

**UNBB/BAX
BARNAIL**

18 JUL 08

JEPPESEN

10-2

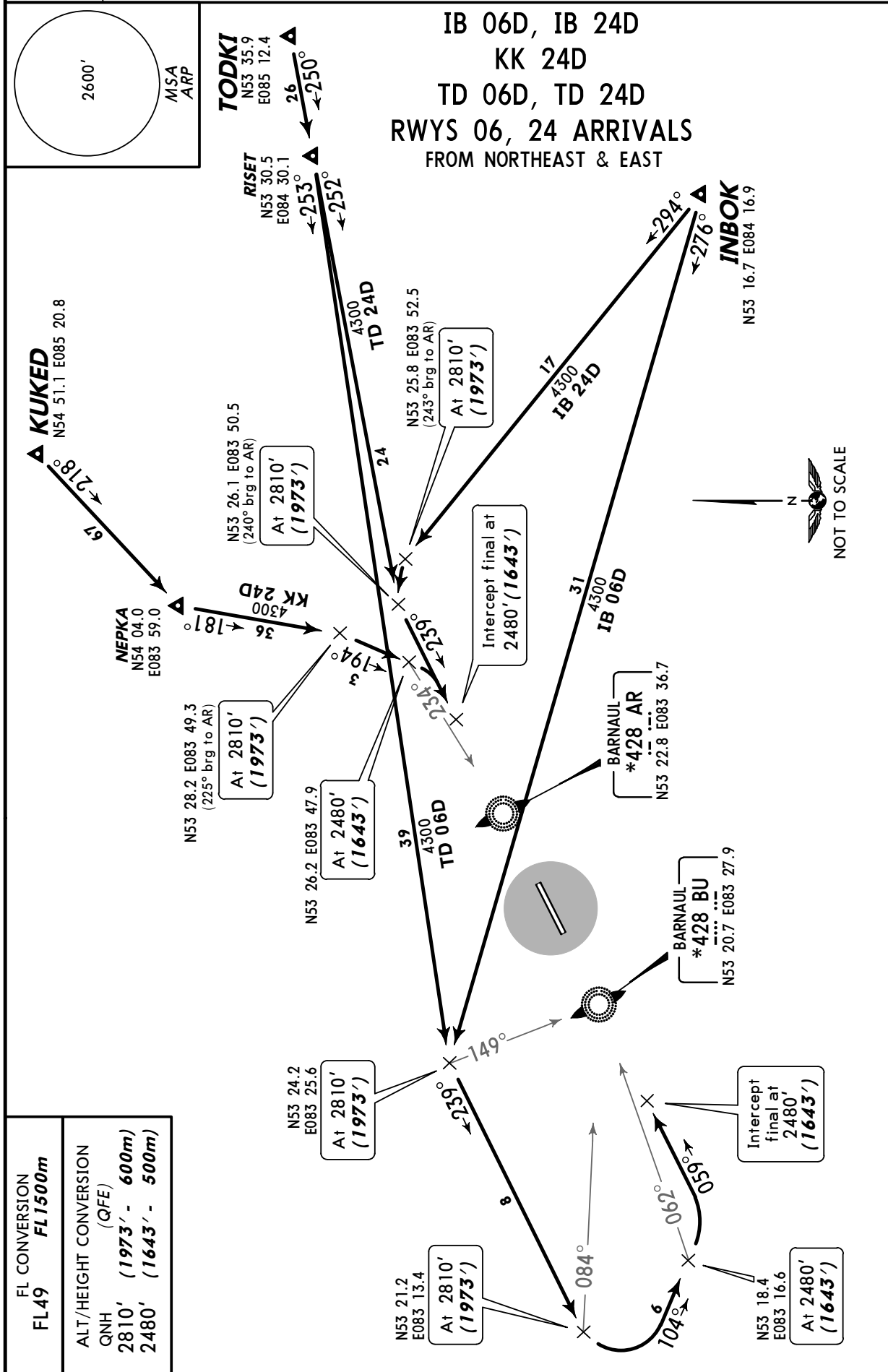
Eff 31 Jul

BARNaul, RUSSIA

STAR

Apt Elev
837'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL49 Trans alt: 2810' **(1973')** **1.** FL by ATC.
2. Due to no guidance in heading at the initial approach, the procedure parameters are maintained by radar vectoring.



