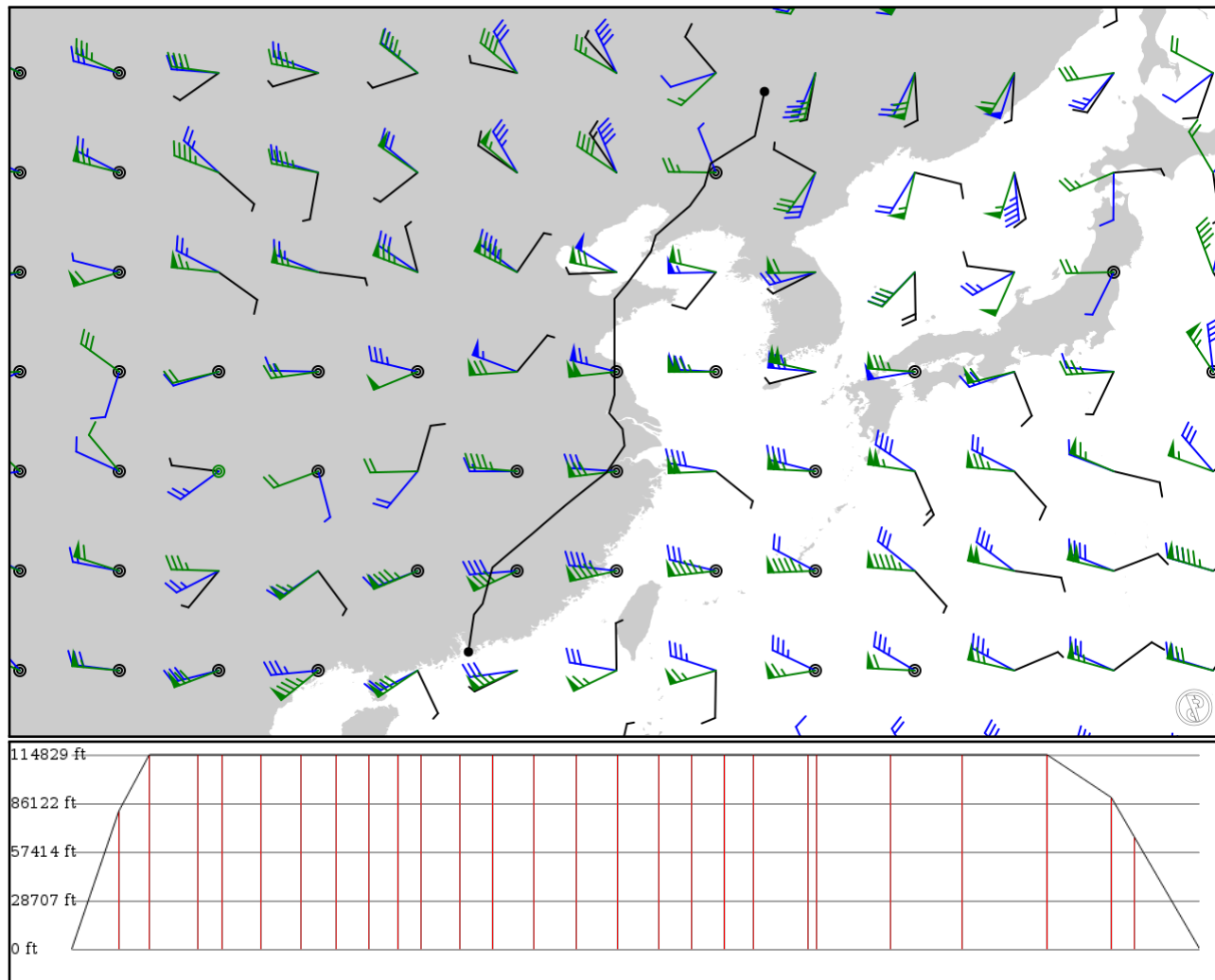


2024/04/28 0442Z

ZYHB ISBOP **A588** DLC **W5** MAKNO HCH 3700N12000E 3600N12000E 3500N12000E 3400N12000E 3300N12000E
PIMOL **A593** VMB SX **A599** KOW **W19** BILAT VHHH

