

Page 1

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 URSS

General Info

Sochi, RUS

N 43° 26.7' E 39° 56.8' Mag Var: 5.2°E

Elevation: 90'

Public, IFR, Control Tower, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+4:00 no DST

Runway Info

Runway 02-20 8202' x 161' concrete

Runway 06-24 9498' x 148' concrete

Runway 02 (22.0°M) TDZE 50'

Lights: Edge, ALS

Runway 06 (59.0°M) TDZE 39'

Lights: Edge, ALS

Runway 20 (202.0°M) TDZE 90'

Lights: Edge

Runway 24 (239.0°M) TDZE 87'

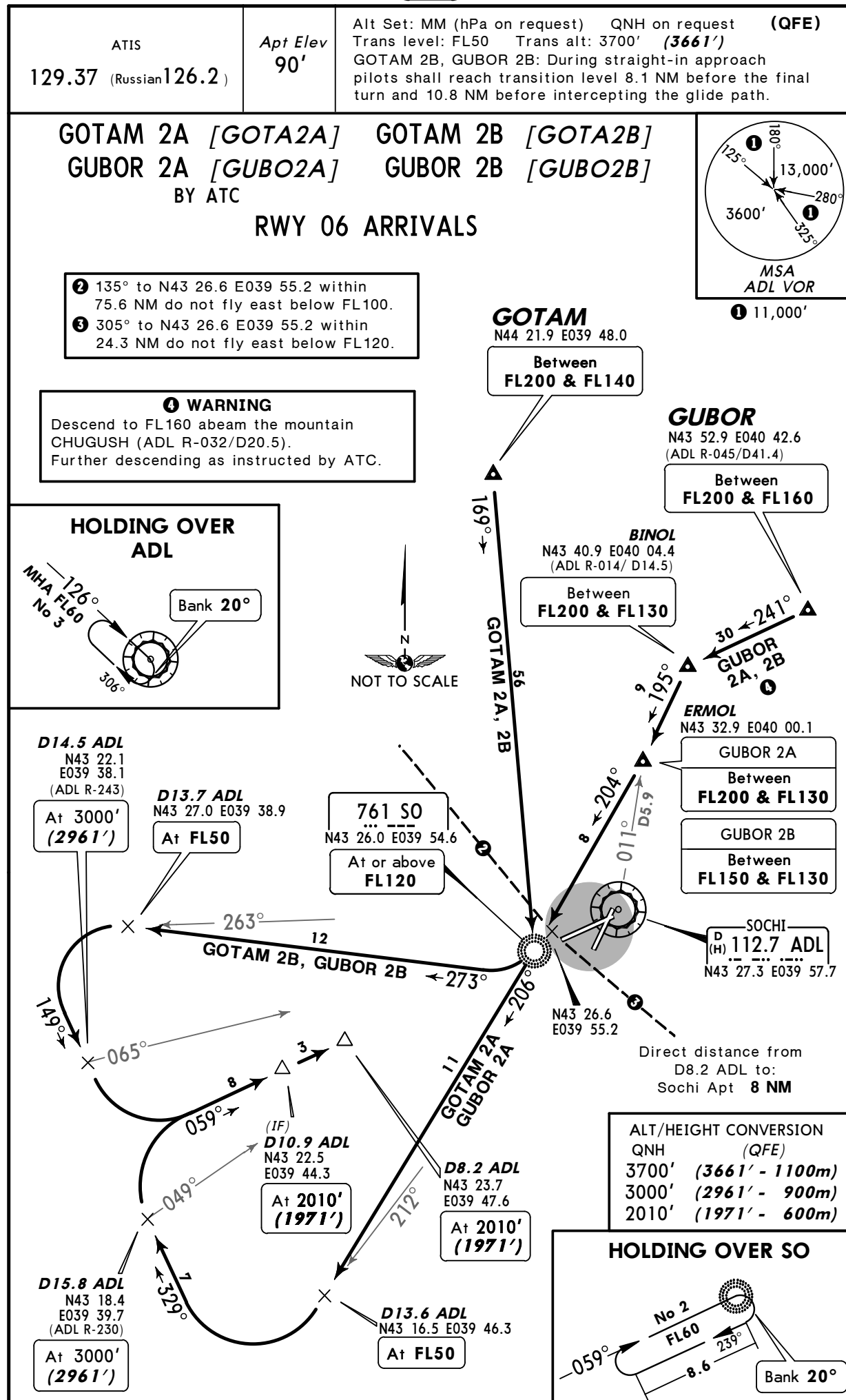
Lights: Edge

Communications InfoATIS **129.375**ATIS **126.2** Non-EnglishSochi Taxiing Tower **119.0**Sochi Start Tower **124.6**Sochi Start Tower **124.0**Sochi Start Tower **121.2**Sochi Krug Tower **119.7**Sochi Approach Control **124.0**Sochi Approach Control **118.3**Sochi Transit Operations **131.9****Notebook Info**

