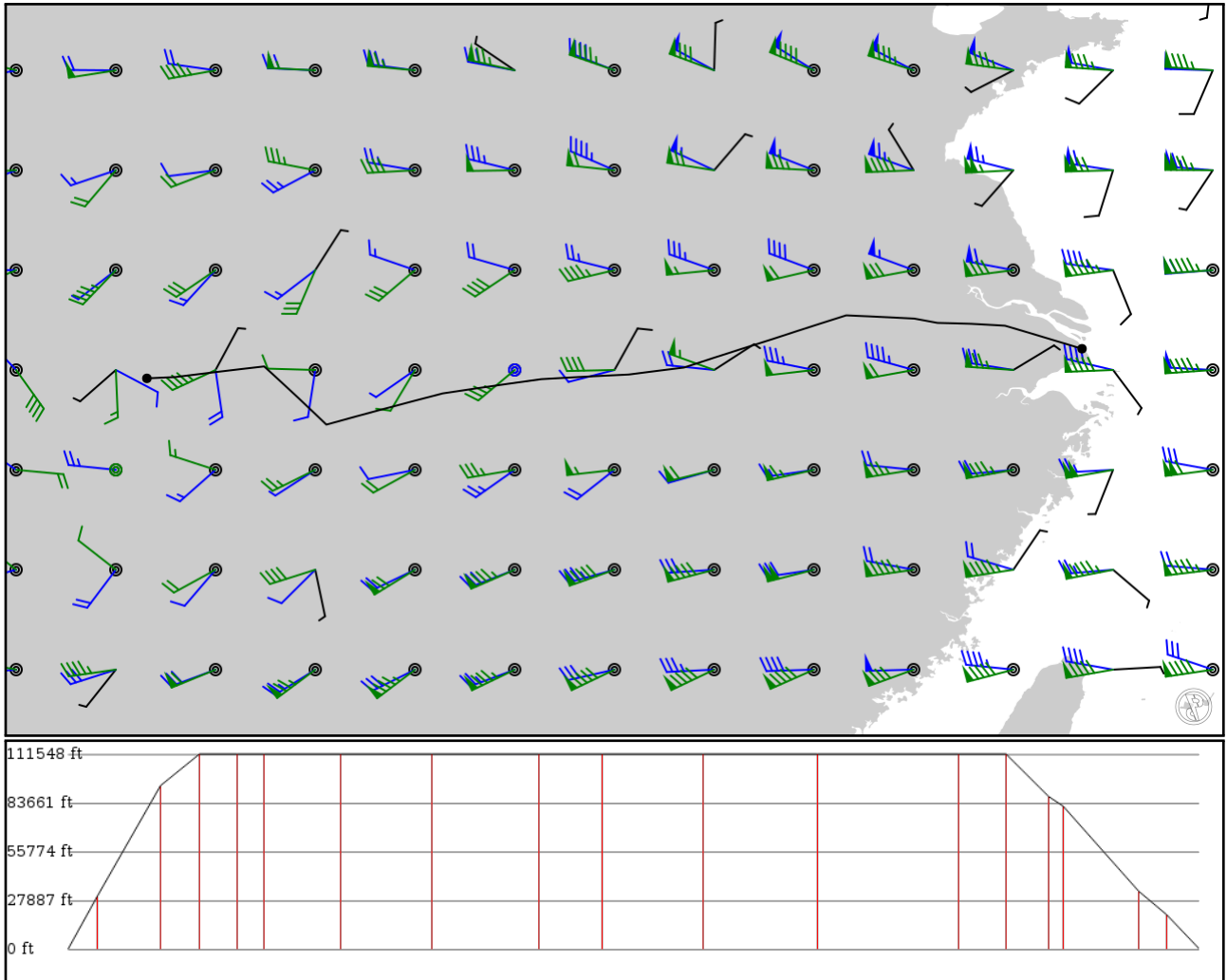


2024/05/13 0138Z

ZSPD PKNB **3E102** VMB **R343** WHA **W31** WFX ZUUU

974.17 nm / 1804.16 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
ZSPD APT	-	31.14343 121.80509	0 ft 0 m	-	PUDONG
PKNB APT	-	31.28667 121.33000	9,200 ft 2,804 m	25	-
VMB VOR	3E102 AWY-LO	31.58333 120.33333	28,500 ft 8,687 m	54	WUXI VOR-DME
ESBAG FIX	R343 AWY-HI	31.62000 119.67667	34,000 ft 10,363 m	33	-
GS NDB	R343 AWY-HI	31.63667 119.04333	34,000 ft 10,363 m	32	LISHUI NDB
MADUK FIX	R343 AWY-HI	31.71833 118.60500	34,000 ft 10,363 m	22	-
HFE VOR	R343 AWY-HI	31.78000 117.30167	34,000 ft 10,363 m	66	HEFEI VOR-DME
MIDOX FIX	R343 AWY-HI	31.32333 115.88167	34,000 ft 10,363 m	77	-
WHA VOR	R343 AWY-HI	30.78500 114.20500	34,000 ft 10,363 m	92	TIANHE VOR-DME
HZ NDB	W31 AWY-HI	30.65167 113.15167	34,000 ft 10,363 m	54	TIANMEN NDB
YIH VOR	W31 AWY-HI	30.56333 111.47833	34,000 ft 10,363 m	86	SANXIA VOR-DME
ENH VOR	W31 AWY-HI	30.29167 109.59833	34,000 ft 10,363 m	98	ENSHI VOR-DME
FLG VOR	W31 AWY-HI	29.69667 107.37500	34,000 ft 10,363 m	121	FULING VOR-DME
DS NDB	W31 AWY-HI	30.20000 106.84500	34,000 ft 10,363 m	40	HELIUSHUI NDB
ANSAR FIX	W31 AWY-HI	30.65333 106.35500	26,600 ft 8,108 m	37	-
GAO VOR	W31 AWY-HI	30.80667 106.18667	24,900 ft 7,590 m	12	NANCHONG VOR-DME
TEBUN FIX	W31 AWY-LO	30.66000 104.94833	10,100 ft 3,078 m	64	-
WFX VOR	W31 AWY-LO	30.60333 104.49167	6,000 ft 1,829 m	23	WUFENGXI VOR-DME
ZUUU APT	-	30.57853 103.94709	0 ft 0 m	28	SHUANGLIU

## ZSPD

Region: CHINA  
Timezone: ASIA/SHANGHAI  
Runways: 5

Elevation: 13 ft / 4 m  
Location: 31.141500 121.813000  
Magnetic Var: 6.479 W

## METAR

ZSPD 130100Z 36003MPS CAVOK 23/06 Q1018 NOSIG

## TAF

TAF ZSPD 122102Z 1300/1324 36004MPS 6000 BKN020 TX24/1306Z TN14/1321Z BECMG 1306/1308 13004MPS

## 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	168.56		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	348.56		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

## ZUUU

Region: CHINA  
