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Changed chart(s) since Disc 26-2012

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UNTT

UNTT (Bogashevo)**General Info**

Tomsk, RUS

N 56° 23.0' E 85° 12.6' Mag Var: 9.4°E

Elevation: 598'

Public, IFR, No Customs, Jet Starting Unit available

Fuel: Jet A-1

Time Zone Info: GMT+7:00 no DST

Runway Info

Runway 03-21 8202' x 164' asphalt

Runway 03 (25.0°M) TDZE 597'

Lights: Edge, ALS

Runway 21 (205.0°M) TDZE 552'

Lights: Edge, ALS

Communications InfoATIS **127.8** Non-EnglishMayatnik Krug Radar **124.0** Non-EnglishMayatnik Krug Radar **119.3** Non-EnglishMayatnik Transit Operations **131.875** Non-English**Notebook Info**

UNTT/TOF
 BOGASHEVO

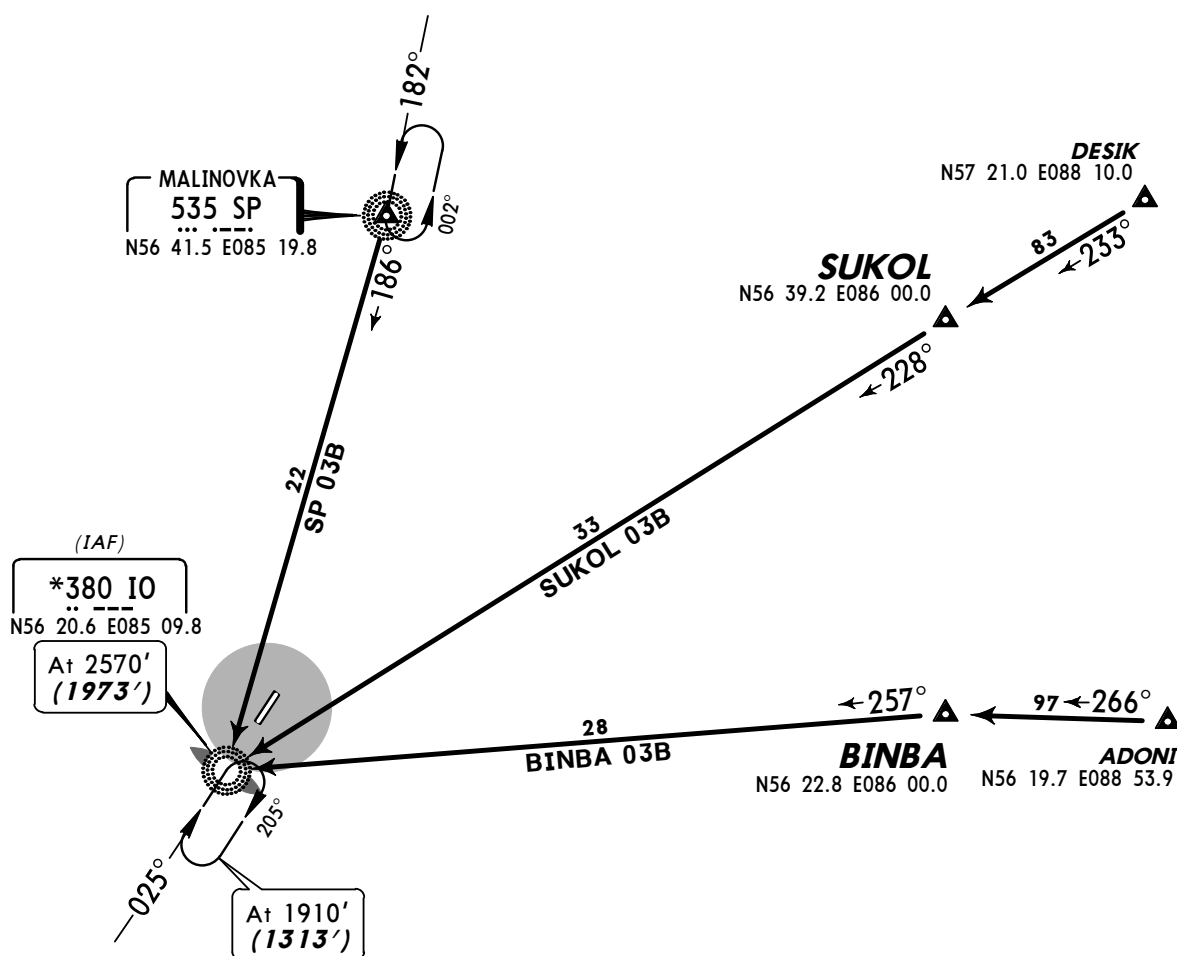
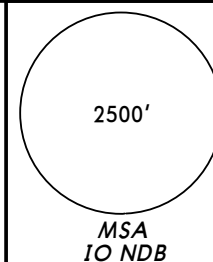
JEPPESEN
 14 DEC 12 10-2

TOMSK, RUSSIA
 STAR

*ATIS (Russian only) 127.8	Apt Elev 598'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 FL50 if the pressure is less than 743 mm (990.6 hPa) Trans alt (hgt): 2900' (2303') Altitudes at airway exit points by ATC.
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BINBA 03B [BINØ3B]
 SP 03B, SUKOL 03B [SUKØ3B]
 RWY 03 ARRIVALS

FOR RUSSIAN USERS ONLY



Direct distance from IO to:
 Bogashevo Apt 3 NM



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2900'	(2303' - 700m)
2570'	(1973' - 600m)
1910'	(1313' - 400m)

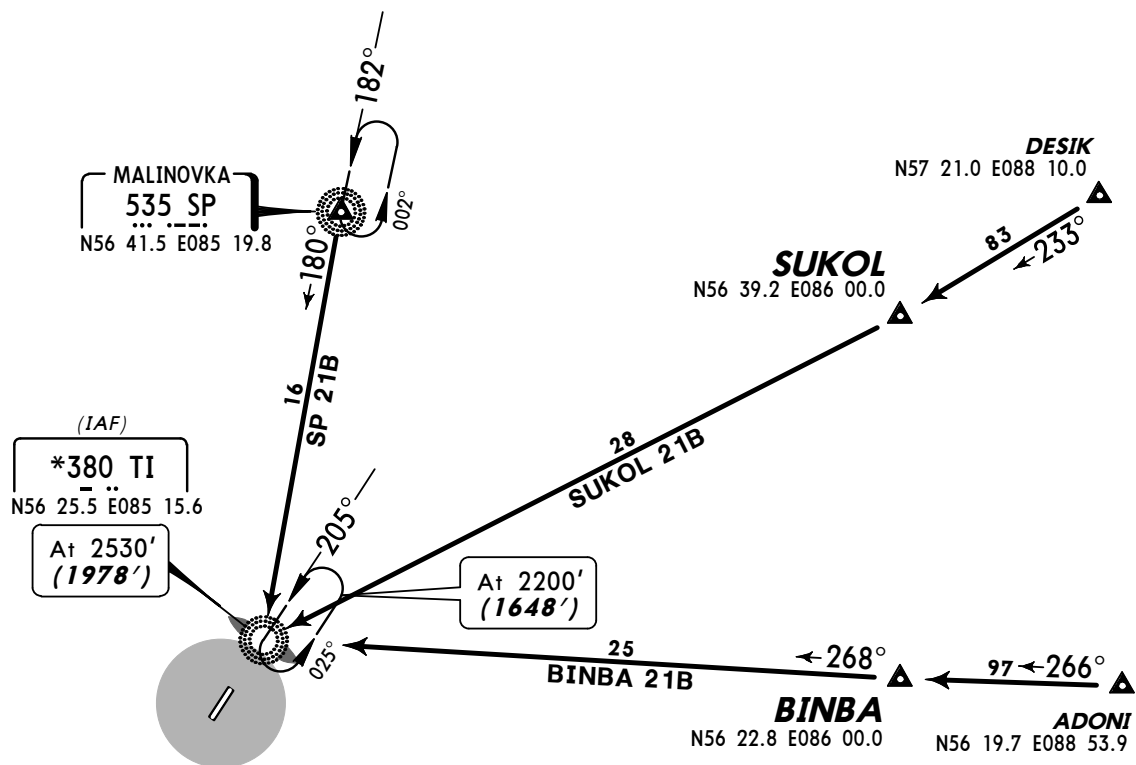
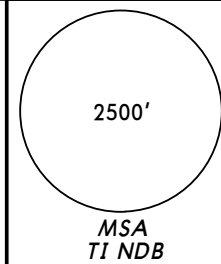
UNTT/TOF
BOGASHEVO

JEPPESEN
14 DEC 12 (10-2A)

TOMSK, RUSSIA
STAR

*ATIS (Russian only) 127.8	Apt Elev 598'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 FL50 if the pressure is less than 743 mm (990.6 hPa) Trans alt (hgt): 2900' (2348') Altitudes at airway exit points by ATC.
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**BINBA 21B [BIN21B]
SP 21B, SUKOL 21B [SUK21B]
RWY 21 ARRIVALS**
FOR RUSSIAN USERS ONLY



Direct distance from TI to:
Bogashevo Apt **3 NM**



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2900'	(2348' - 700m)
2530'	(1978' - 600m)
2200'	(1648' - 500m)

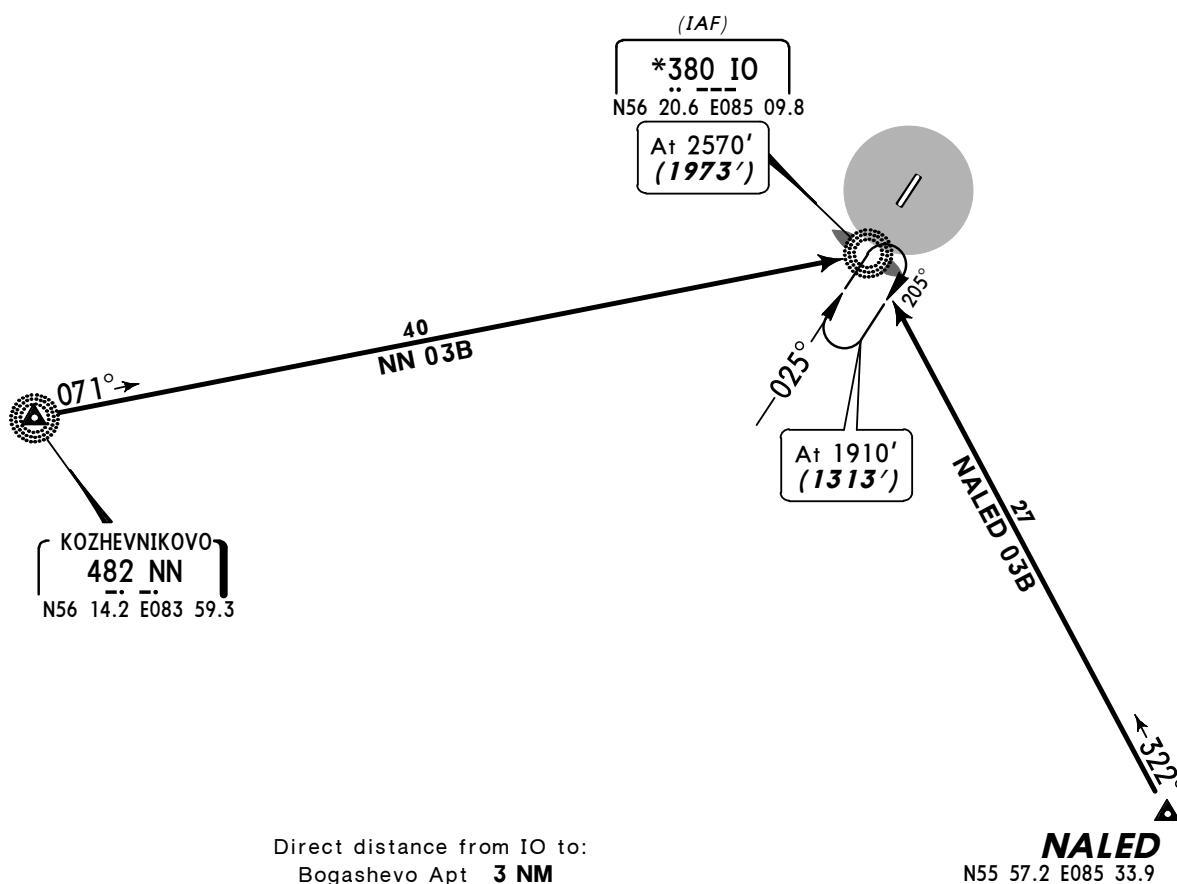
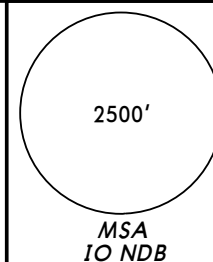
UNTT/TOF
 BOGASHEVO

JEPPESEN
 14 DEC 12 (10-2B)

TOMSK, RUSSIA
 STAR

*ATIS (Russian only) 127.8	<i>Apt Elev</i> 598'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 FL50 if the pressure is less than 743 mm (990.6 hPa) Trans alt (hgt): 2900' (2303') Altitudes at airway exit points by ATC.
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NALED 03B [NALØ3B], NN 03B
RWY 03 ARRIVALS
FOR RUSSIAN USERS ONLY



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2900'	(2303' - 700m)
2570'	(1973' - 600m)
1910'	(1313' - 400m)

UNTT/TOF
BOGASHEVO

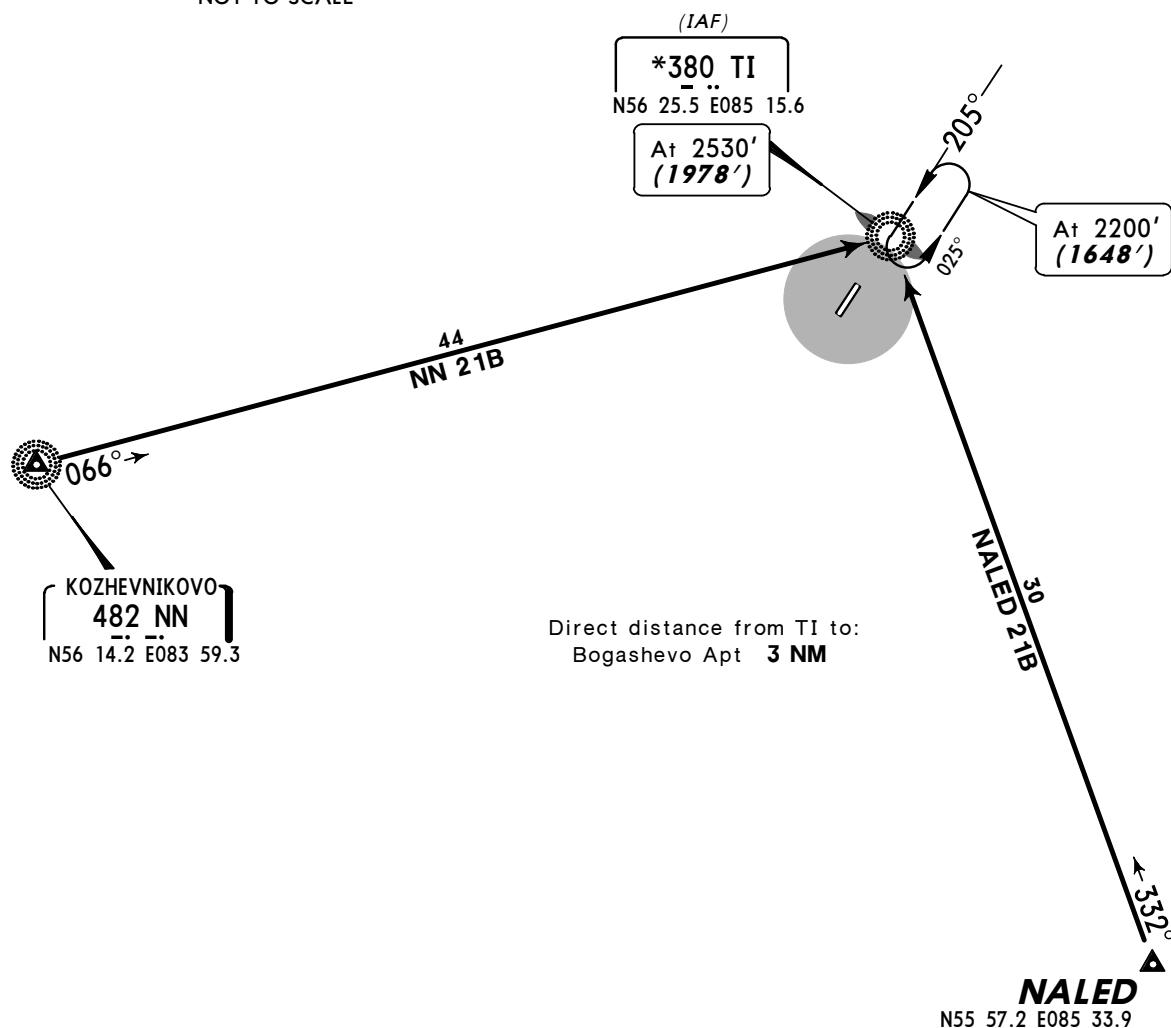
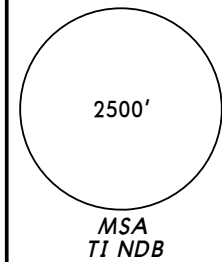
JEPPESSEN
14 DEC 12 (10-2C)