URSS/AER
SOCHI

JEPPESSEN
7 DEC 12 10-2 Eff 13 Dec

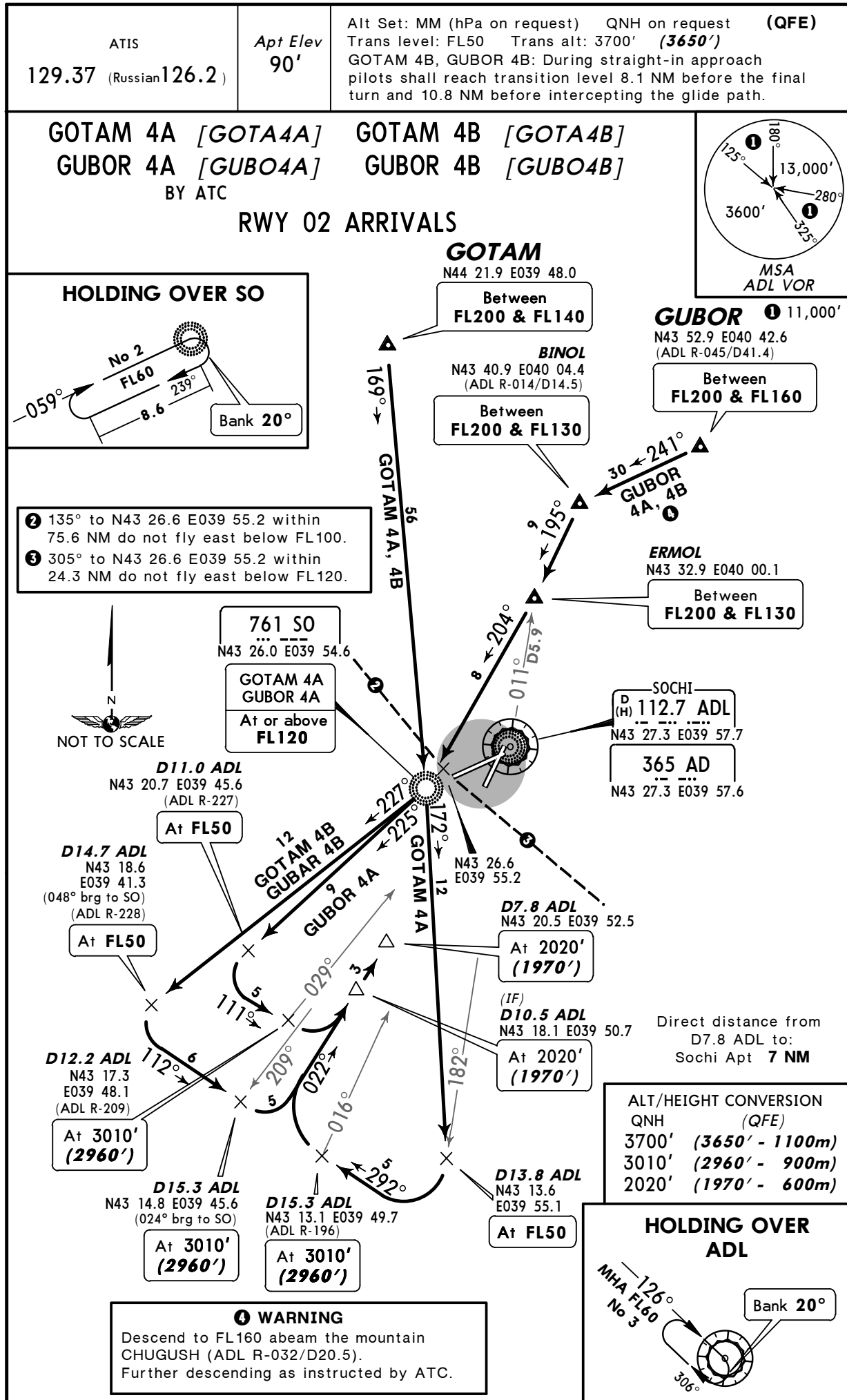
SOCHI, RUSSIA
STAR



URSS/AER
SOCHIJEPPesen
7 DEC 12 (10-2A) Eff 13 Dec

SOCHI, RUSSIA

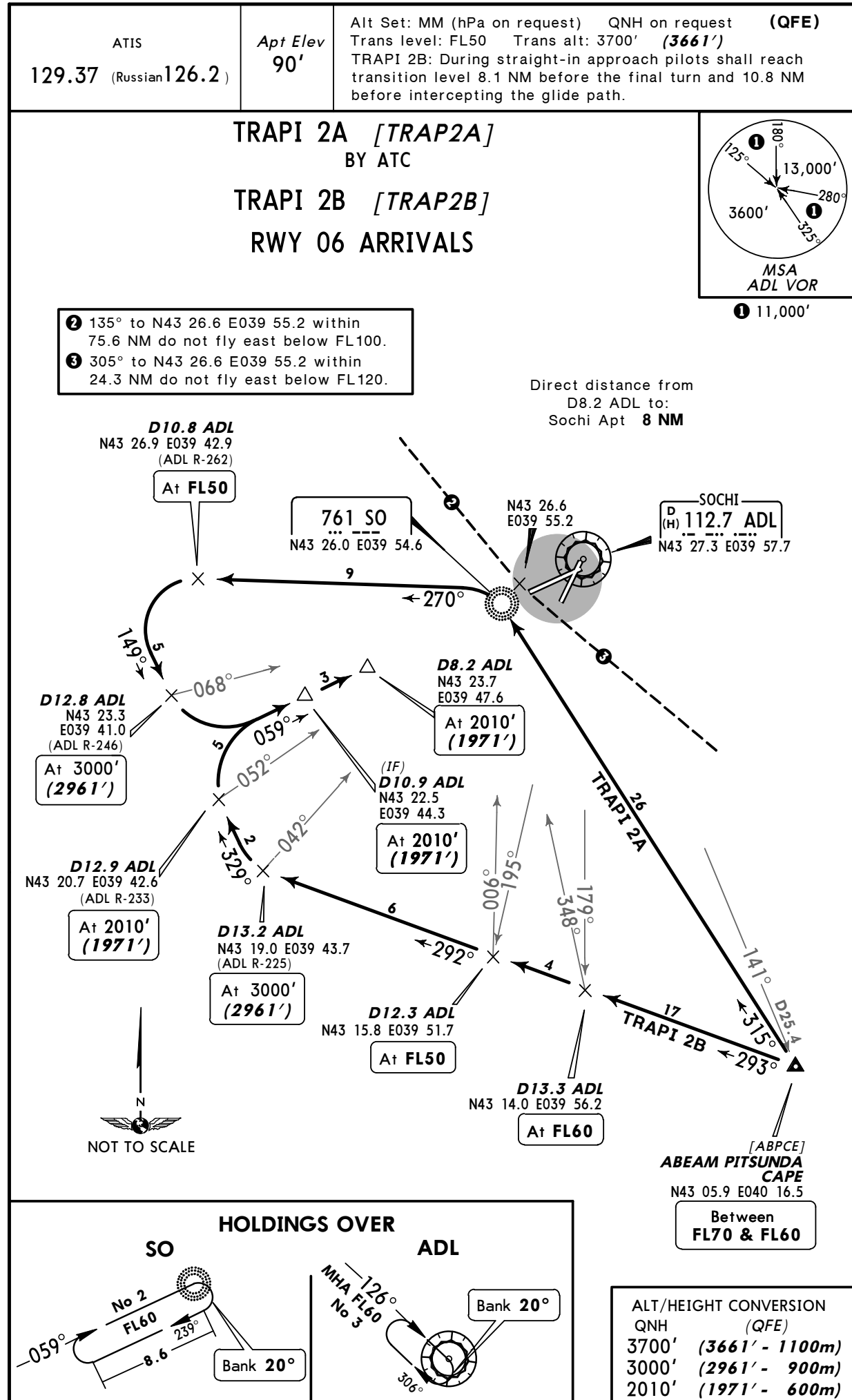
STAR



URSS/AER
SOCHI

JEPPESEN
7 DEC 12 **10-2B** Eff 13 Dec

SOCHI, RUSSIA
STAR



URSS/AER
SOCHI

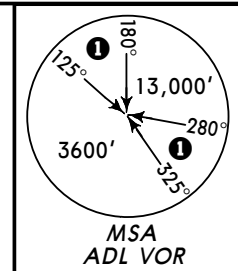
JEPPESSEN
7 DEC 12 10-2C Eff 13 Dec

SOCHI, RUSSIA
STAR

