

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UNBB

General Info

Barnaul, RUS

N 53° 21.8' E 83° 32.4' Mag Var: 8.3°E

Elevation: 838'

Public, IFR, Control Tower, Customs

Fuel: 115-145, Jet A-1

Time Zone Info: GMT+6:00 uses DST

Runway Info

Runway 06-24 9350' x 164' concrete

Runway 06 (59.0°M) TDZE 825'

Lights: Edge, ALS

Displaced Threshold Distance 1148'

Runway 24 (239.0°M) TDZE 820'

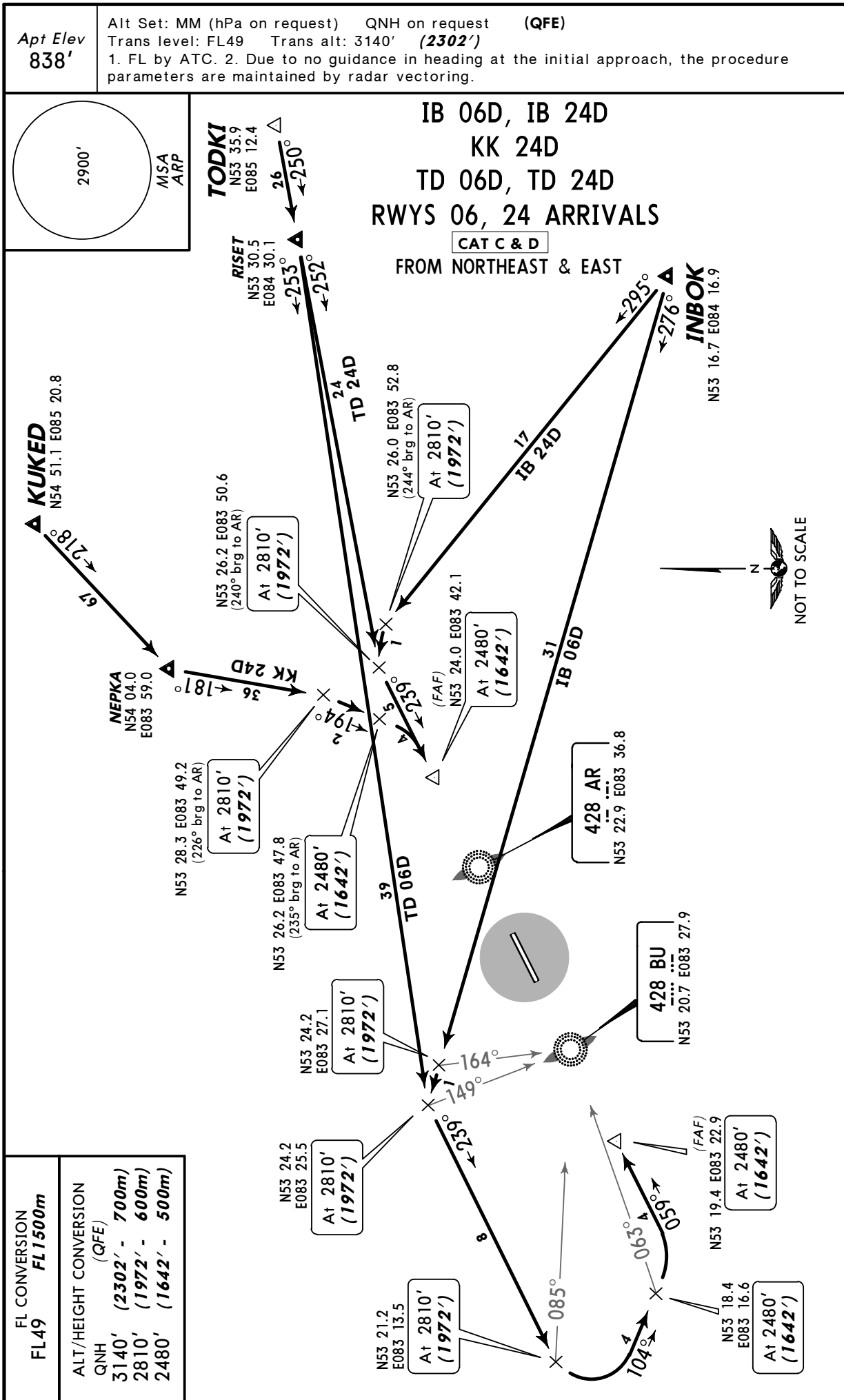
Lights: Edge, ALS

Communications InfoBarnaul Tower **123.5****Notebook Info**

UNBB/BAX
BARNAUL

JEPPESEN
 12 NOV 10 **10-2** Eff 18 Nov

BARNAUL, RUSSIA
STAR



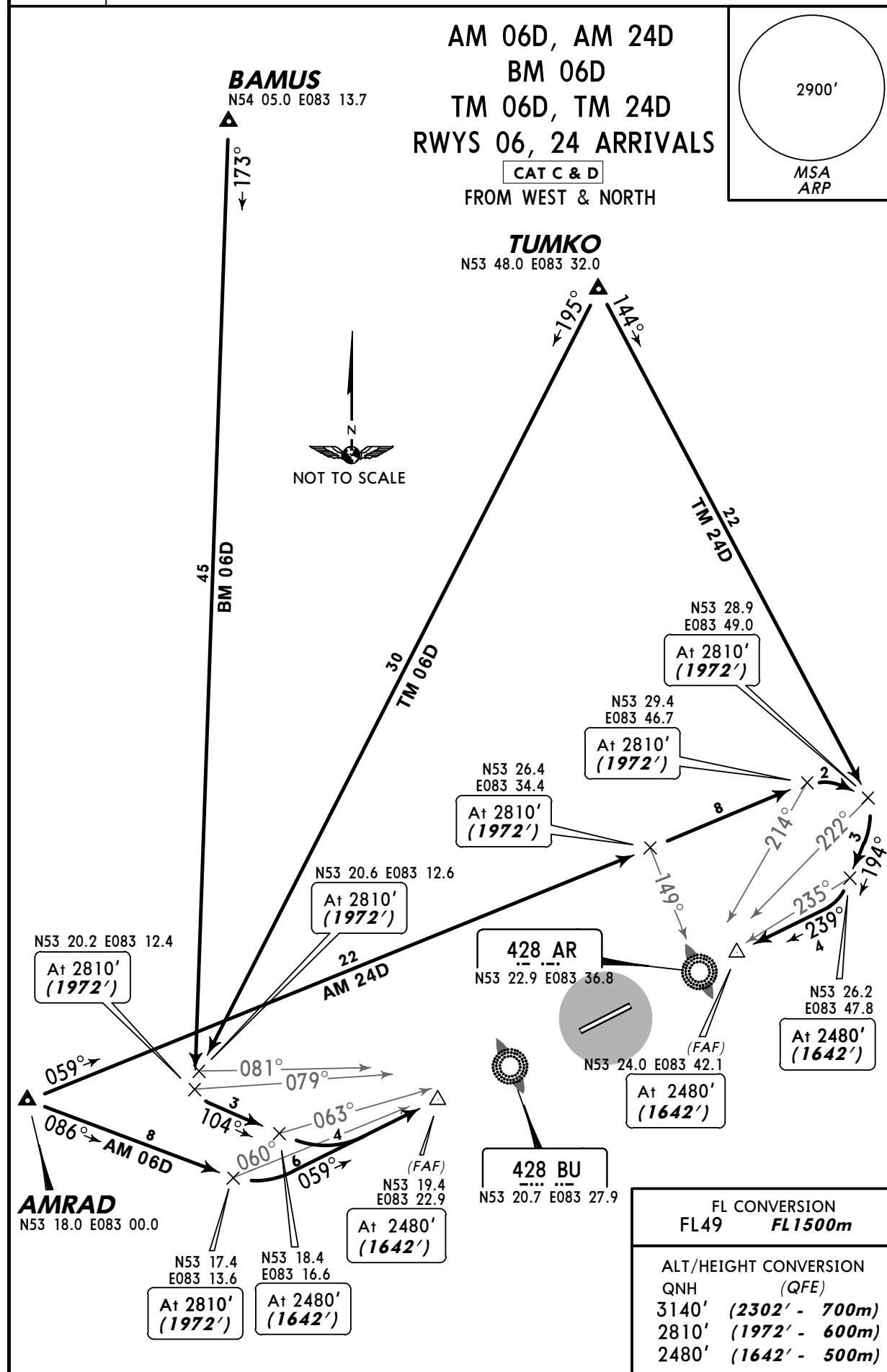
UNBB/BAX
BARNAUL

JEPPESEN
 12 NOV 10 **(10-2A)** **Eff 18 Nov**

BARNAUL, RUSSIA
STAR

Apt Elev
838'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL49 Trans alt: 3140' (2302')
 1. FL by ATC. 2. Due to no guidance in heading at the initial approach, the procedure parameters are maintained by radar vectoring.



UNBB/BAX
BARNAUL

JEPPESSEN
12 NOV 10 **(10-2B)** Eff 18 Nov