TOMSK, RUSSIA

STAR

*ATIS (Russian only) 127.8	<i>Apt Elev</i> 598'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 FL50 if the pressure is less than 743 mm (990.6 hPa) Trans alt (hgt): 2900' (2348') Altitudes at airway exit points by ATC.
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**NALED 21B [NAL21B], NN 21B
RWY 21 ARRIVALS
FOR RUSSIAN USERS ONLY**



ALT/HEIGHT CONVERSION
QNH (QFE)
2900' (2348' - 700m)
2530' (1978' - 600m)
2200' (1648' - 500m)

UNTT/TOF
BOGASHEVO

JEPPesen
14 DEC 12 10-2D

TOMSK, RUSSIA
STAR

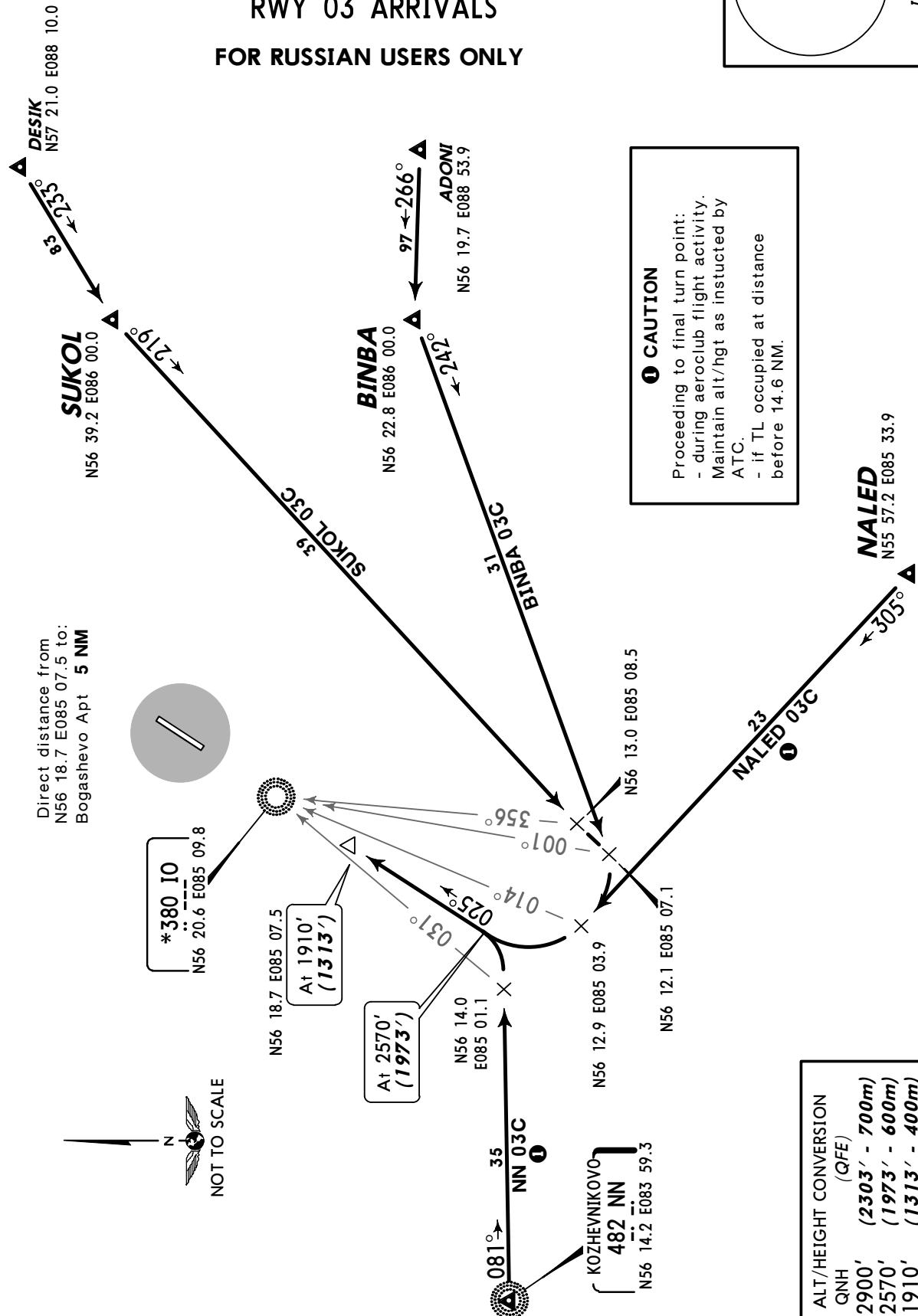
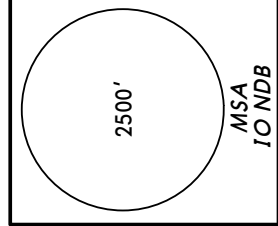
*ATIS
(Russian only)
127.8

Apt Elev
598'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40
FL50 if the pressure is less than 743 mm (990.6 hPa)
Trans alt (hgt): 2900' (2303')
Altitudes at airway exit points by ATC.

BINBA 03C [BINØ3C], NALED 03C [NALØ3C]
NN 03C, SUKOL 03C [SUKØ3C]
RWY 03 ARRIVALS

FOR RUSSIAN USERS ONLY



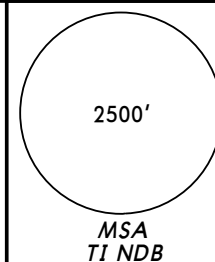
UNTT/TOF
BOGASHEVO

JEPPESEN
14 DEC 12 10-2E

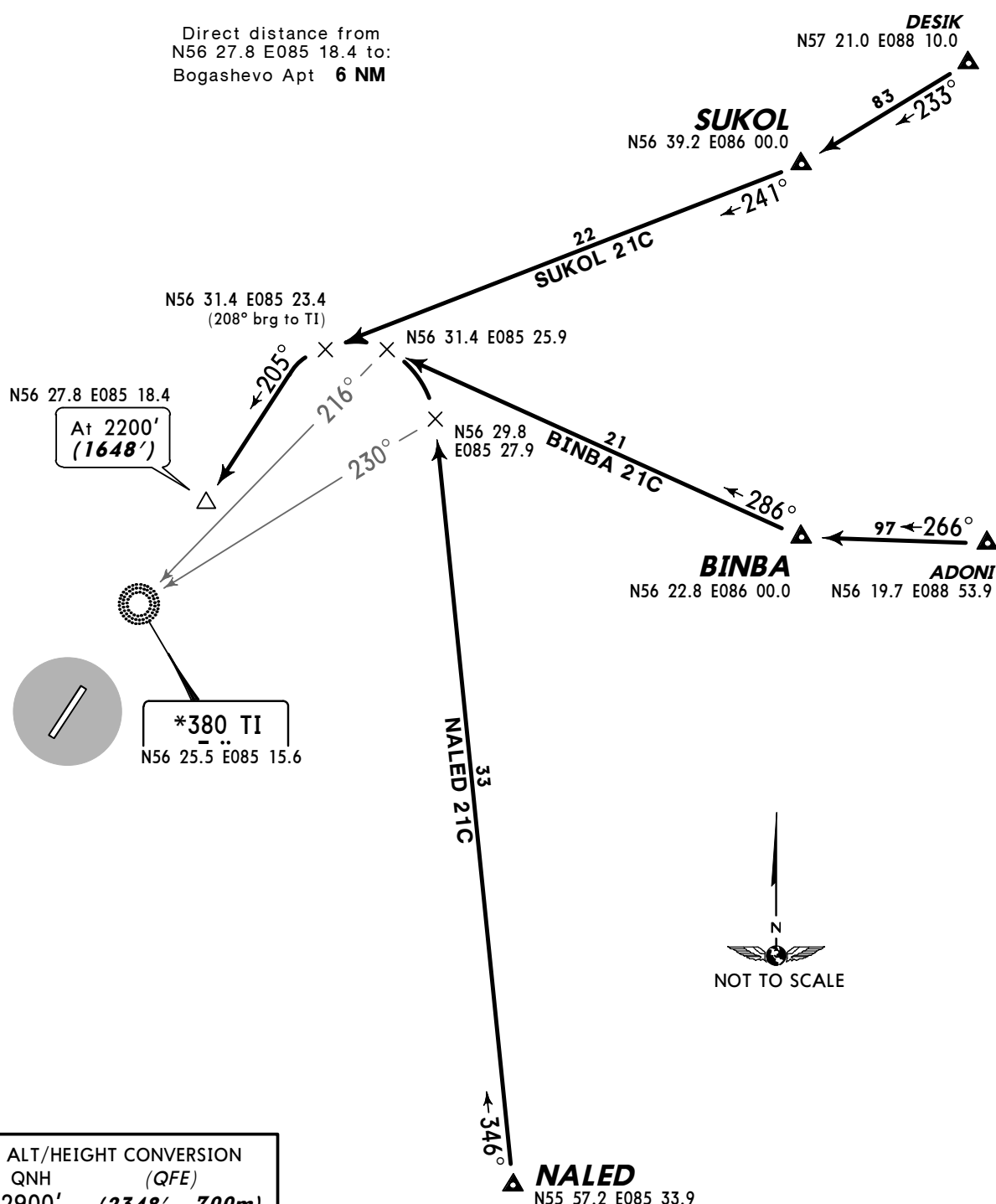
TOMSK, RUSSIA
STAR

*ATIS (Russian only) 127.8	Apt Elev 598'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 FL50 if the pressure is less than 743 mm (990.6 hPa) Trans alt (hgt): 2900' (2348') Altitudes at airway exit points by ATC.
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**BINBA 21C [BIN21C], NALED 21C [NAL21C]
SUKOL 21C [SUK21C]
RWY 21 ARRIVALS
FOR RUSSIAN USERS ONLY**



Direct distance from
N56 27.8 E085 18.4 to:
Bogashevo Apt 6 NM



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2900'	(2348' - 700m)
2200'	(1648' - 500m)

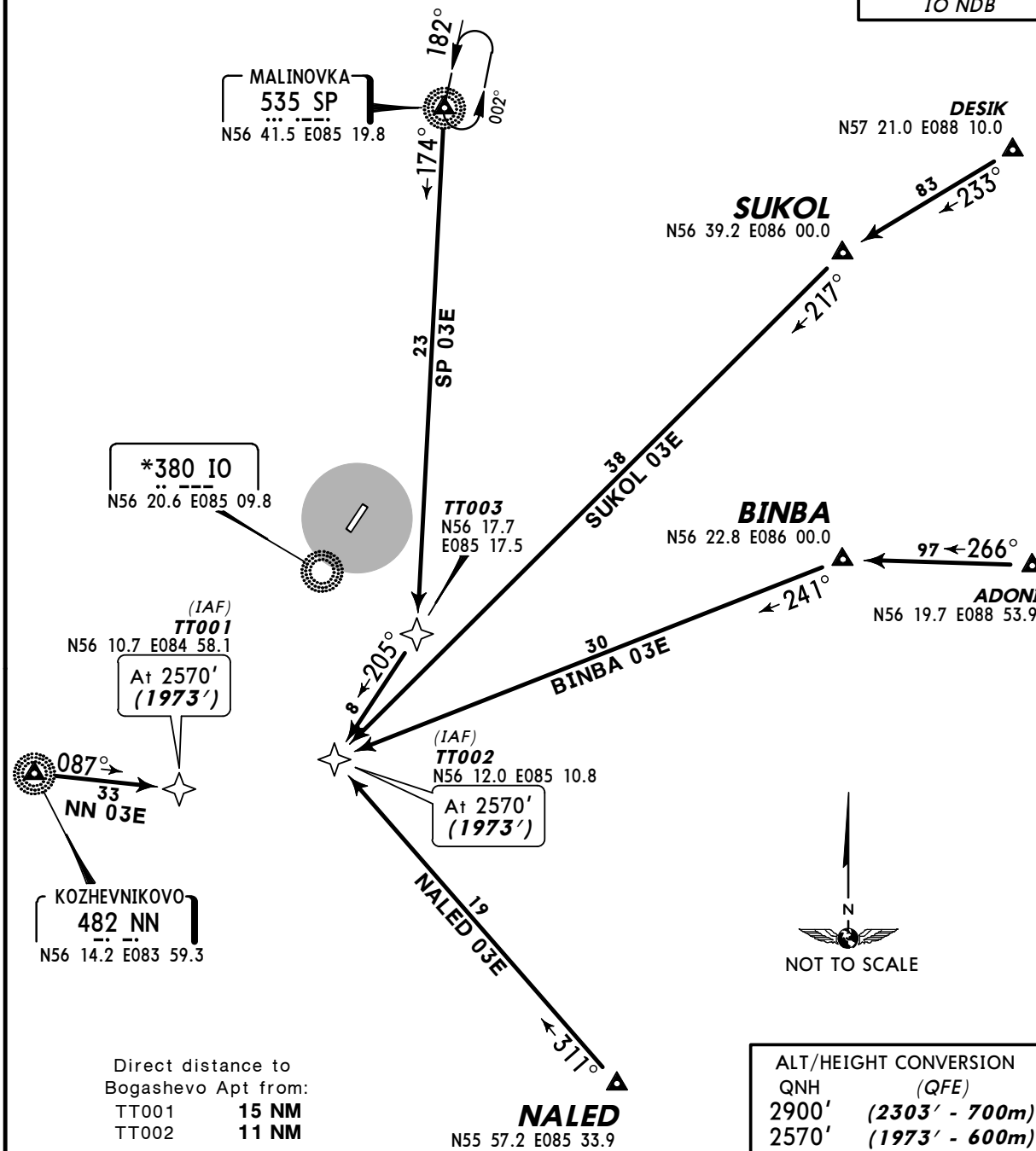
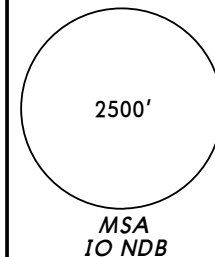
UNTT/TOF
 BOGASHEVO

JEPPESEN
 14 DEC 12 10-2F

TOMSK, RUSSIA
 RNAV STAR

*ATIS (Russian only) 127.8	Apt Elev 598'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 FL50 if the pressure is less than 743 mm (990.6 hPa) Trans alt (hgt): 2900' (2303') 1. Altitudes at airway exit points by ATC. 2. Clearance for GNSS approach shall be requested by passing CRP of entry. 3. GNSS approach shall be performed by authorized crew only.
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**BINBA 03E [BINØ3E], NALED 03E [NALØ3E]
 NN 03E, SP 03E, SUKOL 03E[SUKØ3E]
 RWY 03 RNAV ARRIVALS
 RNAV (GNSS)
 GLONAS OR GPS REQUIRED
 FOR RUSSIAN USERS ONLY**



STAR	ROUTING
BINBA 03E	BINBA - TT002 (2570').
NALED 03E	NALED - TT002 (2570').
NN 03E	NN - TT001 (2570').
SP 03E	SP - TT003 - TT002 (2570').
SUKOL 03E	SUKOL - TT002 (2570').