CHANGES: Waypoints designated.

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UNBB/BAX
BARNAUL

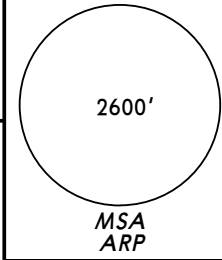
JEPPESSEN
18 JUL 08 (10-2A) Eff 31 Jul

BARNAUL, RUSSIA

STAR

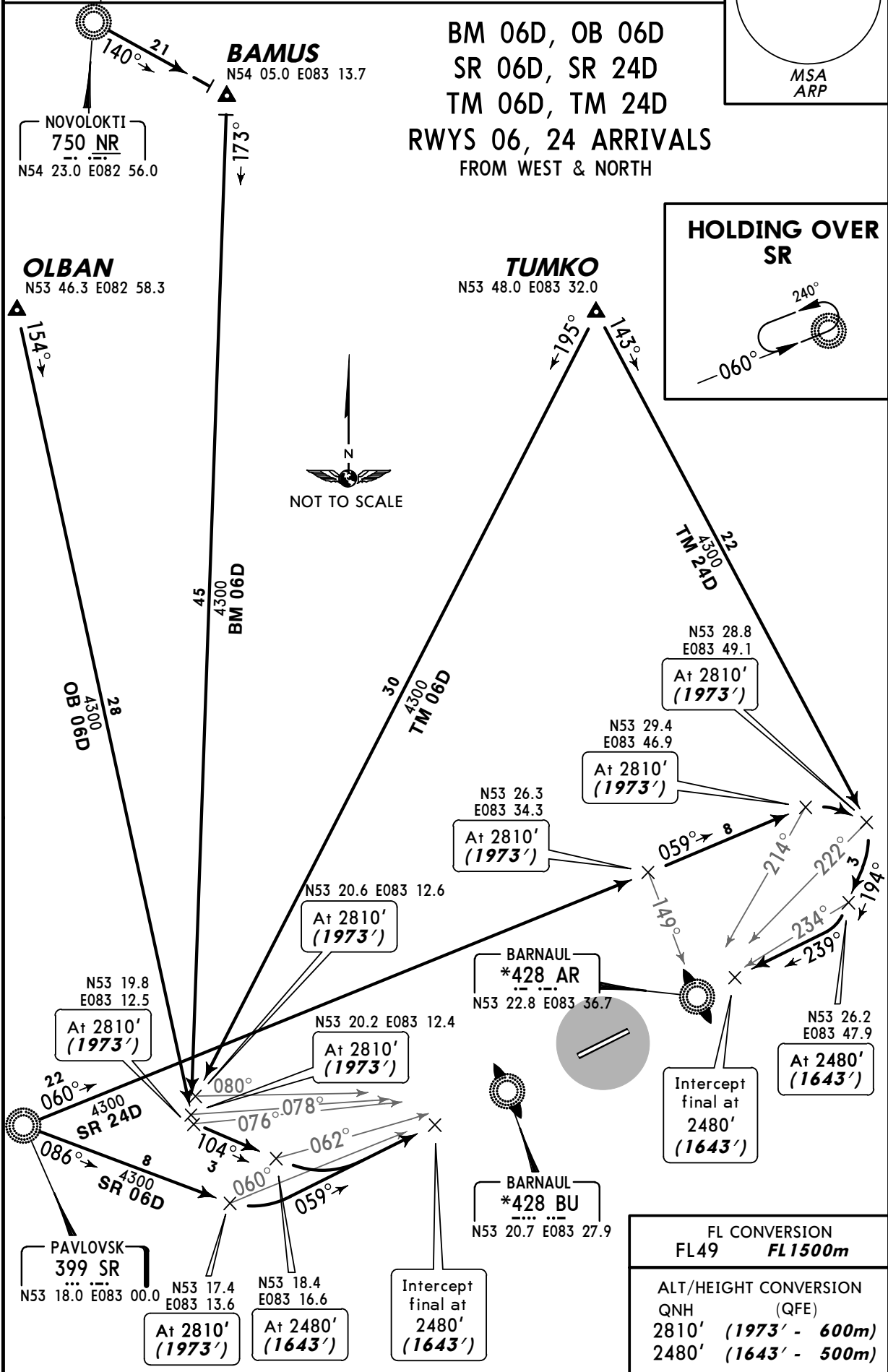
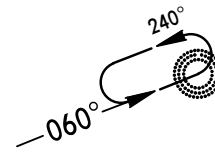
Apt Elev
837'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL49 Trans alt: 2810' (1973') 1. FL by ATC.
2. Due to no guidance in heading at the initial approach, the procedure parameters are maintained by radar vectoring.