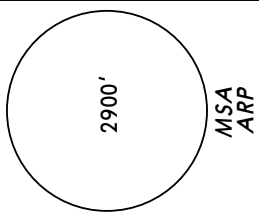
BARNAUL, RUSSIA
STAR

Apt Elev
838'

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL49 Trans alt: 3140' (2302')

1. FL by ATC. 2. Due to no guidance in heading at the initial approach, the procedure parameters are maintained by radar vectoring.



TODKI
N53 35.9
E085 12.4

RISET
N53 30.5
E084 30.1

IB 06B, IB 24B
KK 24B
TD 06B, TD 24B
RWYS 06, 24 ARRIVALS

CAT A & B

FROM NORTHEAST & EAST

INBOK
N53 16.7
E084 16.9

KUKED
N54 51.1
E085 20.8

NEPKA
N54 04.0
E083 59.0

N53 25.2 E083 46.2
(239° brg to AR)

At 2810'
(1972')

N53 25.2 E083 47.0
(241° brg to AR)

At 2810'
(1972')

(FAF) N53 24.0 E083 42.1

At 2480'
(1642')

N53 26.4 E083 45.4
(228° brg to AR)

At 2810'
(1972')

N53 25.0 E083 44.5
(237° brg to AR)

At 2480'
(1642')

N53 22.7 E083 27.4

At 2810'
(1972')

N53 22.7 E083 26.5

At 2810'
(1972')

N53 20.6 E083 18.3

At 2810'
(1972')

IB 06B

428 AR
N53 22.9 E083 36.8

428 BU
N53 20.7 E083 27.9

(FAF) N53 19.4 E083 22.9

At 2480'
(1642')

N53 19.0 E083 20.4

At 2480'
(1642')