ATIS 129.37 (Russian 126.2)	Apt Elev 90'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL50 Trans alt: 3700' (3650') TRAPI 4B: During straight-in approach pilots shall reach transition level 8.1 NM before the final turn and 10.8 NM before intercepting the glide path.
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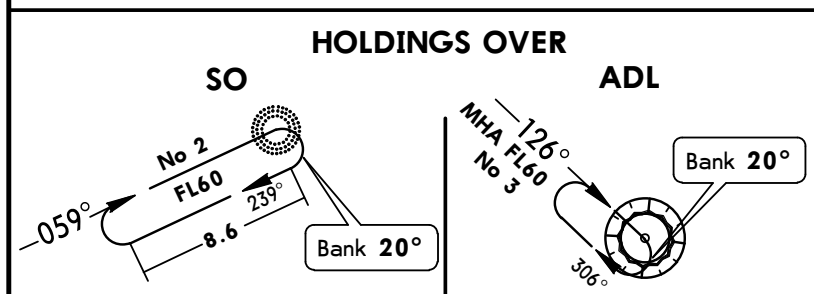
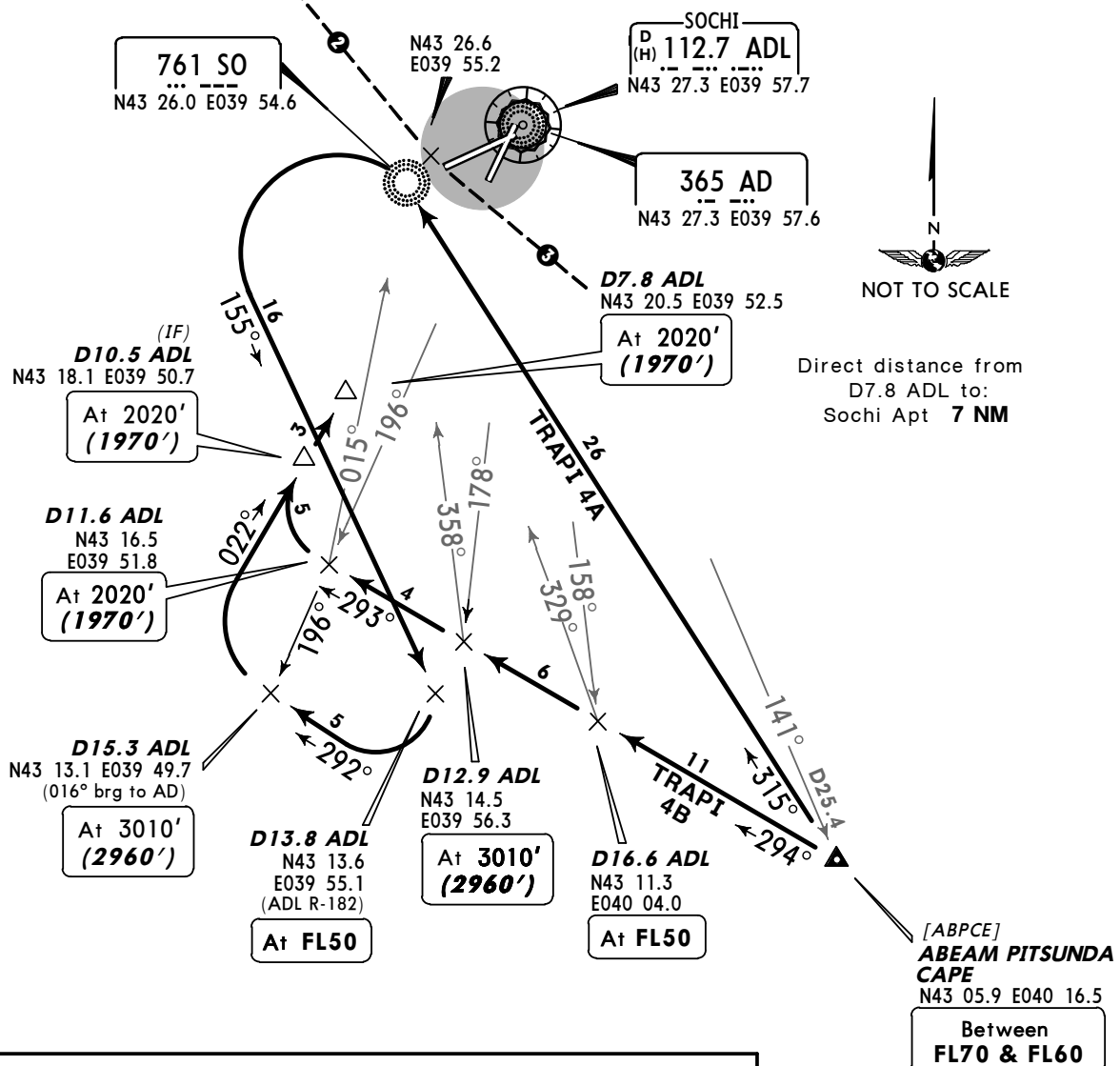
TRAPI 4A [TRAP4A]
BY ATC