Timezone: ASIA/CHONGQING  
Runways: 2

Elevation: 1,680 ft / 512 m  
Location: 30.556500 103.945000  
Magnetic Var: 2.090 W

## METAR

ZUUU 130100Z 22002MPS 190V270 CAVOK 22/16 Q1019 NOSIG

## TAF

TAF ZUUU 122104Z 1300/1324 22003MPS 6000 SCT050 TX29/1307Z TN17/1322Z

## Frequencies

REC - 126.45 MHz - ATIS	REC - 128.60 MHz - ATIS
CLD - 121.60 MHz - CHENGDU DELIVERY	GND - 121.85 MHz - CHENGDU GROUND
GND - 121.75 MHz - CHENGDU GROUND	GND - 121.70 MHz - CHENGDU GROUND
GND - 121.90 MHz - SHUANGLIU APRON	GND - 121.80 MHz - SHUANGLIU APRON
GND - 121.65 MHz - SHUANGLIU APRON	TWR - 123.00 MHz - CHENGDU TOWER
TWR - 130.35 MHz - CHENGDU TOWER	TWR - 118.85 MHz - CHENGDU TOWER
APP - 124.85 MHz - CHENGDU APPROACH	APP - 119.70 MHz - CHENGDU APPROACH
APP - 119.25 MHz - CHENGDU APPROACH	APP - 124.75 MHz - CHENGDU APPROACH
APP - 119.42 MHz - CHENGDU APPROACH	APP - 127.70 MHz - CHENGDU APPROACH
APP - 125.25 MHz - CHENGDU APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02R	197 ft	11,848 ft	21.83	CONCRETE	0 ft	394 ft
	60 m	3,611 m	23.92		0 m	120 m
20L	197 ft	11,848 ft	201.83	CONCRETE	0 ft	394 ft
	60 m	3,611 m	203.92		0 m	120 m
02L	148 ft	11,839 ft	21.84	ASPHALT	0 ft	197 ft
	45 m	3,609 m	23.93		0 m	60 m
20R	148 ft	11,839 ft	201.84	ASPHALT	0 ft	200 ft
	45 m	3,609 m	203.93		0 m	61 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02L	LOC-ILS	IZW	111.10 MHz	18 nm	21.85	-	1,681 ft
				33 km	23.94		1,681 m
02R	LOC-ILS	ICR	108.70 MHz	18 nm	21.86	-	1,681 ft
				33 km	23.95		1,681 m
20L	LOC-ILS	IDE	109.70 MHz	18 nm	201.86	-	1,681 ft
				33 km	203.95		1,681 m
20R	LOC-ILS	IAA	109.10 MHz	18 nm	201.85	-	1,681 ft
				33 km	203.94		1,681 m
02L	GS	IZW	111.10 MHz	10 nm	21.85	3.00	1,681 ft
				19 km	23.94		1,681 m
02R	GS	ICR	108.70 MHz	10 nm	21.86	3.00	1,681 ft
				19 km	23.95		1,681 m
20L	GS	IDE	109.70 MHz	10 nm	201.86	3.00	1,681 ft
				19 km	203.95		1,681 m
20R	GS	IAA	109.10 MHz	10 nm	201.85	3.00	1,681 ft
				19 km	203.94		1,681 m