UNTT/TOF
BOGASHEVO

JEPPESEN
14 DEC 12 (10-2G)

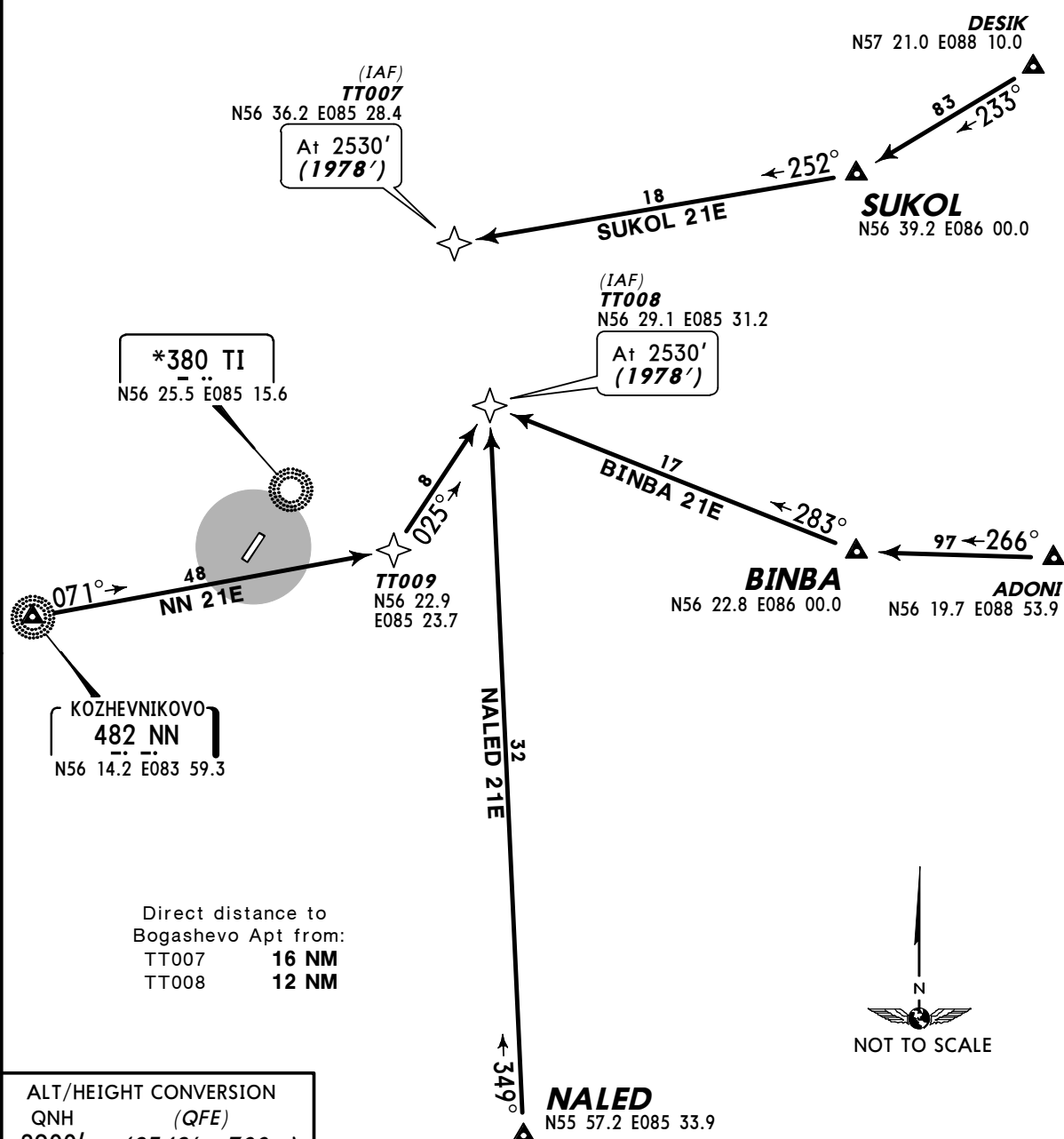
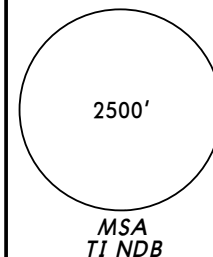
TOMSK, RUSSIA
RNAV STAR

*ATIS
(Russian only)
127.8

Apt Elev
598'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40
FL50 if the pressure is less than 743 mm (990.6 hPa)
Trans alt (hgt): 2900' (2348')
1. Altitudes at airway exit points by ATC.
2. Clearance for GNSS approach shall be requested by passing CRP of entry.
3. GNSS approach shall be performed by authorized crew only.

**BINBA 21E [BIN21E], NALED 21E [NAL21E]
NN 21E, SUKOL 21E [SUK21E]
RWY 21 RNAV ARRIVALS**
RNAV (GNSS)
GLONAS OR GPS REQUIRED
FOR RUSSIAN USERS ONLY



ALT/HEIGHT CONVERSION
QNH (QFE)
2900' (2348' - 700m)
2530' (1978' - 600m)

STAR	ROUTING
BINBA 21E	BINBA - TT008 (2530').
NALED 21E	NALED - TT008 (2530').
NN 21E	NN - TT009 - TT008 (2530').
SUKOL 21E	SUKOL - TT007 (2530').

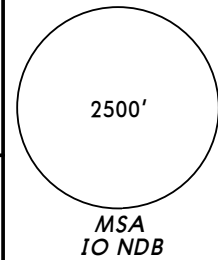
UNTT/TOF
BOGASHEVO

JEPPESEN
14 DEC 12 10-3

TOMSK, RUSSIA
SID

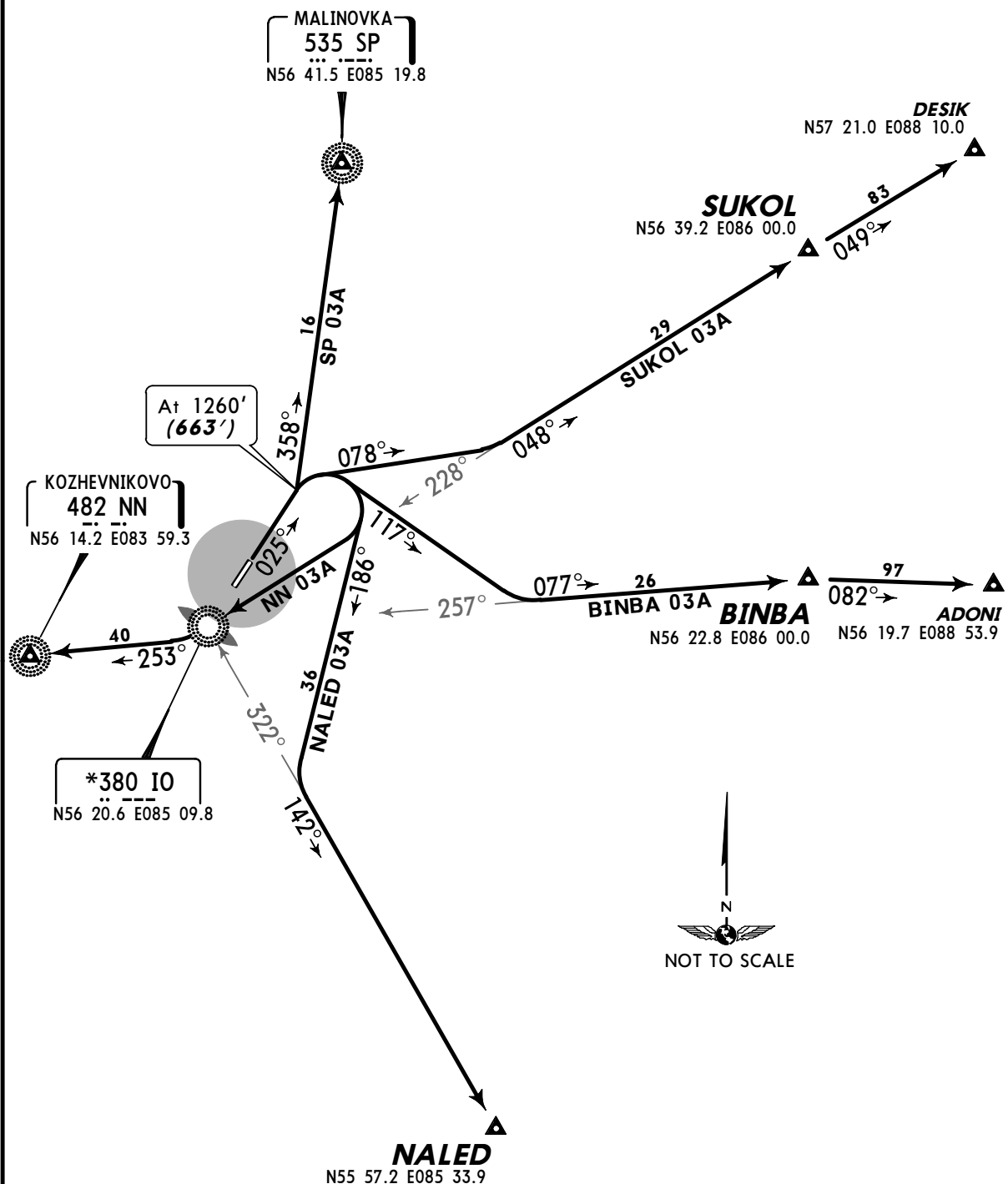
Apt Elev
598'

QNH on request (QFE)
Trans level: FL40
FL50 if the pressure is less than 743 mm (990.6 hPa)
Trans alt (hgt): 2900' (2303')
Altitudes at airway entry points by ATC.



BINBA 03A [BINØ3A], NALED 03A [NALØ3A]
NN 03A, SP 03A, SUKOL 03A [SUKØ3A]
RWY 03 DEPARTURES

FOR RUSSIAN USERS ONLY



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1260'	(663' - 200m)
2900'	(2303' - 700m)

UNTT/TOF
BOGASHEVO

JEPPESSEN
14 DEC 12 (10-3A)

TOMSK, RUSSIA
SID

Apt Elev
598'

QNH on request (QFE)

Trans level: FL40

FL50 if the pressure is less than 743 mm (990.6 hPa)

Trans alt (hgt): 2900' (**2348'**)

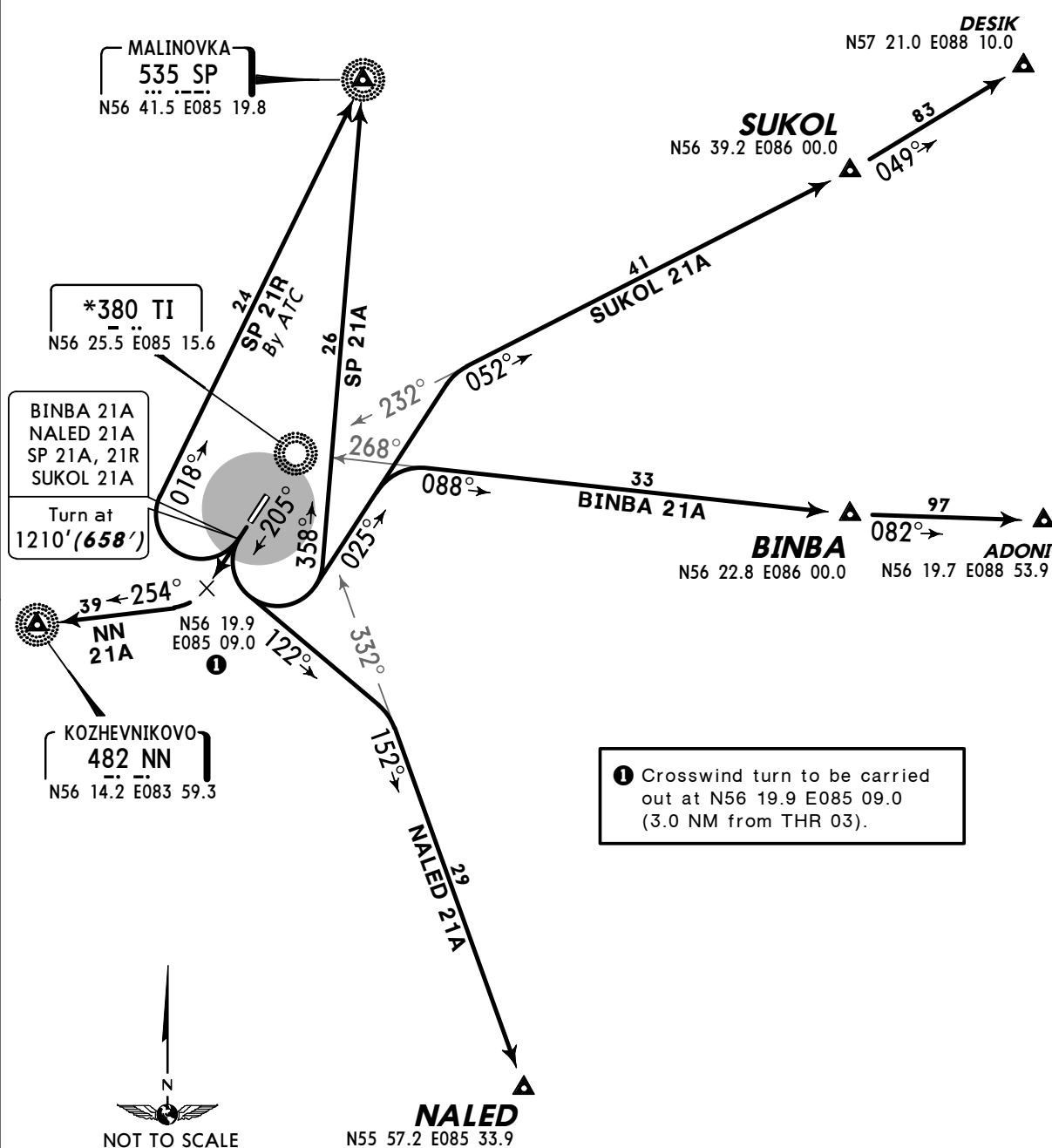
Altitudes at airway entry points by ATC.

2500'

MSA
TI NDB

BINBA 21A [*BIN21A*], **NALED 21A** [*NAL21A*]
NN 21A, **SP 21A**, **SUKOL 21A** [*SUK21A*]

SP 21R
BY ATC

RWY 21 DEPARTURES
FOR RUSSIAN USERS ONLY

1 Crosswind turn to be carried out at N56 19.9 E085 09.0 (3.0 NM from THR 03).

ALT/HEIGHT CONVERSION
QNH (QFE)
1210' (658' - 200m)
2900' (2348' - 700m)

CHANGES: SIDs revised.

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UNTT/TOF

Apt Elev **598'**
N56 23.0 E085 12.7

JEPPESEN

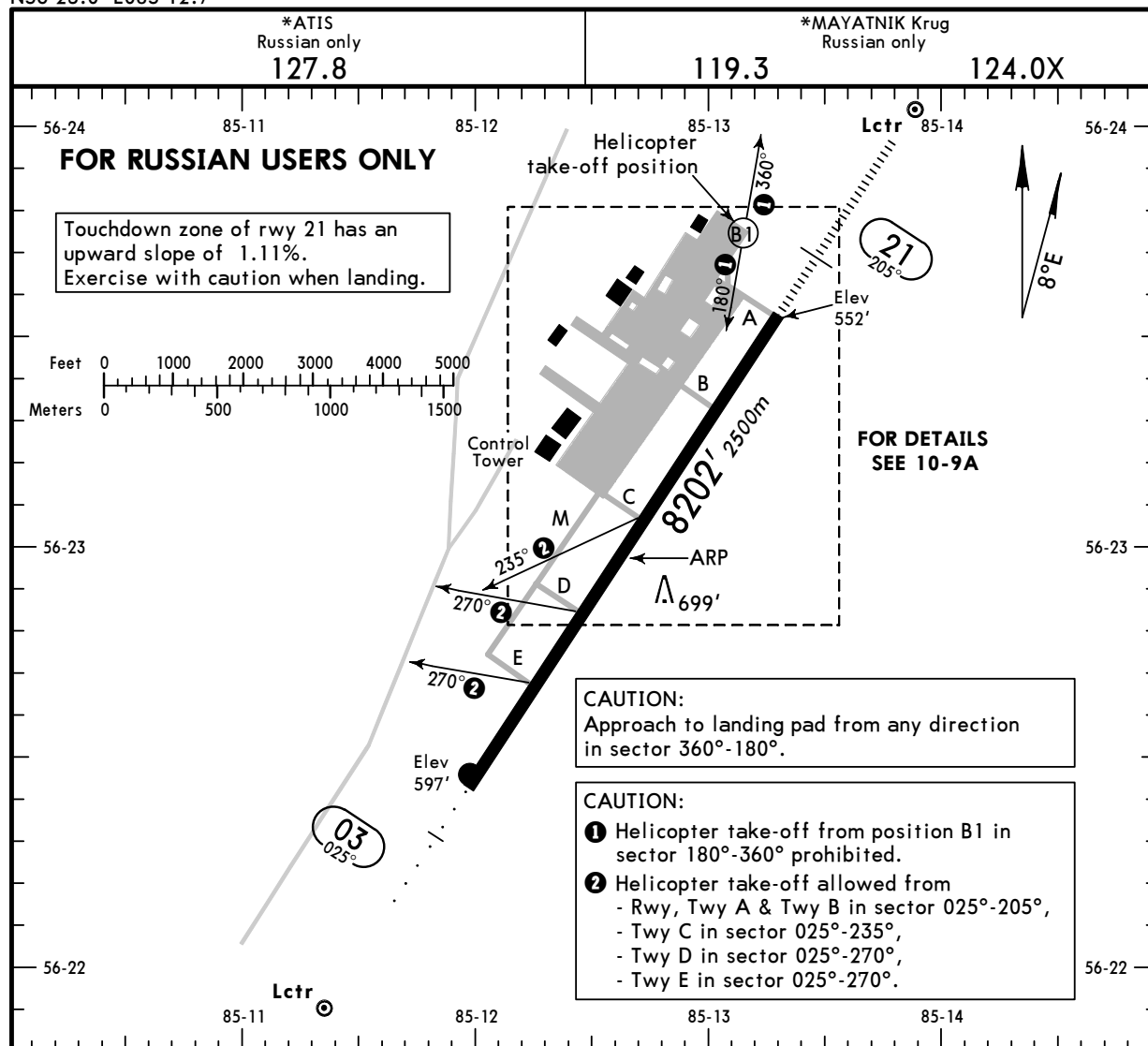
17 AUG 12

10-9

Eff 23 Aug

TOMSK, RUSSIA

BOGASHEVO



ADDITIONAL RUNWAY INFORMATION

RWY				USABLE LENGTHS		TAKE-OFF	WIDTH
				LANDING BEYOND			
	Threshold	Glide Slope					
03	RL	ALS	PAPI (angle 2.67°)			③	164' 50m
21	HIRL	ALS	PAPI (angle 2.92°)				