BM 06D, OB 06D
SR 06D, SR 24D
TM 06D, TM 24D
RWYS 06, 24 ARRIVALS
FROM WEST & NORTH

HOLDING OVER
SR

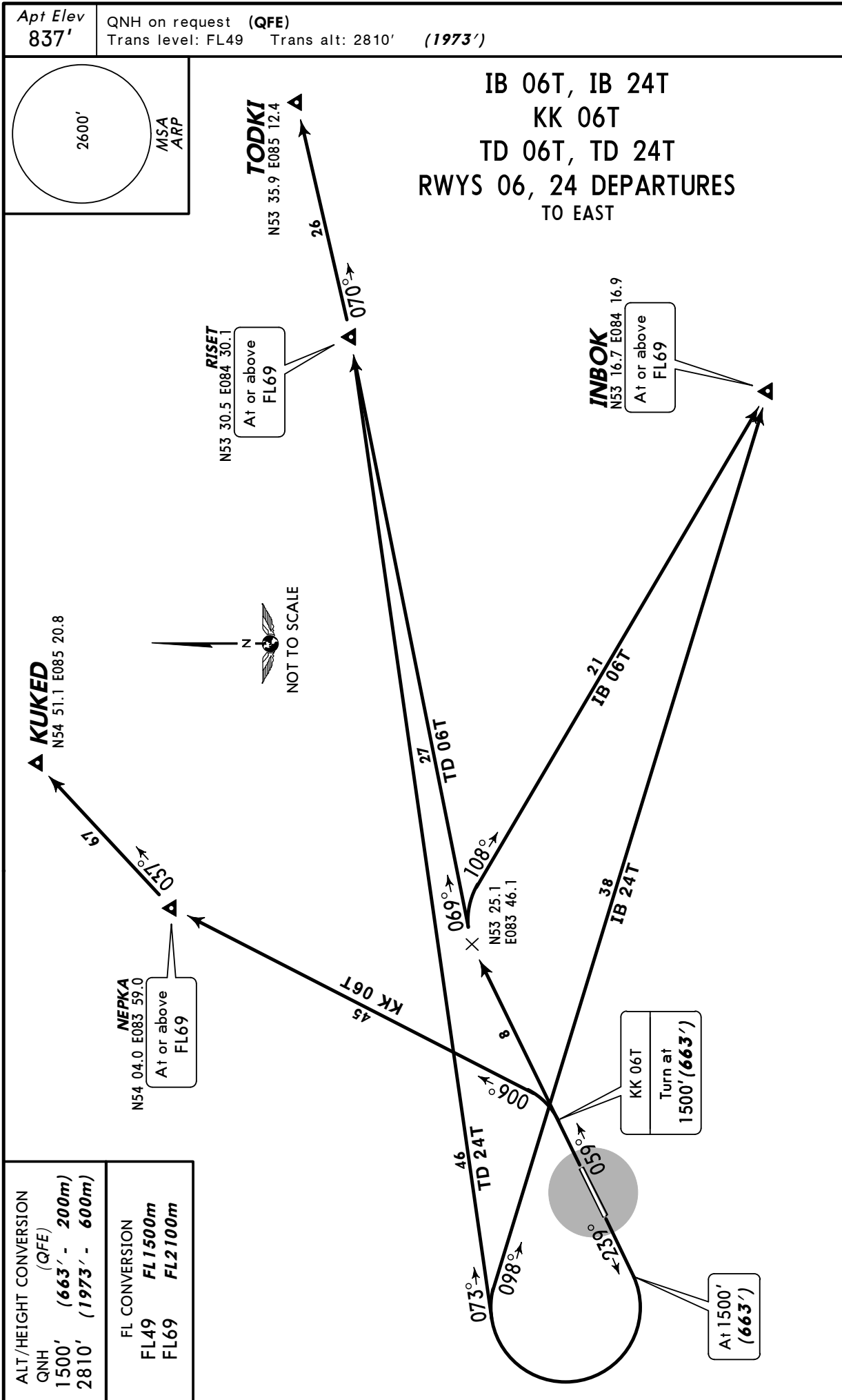


UNBB/BAX
 BARNaul

JEPPesen
 18 JUL 08 10-3 Eff 31 Jul

BARNaul, RUSSIA

SID



UNBB/BAX
BARNaul

JEPPESEN

18 JUL 08

(10-3A)

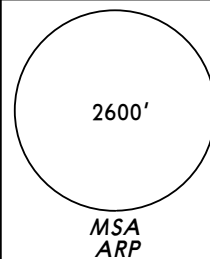
Eff 31 Jul

BARNaul, RUSSIA

SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL49 Trans alt: 2810' (1973')



NOVOLOKTI
750 NR
N54 23.0 E082 56.0

BM 24T, OB 24T
SR 06T, SR 24T
TM 06T, TM 24T