TRAPI 4B [TRAP4B]
RWY 02 ARRIVALS



① 11,000'

- ② 135° to N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- ③ 305° to N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.



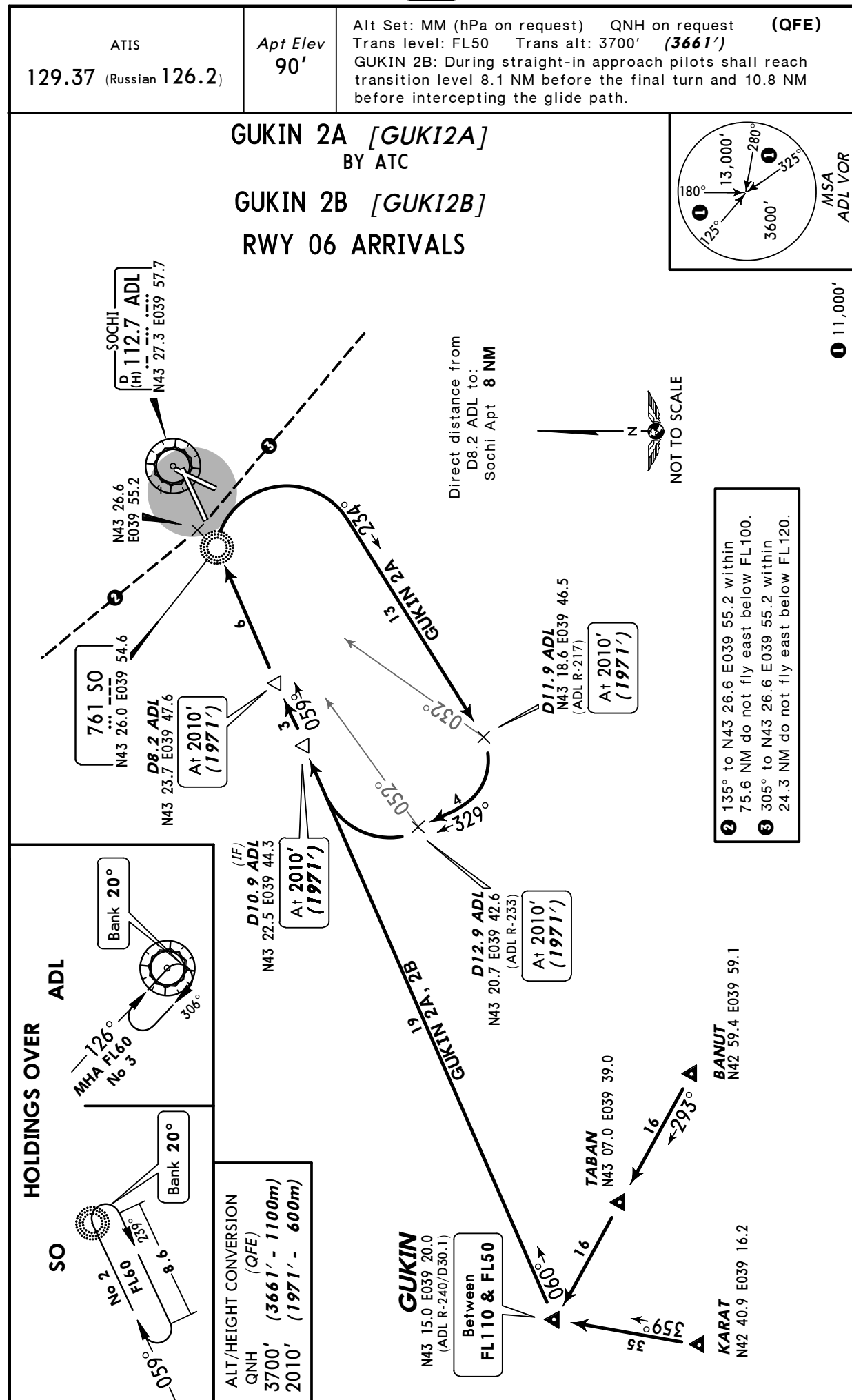
ALT/HEIGHT CONVERSION	QNH	(QFE)
3700'	(3650' - 1100m)	
3010'	(2960' - 900m)	
2020'	(1970' - 600m)	