FL CONVERSION
FL1500m

ALT/HEIGHT CONVERSION
(QFE)
3140' (2302' - 700m)
2810' (1972' - 600m)
2480' (1642' - 500m)

UNBB/BAX
BARNAUL

JEPPesen
12 NOV 10 **(10-2C)** **Eff 18 Nov**

BARNAUL, RUSSIA

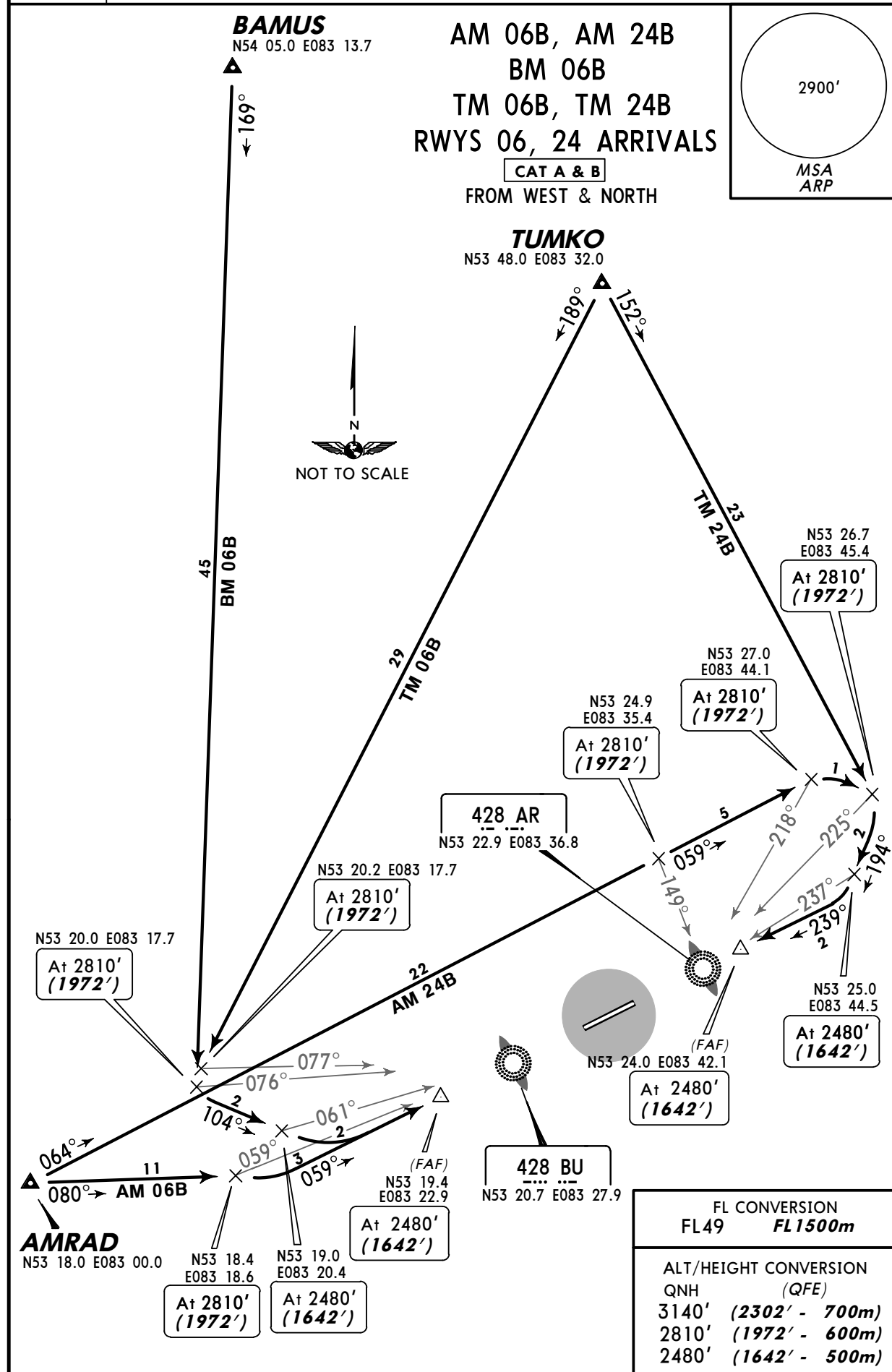
STAR

Apt Elev
838'

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL49 Trans alt: 3140' (2302')

1. FL by ATC. 2. Due to no guidance in heading at the initial approach, the procedure parameters are maintained by radar vectoring.



UNBB/BAX
BARNAUL

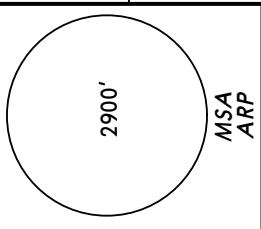
JEPPESSEN
 12 NOV 10 **10-3** **Eff 18 Nov**

