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Airport Information For UNBB

Terminal Charts For UNBB

Revision Letter For Cycle 13-2016

Change Notices

Notebook

General Information

Location: BARNAUL RUS
ICAO/IATA: UNBB / BAX
Lat/Long: N53° 21.80', E083° 32.38'
Elevation: 837 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -7:00 = UTC
Magnetic Variation: 8.0° E

Fuel Types: Jet A-1
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 2157 Z
Sunset: 1457 Z

Runway Information

Runway: 06
Length x Width: 9360 ft x 164 ft
Surface Type: concrete
TDZ-Elev: 825 ft
Lighting: Edge, ALS
Displaced Threshold: 1142 ft

Runway: 24
Length x Width: 9360 ft x 164 ft
Surface Type: concrete
TDZ-Elev: 820 ft
Lighting: Edge, ALS

Communication Information

ATIS: 129.700
Barnaul Tower: 124.000 Secondary
Barnaul Tower: 129.000 Secondary
Barnaul Tower: 123.500
Barnaul Ground Ramp/Taxi: 118.800

UNBB/BAX
MIKHAYLOVKA

JEPPESSEN

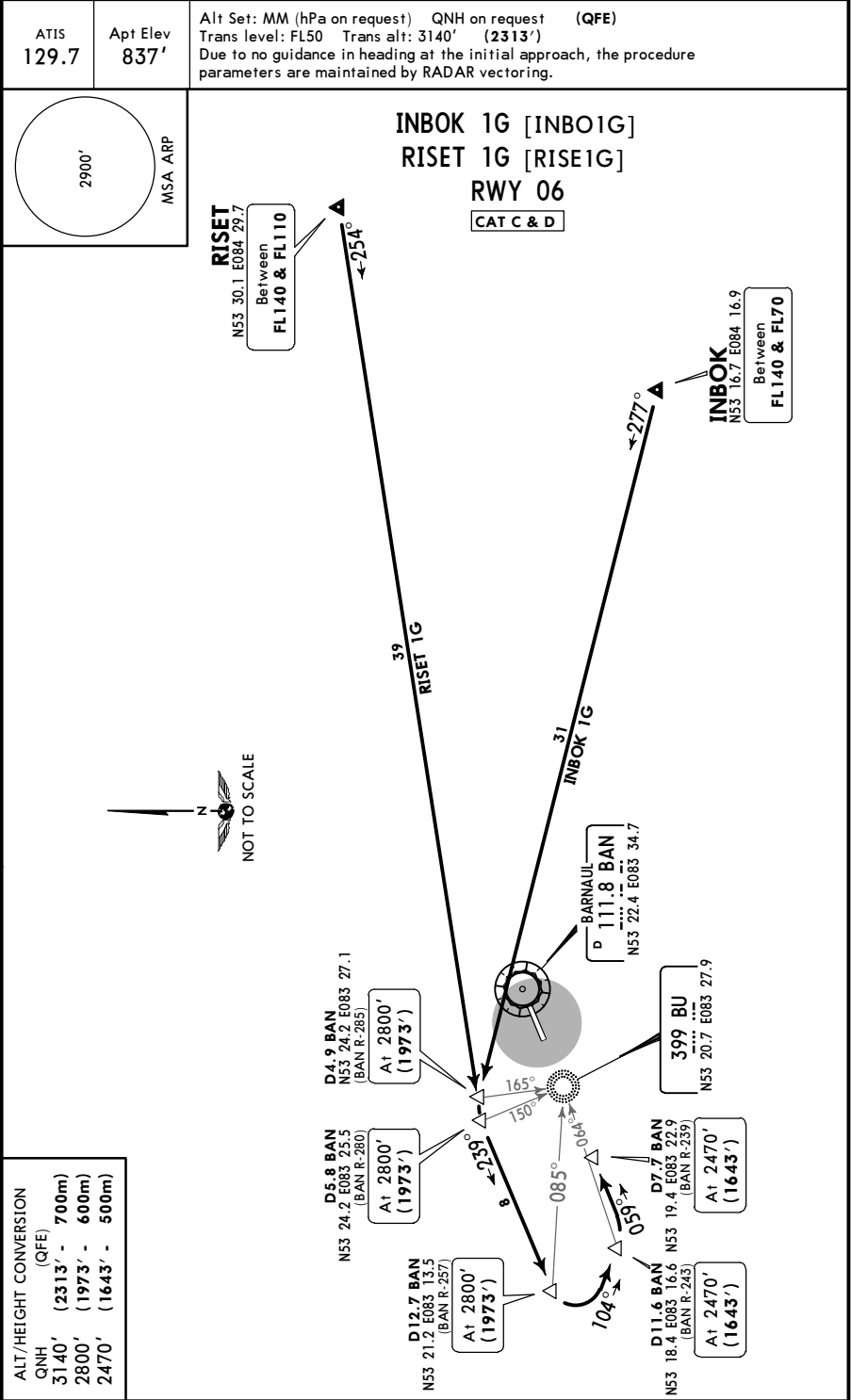
BARNAUL, RUSSIA

18 MAR 16

10-2

Eff 31 Mar

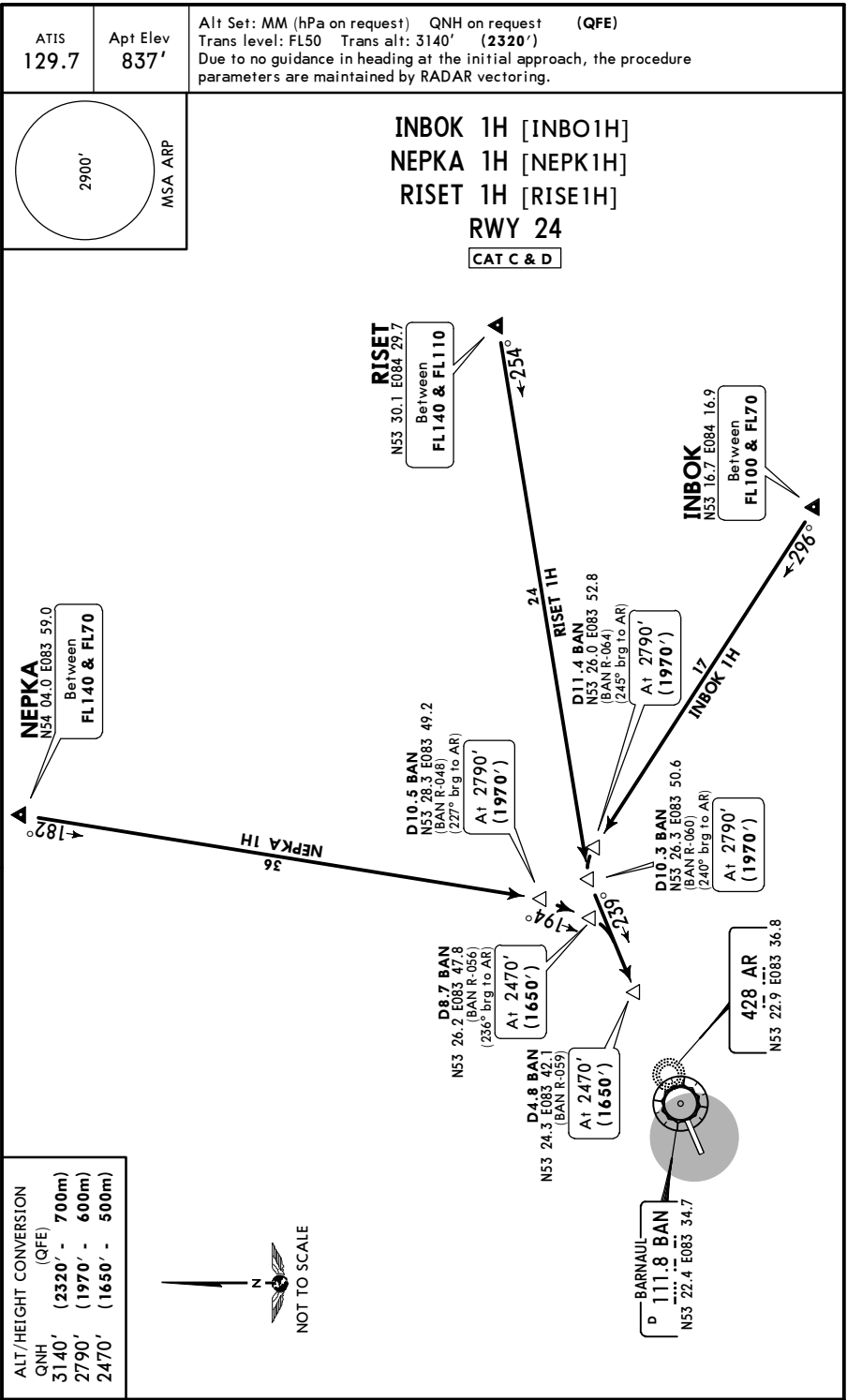
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UNBB/BAX
MIKHAYLOVKA

JEPPesen
18 MAR 16 (10-2A) Eff 31 Mar

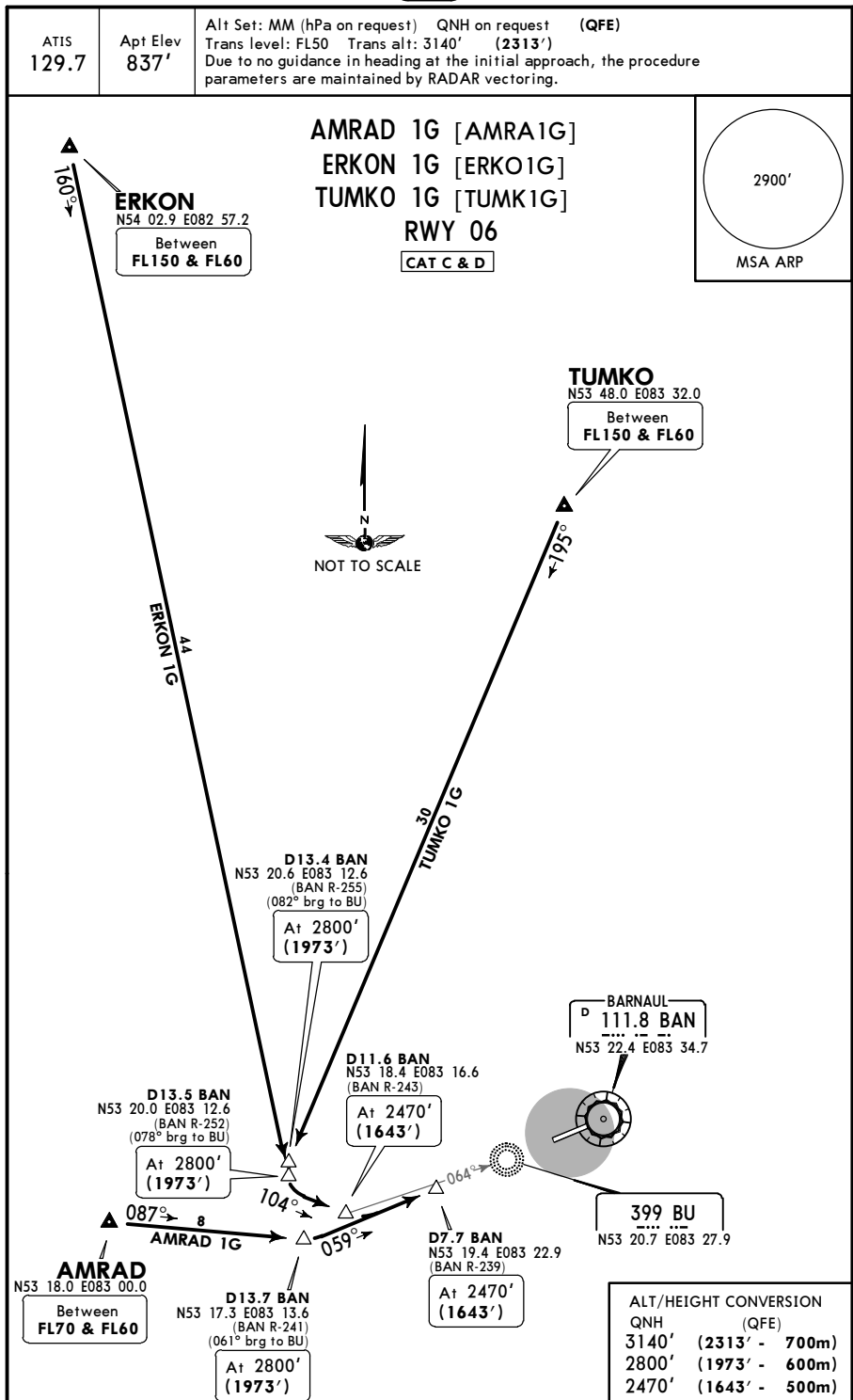
BARNAUL, RUSSIA
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UNBB/BAX
MIKHAYLOVKA

JEPPESSEN
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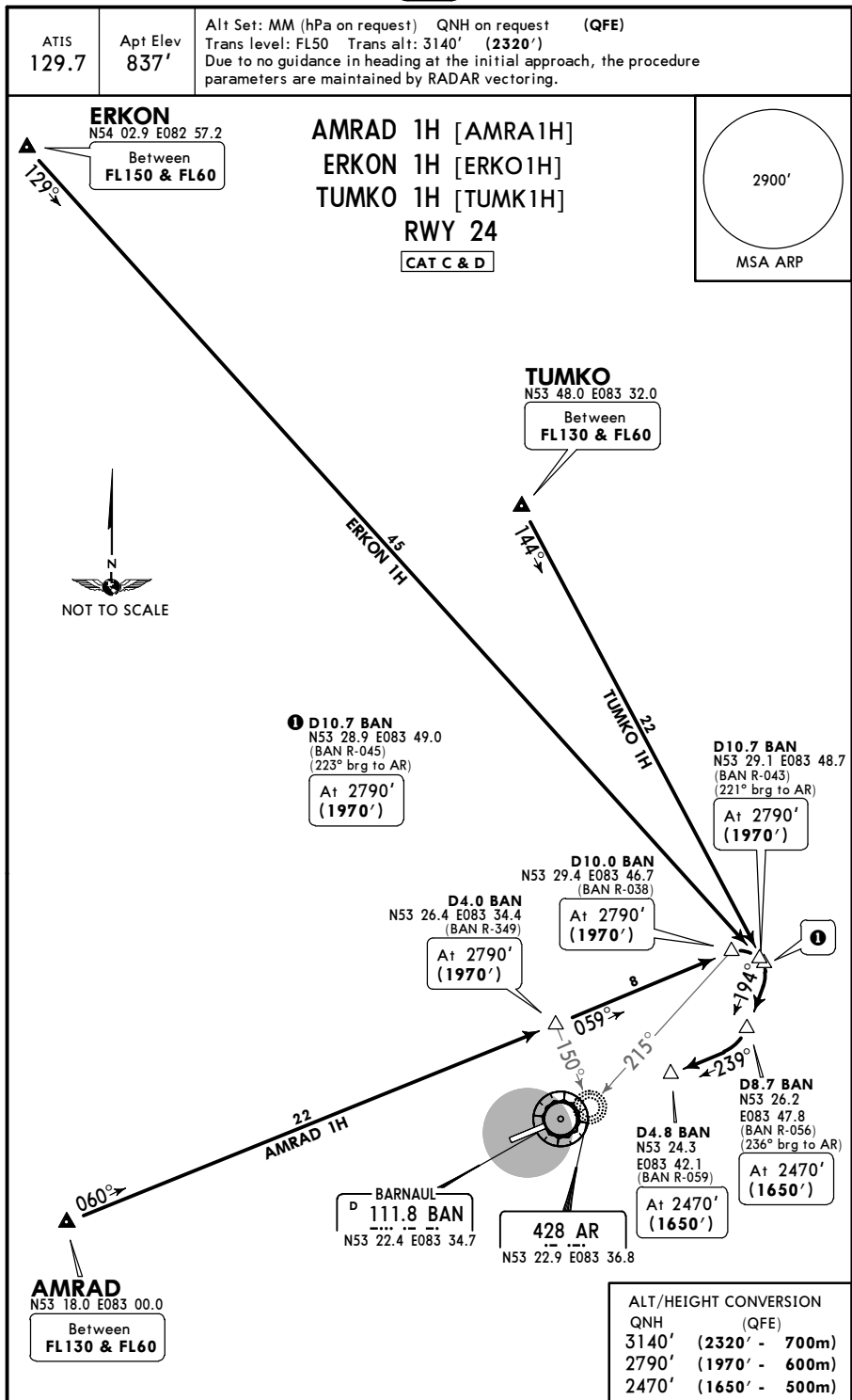
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UNBB/BAX
MIKHAYLOVKA