RWYS 06, 24 DEPARTURES
TO WEST & NORTH

BAMUS
N54 05.0 E083 13.7
At or above
FL59

OLBAN
N53 46.3 E082 58.3
At or above
FL59

TUMKO
N53 48.0 E083 32.0
At or above
FL59



ALT/HEIGHT CONVERSION
QNH (QFE)
1500' (663' - 200m)
2810' (1973' - 600m)

FL CONVERSION
FL49 FL1500m
FL59 FL1800m

PAVLOVSK
399 SR
N53 18.0 E083 00.0
At or above
FL59

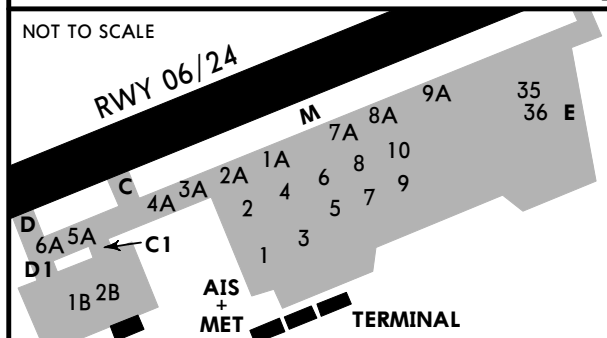


UNBB/BAX
Apt Elev **837'**
N53 21.8 E083 32.5JEPPESEN
21 NOV 08 **(10-9)**BARNAUL, RUSSIA
BARNAUL

BARNAUL Tower (GND/TWR)