③ TAKE-OFF RUN AVAILABLE

RWY 03:

From rwy head	8202' (2500m)
twy E int	6562' (2000m)
twy D int	4921' (1500m)
twy C int	2953' (900m)

RWY 21:

From rwy head	8202' (2500m)
twy B int	6562' (2000m)
twy C int	4921' (1500m)
twy D int	2953' (900m)

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	

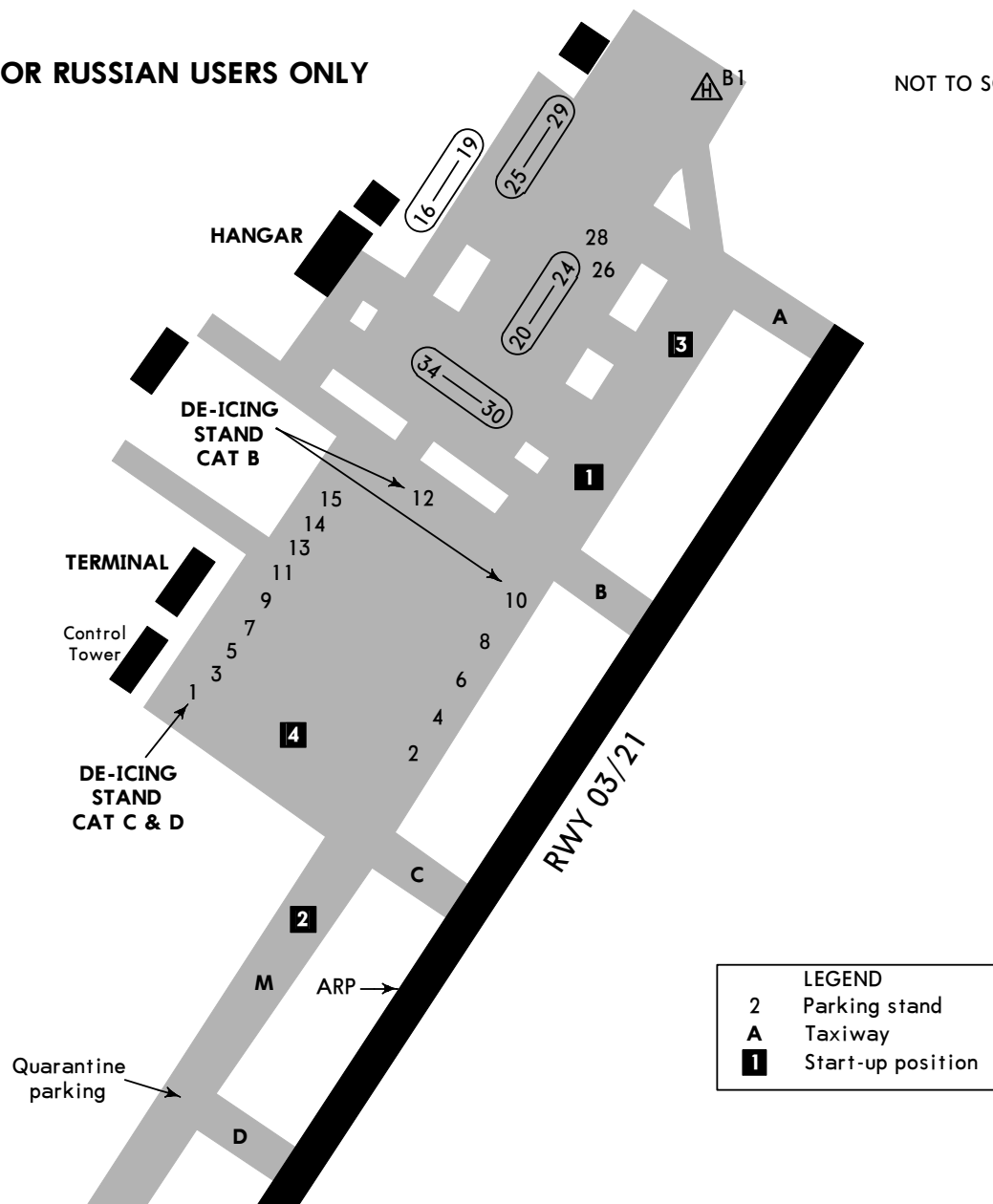
UNTT/TOF

JEPPESEN
 17 AUG 12 10-9A Eff 23 Aug

TOMSK, RUSSIA
 BOGASHEVO

FOR RUSSIAN USERS ONLY

NOT TO SCALE



INS COORDINATES

STAND No.	COORDINATES
1	N56 23.2 E085 12.6
2	N56 23.2 E085 12.7
3	N56 23.3 E085 12.6
4	N56 23.3 E085 12.7
12	N56 23.4 E085 12.9

Taxiing into stands 5, 7, 9, 11, 13 and 15 facing SE by towing only.

Taxiing into stands 1 thru 4, 6, 8, 10, 22 thru 24, 26 and 28 by towing.

Taxiing out from stands 5, 7, 9, 11, 13, 14 and 15 facing NW is by push-back.

Taxiing on stand B1 is prohibited.

Taxiing at minimum speed strictly along taxi centerline.

Stands 1 thru 4, 6, 8, 10, 22 thru 24, 26 and 28 available for helicopters.

UNTT/TOF

7 DEC 12



JEPPESEN

10-9S

Eff 13 Dec

Standard

TOMSK, RUSSIA
BOGASHEVO

STRAIGHT-IN RWY	A	B	C	D
03 RNAV ①	1030' (433') R1500m	1030' (433') R1500m	1030' (433') R1800m	1030' (433') R1800m
<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
2 NDB ① ②	980' (383') R1500m	980' (383') R1500m	980' (383') R1600m	980' (383') R1600m
<i>ALS out</i>	R1500m	R1500m	R1800m	R1800m
2 NDB ① ③ ④	980' (383') R1500m	980' (383') R1500m	980' (383') R1600m	980' (383') R1600m
<i>ALS out</i>	R1500m	R1500m	R1800m	R1800m
2 NDB ① ③ ⑤	980' (383') R1600m	980' (383') R1600m	980' (383') R1600m	980' (383') R1600m
<i>ALS out</i>	R1800m	R1800m	R1800m	R1800m
IO LOM ① ②	1260' (663') C2900m	1260' (663') C2900m	1420' (823') C3600m	1420' (823') C3600m
<i>ALS out</i>	C3100m	C3100m	C3800m	C3800m
IO LOM ① ③ ④	1260' (663') C2900m	1260' (663') C2900m	1420' (823') C3600m	1420' (823') C3600m
<i>ALS out</i>	C3100m	C3100m	C3800m	C3800m
IO LOM ③ ⑤	1260' (663') C3100m	1260' (663') C3100m	1420' (823') C4000m	1420' (823') C4000m
<i>ALS out</i>	C3300m	C3300m	C4200m	C4200m
I LMM ① ②	1260' (663') C2900m	1260' (663') C2900m	1590' (993') C4300m	1590' (993') C4300m
<i>ALS out</i>	C3100m	C3100m	C4500m	C4500m
I LMM ① ③ ④	1260' (663') C2900m	1260' (663') C2900m	1590' (993') C4300m	1590' (993') C4300m
<i>ALS out</i>	C3100m	C3100m	C4500m	C4500m
I LMM ③ ⑤	1260' (663') C3100m	1260' (663') C3100m	1590' (993') C4700m	1590' (993') C4700m
<i>ALS out</i>	C3300m	C3300m	C4900m	C4900m

① Continuous Descent Final Approach.

② with FAF.

③ w/o FAF.

④ with FMS.

⑤ w/o FMS.

UNTT/TOF

7 DEC 12



JEPPESEN

10-9S1

Eff 13 Dec

Standard
TOMSK, RUSSIA
BOGASHEVO

STRAIGHT-IN RWY	A	B	C	D
21 ILS	752' (200') R1000m	752' (200') R1000m	782' (230') R1000m	782' (230') R1000m
ALS out	R1200m	R1200m	R1200m	R1200m
LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
RNAV ①	970' (418') R1500m	970' (418') R1500m	970' (418') R1700m	970' (418') R1700m
ALS out	R1500m	R1500m	R1900m	R1900m
2 NDB ① ②	970' (418') R1500m	970' (418') R1500m	970' (418') R1700m	970' (418') R1700m
ALS out	R1500m	R1500m	R1900m	R1900m
2 NDB ① ③ ④	1380' (828') C3600m	1380' (828') C3600m	1380' (828') C3600m	1380' (828') C3600m
ALS out	C3800m	C3800m	C3800m	C3800m
2 NDB ③ ⑤	1380' (828') C3800m	1380' (828') C3800m	1380' (828') C4000m	1380' (828') C4000m
ALS out	C4000m	C4000m	C4200m	C4200m
TI LOM ① ②	1210' (658') R1500m	1210' (658') R1500m	1380' (828') C3600m	1380' (828') C3600m
ALS out	R1500m	R1500m	C3800m	C3800m
TI LOM ① ③ ④	1210' (658') R1500m	1210' (658') R1500m	1380' (828') C3600m	1380' (828') C3600m
ALS out	R1500m	R1500m	C3800m	C3800m
TI LOM ③ ⑤	1210' (658') C3000m	1210' (658') C3000m	1380' (828') C4000m	1380' (828') C4000m
ALS out	C3200m	C3200m	C4200m	C4200m
T LMM ① ②	1210' (658') R1500m	1210' (658') R1500m	1540' (988') C4300m	1540' (988') C4300m
ALS out	R1500m	R1500m	C4500m	C4500m
T LMM ① ③ ④	1210' (658') R1500m	1210' (658') R1500m	1540' (988') C4300m	1540' (988') C4300m
ALS out	R1500m	R1500m	C4500m	C4500m
T LMM ③ ⑤	1210' (658') C3000m	1210' (658') C3000m	1540' (988') C4700m	1540' (988') C4700m
ALS out	C3200m	C3200m	C4900m	C4900m

① Continuous Descent Final Approach.

② with FAF.

③ w/o FAF.

④ with FMS.

⑤ w/o FMS.

TAKE-OFF RWY 03, 21

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

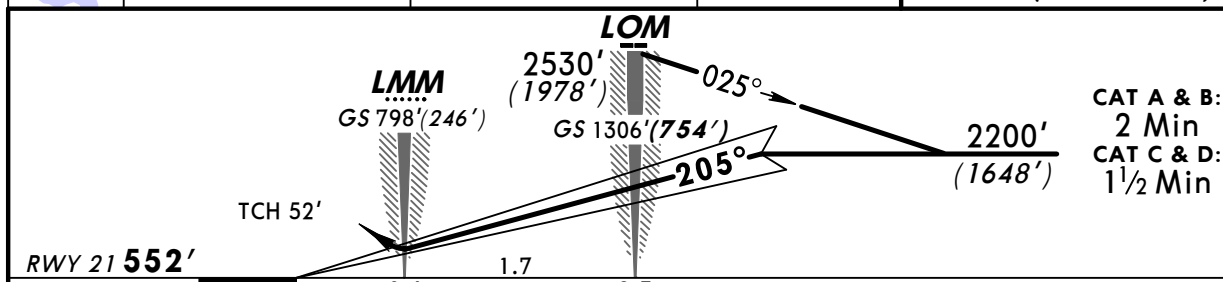
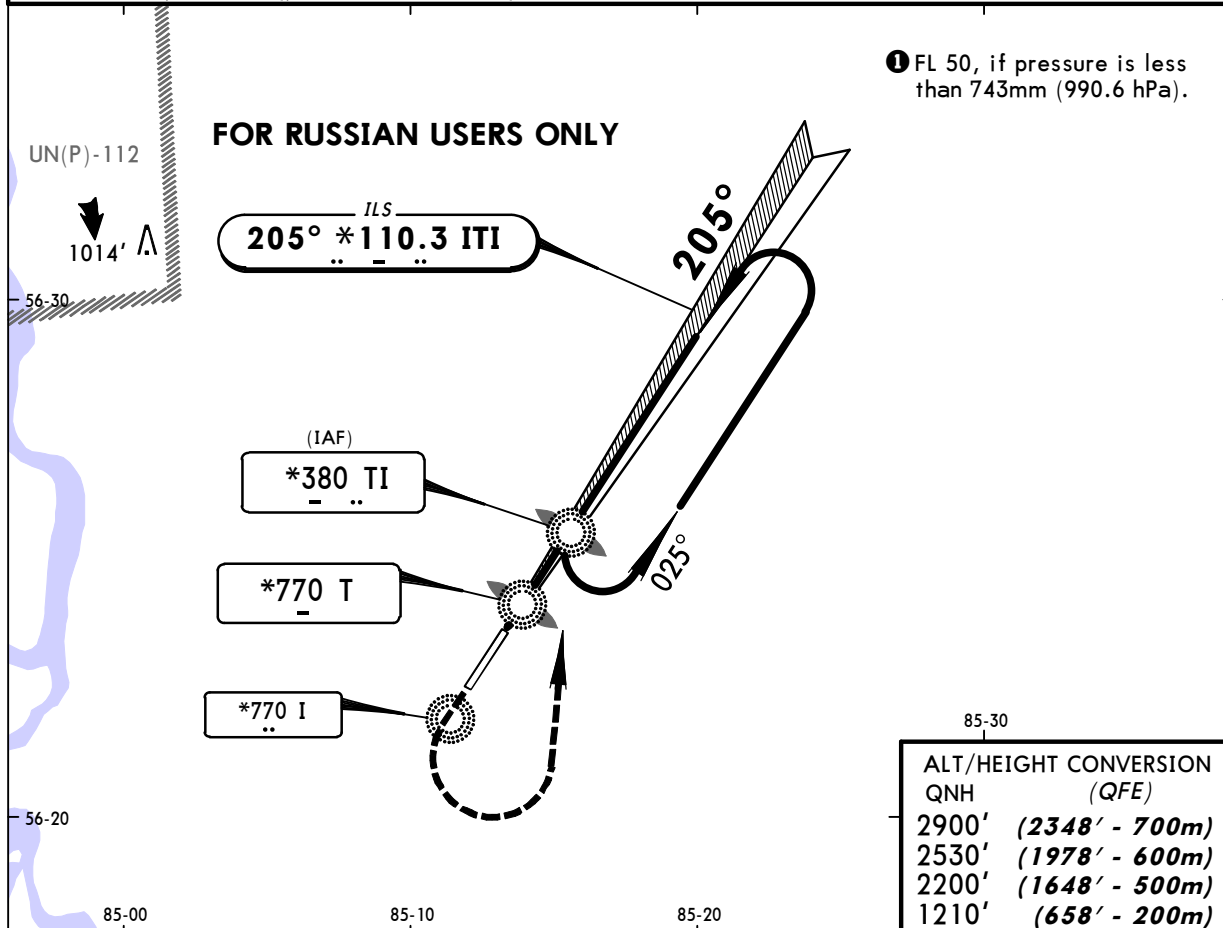
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12 **11-1** Eff 13 Dec

TOMSK, RUSSIA
ILS Z Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X		2500' MSA TI NDB
LOC ITI *110.3	Final Apch Crs 205°	GS LOM 1306'(754')	ILS DA(H) Refer to Minimums	Apt Elev 598' RWY 552'	
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart turn RIGHT to final, or to holding as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 40 1	Trans alt: 2900'(2348')	



Gnd speed-Kts	70	90	100	120	140	160	ALS	1210' (658')	TI 380	2200' (1648')
GS	2.92°	362	465	517	620	723	826	PAPI PAPI	LT	

ILS DA(H) AB: 752' (200') CD: 782' (230')		STRAIGHT-IN LANDING RWY 21 LOC (GS out)	
FULL	ALS out		
A	1200m		NOT AUTHORIZED
B			
C			
D			