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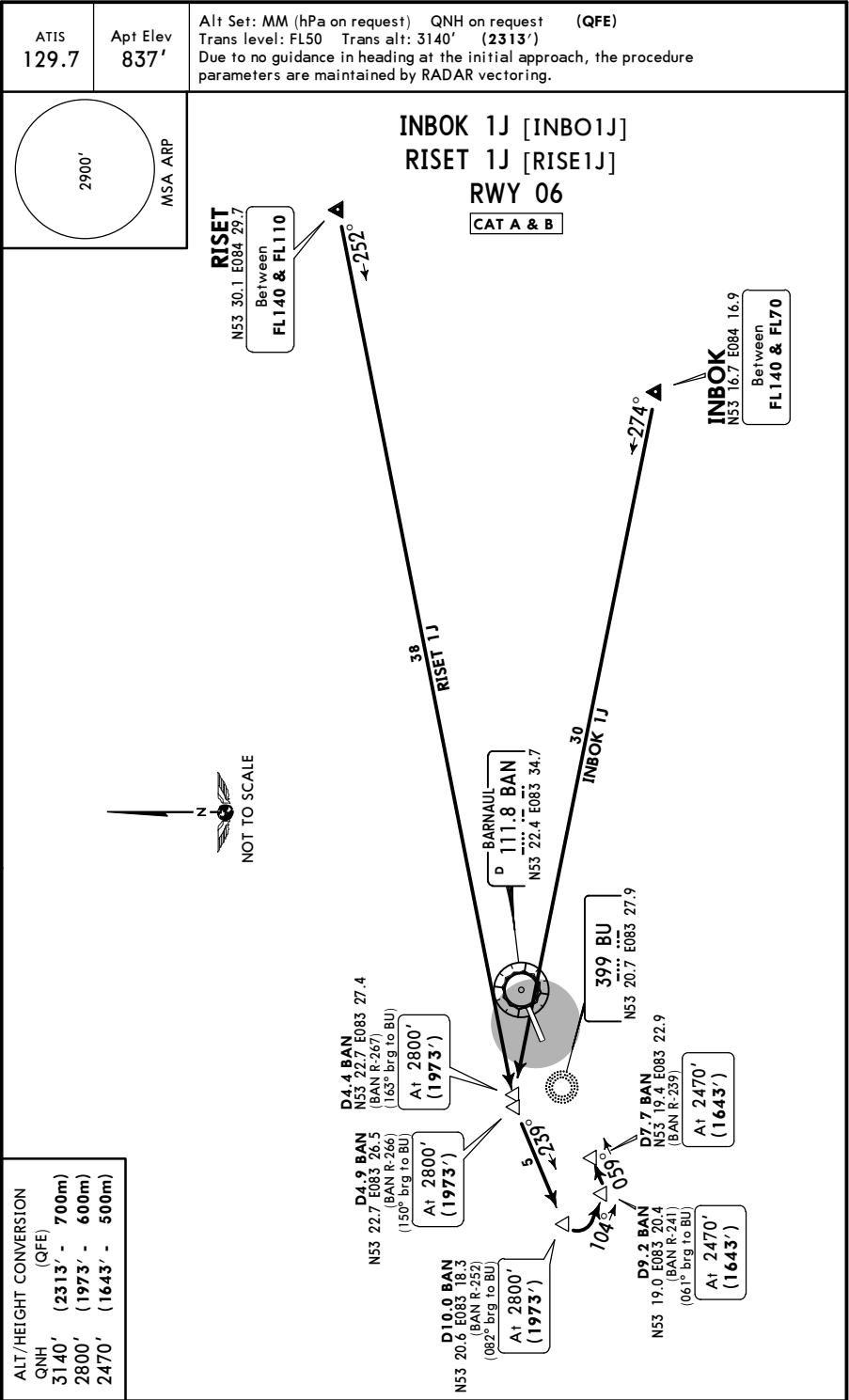
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MIKHAYLOVKA

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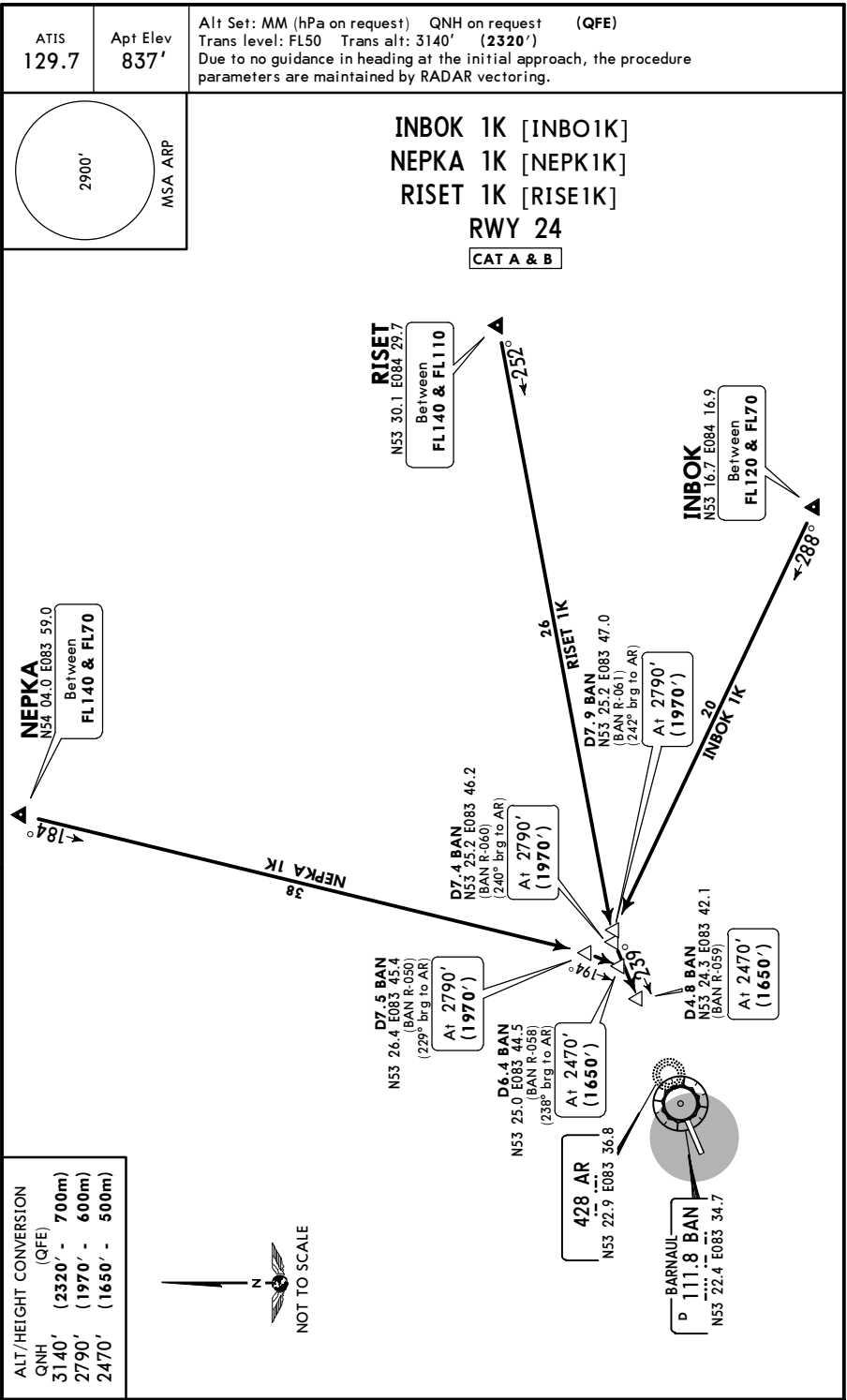
BARNAUL, RUSSIA
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MIKHAYLOVKA

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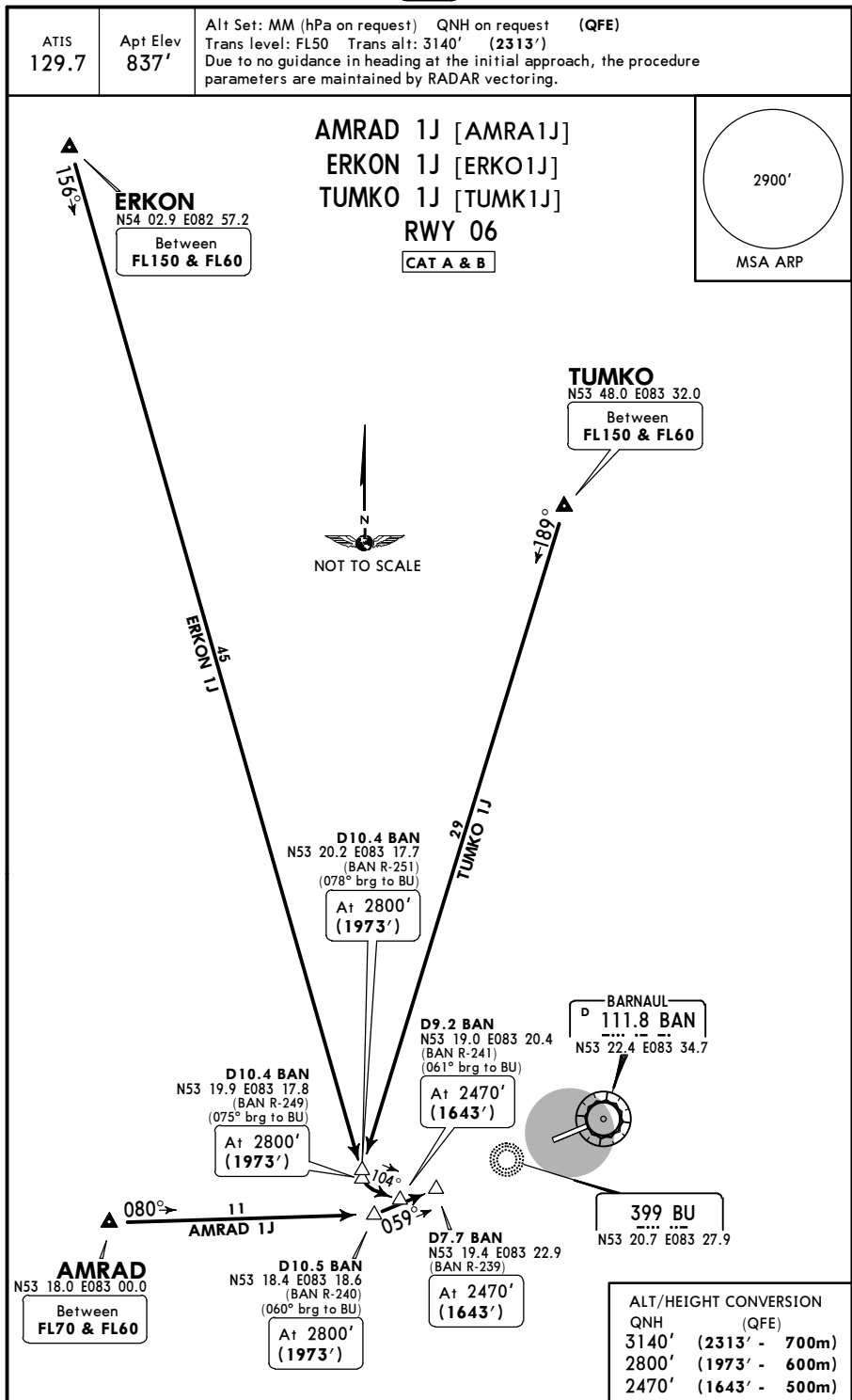
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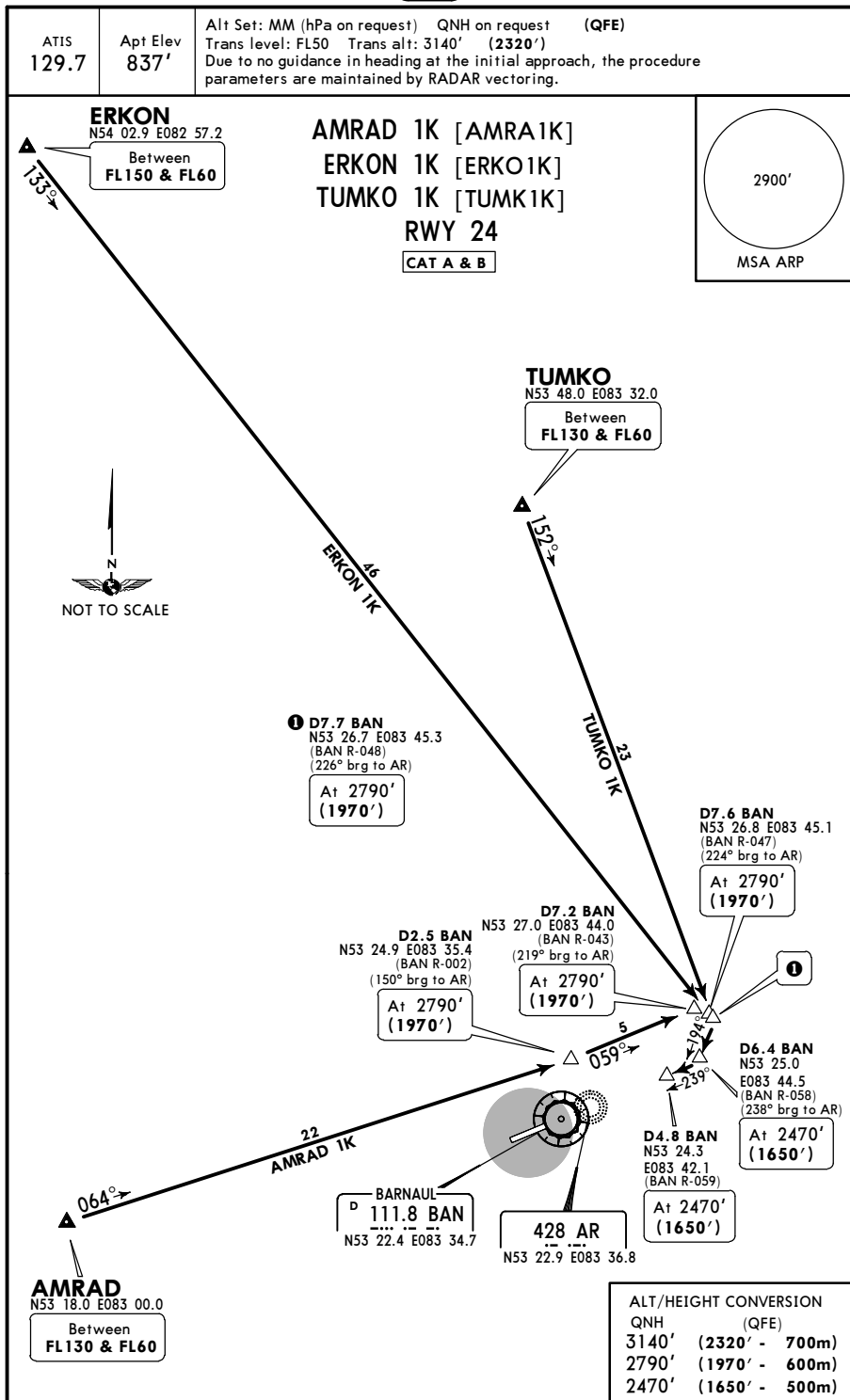
BARNAUL, RUSSIA
STAR