BARNAUL, RUSSIA

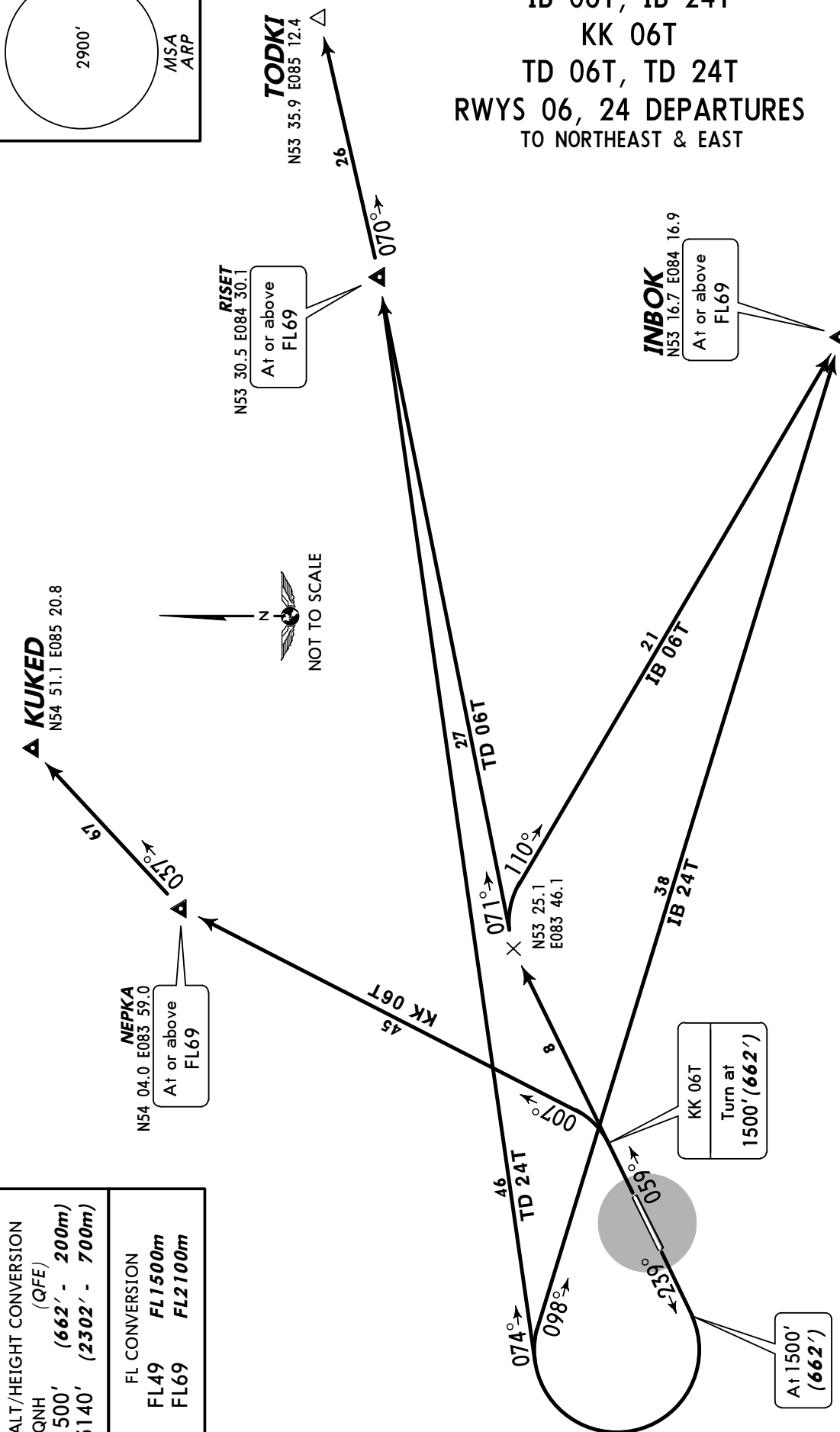
SID

Apt Elev
838'

QNH on request (QFE)
 Trans level: FL49 Trans alt: 3140' **(2302')**



IB 06T, IB 24T
KK 06T
TD 06T, TD 24T
RWYS 06, 24 DEPARTURES
TO NORTHEAST & EAST



ALT/HEIGHT CONVERSION
 QNH (QFE)
 1500' (662' - 200m)
 3140' (2302' - 700m)

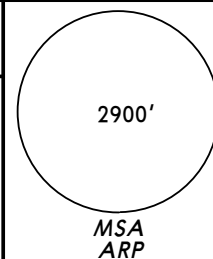
FL CONVERSION
 FL49 FL1500m
 FL69 FL2100m

UNBB/BAX
BARNAUL

JEPPESEN
12 NOV 10 **(10-3A)** **Eff 18 Nov**

BARNAUL, RUSSIA
SID

Apt Elev
838'
QNH on request (QFE)
Trans level: FL49 Trans alt: 3140' **(2302')**



