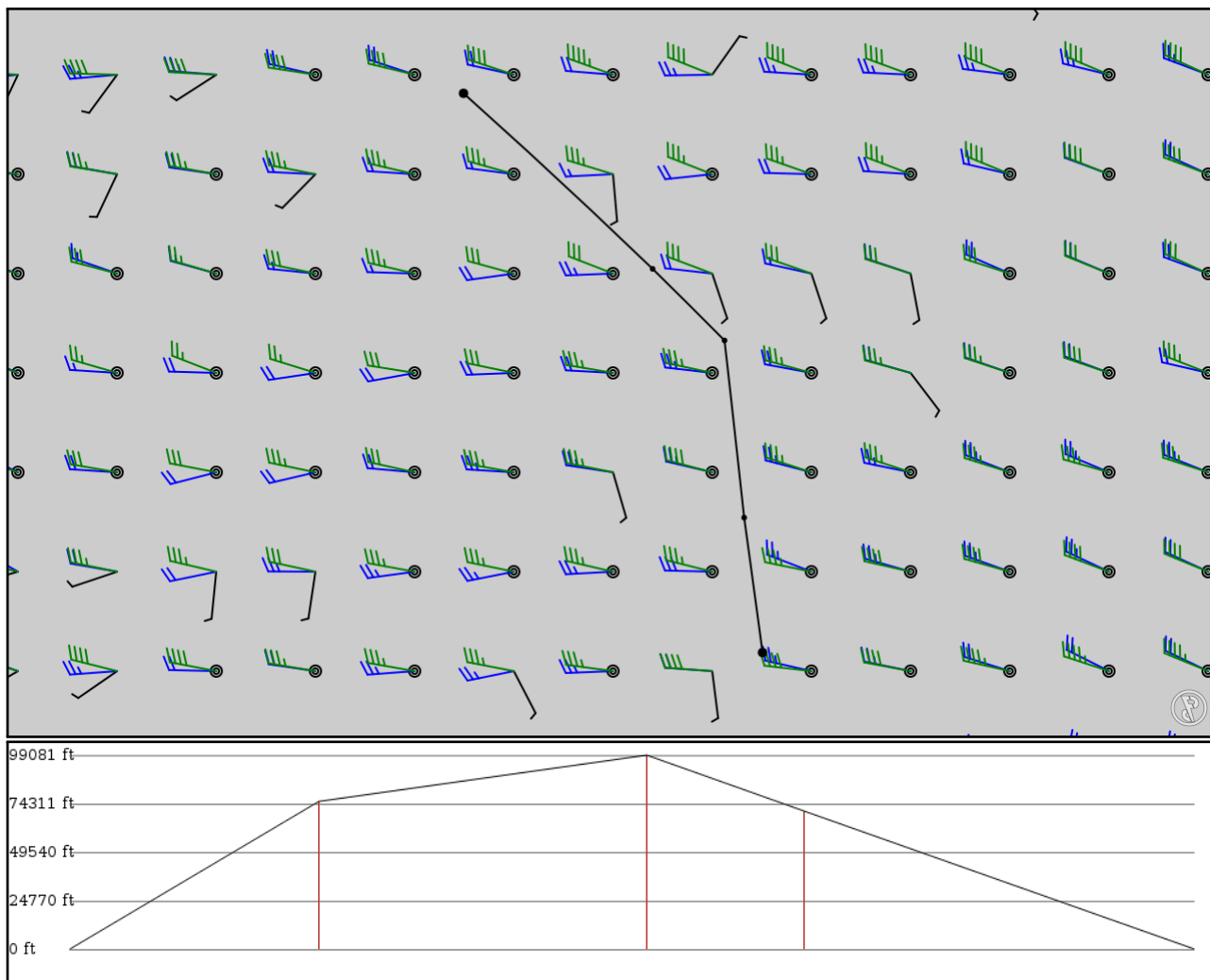


2024/05/08 0825Z

ZMUB BUGAN **B339** SERNA **A815** KELES UIII

290.12 nm / 537.30 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
ZMUB APT	-	47.83440 106.77000	0 ft 0 m	-	CHINGGIS KHAAN INTL
BUGAN FIX	-	48.90360 106.62400	23,000 ft 7,010 m	64	-
SERNA FIX	B339 AWY-HI	50.30830 106.46800	30,200 ft 9,205 m	84	-
KELES FIX	A815 AWY-HI	50.87560 105.89700	21,500 ft 6,553 m	40	-
UIII APT	-	52.26710 104.39500	0 ft 0 m	100	Irkutsk Intl

## ZMUB

Region: MONGOLIA  
Timezone: ASIA/ULAANBAATAR  
Runways: 2

Elevation: 4,363 ft / 1,330 m  
Location: 47.834400 106.770000  
Magnetic Var: 4.938 W

## METAR

ZMUB 080800Z VRB02MPS 9999 SCT100 15/M04 Q1022 NOSIG

## TAF

TAF TAF ZMUB 080455Z 0806/0912 VRB02MPS 9999 FEW030CB SCT033 TX16/0807Z TN07/0823Z TEMPO 0814/0905 VRB08MPS 6000

## Frequencies

REC - 126.00 MHz - ATIS  
TWR - 120.00 MHz - ULAANBAATAR TOWER

APP - 120.00 MHz - ULAANBATAR APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14	200 ft	10,181 ft	138.21	ASPHALT	0 ft	0 ft
	61 m	3,103 m	143.15		0 m	0 m
32	200 ft	10,181 ft	318.24	ASPHALT	0 ft	0 ft
	61 m	3,103 m	323.17		0 m	0 m
15	131 ft	6,245 ft	146.30	DIRT	0 ft	0 ft
	40 m	1,903 m	151.24		0 m	0 m
33	131 ft	6,245 ft	326.31	DIRT	0 ft	0 ft