UNBB/BAX
MIKHAYLOVKA

JEPPESSEN
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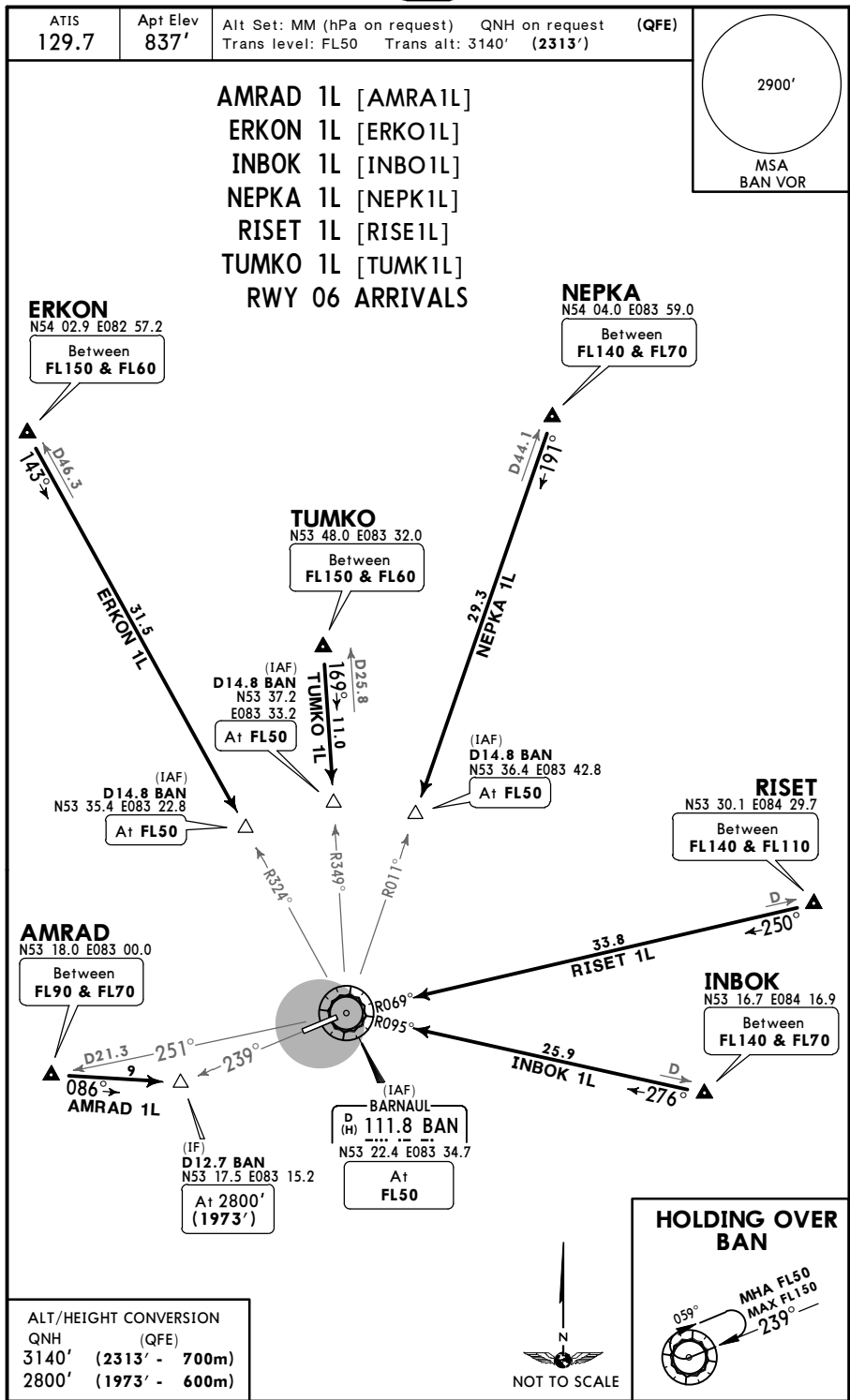
BARNAUL, RUSSIA
STAR



UNBB/BAX
MIKHAYLOVKA

JEPPesen
20 MAR 15 10-2H Eff 2 Apr

BARNAUL, RUSSIA
STAR



UNBB/BAX
MIKHAYLOVKA

20 MAR 15

JEPPESSEN

(10-2J)

Eff 2 Apr

BARNAUL, RUSSIA

STAR

ATIS
129.7

Apt Elev
837'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3140' (2320')

(QFE)

2900'

MSA
BAN VOR

AMRAD 1M [AMRA1M]
ERKON 1M [ERKO1M]
INBOK 1M [INBO1M]
INBOK 1S [INBO1S] ①
NEPKA 1M [NEPK1M]
RISET 1M [RISE1M]
TUMKO 1M [TUMK1M]
RWY 24 ARRIVALS

ERKON

N54 02.9 E082 57.2

Between
FL150 & FL60

NEPKA

N54 04.0 E083 59.0

Between
FL140 & FL70

TUMKO

N53 48.0 E083 32.0

Between
FL150 & FL60

AMRAD

N53 18.0 E083 00.0

Between
FL90 & FL70

RISET

N53 30.1 E084 29.7

Between
FL120 & FL110

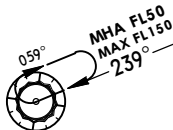
BARNAUL

D (H) 111.8 BAN

N53 22.4 E083 34.7

At
FL50

HOLDING OVER
BAN



① Under RADAR control

ALT/HEIGHT CONVERSION

QNH (QFE)

3140' (2320' - 700m)

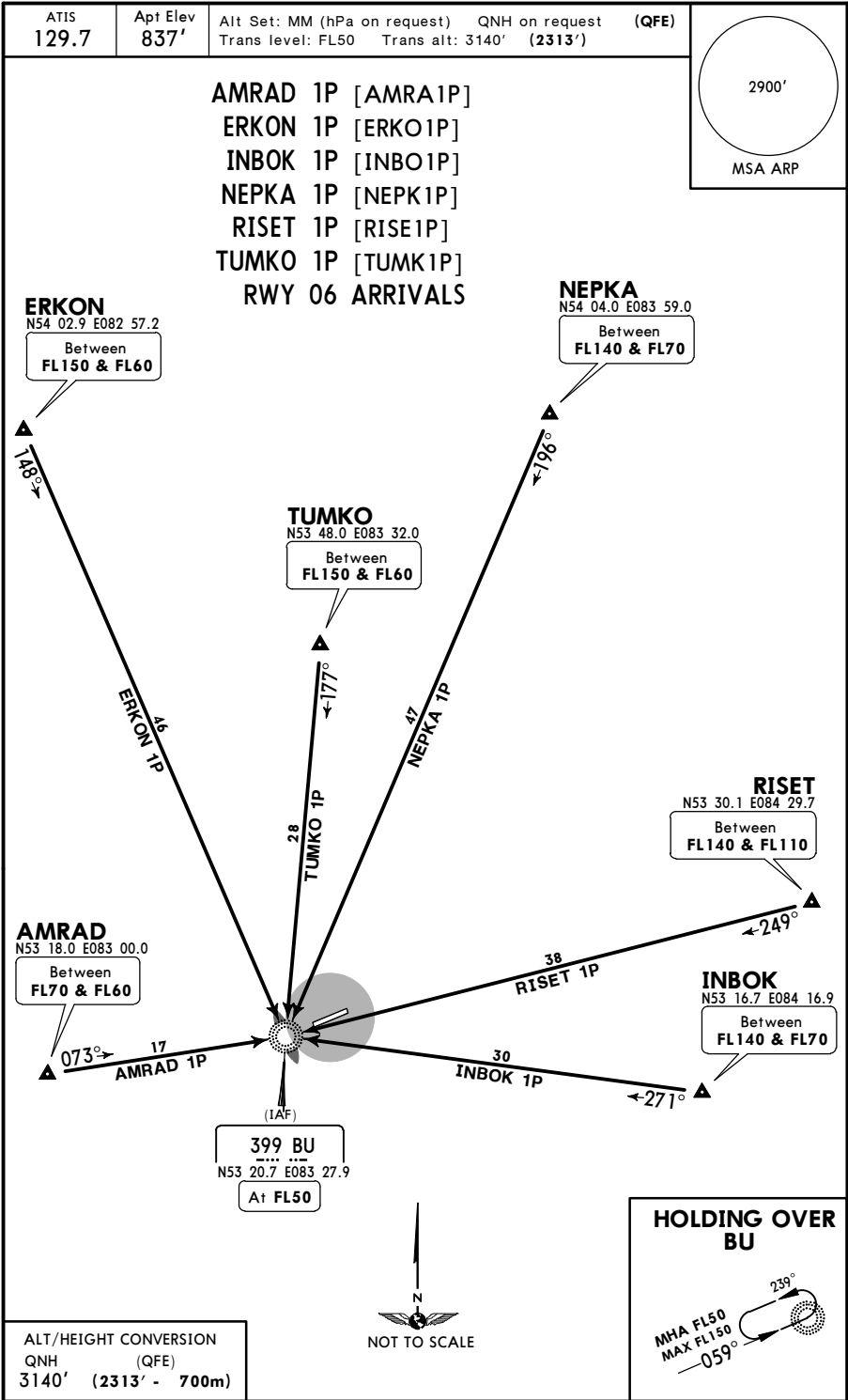
2790' (1970' - 600m)