PANS OPS

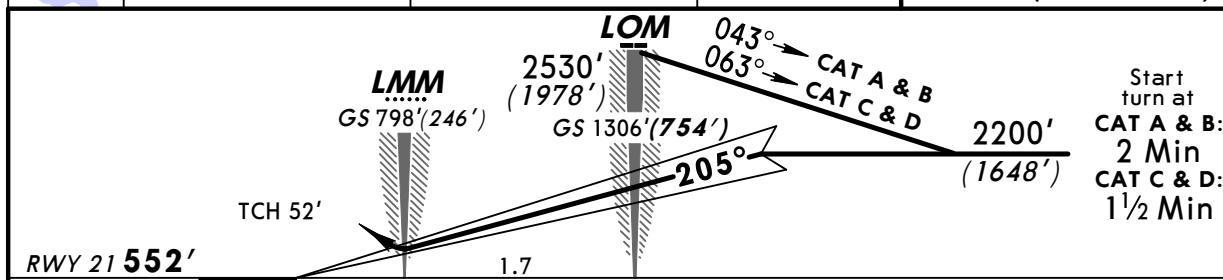
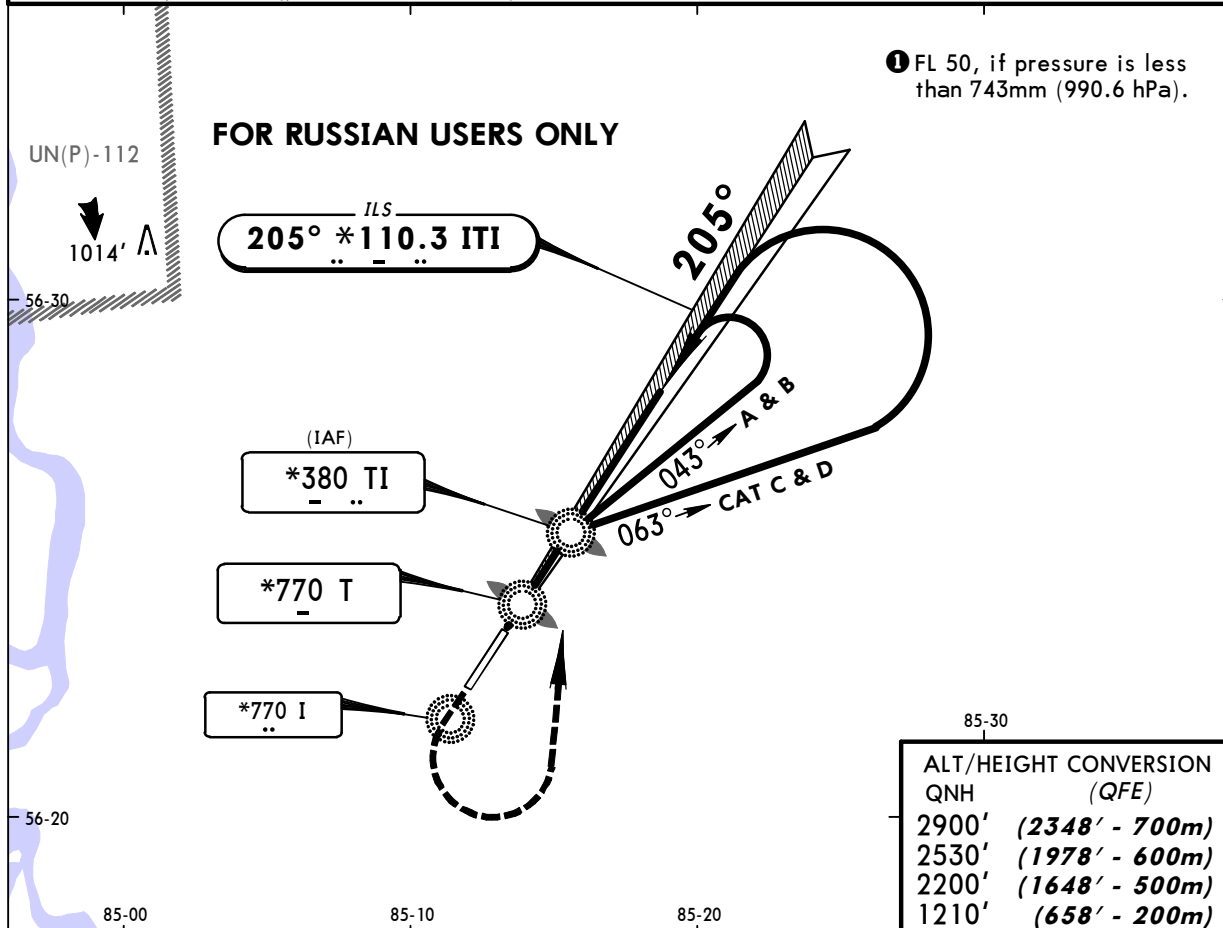
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12 (11-2) Eff 13 Dec

TOMSK, RUSSIA
ILS Y Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X		2500' MSA TI NDB
LOC ITI *110.3	Final Apch Crs 205°	GS LOM 1306'(754')	ILS DA(H) Refer to Minimums	Apt Elev 598' RWY 552'	
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart turn RIGHT to final, or to holding as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 40 ①	Trans alt: 2900'(2348')	



Gnd speed-Kts	70	90	100	120	140	160	ALS	1210' (658')	TI 380	2200' (1648')
GS	2.92°	362	465	517	620	723	826	PAPI	PAPI	LT

ILS DA(H) AB: 752'(200') CD: 782'(230')		STRAIGHT-IN LANDING RWY 21 LOC (GS out)	
FULL	ALS out		
A	1200m		NOT AUTHORIZED
B			
C			
D			

PANS OPS

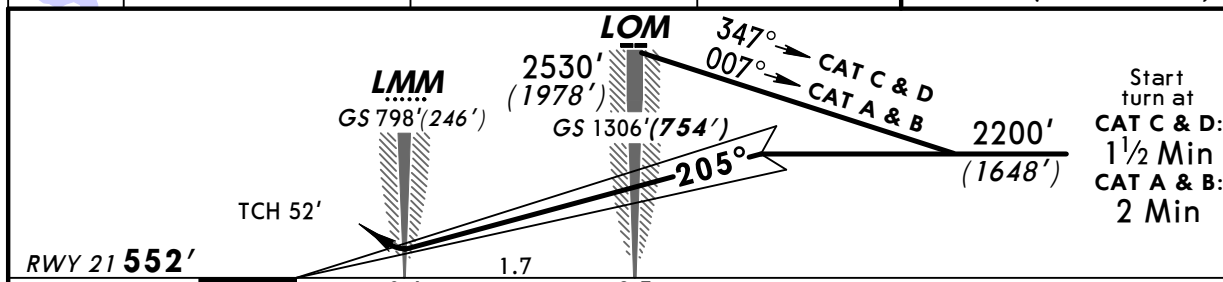
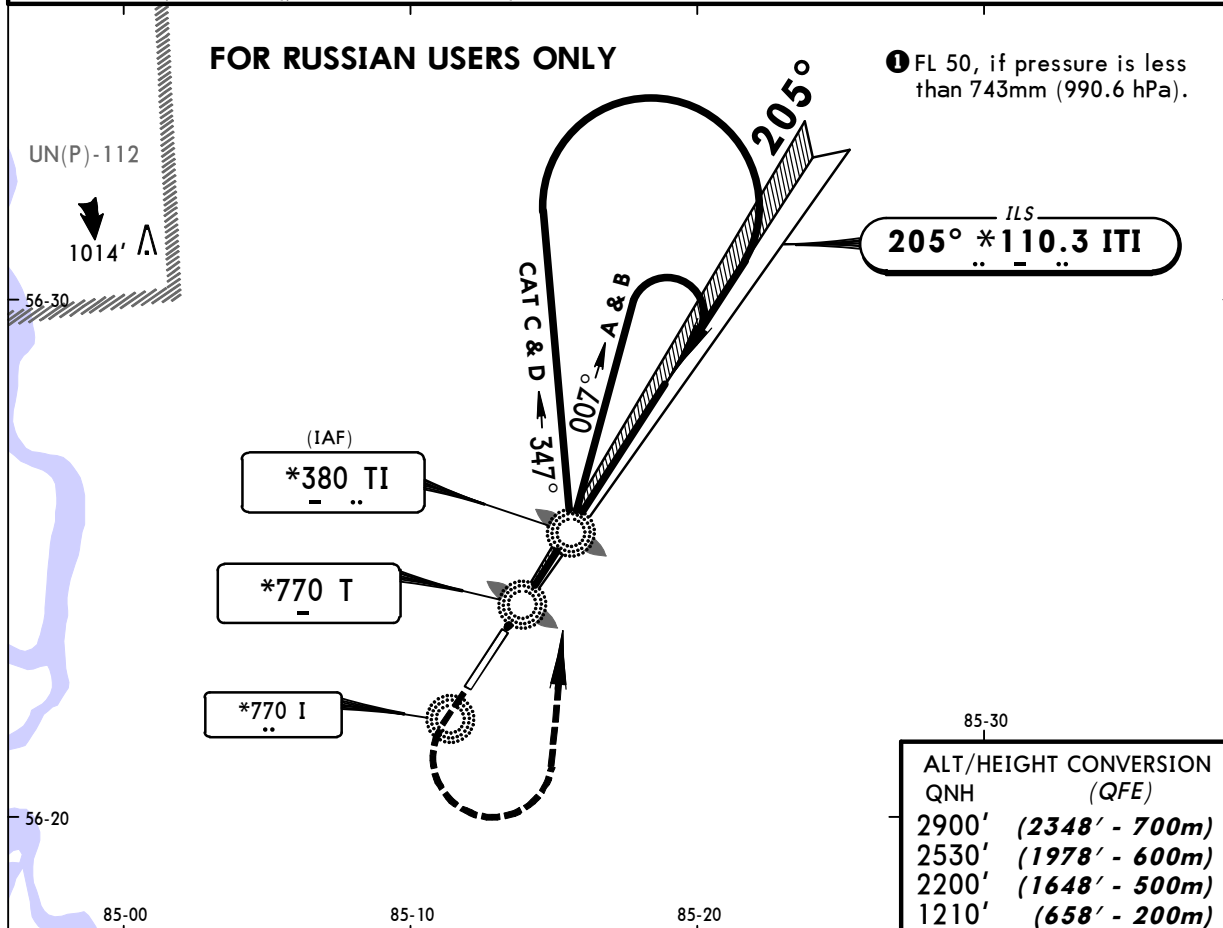
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12 **11-3** Eff 13 Dec

TOMSK, RUSSIA
ILS X Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X		2500' MSA TI NDB
LOC ITI *110.3	Final Apch Crs 205°	GS LOM 1306'(754')	ILS DA(H) Refer to Minimums	Apt Elev 598' RWY 552'	
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart, or to holding as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 40 ①	Trans alt: 2900'(2348')	



Gnd speed-Kts	70	90	100	120	140	160	ALS	1210' (658')	TI 380	2200' (1648')
GS	2.92°	362	465	517	620	723	826	PAPI	PAPI	LT

ILS AB: 752' (200') CD: 782' (230')		STRAIGHT-IN LANDING RWY 21 LOC (GS out)	
FULL	ALS out		
A			
B			
C			
D			

PANS OPS

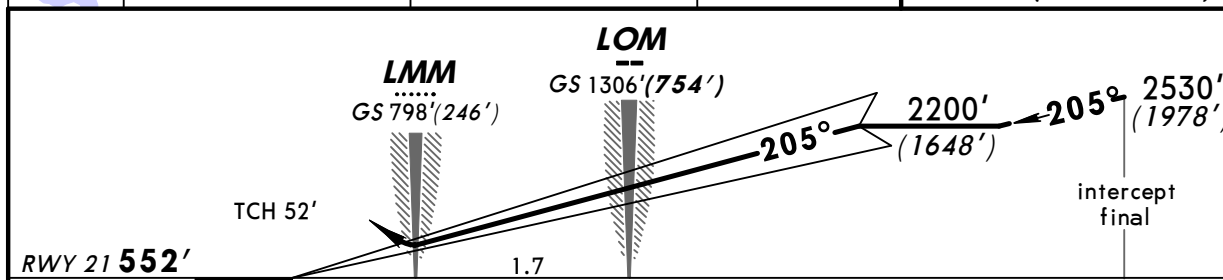
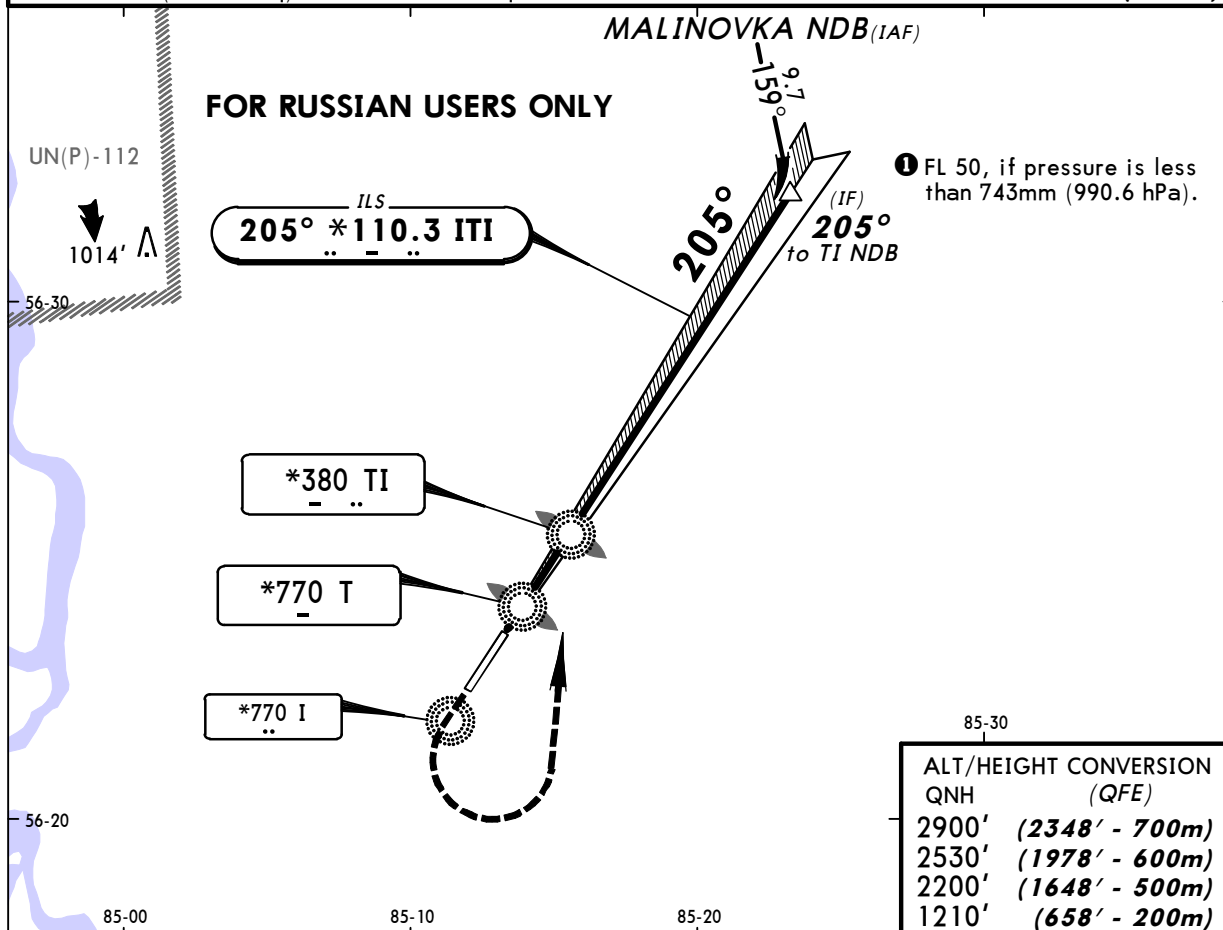
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12 **11-4** Eff 13 Dec

TOMSK, RUSSIA
ILS W Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X		2500' MSA TI NDB
LOC ITI *110.3	Final Apch Crs 205°	GS LOM 1306'(754')	ILS DA(H) Refer to Minimums	Apt Elev 598' RWY 552'	
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart turn RIGHT to final, or to holding as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 40 ①	Trans alt: 2900'(2348')	



Gnd speed-Kts	70	90	100	120	140	160	ALS PAPI PAPI	1210' (658')	TI 380	2200' (1648')
GS	2.92°	362	465	517	620	723		↑	↩	↑

ILS DA(H) AB: 752' (200') CD: 782' (230')		STRAIGHT-IN LANDING RWY 21 LOC (GS out)	
FULL	ALS out		
A	1200m		NOT AUTHORIZED
B			
C			
D			

