

# YMML

Melbourne Intl

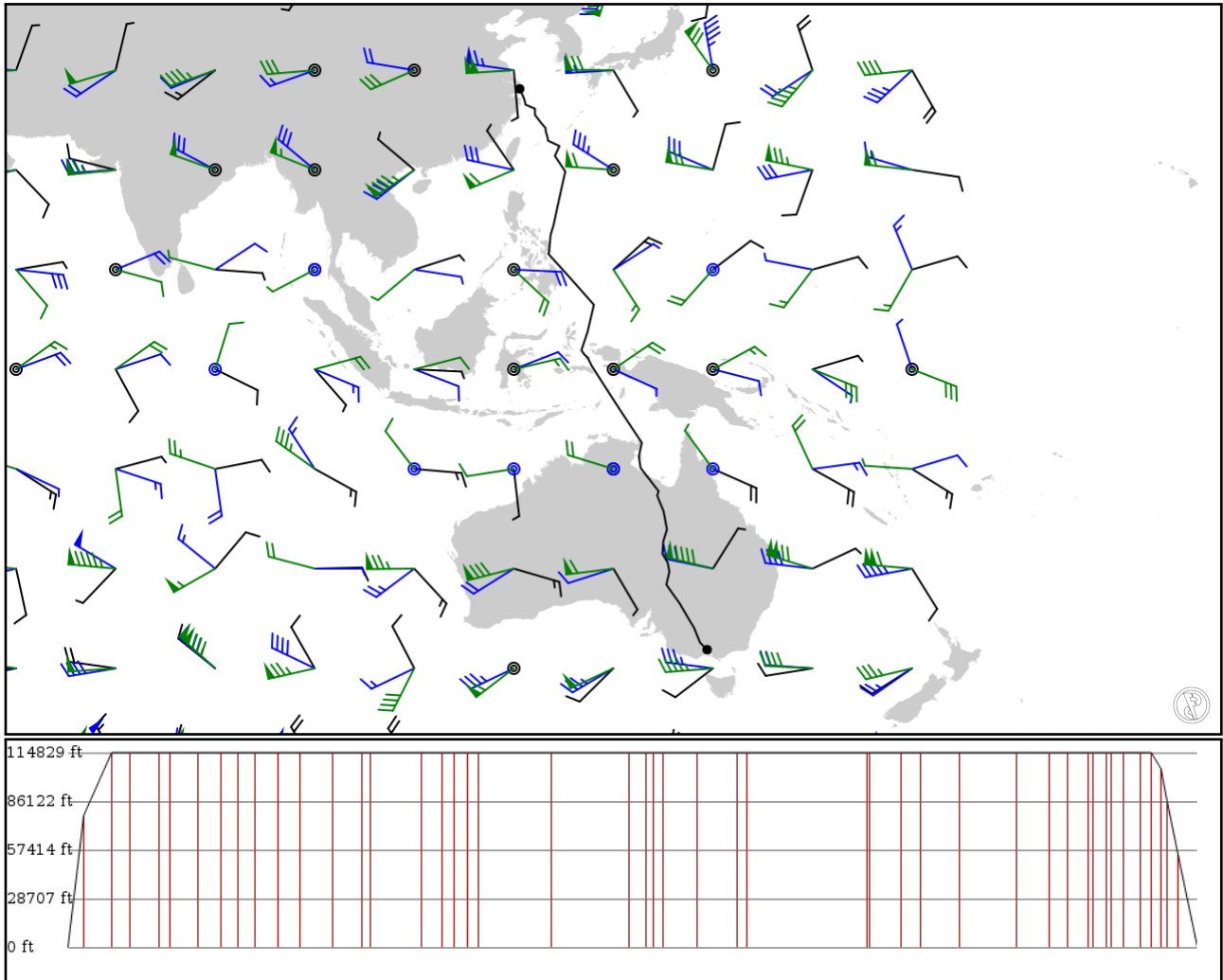
# ZSPD

Shanghai Pudong Intl

2024/06/07 0532Z

YMML KEPPA **UH336** NATYA **J19** BHI **T25** GUGAB **H246** OOM 2700S14000E BDV **Z13** BOU **W349** MA MA **W879** KAKTU  
RUVAP **R340** EGORE GTE **W596** GV **B472** TIRAM PENNY APASI XB472 **A339** POXEL **B462** SADOK BARAS TODEK **G578**  
GURAG NIMOX **A582** SAKON **R595** MJC YUZKI 2600N12500E ENTOK MAMOD DUBAN **B591** KASKA 2900N12300E TOGUG  
**W13** HSN ZSPD