NOT TO SCALE

UNBB/BAX
MIKHAYLOVKA

JEPPESSEN
20 MAR 15 (10-2K) Eff 2 Apr

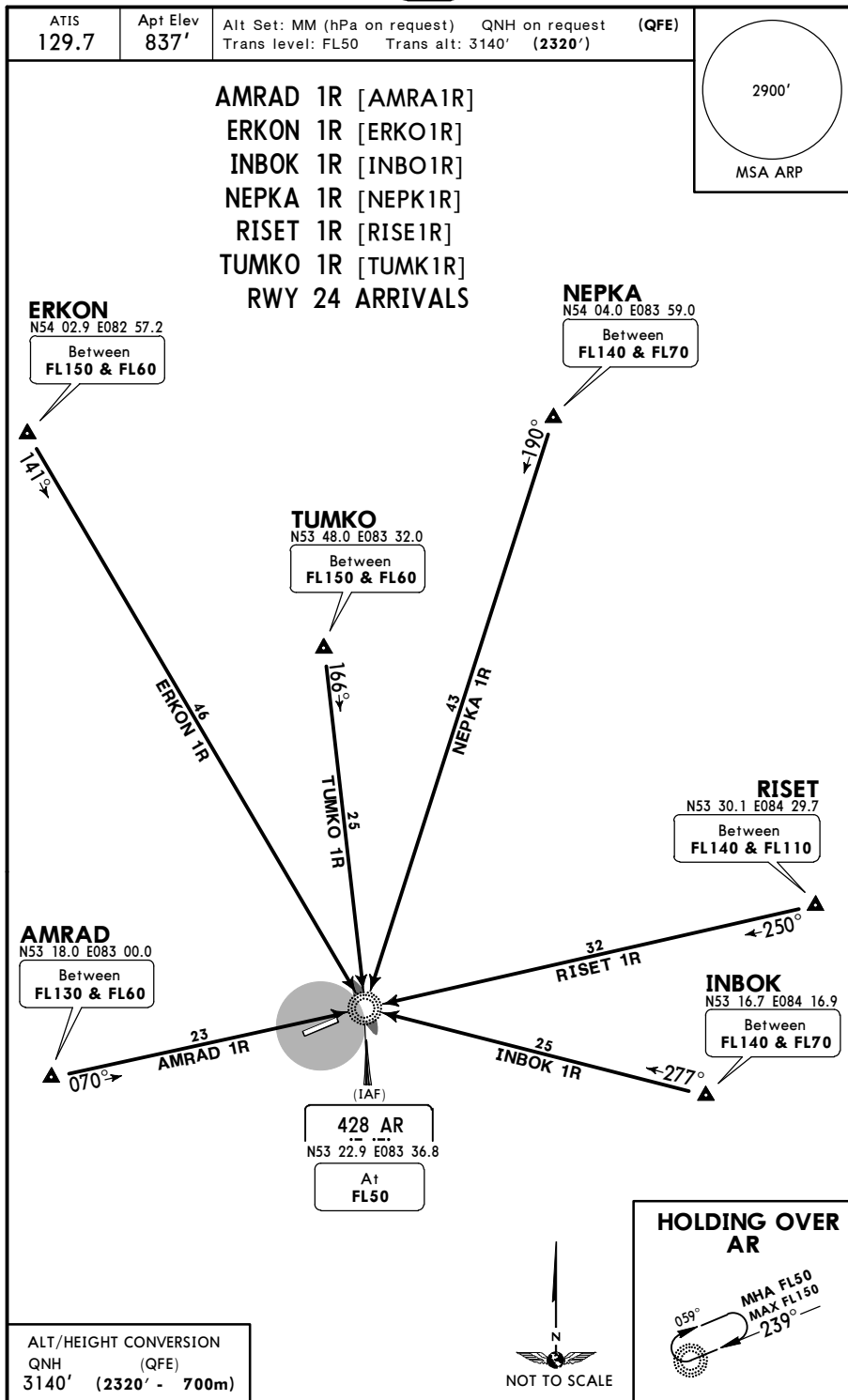
BARNAUL, RUSSIA
STAR



UNBB/BAX
MIKHAYLOVKA

JEPPesen
20 MAR 15 (10-2L) Eff 2 Apr

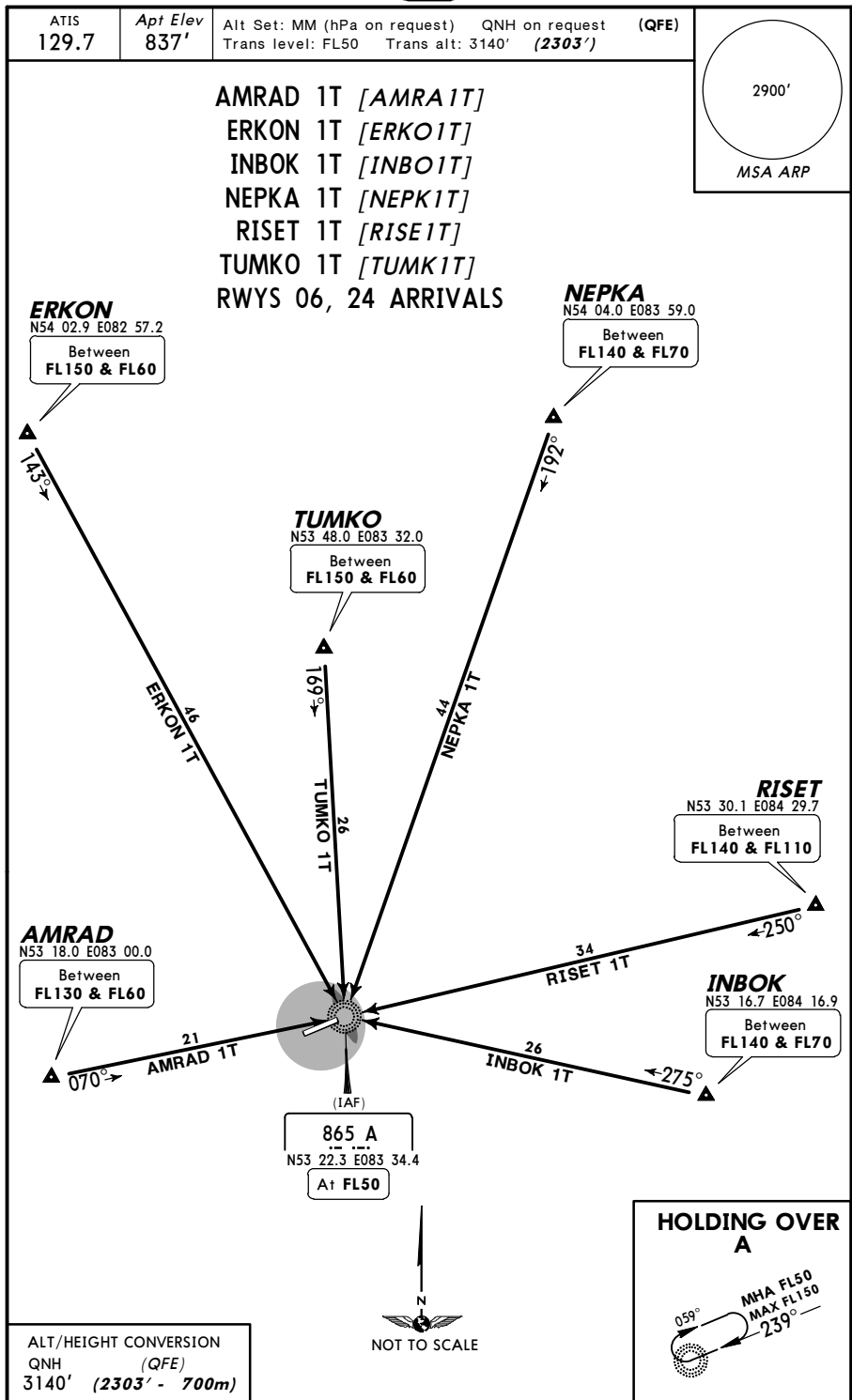
BARNAUL, RUSSIA
STAR



UNBB/BAX
MIKHAYLOVKA

JEPPESSEN
27 FEB 15 (10-2M) Eff 5 Mar

BARNAUL, RUSSIA
STAR



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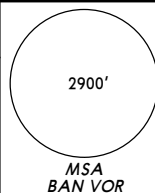
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
27 FEB 15 **(10-3B)** **Eff 5 Mar**

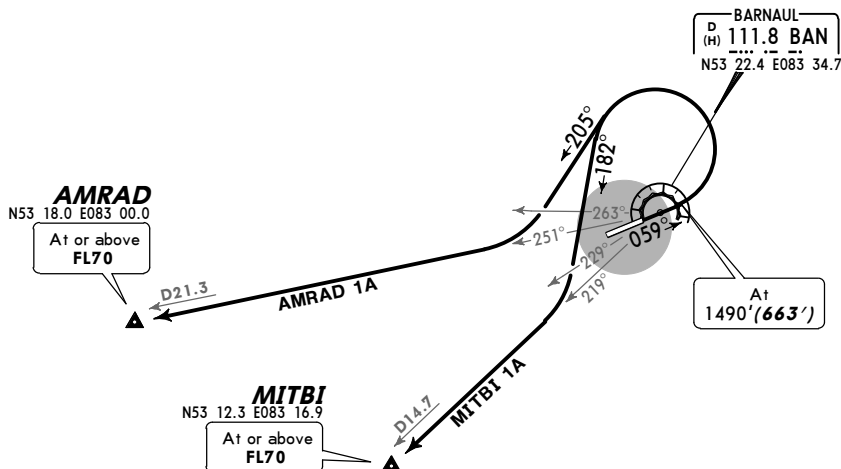
BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' **(2313')**



**AMRAD 1A [AMRA1A]
MITBI 1A [MITB1A]
RWY 06 DEPARTURES**



MITBI 1A

This SID requires a minimum climb gradient
of
3.5% up to FL70 due to airspace structure.

Gnd speed-KT	75	100	150	200	250	300
3.5% V/V (fpm)	266	354	532	709	886	1063

If unable to comply advise ATC.



NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1490'	(663' - 200m)
3140'	(2313' - 700m)

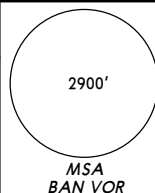
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
27 FEB 15 **(10-3C)** **Eff 5 Mar**

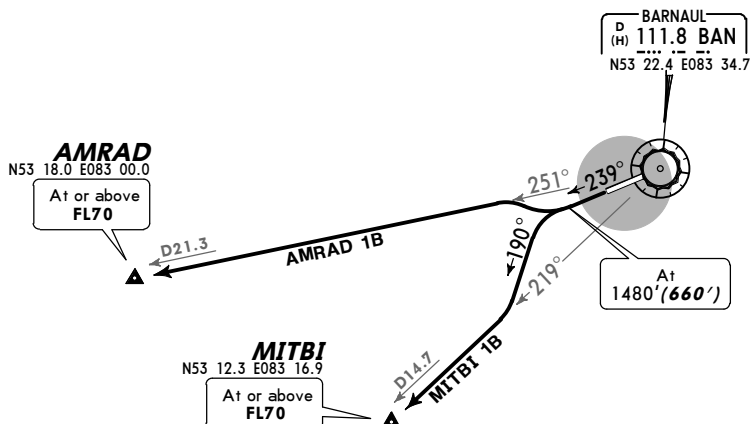
BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' **(2320')**



AMRAD 1B [AMRA1B]
MITBI 1B [MITB1B]
RWY 24 DEPARTURES



These SIDs require minimum climb gradients
of

AMRAD 1B: 5.3% up to FL70 due to airspace structure.

MITBI 1B: 7.7% up to FL70 due to airspace structure.

Gnd speed-KT	75	100	150	200	250	300
5.3% V/V (fpm)	403	537	805	1073	1342	1610
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

If unable to comply advise ATC.



NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1480'	(660' - 200m)
3140'	(2320' - 700m)

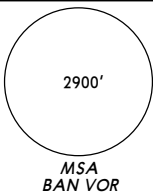
UNBB/BAX
MIKHAYLOVKA

JEPPESSEN
27 FEB 15 (10-3D) Eff 5 Mar

BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' (2313')



ERKON 1A [ERKO1A]
NEPKA 1A [NEPK1A]
TUMKO 1A [TUMK1A]
RWY 06 DEPARTURES

ERKON
N54 02.9 E082 57.2
At or above
FL60

NEPKA
N54 04.0 E083 59.0
At or above
FL70

TUMKO
N53 48.0 E083 32.0
At or above
FL60

BARNAUL
D (H) 111.8 BAN
N53 22.4 E083 34.7

At
1490' (663')



ALT/HEIGHT CONVERSION
QNH (QFE)
1490' (663' - 200m)
3140' (2313' - 700m)

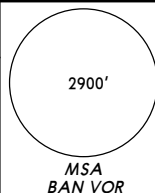
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
27 FEB 15 **(10-3E)** **Eff 5 Mar**

BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' **(2320')**



ERKON 1B [ERKO1B]
NEPKA 1B [NEPK1B]
TUMKO 1B [TUMK1B]
RWY 24 DEPARTURES

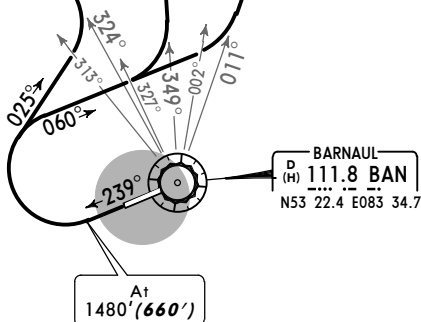
ERKON
N54 02.9 E082 57.2
At or above
FL60

NEPKA
N54 04.0 E083 59.0
At or above
FL70

TUMKO
N53 48.0 E083 32.0
At or above
FL60



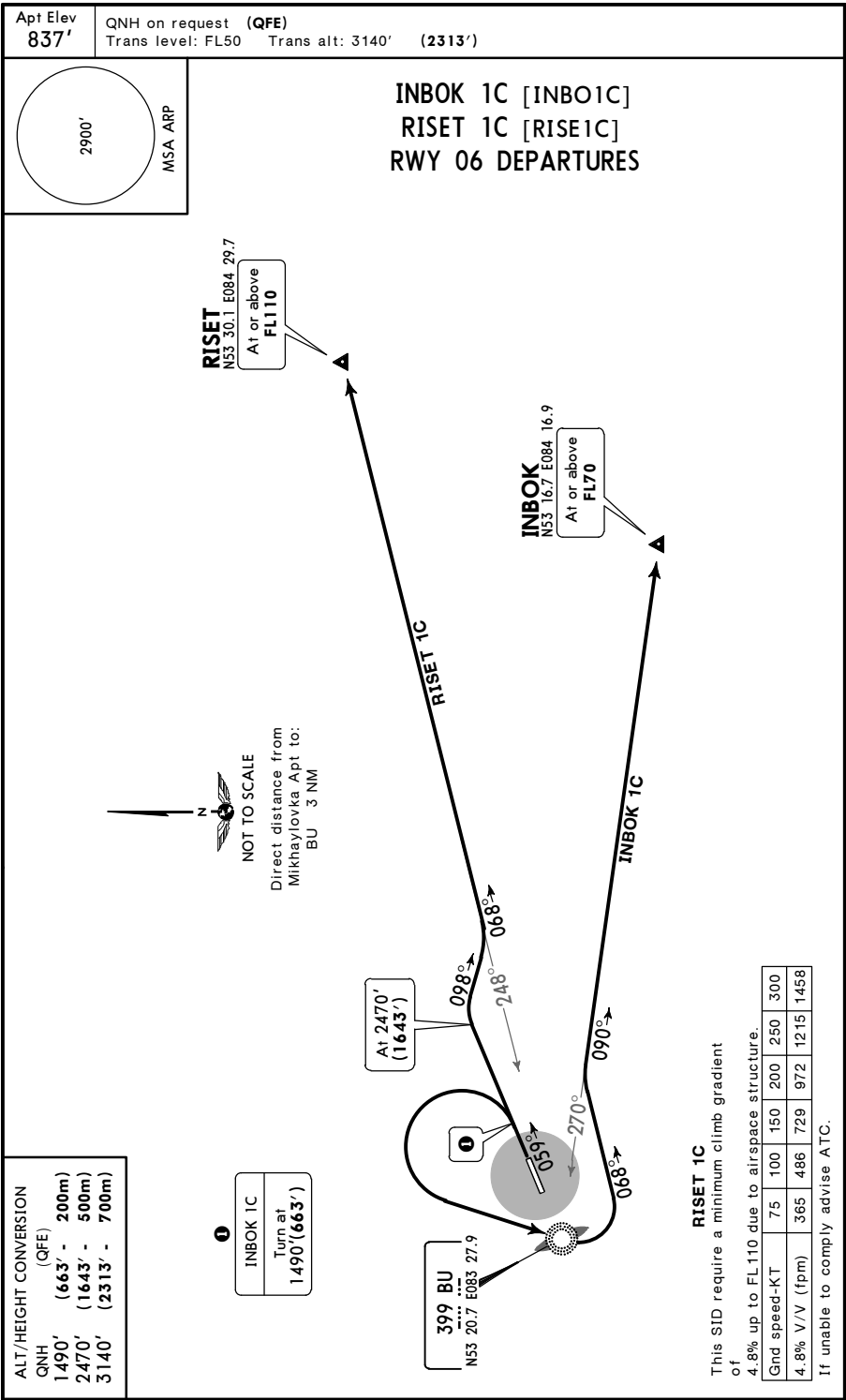
ALT/HEIGHT CONVERSION
QNH (QFE)
1480' **(660' - 200m)**
3140' **(2320' - 700m)**



UNBB/BAX
MIKHAYLOVKA

JEPPESSEN
17 APR 15 10-3F Eff 30 Apr

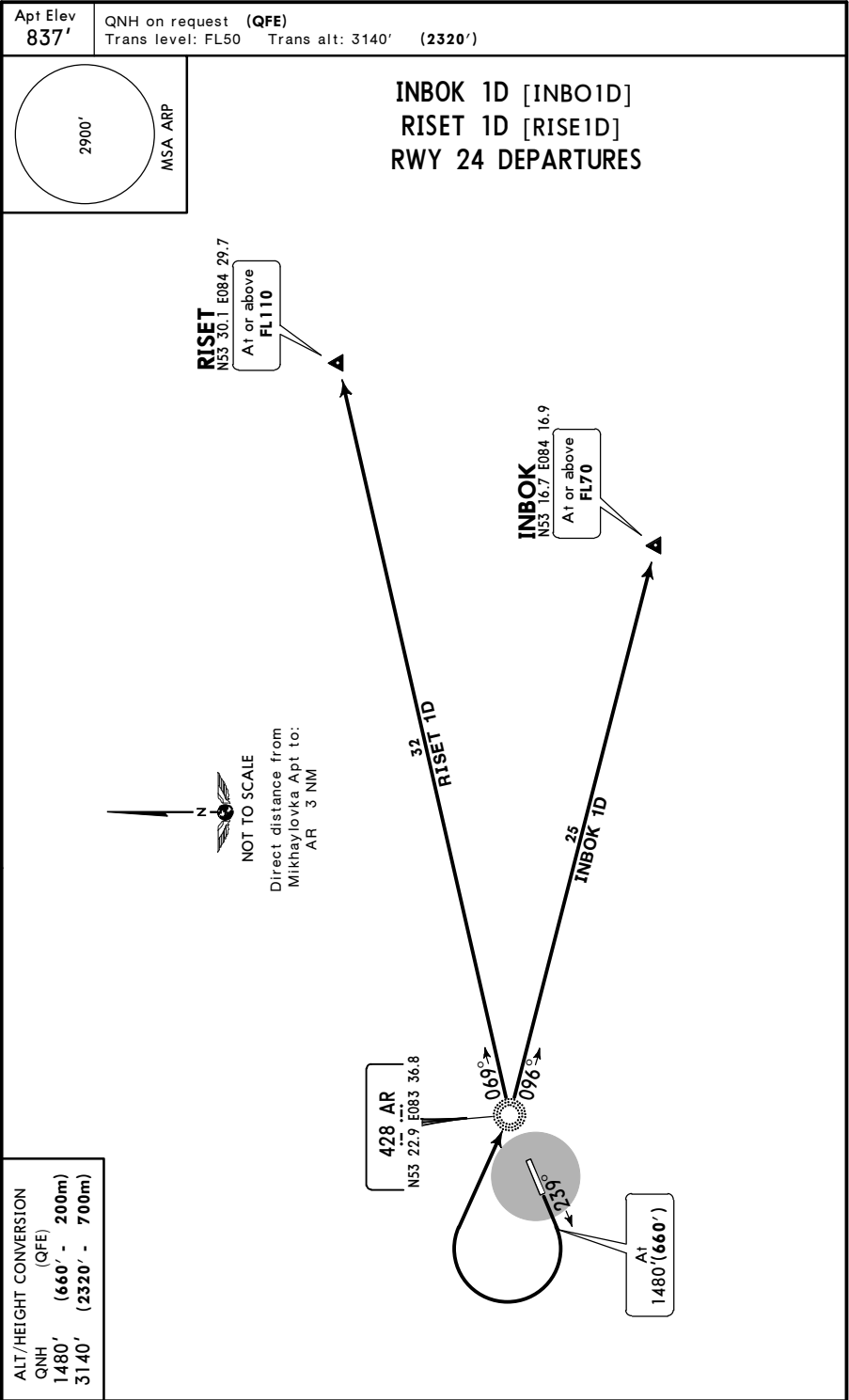
BARNAUL, RUSSIA
SID



UNBB/BAX
MIKHAYLOVKA

JEPPesen
17 APR 15 (10-3G) Eff 30 Apr

BARNAUL, RUSSIA
SID



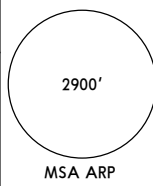
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
17 APR 15 **(10-3H)** **Eff 30 Apr**