1633.15 nm / 3024.59 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
ZYHB	-	45.62340	0 ft	-	TAIPING
APT	-	126.25033	0 m		
ISBOP	-	44.47500	24,900 ft	69	-
FIX	-	126.00333	7,590 m		
LJB	A588	43.77333	35,000 ft	42	WANCHANG VOR-DME
VOR	AWY-LO	125.85167	10,668 m		
ATVIM	A588	43.01500	35,000 ft	70	-
FIX	AWY-LO	124.62167	10,668 m		
KYU	A588	42.63333	35,000 ft	35	KAIYUAN VOR-DME
VOR	AWY-LO	124.00833	10,668 m		
KY	A588	41.70500	35,000 ft	56	WANGBINGOU NDB
NDB	AWY-LO	123.74667	10,668 m		
LCH	A588	40.86167	35,000 ft	57	LONGCHANG VOR-DME
VOR	AWY-LO	123.13333	10,668 m		
MUPAM	A588	40.22167	35,000 ft	51	-
FIX	AWY-LO	122.38500	10,668 m		
BM	A588	39.64000	35,000 ft	46	WAFANGDIAN NDB
NDB	AWY-LO	121.72167	10,668 m		
DLC	A588	38.96000	35,000 ft	41	DALIAN VOR-DME
VOR	AWY-LO	121.51333	10,668 m		
MAKNO	W5	38.46333	35,000 ft	34	-
FIX	AWY-LO	121.14833	10,668 m		
HCH	-	37.65500	35,000 ft	56	HUANGCHENG VOR-DME
VOR	-	120.54500	10,668 m		
3700N12000E	-	37.00000	35,000 ft	47	-
LATLON	-	120.00000	10,668 m		
3600N12000E	-	36.00000	35,000 ft	60	-
LATLON	-	120.00000	10,668 m		
3500N12000E	-	35.00000	35,000 ft	60	-
LATLON	-	120.00000	10,668 m		
3400N12000E	-	34.00000	35,000 ft	60	-
LATLON	-	120.00000	10,668 m		
3300N12000E	-	33.00000	35,000 ft	60	-
LATLON	-	120.00000	10,668 m		
PIMOL	-	32.24667	35,000 ft	46	-
FIX	-	119.77833	10,668 m		
VMB	A593	31.58333	35,000 ft	48	WUXI VOR-DME
VOR	AWY-LO	120.33333	10,668 m		
SX	-	30.88333	35,000 ft	42	NANXUN NDB
NDB	-	120.41667	10,668 m		
TOL	A599	29.76333	35,000 ft	77	TONGLU VOR-DME
VOR	AWY-LO	119.65833	10,668 m		
ELNEX	A599	29.63167	35,000 ft	11	-
FIX	AWY-LO	119.49000	10,668 m		
SHR	A599	28.41667	35,000 ft	108	SHANGRAO VOR-DME
VOR	AWY-LO	117.96667	10,668 m		
NF	A599	27.21667	35,000 ft	103	NANFENG NDB
NDB	AWY-LO	116.56667	10,668 m		
KOW	A599	25.82167	35,000 ft	122	GANZHOU VOR-DME
VOR	AWY-LO	114.91500	10,668 m		
MABAG	W19	24.31333	27,300 ft	93	-
FIX	AWY-LO	114.50667	8,321 m		
BILAT	W19	23.86833	20,200 ft	33	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	114.14667	6,157 m		
VHHH	-	22.30899	0 ft	94	Hong Kong Intl
APT	-	113.91461	0 m		

ZYHB

Region: CHINA
Timezone: ASIA/HARBIN
Runways: 1

Elevation: 456 ft / 139 m
Location: 45.623500 126.250000
Magnetic Var: 11.048 W

METAR

ZYHB 280400Z 35005MPS CAVOK 12/M09 Q1021 NOSIG

TAF

UNKNOWN

Frequencies

REC - 127.40 MHz - ATIS
GND - 121.85 MHz - HARBIN GROUND

TWR - 118.70 MHz - HARBIN TOWER
TWR - 119.65 MHz - HARBIN APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	148 ft	10,488 ft	39.33	ASPHALT	0 ft	197 ft
	45 m	3,197 m	50.38		0 m	60 m
23	148 ft	10,488 ft	219.35	ASPHALT	0 ft	200 ft
	45 m	3,197 m	230.40		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	LOC-ILS	ILL	110.30 MHz	18 nm	39.26	-	456 ft
				33 km	50.31		456 m
23	LOC-ILS	IMJ	109.90 MHz	18 nm	219.23	-	456 ft
				33 km	230.28		456 m
05	GS	ILL	110.30 MHz	10 nm	39.58	3.00	456 ft
				19 km	50.63		456 m
23	GS	IMJ	109.90 MHz	10 nm	219.58	3.00	456 ft
				19 km	230.63		456 m