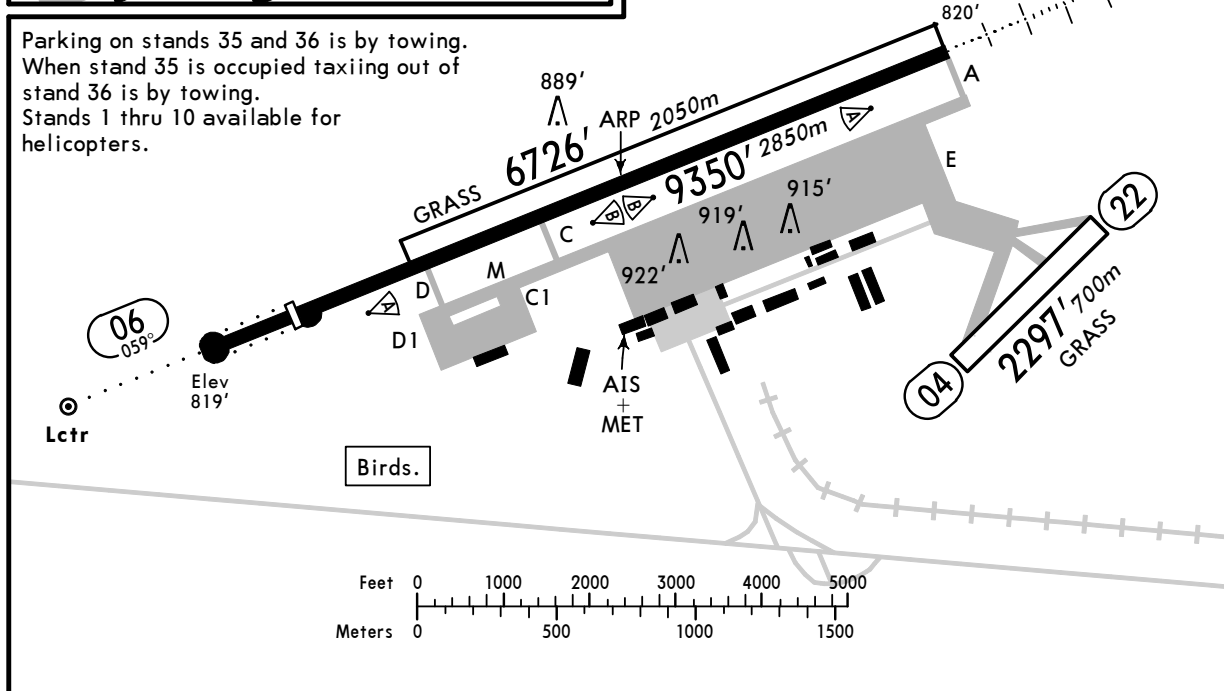
123.5

NOT TO SCALE



PARKING POSITIONS		
STAND	COORDINATES	
1	N53 21.7	E083 32.8
2	N53 21.8	E083 32.8
3	N53 21.7	E083 32.9
4	N53 21.8	E083 32.9
5, 6	N53 21.8	E083 33.0
7, 8	N53 21.8	E083 33.1
9	N53 21.8	E083 33.2
10, 35	N53 21.9	E083 33.2

Parking on stands 35 and 36 is by towing.
When stand 35 is occupied taxiing out of
stand 36 is by towing.
Stands 1 thru 10 available for
helicopters.



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Landing Beyond		
04	22				262' 80m
06	24	HIRL (60m) ALS(white/red) PAPI-L (2.67°) RVR	8202' 2500m	7013' 2138m	9022' 2750m ①
06	24	HIRL (60m) HIALS PAPI-L (2.67°) RVR		8366' 2550m	164' 50m
06	24	Grass runway			279' 85m

① First 328'/100m unusable for take-off.

TAKE-OFF

AIR CARRIER
Main rwy 06/24

	LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL
A		
B	250m	400m
C		
D	300m	

UNBB/BAX

14 MAR 08 **JEPPESEN**
10-9X**JAA MINIMUMS**
BARNAUL, RUSSIA
BARNAUL

STRAIGHT-IN RWY		A	B	C	D
06	ILS	1025' (200')	1027' (202')	1037' (212')	1047' (222')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	1180' (355')	1180' (355')	1180' (355')	1180' (355')
		R1300m	R1400m	R1600m	R1800m
24	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	1 NDB	1220' (395')	1220' (395')	1220' (395')	1220' (395')
		R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	ILS	1020' (200')	1020' (200')	1020' (200')	1020' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	1170' (350')	1170' (350')	1170' (350')	1170' (350')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	1 NDB	1220' (400')	1220' (400')	1220' (400')	1220' (400')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m

TAKE-OFF RWY 06, 24

LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

UNBB/BAX
BARNaul

JEPPESEN
21 MAR 08 (11-1)