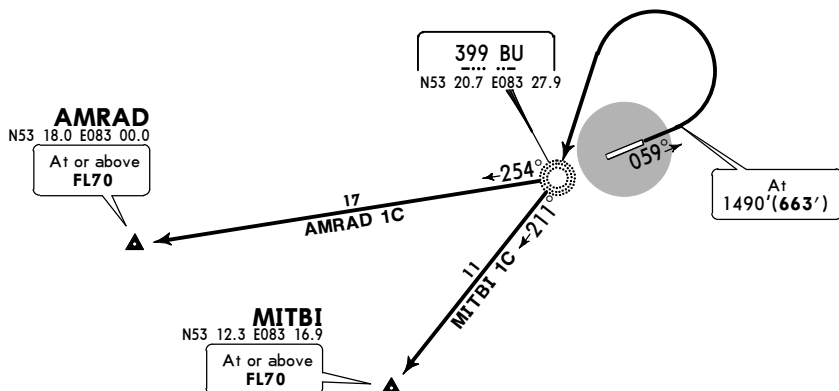
BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' (2313')



AMRAD 1C [AMRA1C]
MITBI 1C [MITB1C]
RWY 06 DEPARTURES



Direct distance from
Mikhaylovka Apt to:
BU 3 NM



NOT TO SCALE

MITBI 1C

This SID requires a minimum climb gradient
of
3.5% up to FL70 due to airspace structure.

Gnd speed-KT	75	100	150	200	250	300
3.5% V/V (fpm)	266	354	532	709	886	1063

If unable to comply advise ATC.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1490'	(663' - 200m)
3140'	(2313' - 700m)

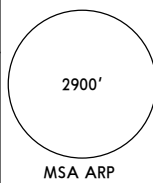
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
17 APR 15 **(10-3J)** **Eff 30 Apr**

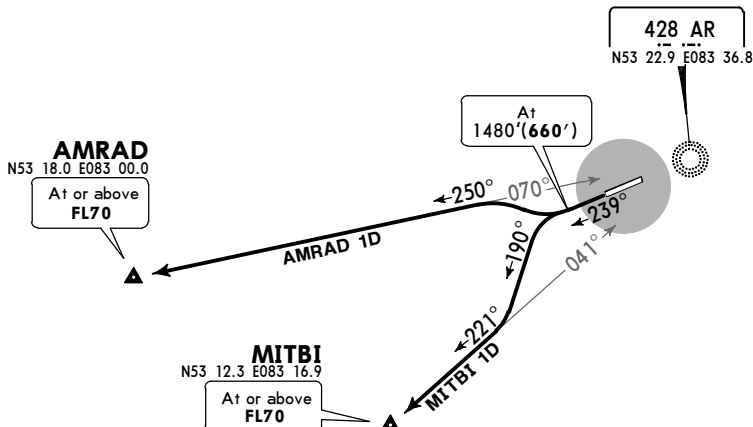
BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request **(QFE)**
Trans level: FL50 Trans alt: 3140' **(2320')**



AMRAD 1D [AMRA1D]
MITBI 1D [MITB1D]
RWY 24 DEPARTURES



Direct distance from
Mikhaylovka Apt to:
AMRAD 20 NM
MITBI 13 NM



NOT TO SCALE

These SIDs require minimum climb gradients
of
AMRAD 1D: 5.3% up to FL70 due to airspace structure.
MITBI 1D: 7.6% up to FL70 due to airspace structure.

Gnd speed-KT	75	100	150	200	250	300
5.3% V/V (fpm)	403	537	805	1073	1342	1610
7.6% V/V (fpm)	577	770	1154	1539	1924	2309

If unable to comply advise ATC.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1480'	(660' - 200m)
3140'	(2320' - 700m)

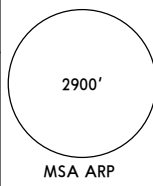
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
17 APR 15 (10-3K) Eff 30 Apr

BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' (2313')



ERKON 1C [ERKO1C]
NEPKA 1C [NEPK1C]
TUMKO 1C [TUMK1C]
RWY 06 DEPARTURES

ERKON
N54 02.9 E082 57.2
At or above
FL60

NEPKA
N54 04.0 E083 59.0
At or above
FL70

TUMKO
N53 48.0 E083 32.0
At or above
FL60

Direct distance from
Mikhaylovka Apt to:
ERKON 46 NM
NEPKA 45 NM
TUMKO 26 NM



399 BU
N53 20.7 E083 27.9

At
1490'(663')

ALT/HEIGHT CONVERSION
QNH (QFE)
1490' (663' - 200m)
3140' (2313' - 700m)

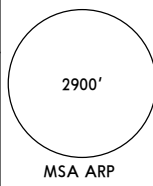
UNBB/BAX
MIKHAYLOVKA

 **JEPPESSEN**
17 APR 15 **(10-3L)** **Eff 30 Apr**

BARNAUL, RUSSIA
SID

Apt Elev
837'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3140' (2320')



ERKON 1D [ERKO1D]
NEPKA 1D [NEPK1D]
TUMKO 1D [TUMK1D]
RWY 24 DEPARTURES

ERKON
N54 02.9 E082 57.2
At or above
FL60

NEPKA
N54 04.0 E083 59.0
At or above
FL70

TUMKO
N53 48.0 E083 32.0
At or above
FL60

Direct distance from
Mikhaylovka Apt to:
ERKON 46 NM
NEPKA 45 NM
TUMKO 26 NM



ALT/HEIGHT CONVERSION
QNH (QFE)
1480' (660' - 200m)
3140' (2320' - 700m)

At
1480'(660')

428 AR
N53 22.9 E083 36.8

UNBB/BAX

Apt Elev 837'
N53 21.8 E083 32.4

JEPPesen

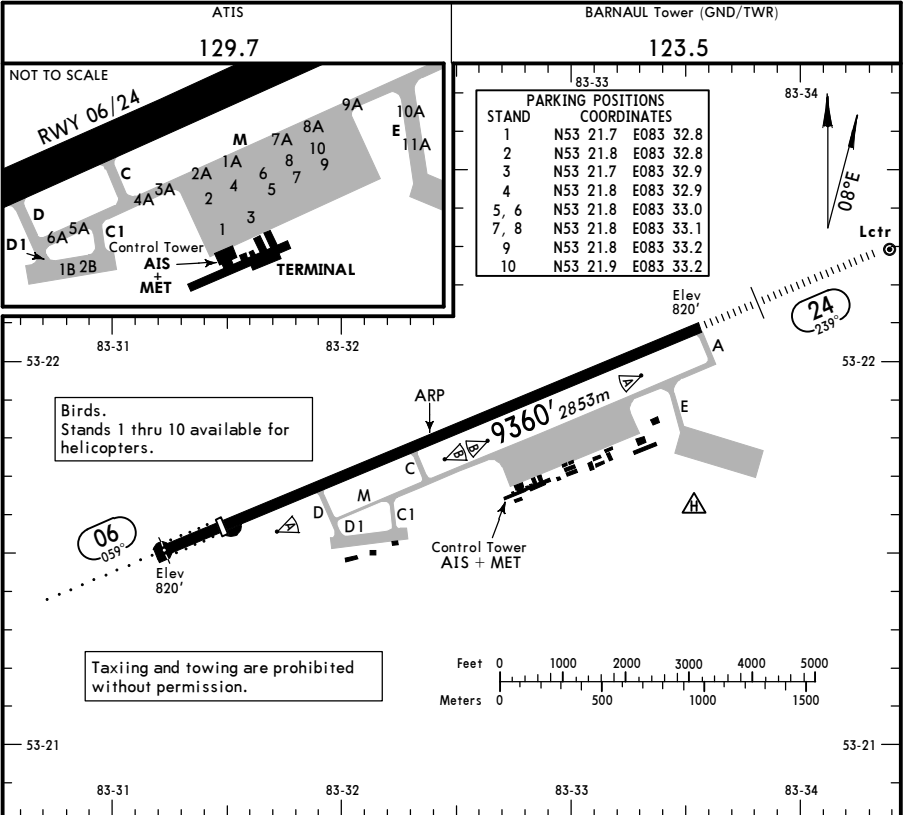
27 FEB 15

10-9

Eff 5 Mar

BARNAUL, RUSSIA

MIKHAYLOVKA



ADDITIONAL RUNWAY INFORMATION

RWY				RVR	USABLE LENGTHS		TAKE-OFF	WIDTH
					Threshold	Glide Slope		
06	HIRL (60m) ALS(white/red) PAPI-L (2.67°)				8218' 2505m		1	164'
24	HIRL (60m) HIALS PAPI-L (2.67°)					8449' 2575m		50m

1 TAKE-OFF RUN AVAILABLE

RWY 06:

From rwy head 9360' (2853m)
displ threshold 8219' (2505m)

LOW VISIBILITY PROCEDURES (LVP)

LVP applied when RVR less than 550m. ATC will use phraseology: "LVP in progress. Check your minimum."
Taxiing to the rwy holding position line for take-off from rwy 06 shall be carried out along Twy M with holding before Twy D, from rwy 24 along Twy M with holding before Twy A.
Flight crew should read back all instructions on holding near the rwy before Twy A, C or D.
Take-off not from runway beginning is prohibited.
Take-off without stopping at line-up position after taxiing onto runway is prohibited.

TAKE-OFF

AIR CARRIER (JAA)

All Rwys

LVP must be in force
RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A		
B	250m	400m
C		
D	300m	

UNBB/BAX


JEPPESSEN
 17 JUL 15 **10-9S** Eff 23 Jul

Standard
BARNAUL, RUSSIA
MIKHAYLOVKA

STRAIGHT-IN RWY		A	B	C	D
06	ILS	1020'(200')	1020'(200')	1020'(200')	1020'(200')
	FULL	R1000m	R1000m	R1000m	R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1150'(323')	1150'(323')	1150'(323')	1150'(323')
		R1300m	R1300m	R1300m	R1300m
	ALS out	R1500m	R1500m	R1500m	R1500m
	NDB Z or X or V ❷	1190'(363')	1190'(363')	1190'(363')	1190'(363')
		R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	R1700m	R1700m
24	NDB V ❸	1580'(753')	1580'(753')	1580'(753')	1580'(753')
		C3500m	C3500m	C3700m	C3700m
	ALS out	C3700m	C3700m	C3900m	C3900m
	NDB T ❸	1380'(553')	1380'(553')	1380'(553')	1380'(553')
		C2500m	C2500m	C2700m	C2700m
	ALS out	C2700m	C2700m	C2900m	C2900m
	ILS	1020'(200')	1020'(200')	1020'(200')	1020'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
2	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1150'(330')	1150'(330')	1150'(330')	1150'(330')
		R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	2 NDB Y/W or U ❷	1190'(370')	1190'(370')	1190'(370')	1190'(370')
		R1000m	R1000m	R1000m	R1000m
	ALS out	R1500m	R1500m	R1700m	R1700m
	2 NDB U ❸	1660'(840')	1660'(840')	1660'(840')	1660'(840')
		C3300m	C3300m	C3500m	C3500m
	ALS out	C4000m	C4000m	C4200m	C4200m
	NDB Y/W or U ❷	1190'(370')	1190'(370')	1190'(370')	1190'(370')
		R1000m	R1000m	R1000m	R1000m
	ALS out	R1500m	R1500m	R1700m	R1700m
	NDB U ❸	1830'(1010')	1830'(1010')	1830'(1010')	1830'(1010')
		C4300m	C4300m	C4500m	C4500m
	ALS out	C5000m	C5000m	C5000m	C5000m
	NDB S ❸	1550'(730')	1550'(730')	1550'(730')	1550'(730')
		C2900m	C2900m	C3100m	C3100m
	ALS out	C3600m	C3600m	C3800m	C3800m

❶ Continuous Descent Final Approach.

❷ with FAF.

❸ w/o FAF.

UNBB/BAX

 **JEPPesen**

17 JUL 15

10-9S

Eff 23 Jul

Standard

BARNAUL, RUSSIA
MIKHAYLOVKA

CIRCLE-TO-LAND ❶	A	B	C	D
to rwy 06 ❷	1770'(943')	1770'(943')	1870'(1043')	1870'(1043')
to rwy 24 ❸	1770'(950') ❹	1770'(950') ❹	1870'(1050') ❹	1870'(1050') ❹
	V1500m	V1600m	V2400m	V3600m

- ❶ Prohibited South of airport.
- ❷ Circling height based on rwy 06 displ thresh elev of 827'.
- ❸ Circling height based on rwy 24 thresh elev of 820'.
- ❹ or higher minimums of preceding straight-in approach.