URSS/AER
SOCHI

JEPPESEN
7 DEC 12 10-2D Eff 13 Dec

SOCHI, RUSSIA

STAR

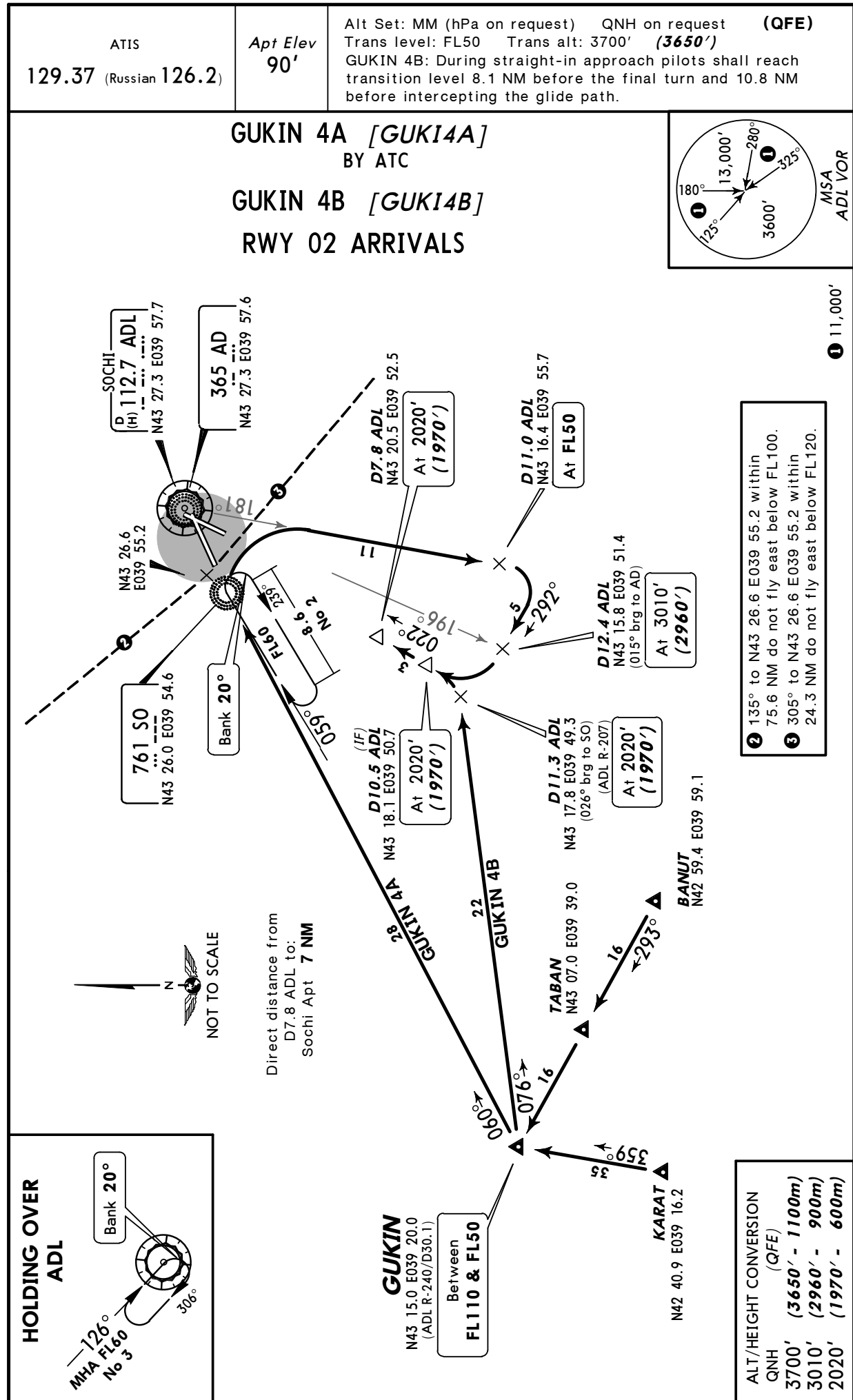


URSS/AER
SOCHI

JEPPESEN
7 DEC 12 10-2E Eff 13 Dec

SOCHI, RUSSIA

STAR



URSS/AER
SOCHI

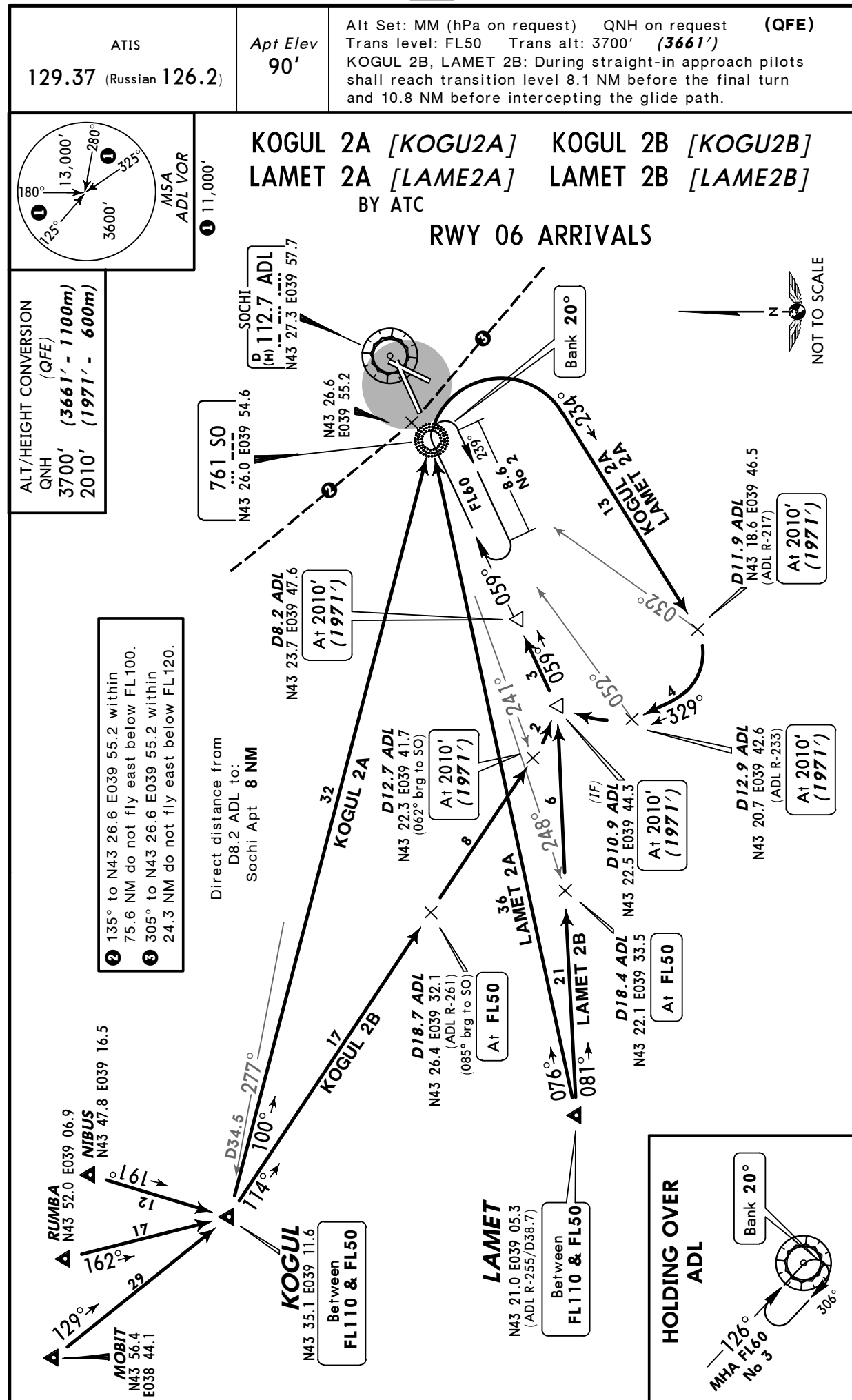
7 DEC 12