BARNAUL, RUSSIA
ILS or 2 NDB Rwy 06

BRIEFING STRIP

BARNaul Tower (APP/SRE/TWR)				Ground	
123.5		120.0			
LOC IBU *110.3	Final Apch Crs 059°	GS LOM 1547' (722')	ILS DA(H) Refer to Minimums	Apt Elev 837' RWY 825'	2600' MSA Airport
NDB BU 428		Minimum Alt LOM 1550' (725')	2 NDB MDA(H) 1180' (355')		
MISSED APCH: Climb on 059° to 1490' (665'), then turn LEFT onto 239° climbing to 2810' (1985'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 49	

Chart: 53-25, 53-20, 53-15, 83-10, 83-20, 83-30, 83-40

Key Features:

- ILS 059° *110.3 IBU**
- NDB 428 BU**
- BARNaul *865 B**
- 1465'**
- 1324'**
- 1344'**
- at 2810' (1985')**
- at 2470' (1645')**
- at 1490' (665')**
- 239°**
- 059°**
- 084°**
- 104°**
- 062°**
- By ATC**
- 149°**

ALT/HEIGHT CONVERSION

QNH	(QFE)
2810'	(1985' - 600m)
2470'	(1645' - 500m)
1550'	(725' - 220m)
1490'	(665' - 200m)
1010'	(185' - 55m)

LOM
GS 1547' (722')

LMM
GS 1006' (181')

intercept final

2470' (1645')

059°

NDB 1550' (725')

TCH displ thresh 47'

1.9

0.4

0

RWY 06 825'

TO DISPLACED THRESHOLD

Gnd speed-Kts	70	90	100	120	140	160
ILS GS 2.67° or NDB Desc Grad 4.7%	336	432	480	576	671	767

ALS

PAPI

1490' (665') on 059°

239°

2810' (1985')

STRAIGHT-IN LANDING RWY 06

DA(H)	ILS	LOC (GS out)	2 NDB	1 NDB
A: 1025' (200')	C: 1037' (212')		MDA(H) 1180' (355')	MDA(H) 1220' (395')
B: 1027' (202')	D: 1047' (222')			
FULL	ALS out		ALS out	ALS out

PANS OPS

A	1200m	NOT AUTH	RVR 1500m VIS 1600m	2200m
B				
C				
D			RVR 1800m VIS 2000m	

CHANGES: Minimums.