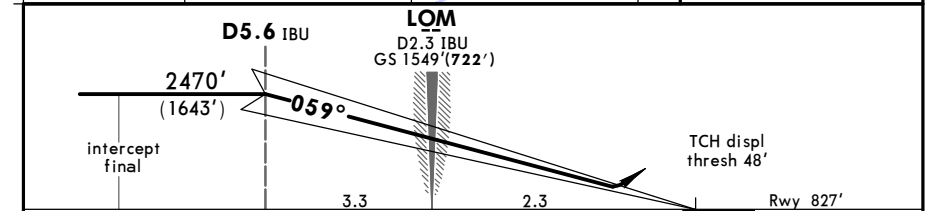
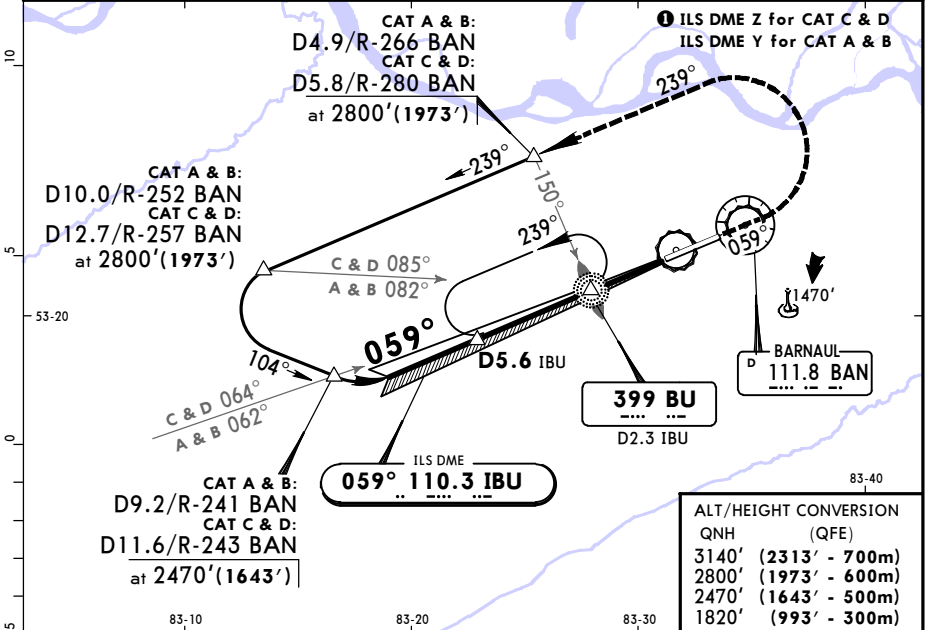
TAKE-OFF RWY 06, 24		
LVP must be in Force		
	RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m
B		
C		
D	300m	500m

UNBB/BAX
MIKHAYLOVKA

JEPPesen
18 MAR 16
Eff 31 Mar 11-1

BARNAUL, RUSSIA
① ILS DME Z or Y Rwy 06

ATIS 129.7		BARNAUL Tower (APP/SRE/TWR) 123.5		Ground 123.5	
LOC IBU 110.3	Final Apch Crs 059°	GS LOM 1549'(722')	ILS DA(H) 1027'(200')	Apt Elev 837' Rwy 827'	2900' MSA ARP
MISSED APCH: Climb on 059° to 1820'(993'), then turn LEFT onto 239° climbing to 2800'(1973'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50	Trans alt: 3140'(2313')



Gnd speed-Kts	70	90	100	120	140	160	ALS	1820'(993')	on 059°	239°	2800'(1973')
GS	2.67°	331	425	472	567	661	756	PAPI		LT	

STRAIGHT-IN LANDING RWY 06				CIRCLE-TO-LAND 1		
ILS		LOC (GS out)		Prohibited South of airport		
DA(H) 1027'(200')				Max Kts	MDA(H)	
FULL		ALS out				
A	1200m		NOT AUTH		100	1770' (943') 2000m
B					135	
C					180	1870' (1043') 4800m
D					205	

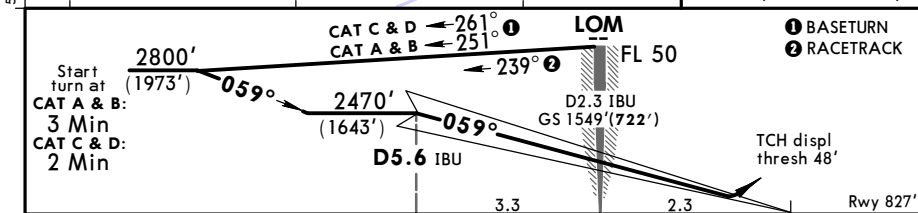
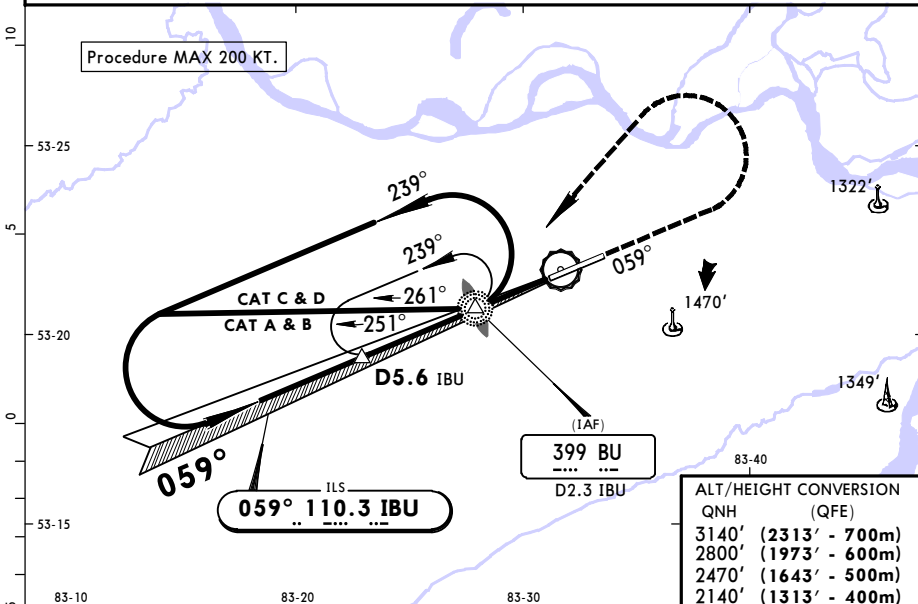
① Circling height based on rwy 06 displaced thresh elev of 827'.

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MIKHAYLOVKA

JEPPESSEN
18 MAR 16 11-2 Eff 31 Mar

BARNAUL, RUSSIA
ILS DME X Rwy 06

BRIEFING STRIP™	ATIS 129.7		BARNAUL Tower (APP/SRE/TWR) 123.5		Ground 123.5	
	LOC IBU 110.3	Final Apch Crs 059°	GS LOM 1549'(722')	ILS DA(H) 1027'(200')	Apt Elev 837' Rwy 827'	2900' MSA ARP
	MISSED APCH: Climb on 059° to 2140'(1313'), then turn LEFT to NDB climbing to 2800'(1973'), then according to chart.					
	Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50	
						Trans alt: 3140'(2313')



Gnd speed-Kts	70	90	100	120	140	160	ALS		2140' (1313')	059°	BU 399	2800' (1973')
GS	2.67°	331	425	472	567	661	PAPI		↑	on	LT	↑

STRAIGHT-IN LANDING RWY 06				CIRCLE-TO-LAND I	
ILS		LOC (GS out)		Prohibited South of airport	
DA(H) 1027'(200')					
FULL		ALS out			
A	1200m		NOT AUTH	Max Kts	MDA(H)
B				100	1770' (943') 2000m
C				135	
D				180	1870' (1043') 4800m
				205	

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BRIEFING STRIP TM

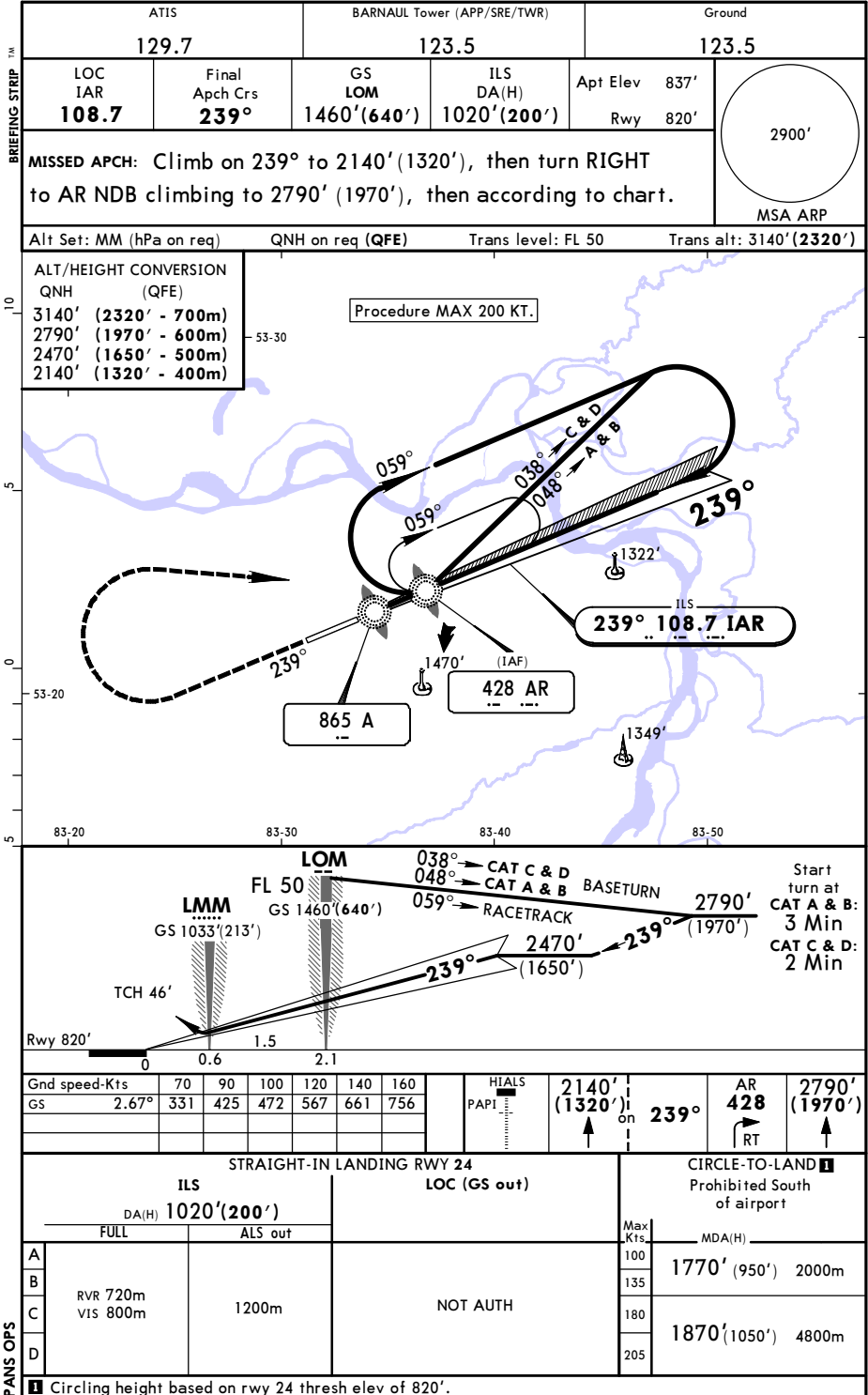
20\$ OPS

1 Circling height based on rwy 06 displaced thresh elev of 827'.

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JEPPESEN
18 MAR 16 (11-5) Eff 31 Mar

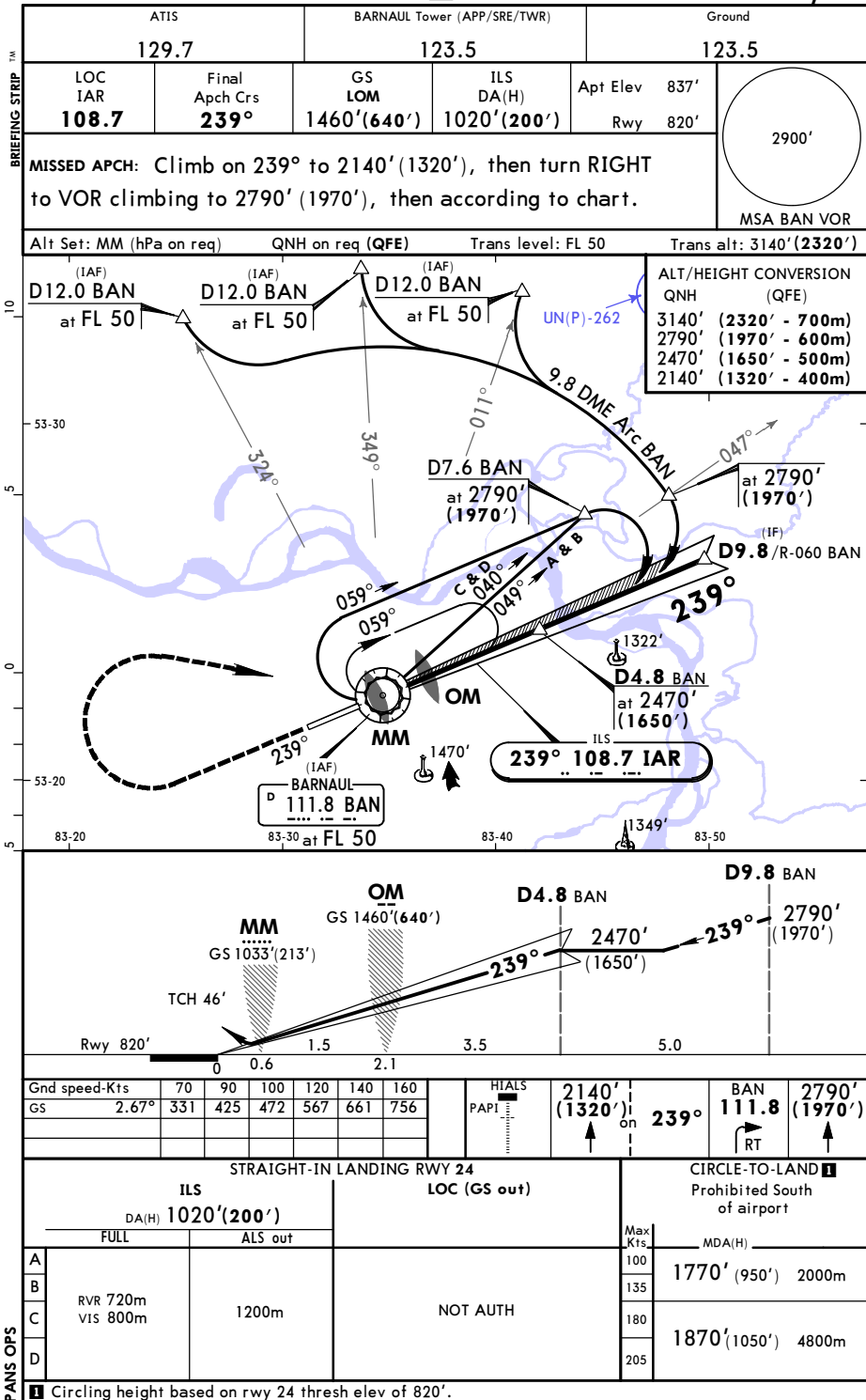
BARNAUL, RUSSIA
ILS X Rwy 24



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JEPPESEN
18 MAR 16 (11-6) Eff 31 Mar