4696.79 nm / 8698.46 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
YMML	-	-37.66550	0 ft	-	Melbourne Intl
APT	-	144.83700	0 m		
KEPPA	-	-36.79660	23,700 ft	66	-
FIX	-	143.97600	7,224 m		
NATYA	UH336	-34.96890	35,000 ft	115	-
FIX	AWY-HI	143.23300	10,668 m		
UVUPU	J19	-33.84230	35,000 ft	75	-
FIX	AWY-HI	142.54900	10,668 m		
BHI	J19	-32.00070	35,000 ft	123	BROKEN HILL
VOR	AWY-HI	141.48000	10,668 m		
SAPED	T25	-31.35200	35,000 ft	45	-
FIX	AWY-HI	141.00700	10,668 m		
GUGAB	T25	-29.68520	35,000 ft	117	-
FIX	AWY-HI	139.83300	10,668 m		
OOM	H246	-28.10430	35,000 ft	96	MOOMBA
NDB	AWY-HI	140.19900	10,668 m		
2700S14000E	-	-27.00000	35,000 ft	67	-
LATLON	-	140.00000	10,668 m		
BDV	-	-25.89630	35,000 ft	74	BIRDSVILLE
NDB	-	139.35300	10,668 m		
YBIE	Z13	-24.34610	35,000 ft	93	-
FIX	AWY-LO	139.46000	10,668 m		
BOU	Z13	-22.91470	35,000 ft	89	BOULIA
NDB	AWY-LO	139.90700	10,668 m		
MA	W349	-20.66670	35,000 ft	137	MOUNT ISA VOR-DME
DME	AWY-LO	139.48900	10,668 m		
MA	-	-20.66470	35,000 ft	0	MOUNT ISA
VOR	-	139.48600	10,668 m		
KAKTU	W879	-18.75390	35,000 ft	122	-
FIX	AWY-LO	138.70300	10,668 m		
RUVP	-	-18.22240	35,000 ft	33	-
FIX	-	138.88300	10,668 m		
EGORE	R340	-15.36390	35,000 ft	213	-
FIX	AWY-HI	136.66800	10,668 m		
GTE	-	-13.97510	35,000 ft	84	GROOTE EYLANDT
NDB	-	136.45500	10,668 m		
KELVN	W596	-13.15670	35,000 ft	50	-
FIX	AWY-LO	136.62800	10,668 m		
GV	W596	-12.26500	35,000 ft	54	GOVE
VOR	AWY-LO	136.81600	10,668 m		
IDELU	B472	-11.59590	35,000 ft	48	-
FIX	AWY-HI	136.36300	10,668 m		
TOREX	B472	-7.40000	35,000 ft	300	-
FIX	AWY-HI	133.59200	10,668 m		
TIRAM	B472	-2.85165	35,000 ft	324	-
FIX	AWY-HI	130.66600	10,668 m		
PENNY	-	-1.81072	35,000 ft	69	-
FIX	-	130.15600	10,668 m		
APASI	-	-1.44594	35,000 ft	33	-
FIX	-	129.74300	10,668 m		
XB472	-	-0.92667	35,000 ft	37	-
FIX	-	129.39700	10,668 m		
DOTIR	A339	1.34533	35,000 ft	143	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	130.15900	10,668 m		
BOLUG	A339	4.00000	35,000 ft	163	-
FIX	AWY-HI	130.77700	10,668 m		
POXEL	A339	4.65252	35,000 ft	40	-
FIX	AWY-HI	130.92700	10,668 m		
SADOK	B462	10.92200	35,000 ft	503	-
FIX	AWY-HI	125.31100	10,668 m		
BARAS	-	11.07830	35,000 ft	11	-
FIX	-	125.42000	10,668 m		
TODEK	-	13.22600	35,000 ft	129	-
FIX	-	125.61400	10,668 m		
DILIS	G578	14.51860	35,000 ft	80	-
FIX	AWY-HI	126.00100	10,668 m		
OMDOB	G578	17.11810	35,000 ft	159	-
FIX	AWY-HI	126.55100	10,668 m		
GURAG	G578	21.00000	35,000 ft	238	-
FIX	AWY-HI	127.41700	10,668 m		
NIMOX	-	22.91120	35,000 ft	135	-
FIX	-	126.14000	10,668 m		
SAKON	A582	24.12090	35,000 ft	78	-
FIX	AWY-HI	126.69800	10,668 m		
MJC	R595	24.77740	35,000 ft	86	MIYAKOJIMA
VOR	AWY-HI	125.29300	10,668 m		
YUZKI	-	25.10190	35,000 ft	19	-
FIX	-	125.25100	10,668 m		
2600N12500E	-	26.00000	35,000 ft	55	-
LATLON	-	125.00000	10,668 m		
ENTOK	-	26.32070	35,000 ft	19	-
FIX	-	124.99800	10,668 m		
MAMOD	-	26.97810	35,000 ft	49	-
FIX	-	124.42900	10,668 m		
DUBAN	-	27.93830	35,000 ft	69	-
FIX	-	123.69400	10,668 m		
EMRET	B591	28.00220	35,000 ft	3	-
FIX	AWY-HI	123.69400	10,668 m		
KASKA	B591	28.69920	35,000 ft	41	-
FIX	AWY-HI	123.69400	10,668 m		
2900N12300E	-	29.00000	32,100 ft	40	-
LATLON	-	123.00000	9,784 m		
TOGUG	-	29.20000	26,300 ft	27	-
FIX	-	122.53300	8,016 m		
HSN	W13	29.93170	16,700 ft	44	ZHOUSHAN
VOR	AWY-HI	122.36300	5,090 m		
ZSPD	-	31.14150	0 ft	78	Shanghai Pudong Intl
APT	-	121.81300	0 m		