10-2F

Eff 13 Dec

SOCHI, RUSSIA

STAR



URSS/AER
SOCHI

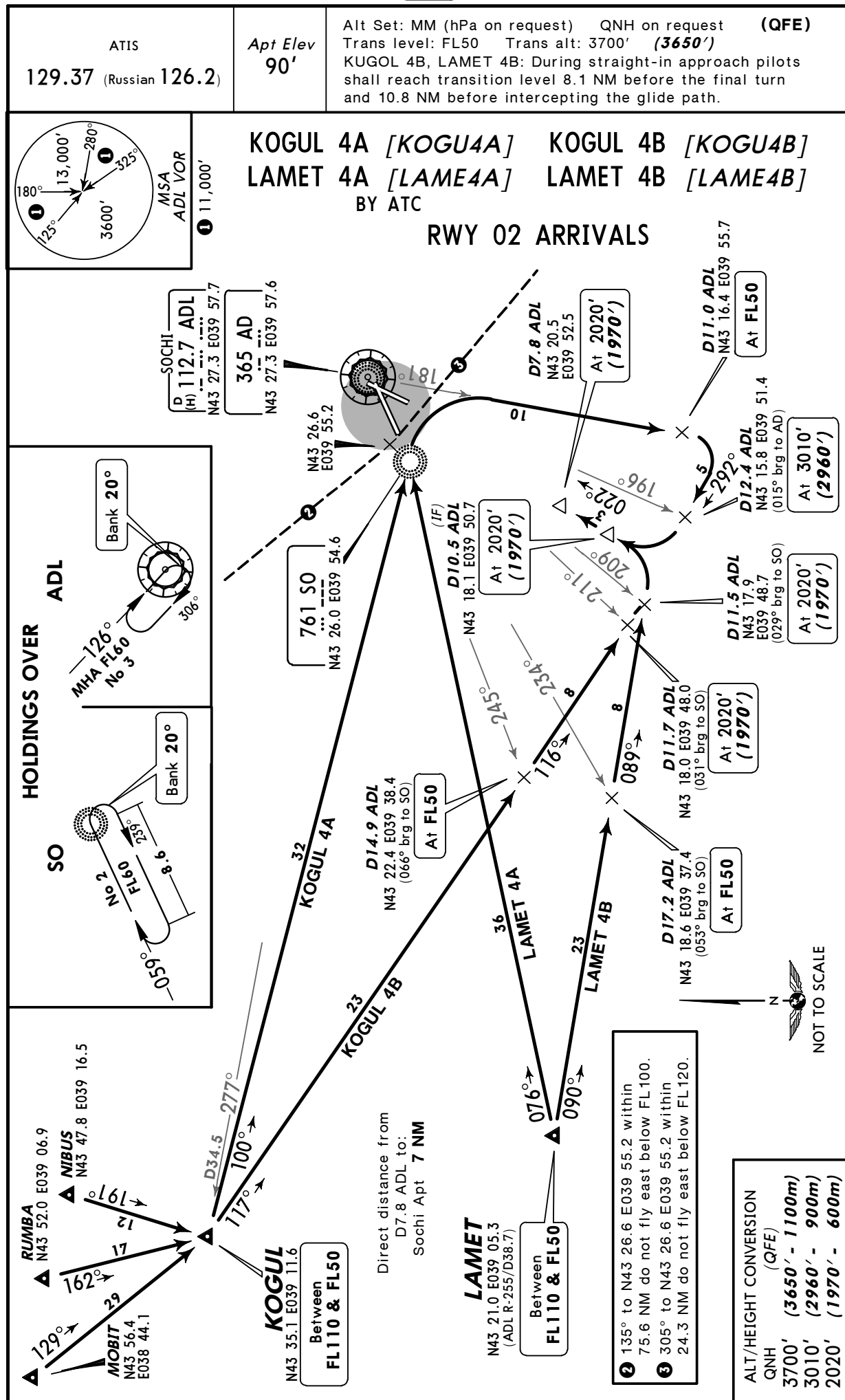
7 DEC 12

10-2G

Eff 13 Dec

SOCHI, RUSSIA

STAR



URSS / AER
SOCHI

7 DEC 12

10-2H

Eff 13 Dec

SOCHI, RUSSIA

STAR

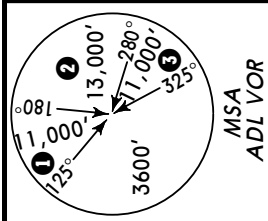