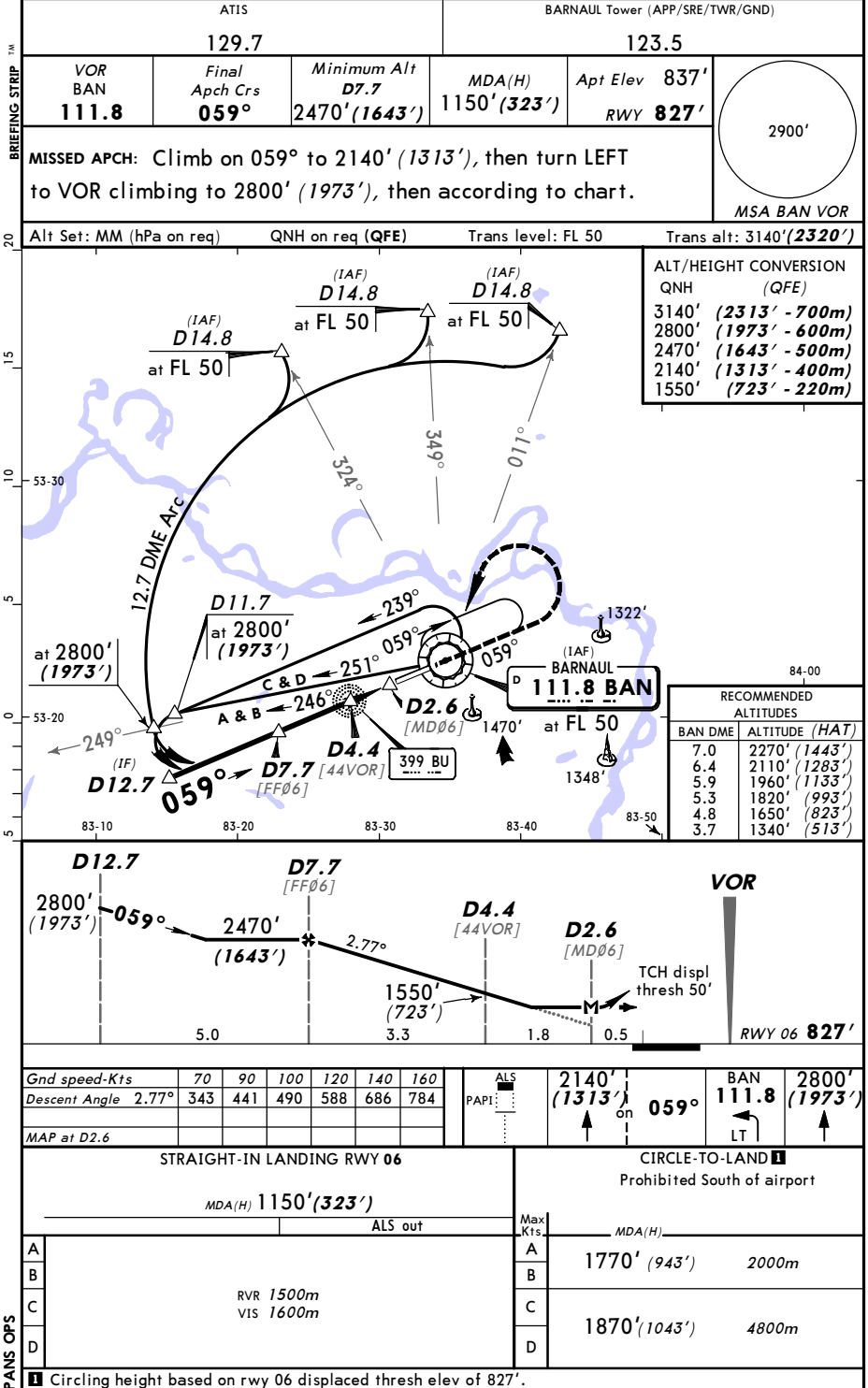
BARNAUL, RUSSIA
ILS W Rwy 24



UNBB/BAX
MIKHAYKOVKA

JEPPesen
27 FEB 15 **13-1** Eff 5 Mar

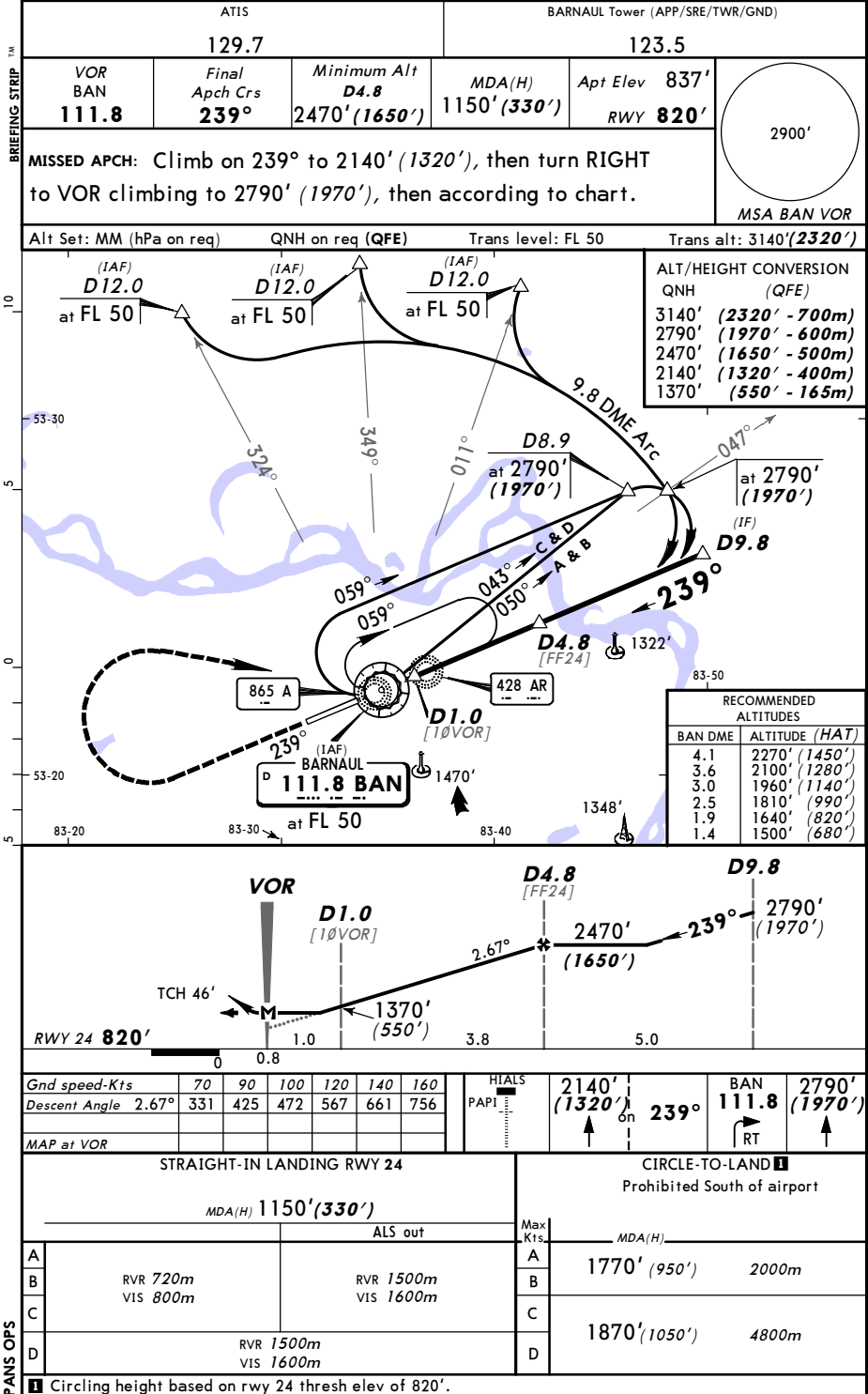
BARNAUL, RUSSIA
VOR DME Rwy 06



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MIKHAYKOVKA

JEPPesen
27 FEB 15 13-2 Eff 5 Mar

BARNAUL, RUSSIA
VOR DME Rwy 24



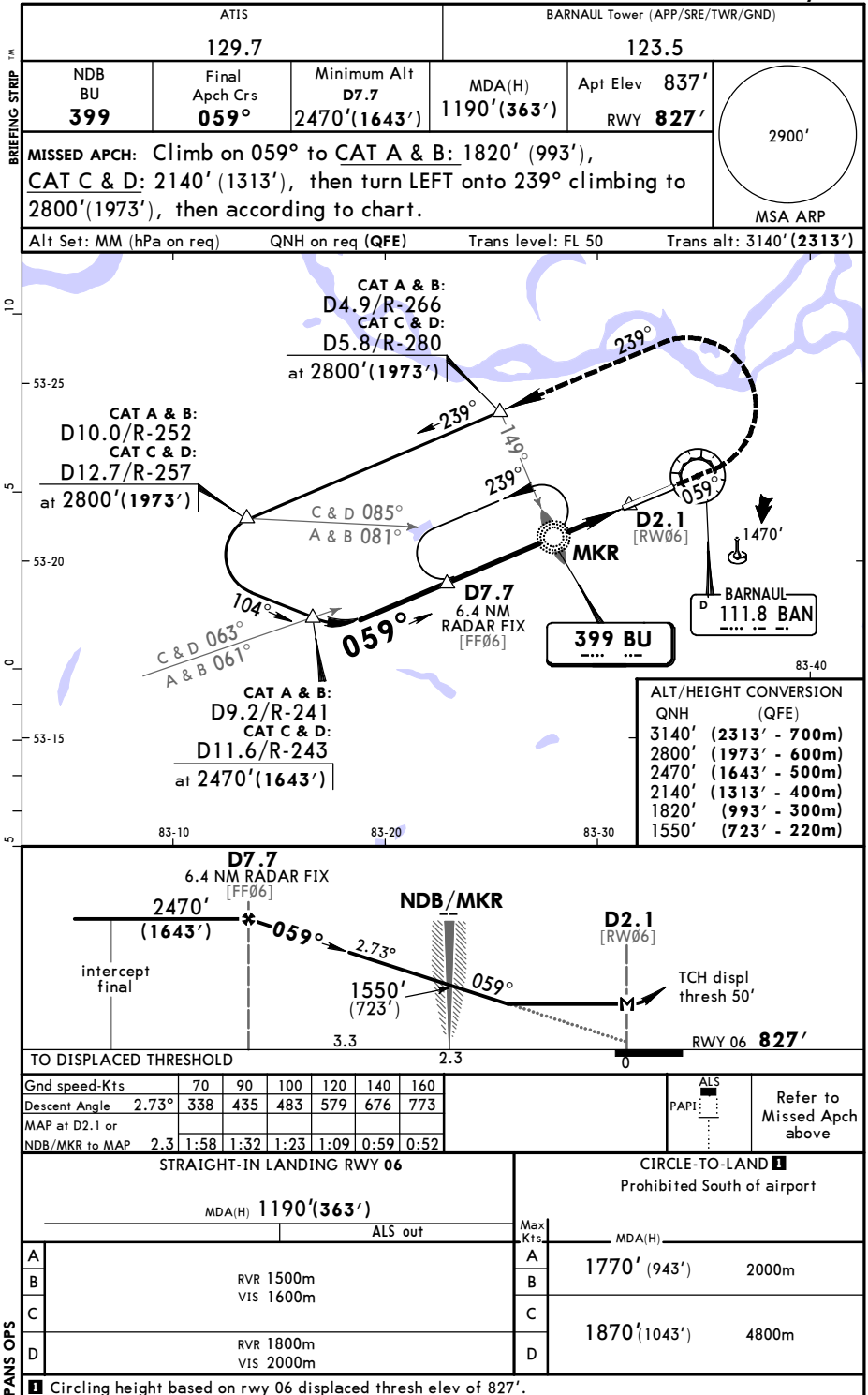
UNBB/BAX
MIKHAYKOVKA

JEPPESSEN

20 MAR 15 16-1

Eff 2 Apr

BARNAUL, RUSSIA
NDB Z or X Rwy 06

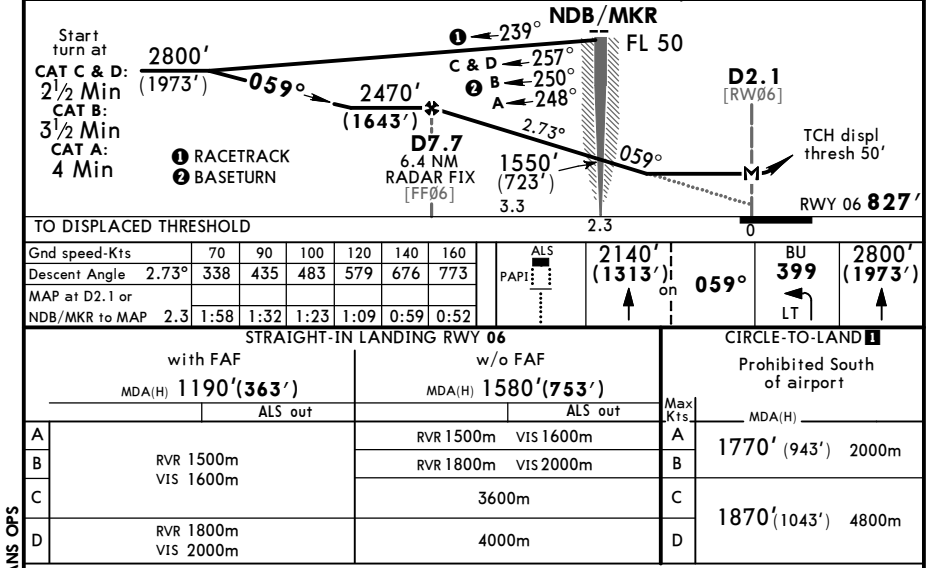
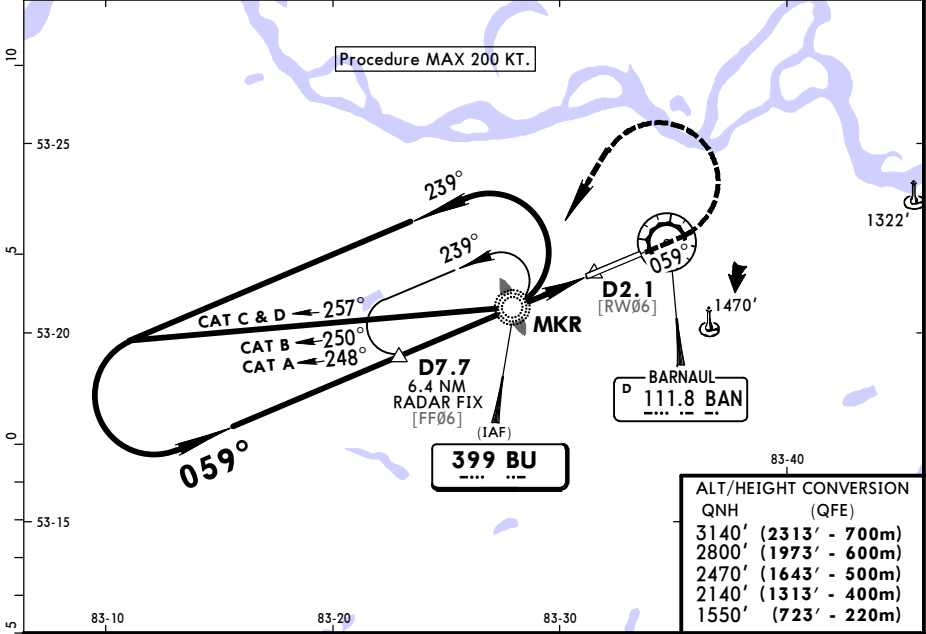


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JEYPESEN
20 MAR 15 (16-2) Eff 2 Apr

BARNAUL, RUSSIA
NDB V Rwy 06

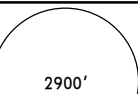
ATIS 129.7				BARNAUL Tower (APP/SRE/TWR/GND) 123.5		
NDB BU 399	Final Apch Crs 059°	Minimum Alt D7.7 2470'(1643')	MDA(H) (CONDITIONAL) 1190'(363')	Apt Elev 837'	2900'	
				Rwy 827'		
MISSED APCH: Climb on 059° to 2140'(1313'), then turn LEFT to NDB/MKR climbing to 2800'(1973'), then according to chart.						MSA ARP
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50		Trans alt: 3140'(2313')