PANS OPS

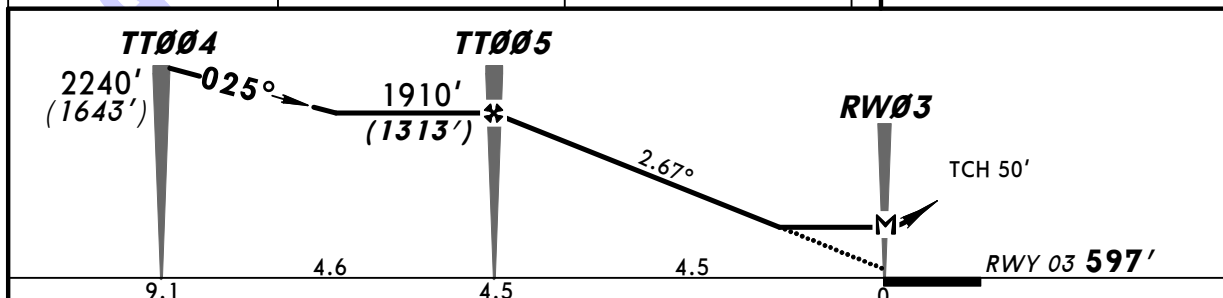
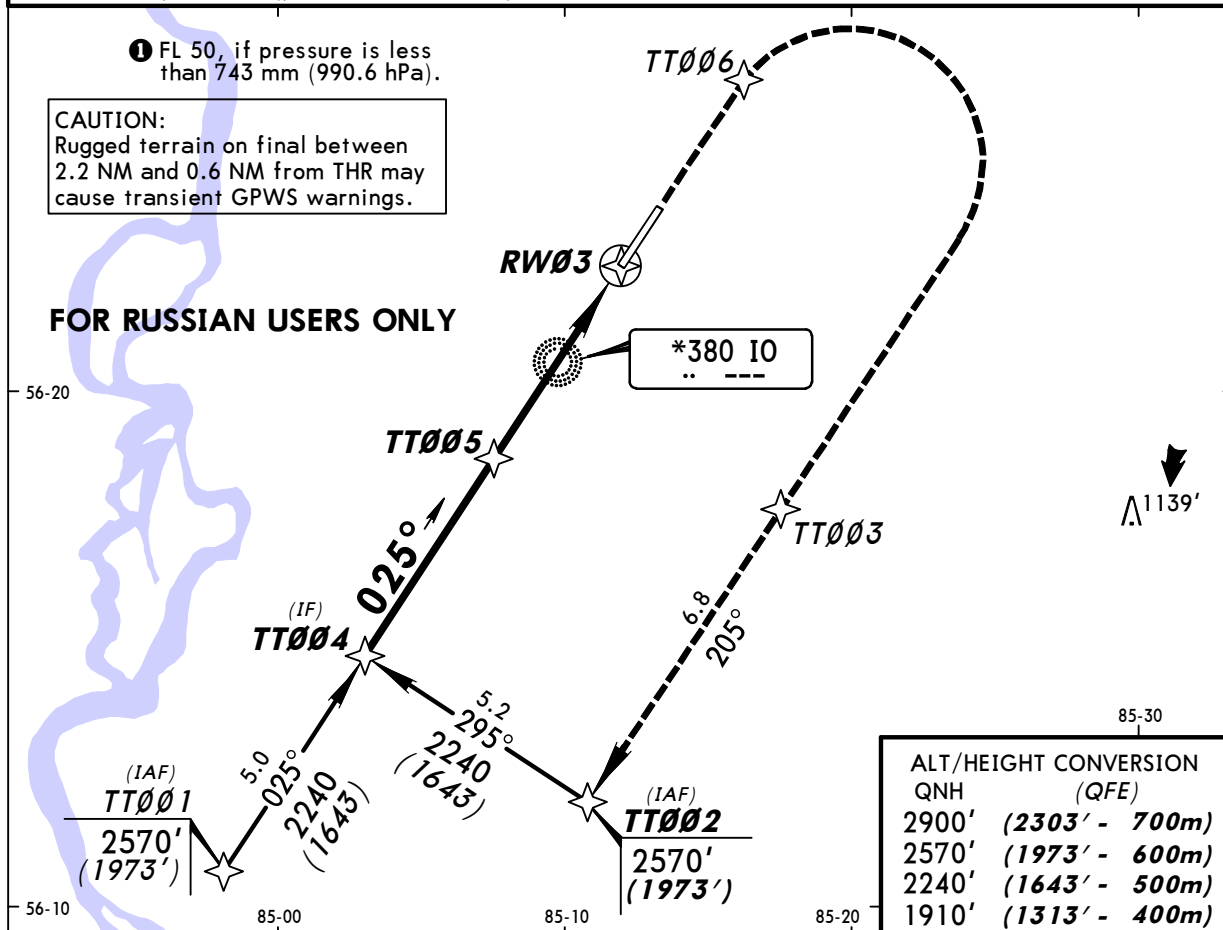
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12
Eff 13 Dec (12-1)

TOMSK, RUSSIA
RNAV (GNSS) Rwy 03

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA IO NDB
RNAV	Final Apch Crs 025°	Minimum Alt TT005 1910'(1313')	MDA(H) 1030'(433')	Apt Elev 598' RWY 597'		
MISSED APCH: Climb STRAIGHT AHEAD to TT006, then turn RIGHT to TT003 climbing to 2570' (1973'), then according to chart or as directed.						
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 40 ①	Trans alt: 2900' (2303')		



Gnd speed-Kts	70	90	100	120	140	160	ALS PAPI PAPI TT006
Descent Angle 2.67°	331	425	472	567	661	756	
MAP at RW03							

STRAIGHT-IN LANDING RWY 03	
MDA(H) 1030' (433')	
	ALS out
A	1600m
B	
C	2000m
D	2400m

PANS OPS

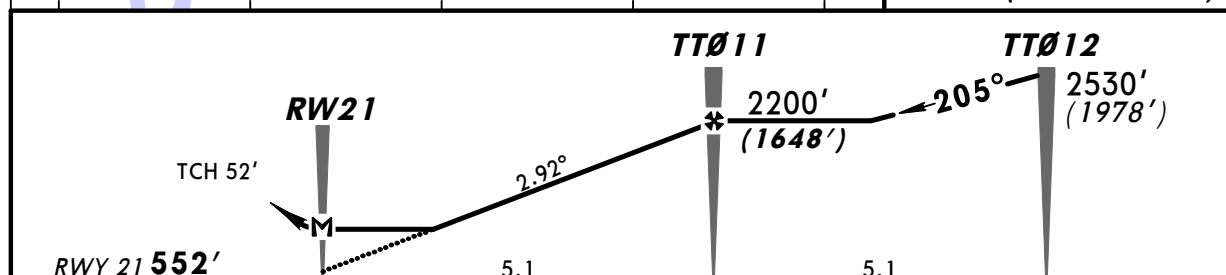
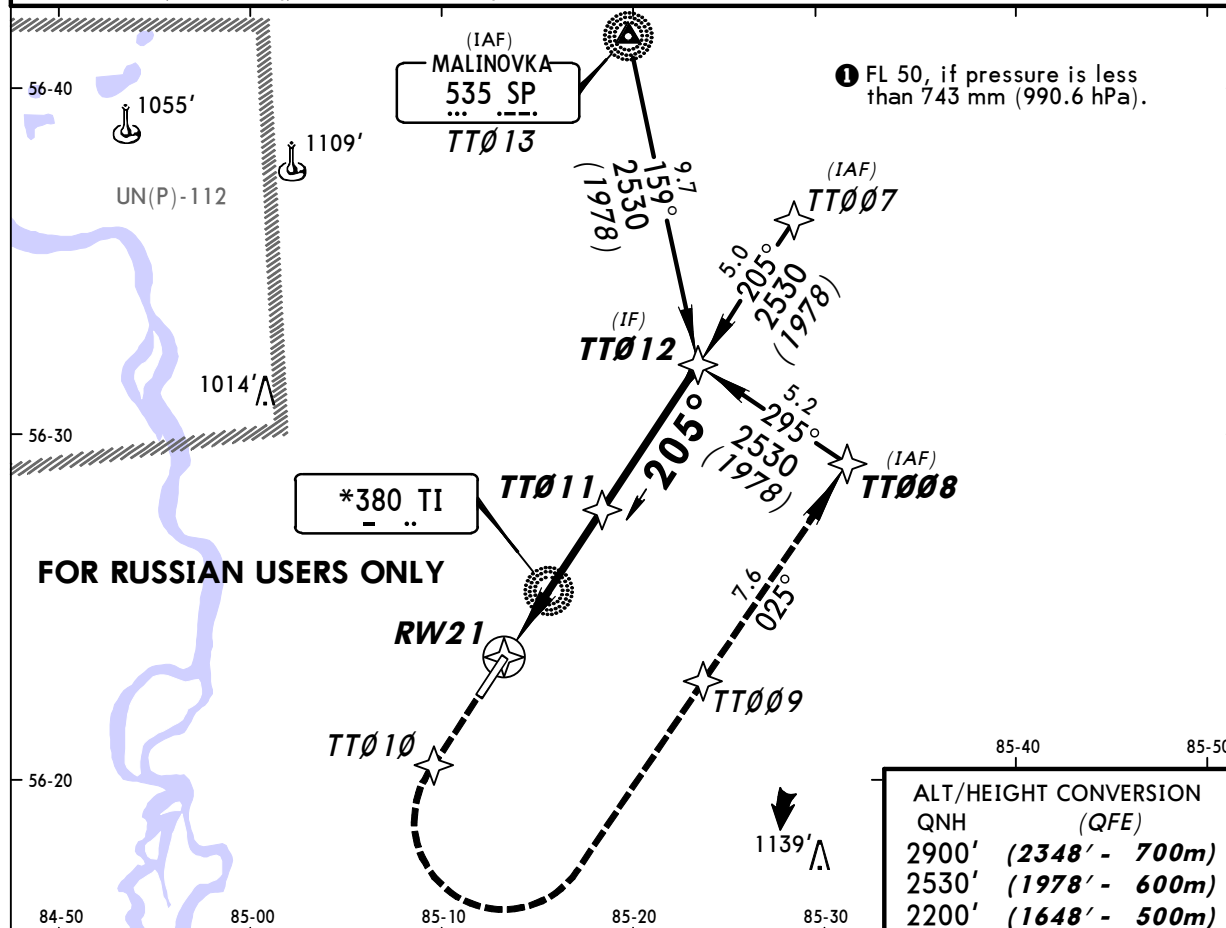
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12
Eff 13 Dec (12-2)

TOMSK, RUSSIA
RNAV (GNSS) Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA TI NDB
RNAV	Final Apch Crs 205°	Minimum Alt TT011 2200' (1648')	MDA(H) 970' (418')	Apt Elev 598' RWY 552'		
MISSED APCH: Climb STRAIGHT AHEAD to TT010, then turn LEFT to TT009 climbing to 2530' (1978'), then according to chart or as directed.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40 ①		
Trans alt: 2900' (2348')						



Gnd speed-Kts	70	90	100	120	140	160	ALS PAPI PAPI	TT010 ↑
Descent Angle	2.92°	362	465	517	620	723		
MAP at RW21								

STRAIGHT-IN LANDING RWY 21

MDA(H) 970' (418')

ALS out

A	1600m	
B		
C	2000m	
D		

PANS OPS

UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12
Eff 13 Dec

(16-1)

2 NDB Z or NDB Z Rwy 03

TOMSK, RUSSIA

BRIEFING STRIP

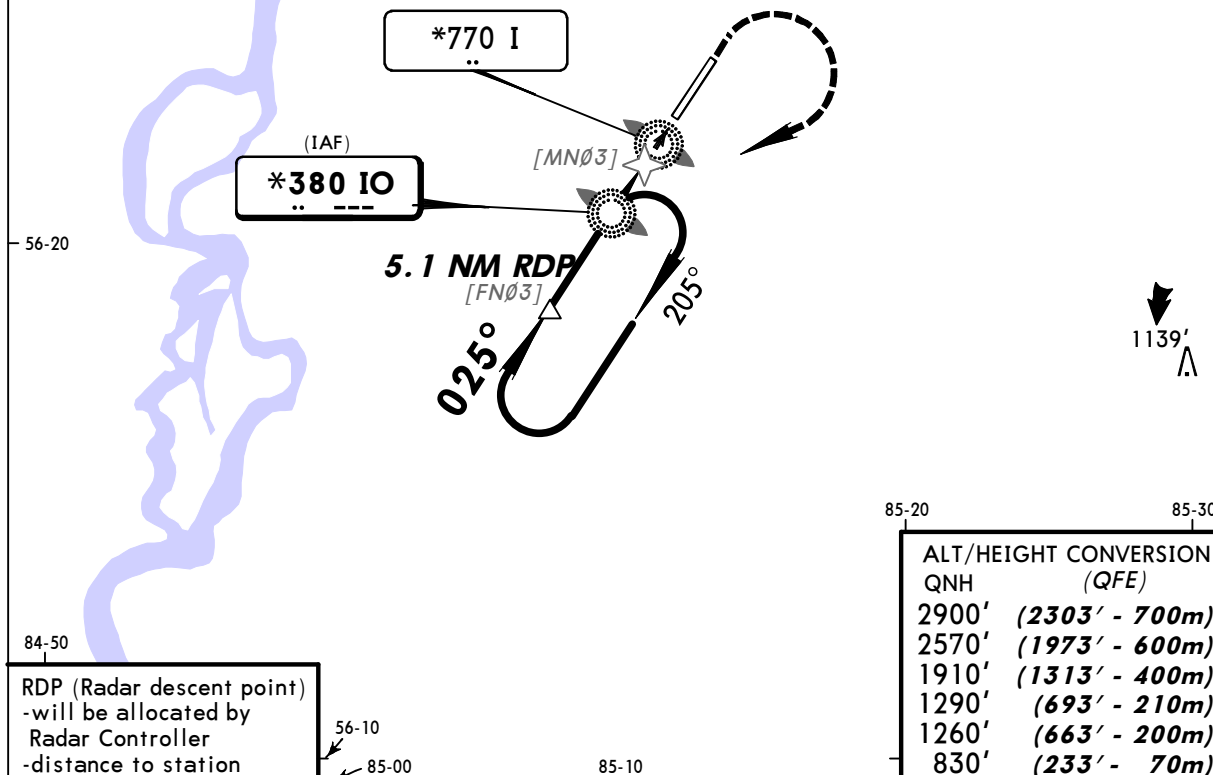
*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA IO NDB
NDB IO *380	Final Apch Crs 025°	Minimum Alt 5.1 NM RDP 1910' (1313')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 597'		
MISSED APCH: Climb to 1260' (663'), then turn RIGHT to IO NDB climbing to 1910' (1313'), then according to chart turn LEFT to final, or to holding as directed.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40 ①	Trans alt: 2900' (2303')	

FOR RUSSIAN USERS ONLY

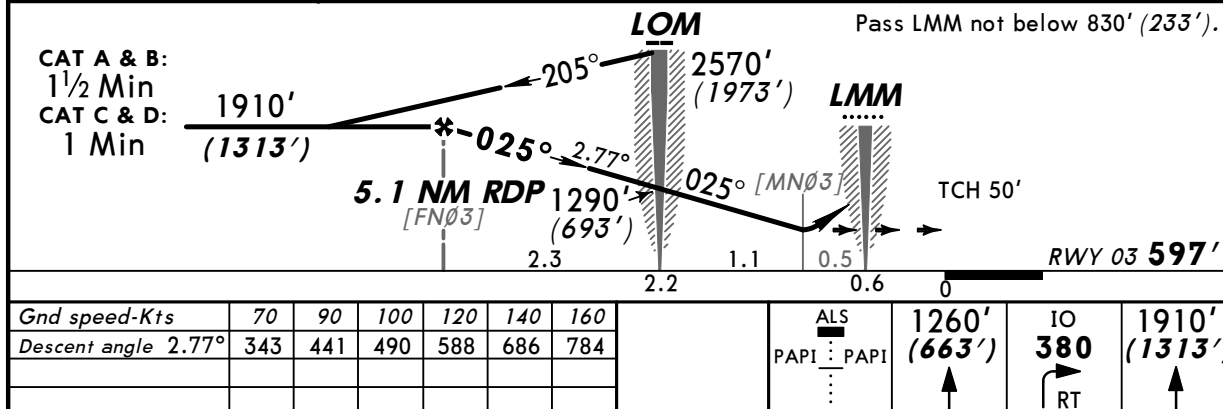
① FL 50, if pressure is less than 743mm (990.6 hPa).

CAUTION:

Rugged terrain on final between LOM and LMM may cause transient GPWS warnings.