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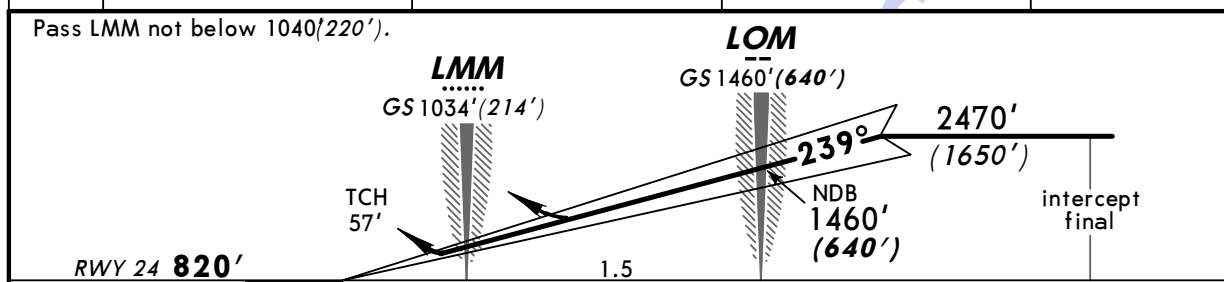
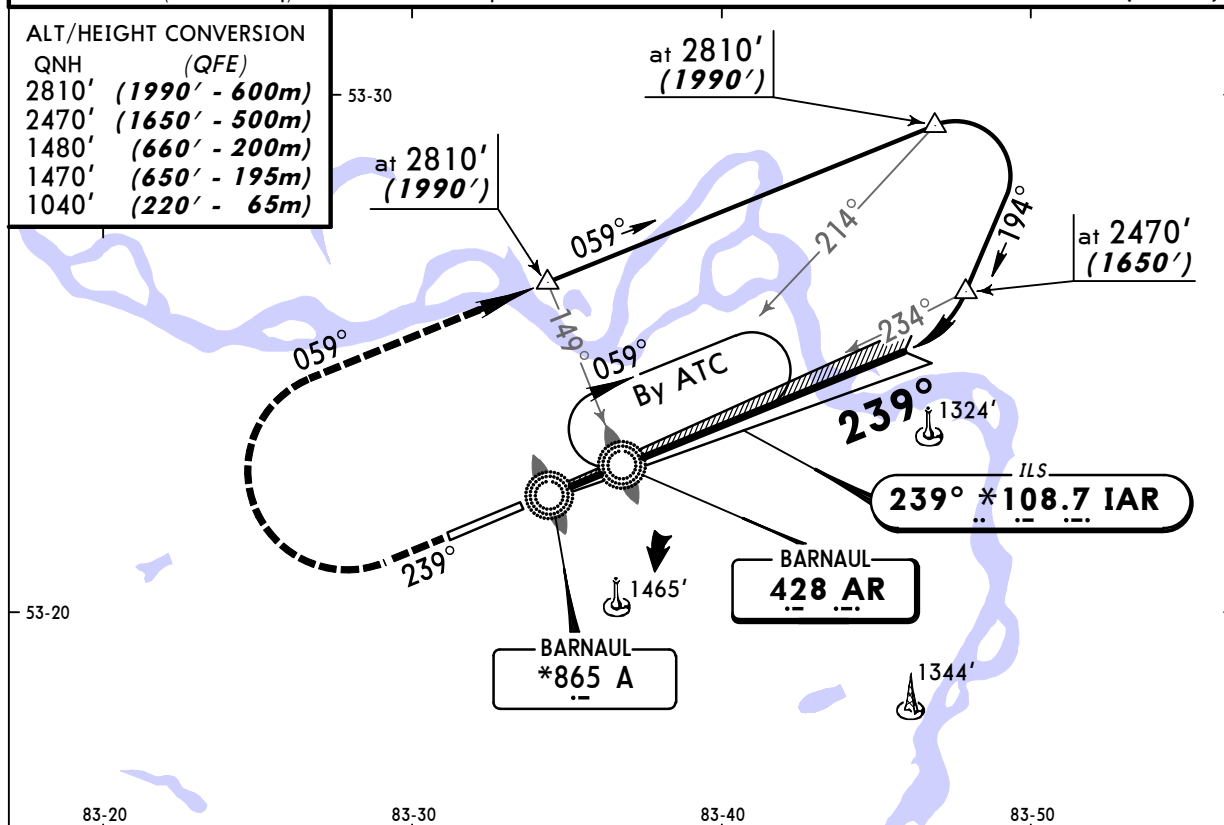
UNBB/BAX
BARNAUL

JEPPESEN
21 MAR 08 (11-2)

BARNAUL, RUSSIA
ILS or 2 NDB Rwy 24

BRIEFING STRIP

BARNAUL Tower (APP/SRE/TWR)				Ground	
123.5				120.0	
LOC IAR *108.7	Final Apch Crs 239°	GS/ Minimum Alt LOM 1460' (640')	ILS DA(H) 1020' (200')	Apt Elev 837' RWY 820'	2600' MSA Airport
NDB AR 428			2 NDB MDA(H) 1170' (350')		
MISSED APCH: Climb on 239° to 1480' (660'), then turn RIGHT onto 059° climbing to 2810' (1990'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 49	Trans alt: 2810' (1990')	



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1480' (660')	239°	059°	2810' (1990')
ILS GS 2.67° or NDB Desc Grad 4.7%	336	432	480	576	671	767	PAPI	↑	↑	↑	↑

STRAIGHT-IN LANDING RWY 24						
ILS		LOC	2 NDB		1 NDB	
DA(H) 1020' (200')		(GS out)	MDA(H) 1170' (350')		MDA(H) 1220' (400')	
FULL	ALS out			ALS out		ALS out
A						
B						
C	RVR 720m VIS 800m	1200m	NOT AUTH	1200m 1900m	1500m	2300m
D			RVR 1500m VIS 1600m	RVR 1800m VIS 2000m	1900m	

PANS OPS