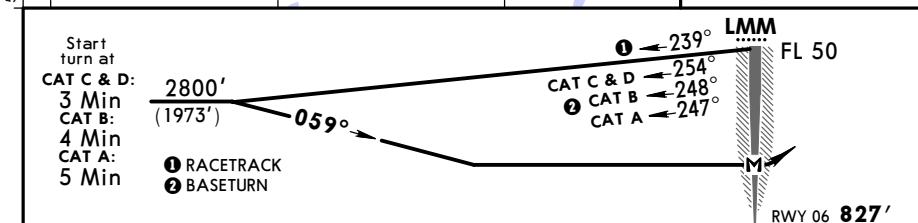
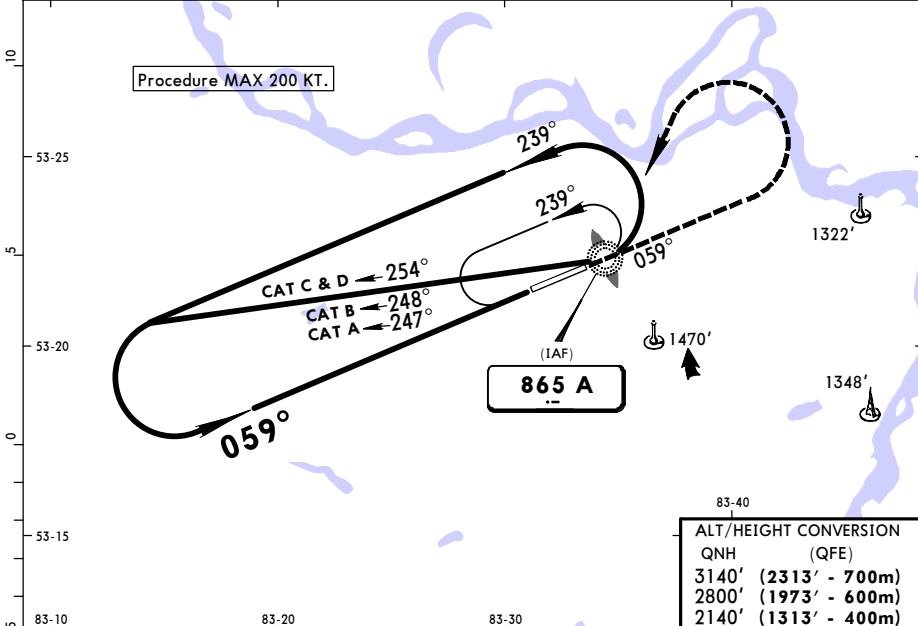


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JEPPesen
20 MAR 15 (16-3) Eff 2 Apr

BARNAUL, RUSSIA
NDB T Rwy 06

BRIEFING STRIP TM	ATIS 129.7			BARNAL Tower (APP/SRE/TWR/GND) 123.5		
	Lctr A 865	Final Apch Crs 059°	No FAF	MDA(H) 1380'(553')	Apt Elev 837' RWY 827'	
	MISSED APCH: Climb on 059° to 2140'(1313'), then turn LEFT to Lctr climbing to 2800' (1973'), then according to chart.					
	Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3140'(2313')					



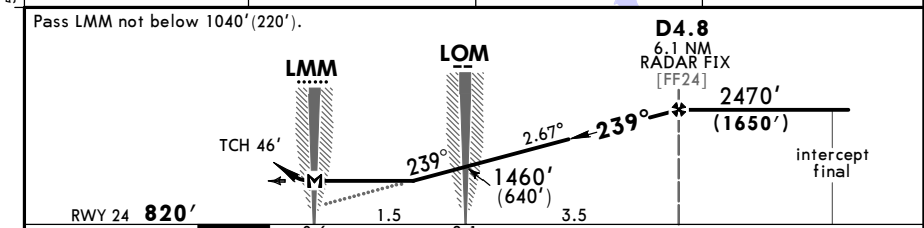
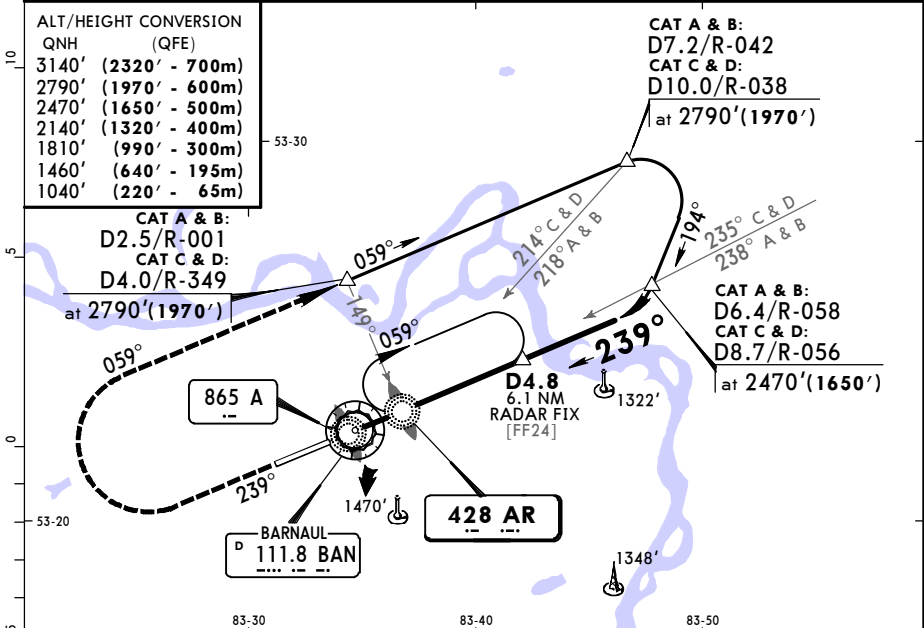
Gnd speed-Kts		70	90	100	120	140	160	ALS PAPI:		2140' (1313') on	059°	A 865 LT	2800' (1973')
Descent Angle		2.67°	331	425	472	567	661	756					
MAP at LMM													
STRAIGHT-IN LANDING RWY 06										CIRCLE-TO-LAND 1 Prohibited South of airport			
MDA(H) 1380'(553')										Max Kts.			
ALS out										MDA(H)			
A	RVR 1500m							A	1770' (943') 2000m				
B	VIS 1600m							B					
C	2400m							C	1870'(1043') 4800m				
D	2800m							D					
1 Circling height based on rwy 06 displaced thresh elev of 827'.													

UNBB/BAX
MIKHAYKOVKA

JEPPESEN
20 MAR 15
Eff 2 Apr 16-4

BARNAUL, RUSSIA
2 NDB Y/W or NDB Y/W Rwy 24

BRIEFING STRIP TM	ATIS 129.7			BARNAUL Tower (APP/SRE/TWR/GND) 123.5		
	NDB AR 428	Final Apch Crs 239°	Minimum Alt D4.8 2470'(1650')	MDA(H) 1190'(370')	Apt Elev 837' RWY 820'	2900' MSA ARP
	MISSED APCH: Climb on 239° to CAT A & B: 1810' (990'), CAT C & D: 2140' (1320'), then turn RIGHT onto 059° climbing to 2790'(1970'), then according to chart.					
	Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3140'(2320')					



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI Refer to Missed Apch above	
Descent Angle 2.67°	331	425	472	567	661	756		
MAP at LMM or LOM to MAP	1.5	1:17	1:00	0:54	0:45	0:39		

STRAIGHT-IN LANDING RWY 24 2 NDB or AR NDB MDA(H) 1190'(370')				CIRCLE-TO-LAND 1 Prohibited South of airport			
ALS out				Max Kts.	MDA(H)		
A	RVR 1500m VIS 1600m			A	1770' (950') 2000m		
B				B			
C				C	1870' (1050') 4800m		
D	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m		D			

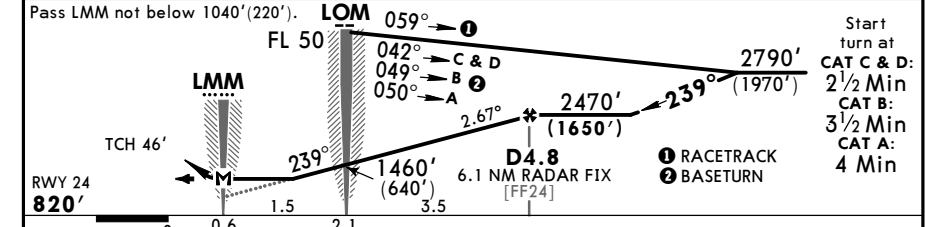
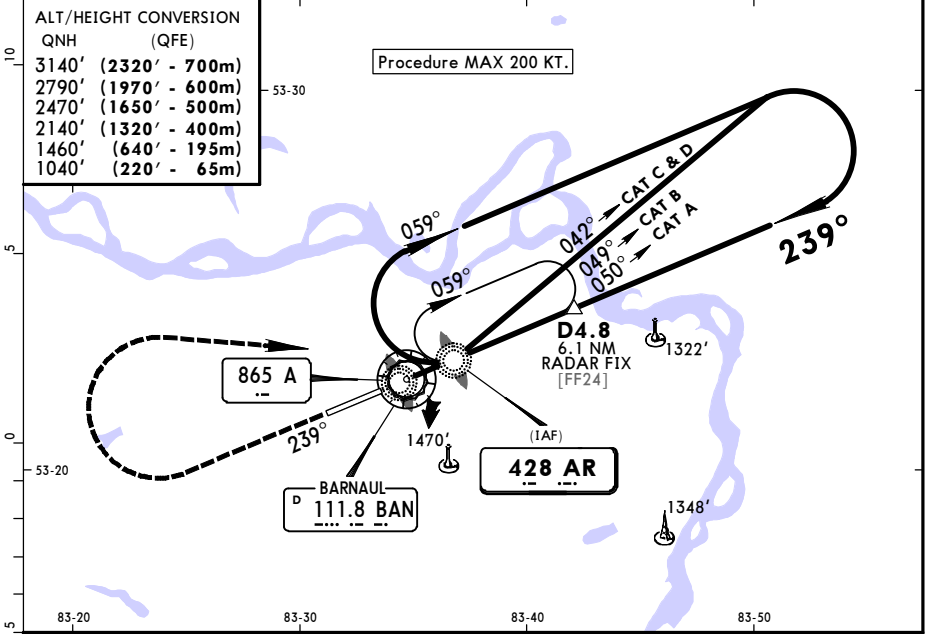
UNBB/BAX
MIKHAYKOVKA

JEPPESEN
20 MAR 15
Eff 2 Apr 16-5

BARNAUL, RUSSIA
2 NDB U or NDB U Rwy 24

BRIEFING STRIP

ATIS			BARNAUL Tower (APP/SRE/TWR/GND)		
129.7			123.5		
NDB AR 428	Final Apch Crs 239°	Minimum Alt D4.8 2470'(1650')	MDA(H) Refer to Minimums	Apt Elev 837' RWY 820'	2900' MSA ARP
MISSED APCH: Climb on 239° to 2140'(1320'), then turn RIGHT to AR NDB climbing to 2790' (1970'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50	
					Trans alt: 3140'(2320')



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2140' (1320') on	239°	AR 428	2790' (1970')
Descent Angle	2.67°	331	425	472	567	661	756	PAPI			
MAP at LMM or LOM to MAP	1.5	1:17	1:00	0:54	0:45	0:39	0:34				

STRAIGHT-IN LANDING RWY 24				CIRCLE-TO-LAND 1	
2 NDB or AR NDB with FAF		2 NDB w/o FAF		AR NDB w/o FAF	
MDA(H) 1190'(370')		MDA(H) 1660'(840')		MDA(H) 1830'(1010')	
ALS out		ALS out		ALS out	
A		A		A	
B		B		B	
C		C		C	
D		D		D	

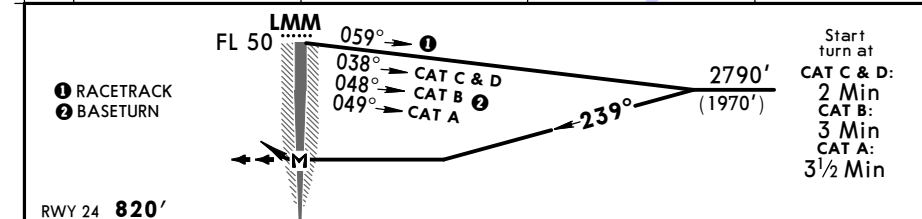
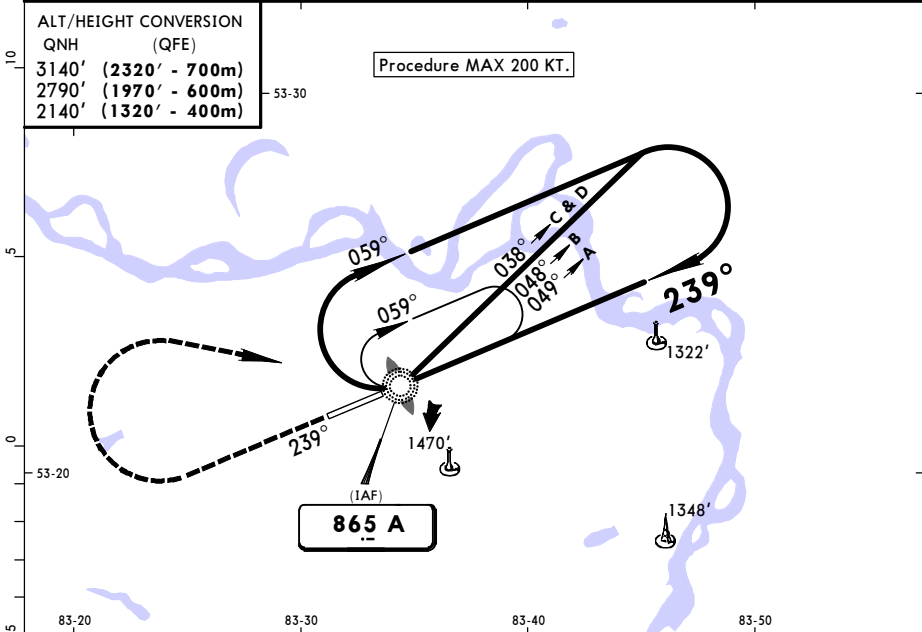
1 Circling height based on rwy 24 thresh elev of 820'.
2 After AR NDB w/o FAF apch: MDA(H) 1830'(1010'), CAT B VIS 2400m.

UNBB/BAX
MIKHAYKOVKA

JEPPESEN
20 MAR 15 16-6 Eff 2 Apr

BARNAUL, RUSSIA
NDB S Rwy 24

BREEZING STRIP™	ATIS 129.7			BARNAUL Tower (APP/SRE/TWR/GND) 123.5		
	Lctr A 865	Final Apch Crs 239°	No FAF	MDA(H) 1550'(730')	Apt Elev 837' RWY 820'	 2900' MSA ARP
	MISSED APCH: Climb on 239° to 2140'(1320'), then turn RIGHT to Lctr climbing to 2790'(1970'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50		Trans alt: 3140'(2320')



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2140'(1320')	on	239°	A 865	2790'(1970')
Descent Angle	2.67°	331	425	472	567	661	756	PAPI			RT	
MAP at LMM												

STRAIGHT-IN LANDING RWY 24				CIRCLE-TO-LAND 1			
MDA(H) 1550'(730')				Prohibited South of airport			
		ALS out		Max Kts	MDA(H)		
A	1200m	RVR 1500m VIS 1600m		A	1770'(950') 2000m		
B	2400m	3200m		B	1870'(1050') 4800m		
C	3200m	3600m		C			
D				D			

1 Circling height based on rwy 24 thresh elev of 820'.

Chart changes since cycle 12-2016

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
BARNAUL, (MIKHAYLOVKA - UNBB)				

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UNBB