VHHH

Region: HONG KONG
Timezone: UNKNOWN
Runways: 2

Elevation: 27 ft / 8 m
Location: 22.308900 113.915000
Magnetic Var: 3.235 W

METAR

VHHH 280430Z 10016KT 9999 -SHRA FEW012 SCT025 26/22 Q1009 NOSIG

TAF

TAF VHHH 280200Z 2803/2909 12015KT 9999 FEW010 SCT025 TX30/2806Z TX31/2906Z TN27/2822Z TEMPO 2803/2806 VRB22G35K

Frequencies

REC - 128.20 MHz - D-ATIS	REC - 127.05 MHz - D-ATIS
GND - 121.60 MHz - HONG KONG GROUND	GND - 122.55 MHz - HONG KONG GROUND
GND - 121.87 MHz - HONG KONG GROUND	TWR - 118.20 MHz - HONG KONG TOWER
TWR - 118.40 MHz - HONG KONG TOWER	TWR - 118.70 MHz - HONG KONG TOWER
CLD - 124.65 MHz - HONG KONG CLEARANCE DELIVERY	CLD - 129.90 MHz - HONG KONG CLEARANCE DELIVERY
DEP - 122.00 MHz - HONG KONG DEPARTURE	DEP - 123.80 MHz - HONG KONG DEPARTURE
DEP - 124.05 MHz - HONG KONG DEPARTURE	APP - 119.10 MHz - HONG KONG APPROACH
APP - 119.35 MHz - HONG KONG APPROACH	APP - 119.55 MHz - HONG KONG DIRECT

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	197 ft	12,462 ft	70.77	ASPHALT	554 ft	974 ft
	60 m	3,799 m	74.01		169 m	297 m
25R	197 ft	12,462 ft	250.79	ASPHALT	571 ft	978 ft
	60 m	3,799 m	254.02		174 m	298 m
07R	197 ft	12,463 ft	70.79	ASPHALT	518 ft	886 ft
	60 m	3,799 m	74.02		158 m	270 m
25L	197 ft	12,463 ft	250.80	ASPHALT	0 ft	981 ft
	60 m	3,799 m	254.04		0 m	299 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IZSL	111.10 MHz	18 nm	-	-	18 ft
				33 km	-		18 m
07R	DME	ISR	109.30 MHz	18 nm	-	-	19 ft
				33 km	-		19 m
25L	DME	IFL	108.90 MHz	18 nm	-	-	19 ft
				33 km	-		19 m
25R	DME	ITFR	110.90 MHz	18 nm	-	-	19 ft
				33 km	-		19 m
07L	LOC-ILS	IZSL	111.10 MHz	18 nm	70.78	-	27 ft
				33 km	74.02		27 m
07R	LOC-ILS	ISR	109.30 MHz	18 nm	70.79	-	27 ft
				33 km	74.03		27 m
25L	LOC-ILS	IFL	108.90 MHz	18 nm	250.79	-	27 ft
				33 km	254.03		27 m
25R	LOC-ILS	ITFR	110.90 MHz	18 nm	250.78	-	27 ft
				33 km	254.02		27 m
07L	GS	IZSL	111.10 MHz	10 nm	70.78	3.00	27 ft
				19 km	74.02		27 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07R	GS	ISR	109.30 MHz	10 nm	70.79	3.00	27 ft
				19 km	74.03		27 m
25L	GS	IFL	108.90 MHz	10 nm	250.79	3.00	27 ft
				19 km	254.03		27 m
25R	GS	ITFR	110.90 MHz	10 nm	250.78	3.00	27 ft
				19 km	254.02		27 m