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

BAMUS
N54 05.0 E083 13.7
At or above
FL59

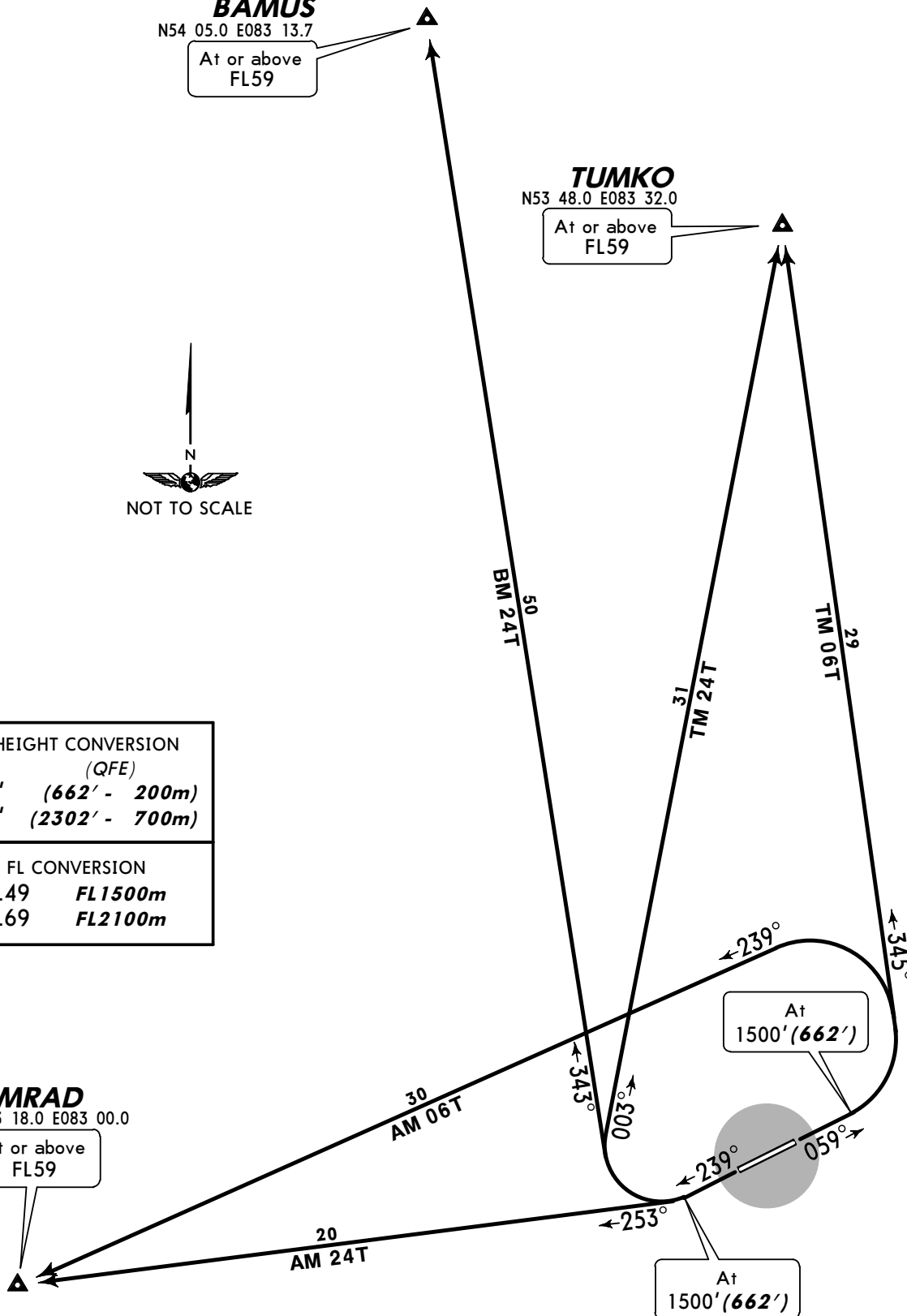
TUMKO
N53 48.0 E083 32.0
At or above
FL59



ALT/HEIGHT CONVERSION
QNH (QFE)
1500' **(662' - 200m)**
3140' **(2302' - 700m)**

FL CONVERSION
FL49 **FL1500m**
FL69 **FL2100m**

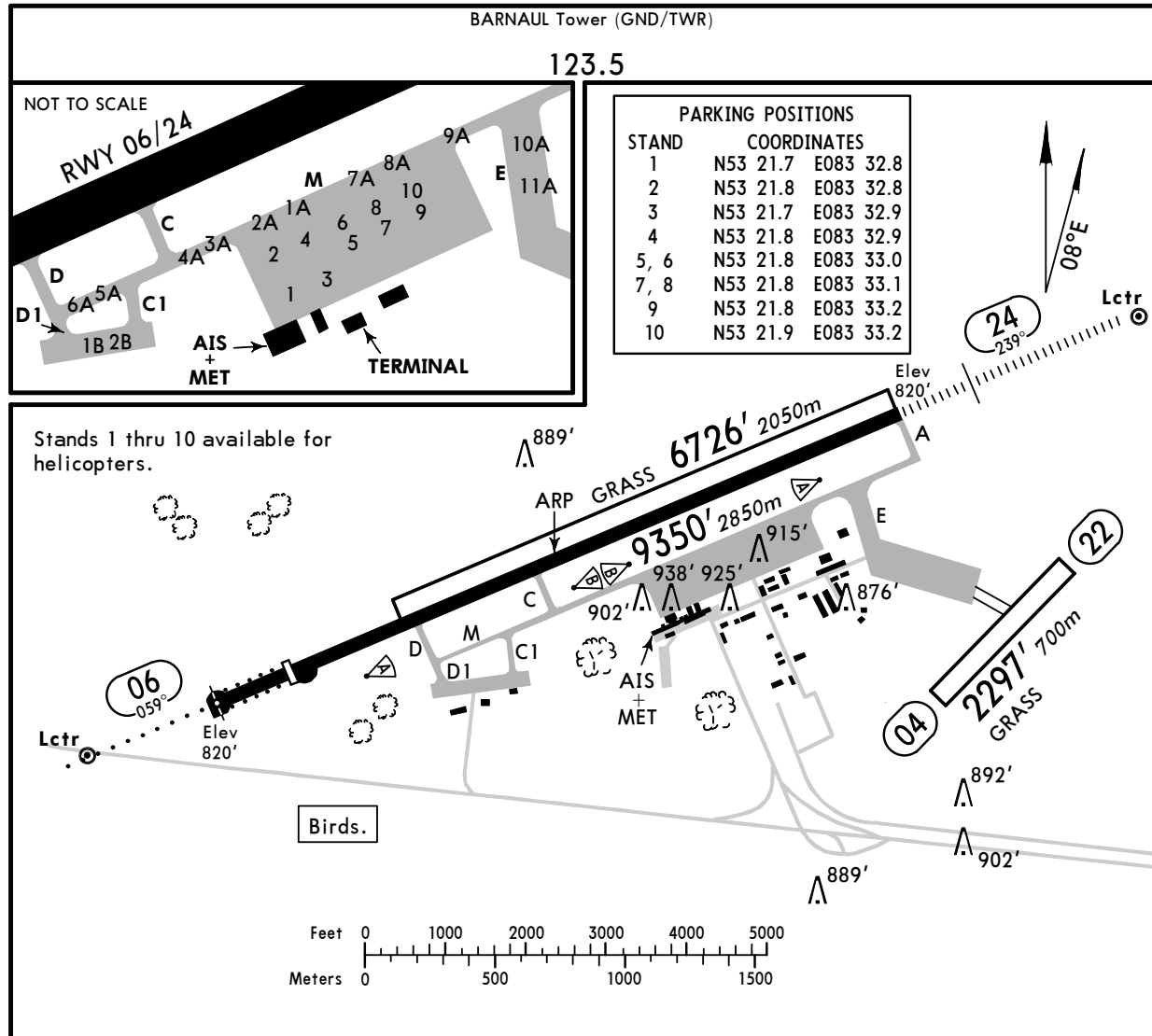
AMRAD
N53 18.0 E083 00.0
At or above
FL59