	40 m	1,903 m	331.25		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
14	LOC-ILS	IDA	110.30 MHz	18 nm	138.23	-	4,363 ft
				33 km	143.17		4,363 m
14	GS	IDA	110.30 MHz	10 nm	138.23	2.67	4,363 ft
				19 km	143.17		4,363 m

## UIII

Region: RUSSIA  
Timezone: ASIA/IRKUTSK  
Runways: 1

Elevation: 1,669 ft / 509 m  
Location: 52.267100 104.395000  
Magnetic Var: 4.149 W

## METAR

UIII 080800Z 15008MPS CAVOK 20/M03 Q1015 R12/CLRD60 NOSIG RMK QFE719/0958

## TAF

TAF UIII 080500Z 0806/0906 16008G13MPS 9999 NSC BECMG 0819/0821 30003MPS BKN040CB

## Frequencies

APP - 125.20 MHz - IRKUTSK APPROACH  
GND - 121.70 MHz - IRKUTSK GROUND  
COM - 119.30 MHz - IRKUTSK RADAR  
REC - 124.85 MHz - IRKUTSK ATIS  
TWR - 118.10 MHz - IRKUTSK TOWER

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	148 ft	11,686 ft	113.50	CONCRETE	1,312 ft	0 ft
	45 m	3,562 m	117.64		400 m	0 m
30	148 ft	11,686 ft	293.53	CONCRETE	1,309 ft	0 ft
	45 m	3,562 m	297.68		399 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	ICN	111.30 MHz	18 nm	113.52	-	1,669 ft
				33 km	117.67		1,669 m
30	LOC-ILS	IIR	110.30 MHz	18 nm	293.52	-	1,669 ft
				33 km	297.67		1,669 m
12	GS	ICN	111.30 MHz	10 nm	113.52	3.30	1,669 ft
				19 km	117.67		1,669 m
30	GS	IIR	110.30 MHz	10 nm	293.52	3.30	1,669 ft
				19 km	297.67		1,669 m