ATIS

129.37 (Russian **126.2**)

Apt Elev
90'

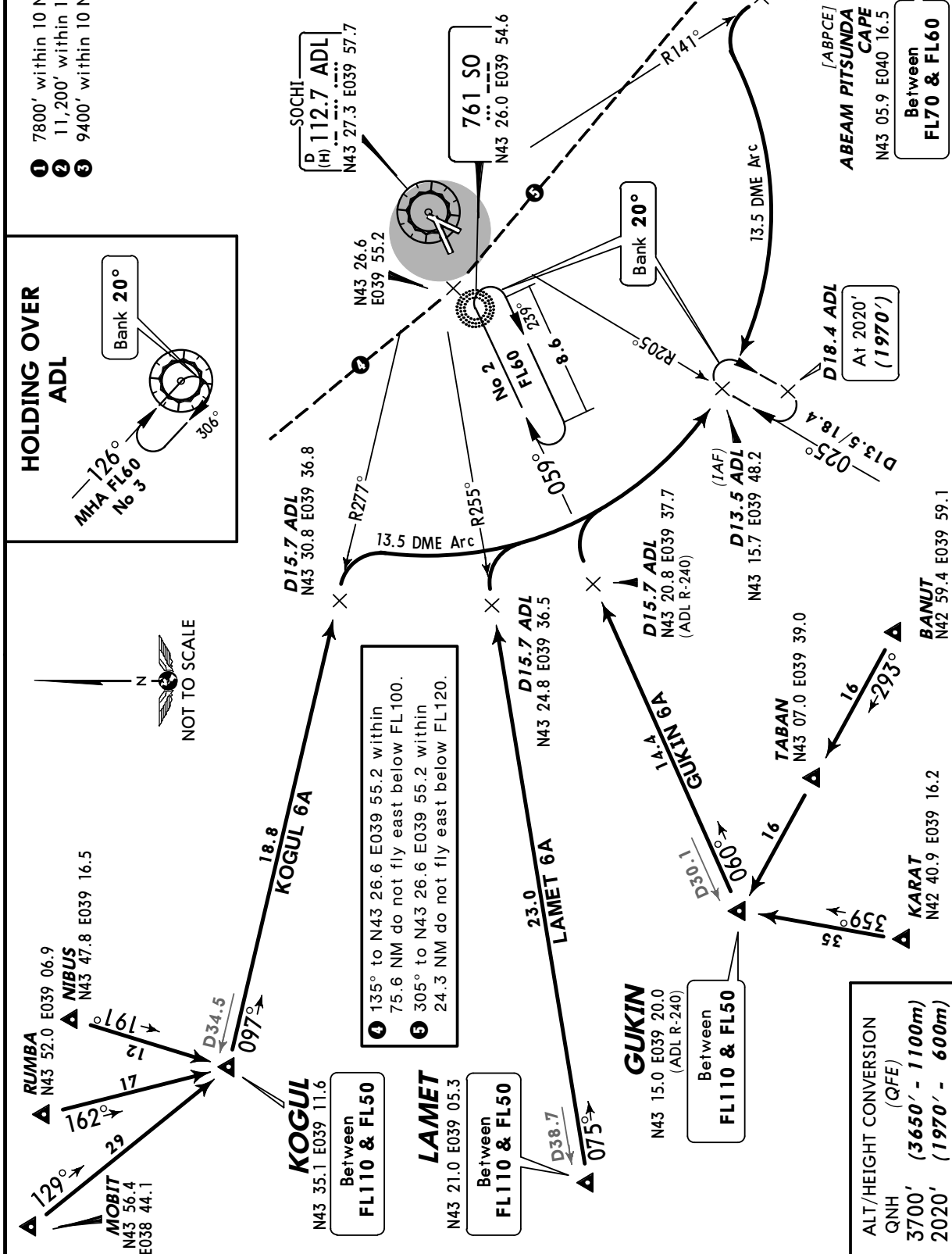
Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3700' **(3650')**

(QFE)



- ➊ 7800' within 10 NM.
- ➋ 11,200' within 15 NM.
- ➌ 9400' within 10 NM.