CAT A & B:
1 1/2 Min
CAT C & D:
1 Min



2 NDB		STRAIGHT-IN LANDING RWY 03		I LMM	
MDA(H) 980' (383')		IO LOM AB: 1260' (663') CD: 1420' (823')		MDA(H) AB: 1260' (663') CD: 1590' (993')	
ALS out		ALS out		ALS out	
A		3200m		3200m	
B		3200m		3200m	
C		4000m		4800m	
D		4400m		4800m	

PANS OPS

UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12
Eff 13 Dec

(16-2)

2 NDB Y or NDB Y Rwy 03

TOMSK, RUSSIA

BRIEFING STRIP

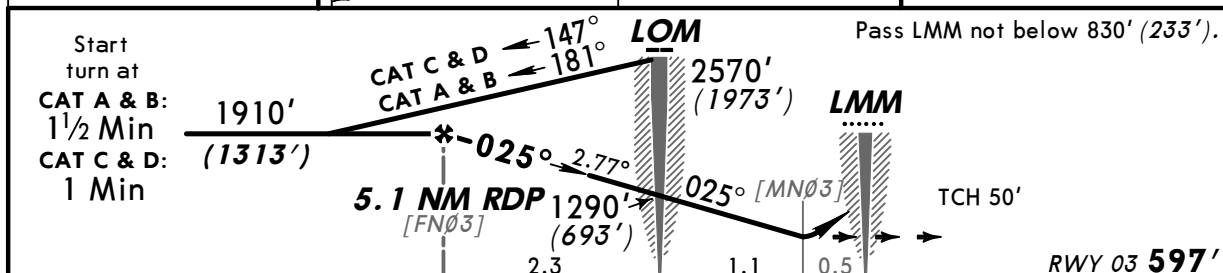
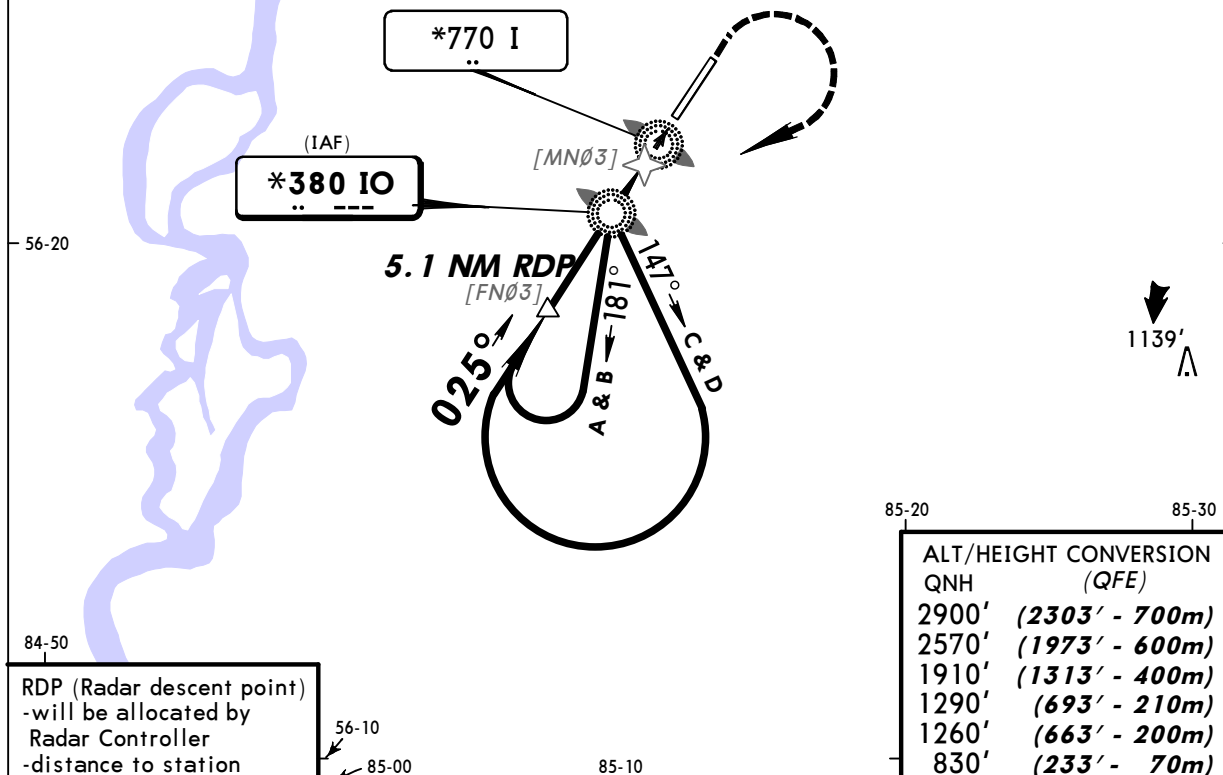
*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA IO NDB
NDB IO *380	Final Apch Crs 025°	Minimum Alt 5.1 NM RDP 1910' (1313')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 597'		
MISSED APCH: Climb to 1260' (663'), then turn RIGHT to IO NDB climbing to 1910' (1313'), then according to chart turn LEFT to final, or to holding as directed.						
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 ① Trans alt: 2900' (2303')						

FOR RUSSIAN USERS ONLY

① FL 50, if pressure is less than 743mm (990.6 hPa).

CAUTION:

Rugged terrain on final between LOM and LMM may cause transient GPWS warnings.



Gnd speed-Kts	70	90	100	120	140	160	ALS	1260' (663')	IO	1910' (1313')
Descent angle 2.77°	343	441	490	588	686	784	PAPI	PAPI	RT	

2 NDB		STRAIGHT-IN LANDING RWY 03		I LMM	
MDA(H) 980' (383')		IO LOM AB: 1260' (663') CD: 1420' (823')		MDA(H) AB: 1260' (663') CD: 1590' (993')	
ALS out		ALS out		ALS out	
A		3200m		3200m	
B					
C	2100m	4000m		4800m	
D		4400m			

PANS OPS

UNTT/TOF
BOGASHEVO

JEPPESSEN
7 DEC 12
Eff 13 Dec

(16-3)

TOMSK, RUSSIA
2 NDB X or NDB X Rwy 03

BRIEFING STRIP

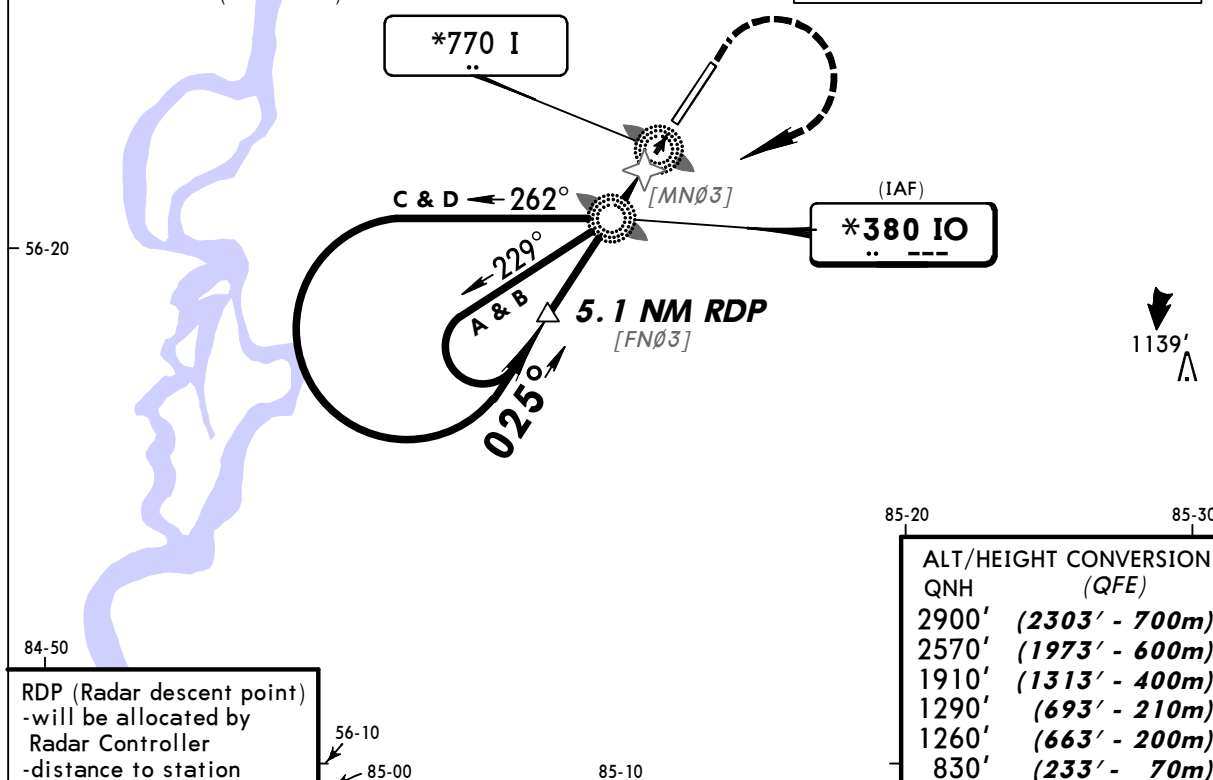
*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA IO NDB
NDB IO *380	Final Apch Crs 025°	Minimum Alt 5.1 NM RDP 1910' (1313')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 597'		
MISSED APCH: Climb to 1260' (663'), then turn RIGHT to IO NDB climbing to 1910' (1313'), then according to chart, or to holding as directed.						
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 ① Trans alt: 2900' (2303')						

FOR RUSSIAN USERS ONLY

① FL 50, if pressure is less than 743mm (990.6 hPa).

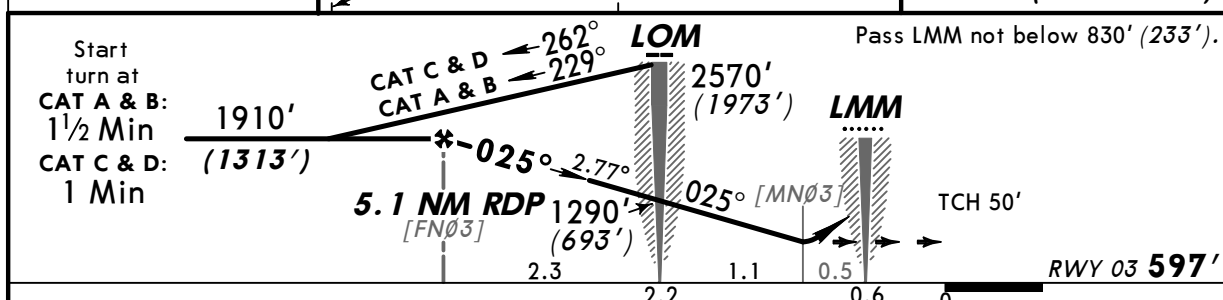
CAUTION:

Rugged terrain on final between LOM and LMM may cause transient GPWS warnings.



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

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2900'	(2303' - 700m)
2570'	(1973' - 600m)
1910'	(1313' - 400m)
1290'	(693' - 210m)
1260'	(663' - 200m)
830'	(233' - 70m)



Gnd speed-Kts	70	90	100	120	140	160	ALS	1260' (663')	IO 380	1910' (1313')
Descent angle 2.77°	343	441	490	588	686	784	PAPI			

2 NDB			STRAIGHT-IN LANDING RWY 03			I LMM		
MDA(H) 980' (383')			IO LOM AB: 1260' (663') CD: 1420' (823')			MDA(H) AB: 1260' (663') CD: 1590' (993')		
ALS out			ALS out			ALS out		
A	2100m		3200m			3200m		
B								
C			4000m			4800m		
D			4400m					

CHANGES: New procedure.

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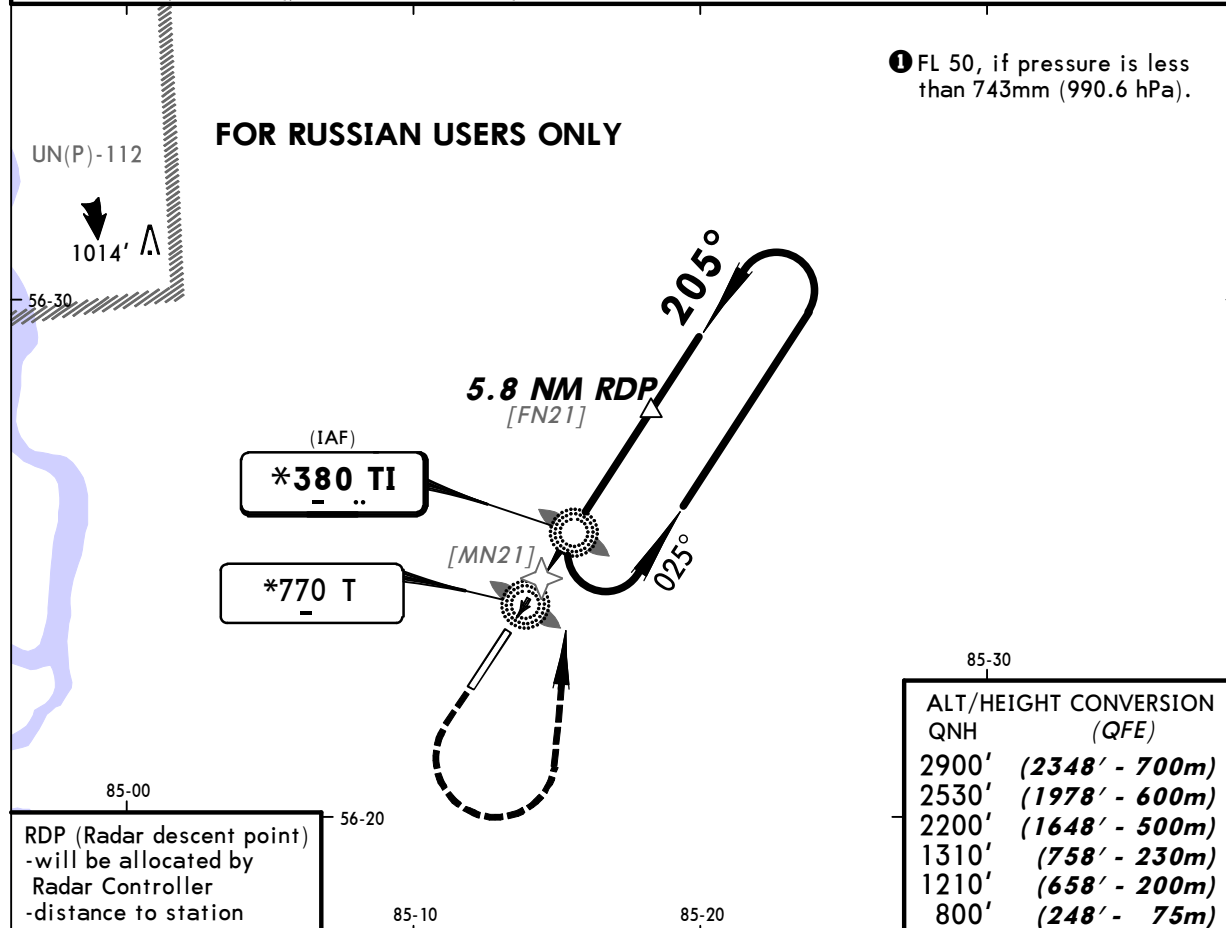
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12
Eff 13 Dec (16-4)

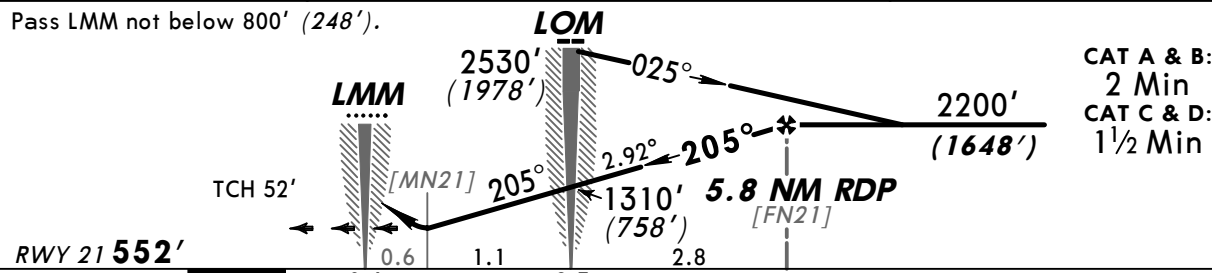
TOMSK, RUSSIA
2 NDB Z or NDB Z Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA TI NDB
NDB TI *380	Final Apch Crs 205°	Minimum Alt 5.8 NM RDP 2200' (1648')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 552'		
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart turn RIGHT to final, or to holding as directed.						
Alt Set: MM (hPa on req)			QNH on req (QFE)		Trans level: FL 40 ①	Trans alt: 2900' (2348')



Pass LMM not below 800' (248').