UNBB/BAX
Apt Elev **838'**
N53 21.8 E083 32.4

JEPPesen
5 FEB 10 **(10-9)** **Eff 11 Feb**

BARNAUL, RUSSIA
BARNAUL



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	7048' 2148m	9022' 2750m ①
06	24	HIRL (60m) HIALS PAPI-L (2.67°) RVR		8682' 2646m	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 **JEPPESEN**
6 AUG 10 **10-9S****Standard**
BARNAUL, RUSSIA
BARNAUL

STRAIGHT-IN RWY		A	B	C	D
06	ILS	1025' (200')	1027' (202')	1037' (212')	1047' (222')
		R1000m	R1000m	R1000m	R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ❶❷	1180' (355')	1180' (355')	1180' (355')	1180' (355')
		R1400m	R1400m	R1400m	R1400m
24	<i>ALS out</i>	R1600m	R1600m	R1600m	R1600m
	NDB ❸	1570' (745')	1570' (745')	1570' (745')	1570' (745')
		C3500m	C3500m	C3700m	C3700m
	<i>ALS out</i>	C3700m	C3700m	C3900m	C3900m
	ILS	1020' (200')	1027' (207')	1037' (217')	1047' (227')
	<i>FULL</i>	R550m	R550m	R550m	R550m
24	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶❷	1180' (360')	1180' (360')	1180' (360')	1180' (360')
		R1000m	R1000m	R1200m	R1200m
	<i>ALS out</i>	R1600m	R1600m	R1600m	R1600m
24	2 NDB ❸	1650' (830')	1650' (830')	1650' (830')	1650' (830')
		C3300m	C3300m	C3500m	C3500m
	<i>ALS out</i>	C4000m	C4000m	C4200m	C4200m
	AR NDB ❶❷	1180' (360')	1180' (360')	1180' (360')	1180' (360')
		R1000m	R1000m	R1200m	R1200m
	<i>ALS out</i>	R1600m	R1600m	R1600m	R1600m
24	AR NDB ❸	1820' (1000')	1820' (1000')	1820' (1000')	1820' (1000')
		C4000m	C4000m	C4200m	C4200m
24	<i>ALS out</i>	C4700m	C4700m	C4900m	C4900m

❶ Continuous Descent Final Approach.

❷ with Radar control.

❸ w/o Radar control.

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**JEPPESEN**
5 FEB 10 **10-9X****Eff 11 Feb****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	1150' (325')	1150' (325')	1150' (325')	1150' (325')
	with FAF	R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	1570' (745')	1570' (745')	1570' (745')	1570' (745')
	w/o FAF	R1500m	R1500m	R2000m	R2000m
	BU NDB	1150' (325')	1150' (325')	1150' (325')	1150' (325')
24	with FAF	R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	BU NDB	1570' (745')	1570' (745')	1570' (745')	1570' (745')
	w/o FAF	R1500m	R1500m	R2000m	R2000m
	ILS	1020' (200')	1027' (207')	1037' (217')	1047' (227')
		R550m	R600m	R600m	R600m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	1180' (360')	1180' (360')	1180' (360')	1180' (360')
	with FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	1650' (830')	1650' (830')	1650' (830')	1650' (830')
	w/o FAF	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	AR NDB	1180' (360')	1180' (360')	1180' (360')	1180' (360')
	with FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	AR NDB	1820' (1000')	1820' (1000')	1820' (1000')	1820' (1000')
	w/o FAF	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	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			
B	250m	400m	500m
C			
D	300m		

