.60 MHz - PUDONG APRON RAMP/TAXI
GND - 122.65 MHz - PUDONG APRON RAMP/TAXI	GND - 122.97 MHz - PUDONG APRON RAMP/TAXI
CLD - 121.95 MHz - PUDONG CLEARANCE DELIVERY	CLD - 121.67 MHz -
APP - 121.10 MHz - SHANGHAI APPROACH	PUDONG SECONDARY CLEARANCE DELIVERY
APP - 120.30 MHz - SHANGHAI APPROACH	APP - 125.40 MHz - SHANGHAI APPROACH
APP - 125.85 MHz - SHANGHAI APPROACH	APP - 125.62 MHz - SHANGHAI APPROACH
APP - 126.65 MHz - SHANGHAI APPROACH	APP - 126.30 MHz - SHANGHAI APPROACH
APP - 121.37 MHz - SHANGHAI APPROACH	APP - 123.80 MHz - SHANGHAI APPROACH
APP - 120.65 MHz - SHANGHAI SECONDARY APPROACH	APP - 119.75 MHz - SHANGHAI SECONDARY APPROACH
APP - 124.05 MHz - SHANGHAI SECONDARY APPROACH	APP - 128.05 MHz - SHANGHAI SECONDARY APPROACH
	APP - 119.20 MHz - SHANGHAI SECONDARY APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	144 ft	11,192 ft	162.14	CONCRETE	0 ft	197 ft
	44 m	3,411 m	168.62		0 m	60 m
33	144 ft	11,192 ft	342.15	CONCRETE	0 ft	194 ft
	44 m	3,411 m	348.63		0 m	59 m
16L	197 ft	12,505 ft	162.10	CONCRETE	0 ft	0 ft
	60 m	3,812 m	168.58		0 m	0 m
34R	197 ft	12,505 ft	342.11	CONCRETE	0 ft	0 ft
	60 m	3,812 m	348.59		0 m	0 m
16R	197 ft	12,505 ft	162.09	CONCRETE	0 ft	0 ft
	60 m	3,812 m	168.57		0 m	0 m
34L	197 ft	12,505 ft	342.09	CONCRETE	0 ft	0 ft
	60 m	3,812 m	348.57		0 m	0 m
17L	197 ft	13,155 ft	162.08	CONCRETE	0 ft	0 ft
	60 m	4,010 m	168.56		0 m	0 m
35R	197 ft	13,155 ft	342.08	CONCRETE	0 ft	0 ft
	60 m	4,010 m	348.57		0 m	0 m
17R	197 ft	11,183 ft	162.08	CONCRETE	0 ft	0 ft
	60 m	3,409 m	168.56		0 m	0 m
35L	197 ft	11,183 ft	342.09	CONCRETE	0 ft	0 ft
	60 m	3,409 m	348.57		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16R	DME	IZZ	108.70 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
17L	DME	IPD	110.70 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
34L	DME	IDD	108.30 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
16L	LOC-ILS	IHL	111.50 MHz	18 nm	162.11	-	13 ft
				33 km	168.59		13 m
16R	LOC-ILS	IZZ	108.70 MHz	18 nm	162.09	-	13 ft
				33 km	168.57		13 m
17L	LOC-ILS	IPD	110.70 MHz	18 nm	162.08	-	13 ft
				33 km	168.56		13 m
17R	LOC-ILS	IKM	111.10 MHz	18 nm	162.09	-	13 ft
				33 km	168.57		13 m
34L	LOC-ILS	IDD	108.30 MHz	18 nm	342.09	-	13 ft
				33 km	348.57		13 m
34R	LOC-ILS	IPR	108.90 MHz	18 nm	342.11	-	13 ft
				33 km	348.59		13 m
35L	LOC-ILS	IBD	108.10 MHz	18 nm	342.09	-	13 ft
				33 km	348.57		13 m
35R	LOC-ILS	INN	111.90 MHz	18 nm	342.08	-	13 ft
				33 km	348.56		13 m
16L	GS	IHL	111.50 MHz	10 nm	162.11	3.00	13 ft
				19 km	168.59		13 m
16R	GS	IZZ	108.70 MHz	10 nm	162.09	3.00	13 ft
				19 km	168.57		13 m
17L	GS	IPD	110.70 MHz	10 nm	162.08	3.00	13 ft
				19 km	168.56		13 m
17R	GS	IKM	111.10 MHz	10 nm	162.09	3.00	13 ft
				19 km	168.57		13 m
34L	GS	IDD	108.30 MHz	10 nm	342.09	3.00	13 ft
				19 km	348.57		13 m
34R	GS	IPR	108.90 MHz	10 nm	342.11	3.00	13 ft
				19 km	348.59		13 m
35L	GS	IBD	108.10 MHz	10 nm	342.09	3.00	13 ft
				19 km	348.57		13 m
35R	GS	INN	111.90 MHz	10 nm	342.08	3.00	13 ft
				19 km	348.56		13 m