Gnd speed-Kts	70	90	100	120	140	160	ALS	1210' (658')	TI 380	2200' (1648')
Descent angle 2.92°	362	465	517	620	723	826	PAPI PAPI	↑	↶	↑

STRAIGHT-IN LANDING RWY 21			
2 NDB		T LMM	
With FAF MDA(H) 970' (418')	W/o FAF MDA(H) 1380' (828')	TI LOM AB: 1210' (658') CD: 1380' (828')	AB: 1210' (658') CD: 1540' (988')
ALS out	ALS out	ALS out	ALS out
A		3200m	3200m
B		3200m	3200m
C	2200m	4000m	4800m
D		4400m	4400m

PANS OPS

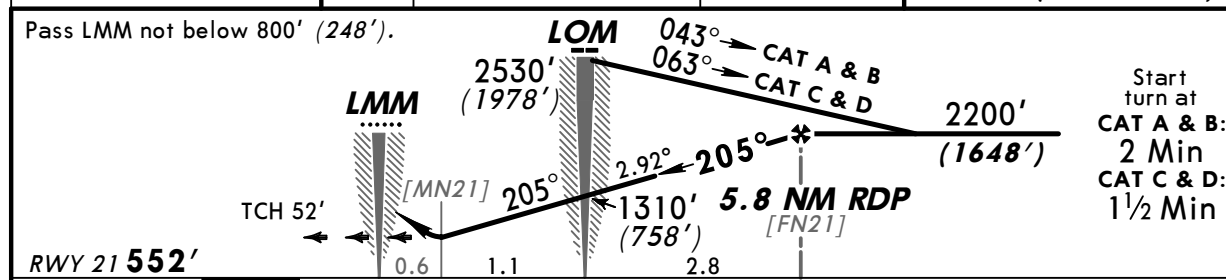
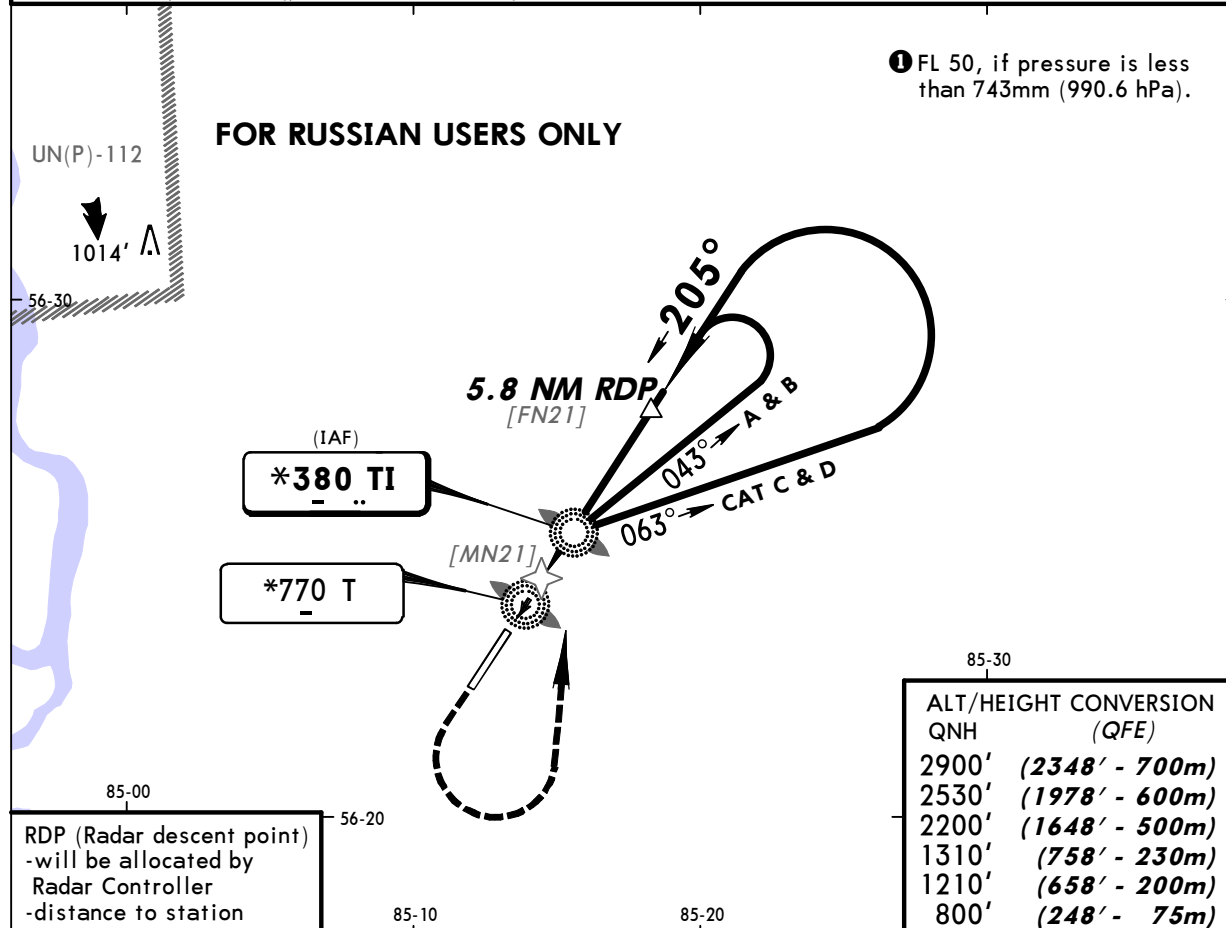
UNTT/TOF
BOGASHEVO

JEPPESSEN
7 DEC 12
Eff 13 Dec (16-5)

TOMSK, RUSSIA
2 NDB Y or NDB Y Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA TI NDB
NDB TI *380	Final Apch Crs 205°	Minimum Alt 5.8 NM RDP 2200' (1648')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 552'		
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart turn RIGHT to final, or to holding as directed.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40 ①	Trans alt: 2900' (2348')	



Gnd speed-Kts	70	90	100	120	140	160	ALS	1210' (658')	TI 380	2200' (1648')
Descent angle	2.92°	362	465	517	620	723	826	PAPI PAPI	LT	

STRAIGHT-IN LANDING RWY 21			
2 NDB		T LMM	
With FAF MDA(H) 970' (418')	W/o FAF MDA(H) 1380' (828')	AB: 1210' (658') CD: 1380' (828')	AB: 1210' (658') CD: 1540' (988')
ALS out	ALS out	ALS out	ALS out
A		3200m	3200m
B		3200m	3200m
C	2200m	4000m	4000m
D		4400m	4400m

PANS OPS

UNTT/TOF
BOGASHEVO

JEPPESSEN
7 DEC 12
Eff 13 Dec

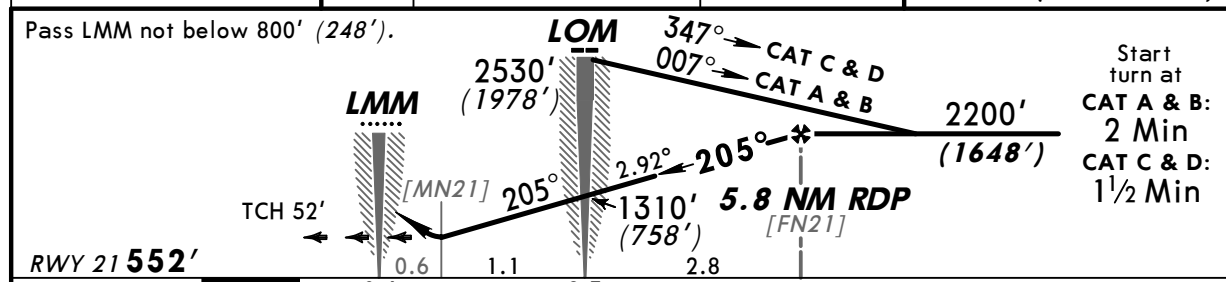
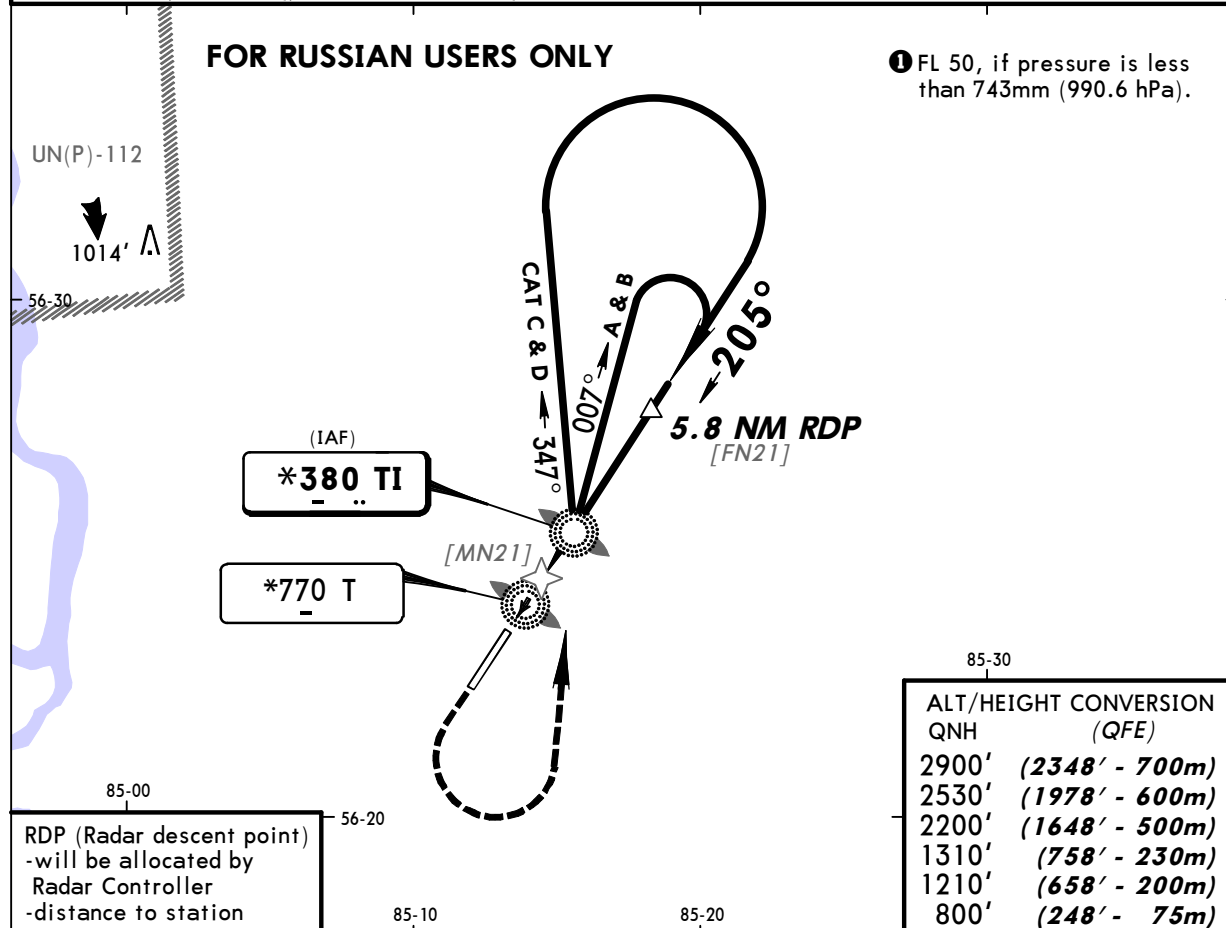
(16-6)

2 NDB X or NDB X Rwy 21

TOMSK, RUSSIA

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA TI NDB
NDB TI *380	Final Apch Crs 205°	Minimum Alt 5.8 NM RDP 2200' (1648')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 552'		
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart, or to holding as directed.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40 ①	Trans alt: 2900' (2348')	



Gnd speed-Kts	70	90	100	120	140	160	ALS	1210' (658')	TI 380	2200' (1648')
Descent angle 2.92°	362	465	517	620	723	826	PAPI PAPI	↑	↶	↑

STRAIGHT-IN LANDING RWY 21				T LMM			
With FAF MDA(H) 970' (418')		W/o FAF MDA(H) 1380' (828')		TI LOM AB: 1210' (658') CD: 1380' (828')		T LMM AB: 1210' (658') CD: 1540' (988')	
ALS out		ALS out		ALS out		ALS out	
A		3200m		3200m		3200m	
B		3200m		3200m		3200m	
C		4000m		4000m		4800m	
D		4400m		4400m		4800m	

PANS OPS

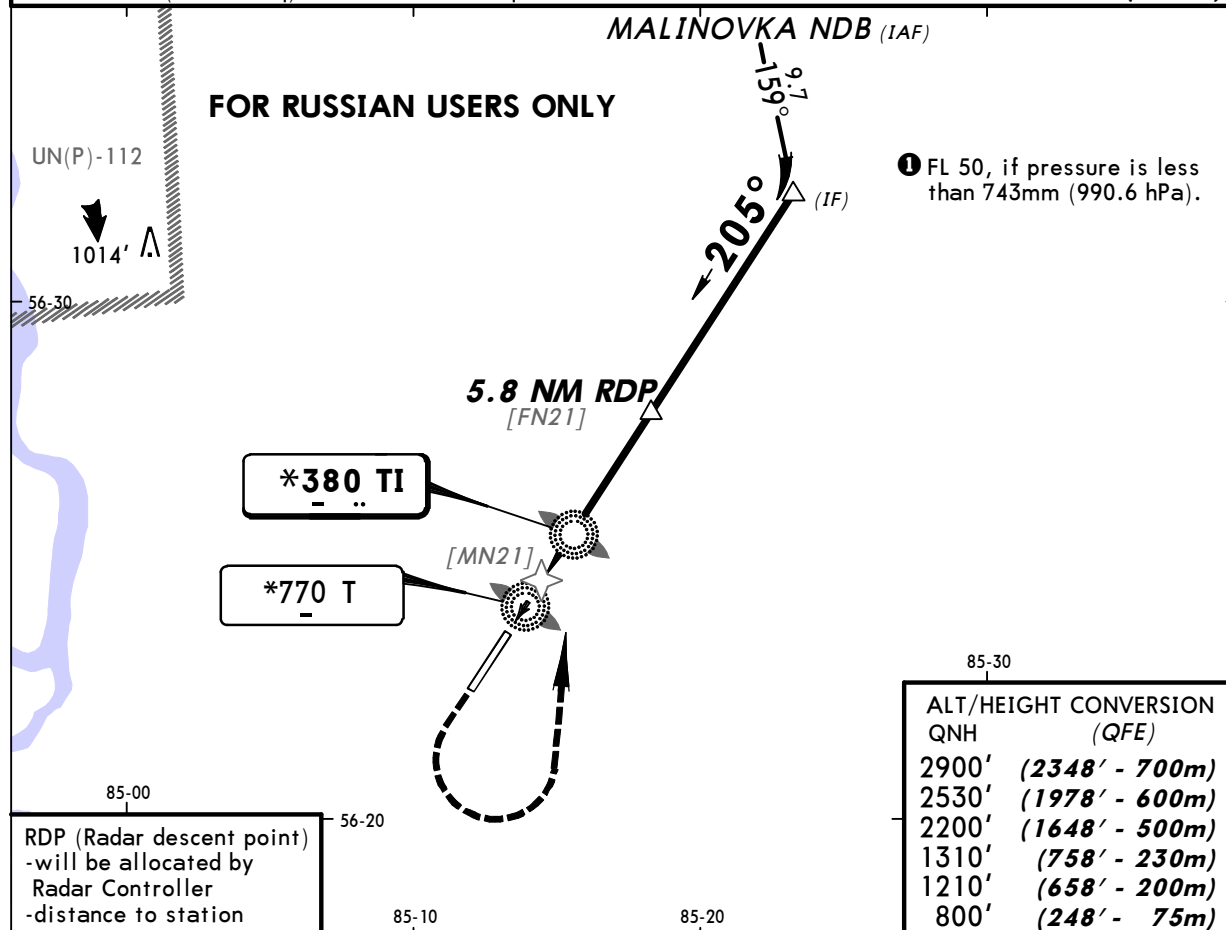
UNTT/TOF
BOGASHEVO

JEPPESEN
7 DEC 12
Eff 13 Dec (16-7)

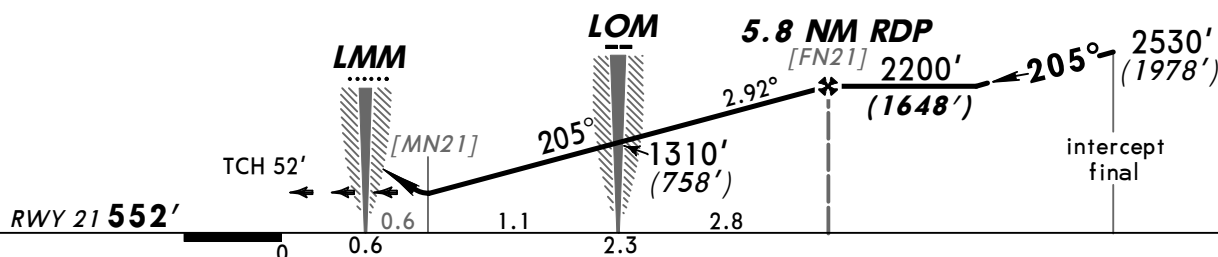
TOMSK, RUSSIA
2 NDB W or NDB W Rwy 21

BRIEFING STRIP

*ATIS Russian only 127.8			*MAYATNIK Radar Russian only 119.3 124.0X			2500' MSA TI NDB
NDB TI *380	Final ApcH Crs 205°	Minimum Alt 5.8 NM RDP 2200' (1648')	MDA(H) Refer to Minimums	Apt Elev 598' RWY 552'		
MISSED APCH: Climb to 1210' (658'), then turn LEFT to TI NDB climbing to 2200' (1648'), then according to chart turn RIGHT to final, or to holding as directed.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40 ①	Trans alt: 2900' (2348')	



Pass LMM not below 800' (248').



ALS	1210' (658')	TI 380	2200' (1648')
PAPI		LT	

STRAIGHT-IN LANDING RWY 21			
2 NDB		T LMM	
With FAF	W/o FAF	TI LOM	T LMM
MDA(H) 970' (418')	MDA(H) 1380' (828')	AB: 1210' (658') CD: 1380' (828')	AB: 1210' (658') CD: 1540' (988')
ALS out	ALS out	ALS out	ALS out
A			
B	3200m	3200m	3200m
C	2200m	4000m	4800m
D		4400m	

PANS OPS