UNBB/BAX
BARNAUL

JEPPesen
5 NOV 10
Eff 18 Nov **(11-1)**

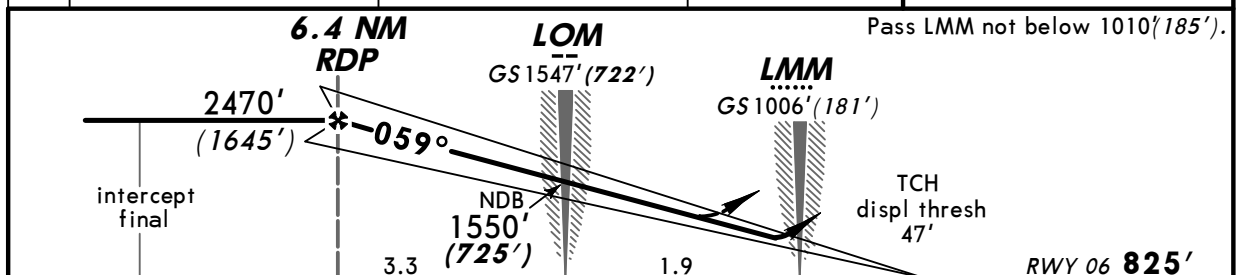
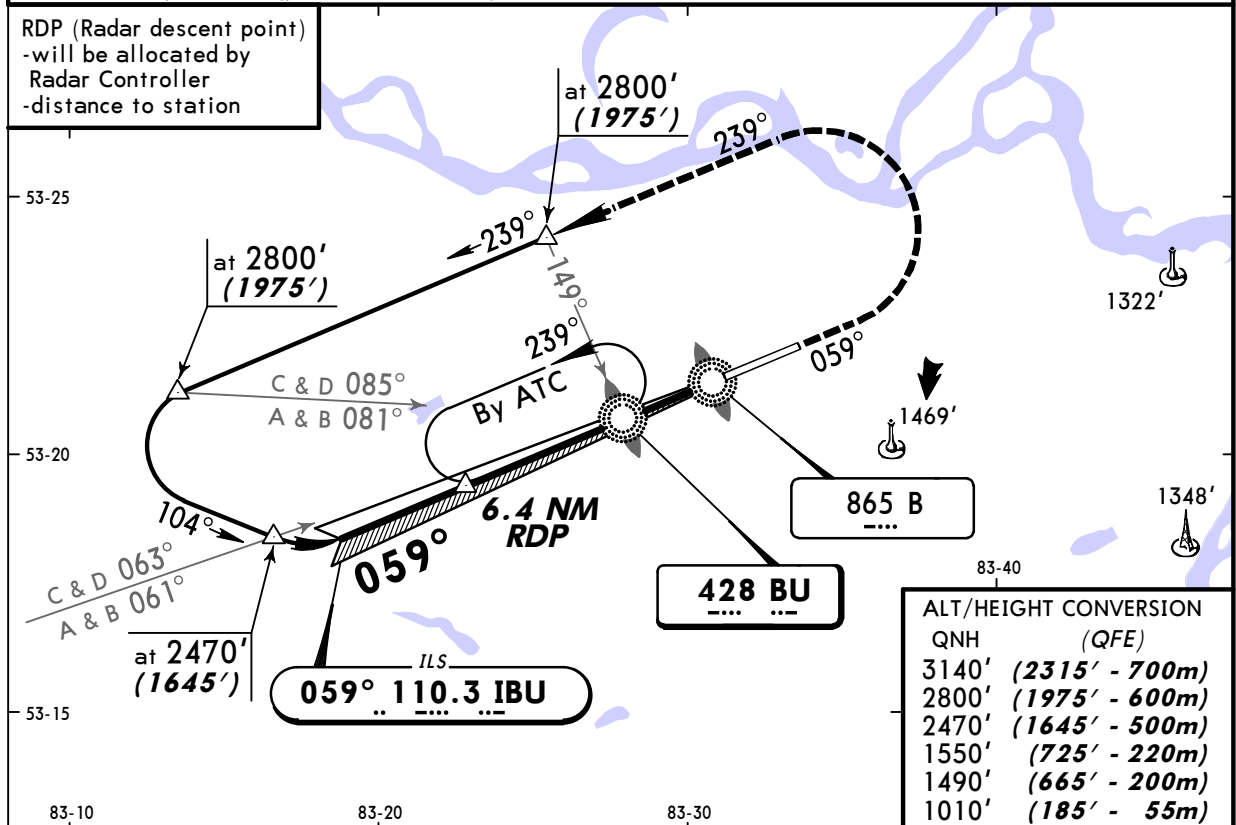
BARNAUL, RUSSIA
ILS or 2 NDB Rwy 06

BARNAUL Tower (APP/SRE/TWR/GND)

BRIEFING STRIP

BARNAUL Tower (APP/SRE/TWR/GND)					
123.5					
LOC IBU 110.3	Final Apch Crs 059°	GS LOM 1547' (722')	ILS DA(H) Refer to Minimums	Apt Elev 838'	2900'
NDB BU 428		Minimum Alt LOM 1550' (725')	2 NDB MDA(H) Refer to Minimums	RWY 825'	
MISSED APCH: Climb on 059° to 1490' (665'), then turn LEFT onto 239° climbing to 2800' (1975'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 49	Trans alt: 3140' (2315')

RDP (Radar descent point)
-will be allocated by
Radar Controller
-distance to station



TO DISPLACED THRESHOLD					
Gnd speed-Kts	70	90	100	120	140
ILS GS or NDB Desc angle 2.67°	336	432	480	576	671

ILS				STRAIGHT-IN LANDING RWY 06 2 NDB				BU NDB			
DA(H)				LOC (GS out)				W/o FAF			
A: 1025' (200') C: 1037' (212')				With FAF MDA(H)				With FAF MDA(H)			
B: 1027' (202') D: 1047' (222')				1150' (325')				1150' (325')			
FULL				ALS out				ALS out			
ALS out											
A											
B											
C											
D											

CHANGES: MSA. Trans alt. Bearings.