## YMML

Region: AUSTRALIA  
Timezone: AUSTRALIA/MELBOURNE  
Runways: 2

Elevation: 433 ft / 132 m  
Location: -37.665500 144.837000  
Magnetic Var: 11.563 E

## METAR

UNKNOWN

## TAF

TAF YMML 070205Z 0702/0806 17010KT 9999 BKN025 FM070900 18006KT 9999 FEW025 FM071400 21006KT 9999 SCT006 BECMG 07

## Frequencies

REC - 132.67 MHz - YMML ATIS  
GND - 121.70 MHz - MELBOURNE GND  
APP - 132.00 MHz - MELBOURNE APP

CLD - 127.20 MHz - MELBOURNE INTL CLD  
TWR - 120.50 MHz - MELBOURNE TWR  
DEP - 118.90 MHz - MELBOURNE DEP

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	148 ft	7,513 ft	94.00	ASPHALT	0 ft	197 ft
	45 m	2,290 m	82.44		0 m	60 m
27	148 ft	7,513 ft	273.98	ASPHALT	0 ft	174 ft
	45 m	2,290 m	262.42		0 m	53 m
16	155 ft	12,012 ft	171.60	ASPHALT	0 ft	200 ft
	47 m	3,661 m	160.04		0 m	61 m
34	155 ft	12,012 ft	351.60	ASPHALT	0 ft	200 ft
	47 m	3,661 m	340.04		0 m	61 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16	LOC-ILS	IMS	109.70 MHz	18 nm	171.60	-	433 ft
				33 km	160.04		433 m
27	LOC-ILS	IMW	109.30 MHz	18 nm	273.99	-	433 ft
				33 km	262.43		433 m
16	GS	IMS	109.70 MHz	10 nm	171.60	3.00	433 ft
				19 km	160.04		433 m
27	GS	IMW	109.30 MHz	10 nm	273.99	3.00	433 ft
				19 km	262.43		433 m

## ZSPD

Region: CHINA  
Timezone: ASIA/SHANGHAI  
Runways: 5

Elevation: 13 ft / 4 m  
Location: 31.141500 121.813000  
Magnetic Var: 6.484 W

## METAR

ZSPD 070500Z 12005MPS 9999 SCT020 24/18 Q1011 NOSIG

## TAF

TAF ZSPD 062105Z 0700/0806 14004MPS 6000 BKN015 TX26/0706Z TX28/0806Z TN18/0721Z BECMG 0717/0719 36004MPS

## 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	168.63		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	168.59		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	348.58		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	168.57		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