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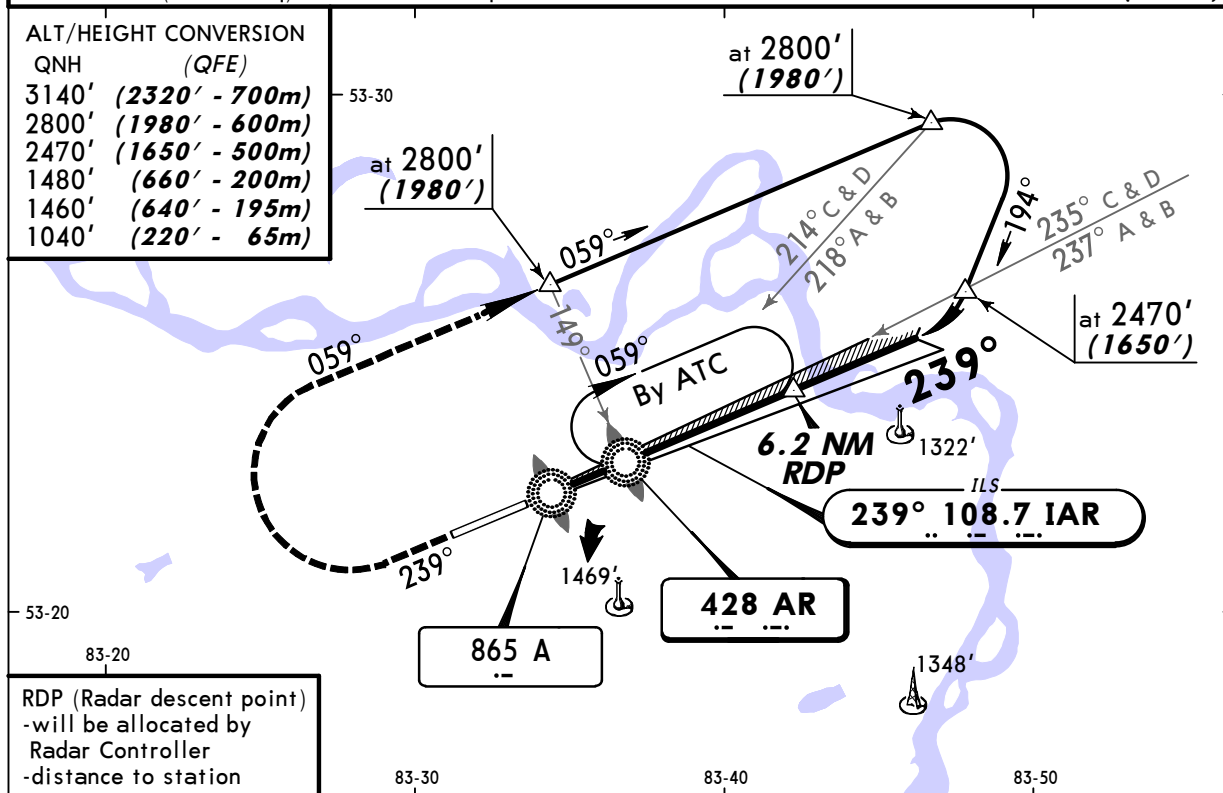
UNBB/BAX
BARNAUL

JEPPesen
5 NOV 10
Eff 18 Nov **(11-2)**

BARNAUL, RUSSIA
ILS or 2 NDB Rwy 24

BRIEFING STRIP

BARNaul Tower (APP/SRE/TWR/GND)					
123.5					
LOC IAR 108.7	Final Apch Crs 239°	GS/ Minimum Alt LOM 1460' (640')	ILS DA(H) Refer to Minimums	Apt Elev 838' RWY 820'	2900' MSA Airport
NDB AR 428			2 NDB MDA(H) Refer to Minimums		
MISSED APCH: Climb on 239° to 1480' (660'), then turn RIGHT onto 059° climbing to 2800' (1980'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 49	Trans alt: 3140' (2320')



Gnd speed-Kts	70	90	100	120	140	160	HIALS		1480' (660')	239°	059°	2800' (1980')
ILS GS or NDB Desc angle	2.67°	336	432	480	576	671	767	PAPI	on	RT		

STRAIGHT-IN LANDING RWY 24							
ILS		2 NDB		AR NDB			
DA(H)		With FAF		W/o FAF		With FAF	
A: 1020' (200') C: 1037' (217')		MDA(H)		MDA(H)		MDA(H)	
B: 1027' (207') D: 1047' (227')		1180' (360')		1650' (830')		1180' (360')	
FULL		ALS out		ALS out		ALS out	
A		1200m		3200m		3200m	
B		1200m		1200m		2000m	
C		1200m		3200m 4000m		4000m	
D		RVR 1500m VIS 1600m		4000m 4400m		4400m	

LOC (GS out): NOT AUTHORIZED.

CHANGES: MSA. Trans alt. Bearings.

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