GUKIN 6A [GUKI6A]
KOGUL 6A [KOGU6A]
LAMET 6A [LAME6A]
TRAPI 6A [TRAP6A]
RWY 02 ARRIVALS
BASED ON ARC VOR



URSS/AER
SOCHI

7 DEC 12

JEPPESEN**Eff 13 Dec**

SOCHI, RUSSIA

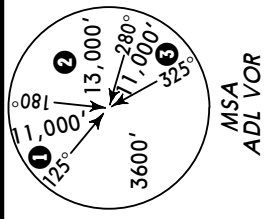
STAR

ATIS

129.37 (Russian **126.2**)

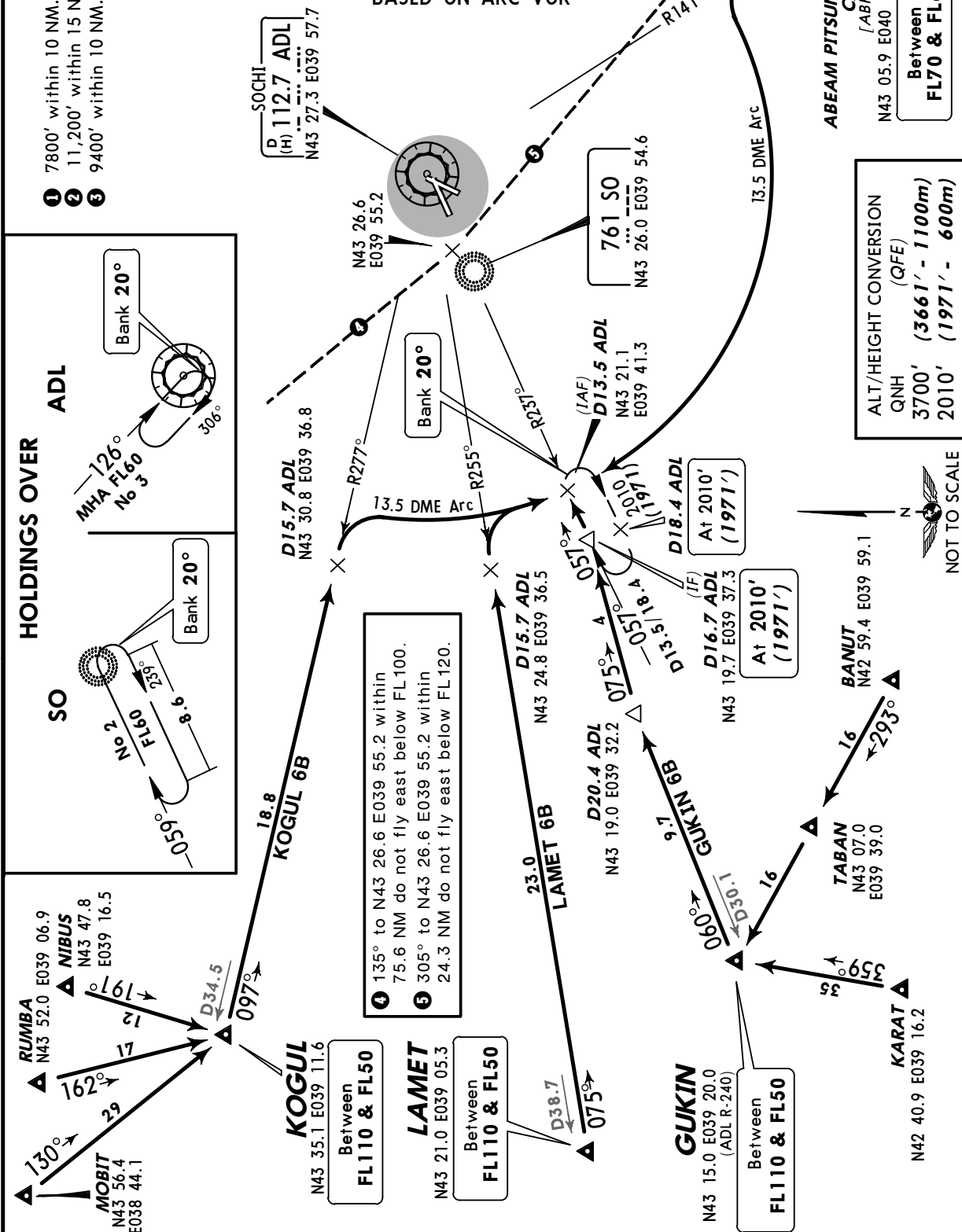
Apt Elev
90'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50 Trans alt: 3700' **(3661')**



- 1 7800' within 10 NM.
- 2 11,200' within 15 NM.
- 3 9400' within 10 NM.

GUKIN 6B [GUKI6B]
KOGUL 6B [KOGU6B]
LAMET 6B [LAME6B]
TRAPI 6B [TRAP6B]
RWY 06 ARRIVALS
BASED ON ARC VOR



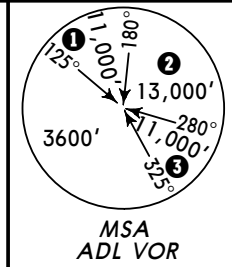
URSS/AER
SOCHI

JEPPESEN
7 DEC 12 **10-2K** Eff 13 Dec

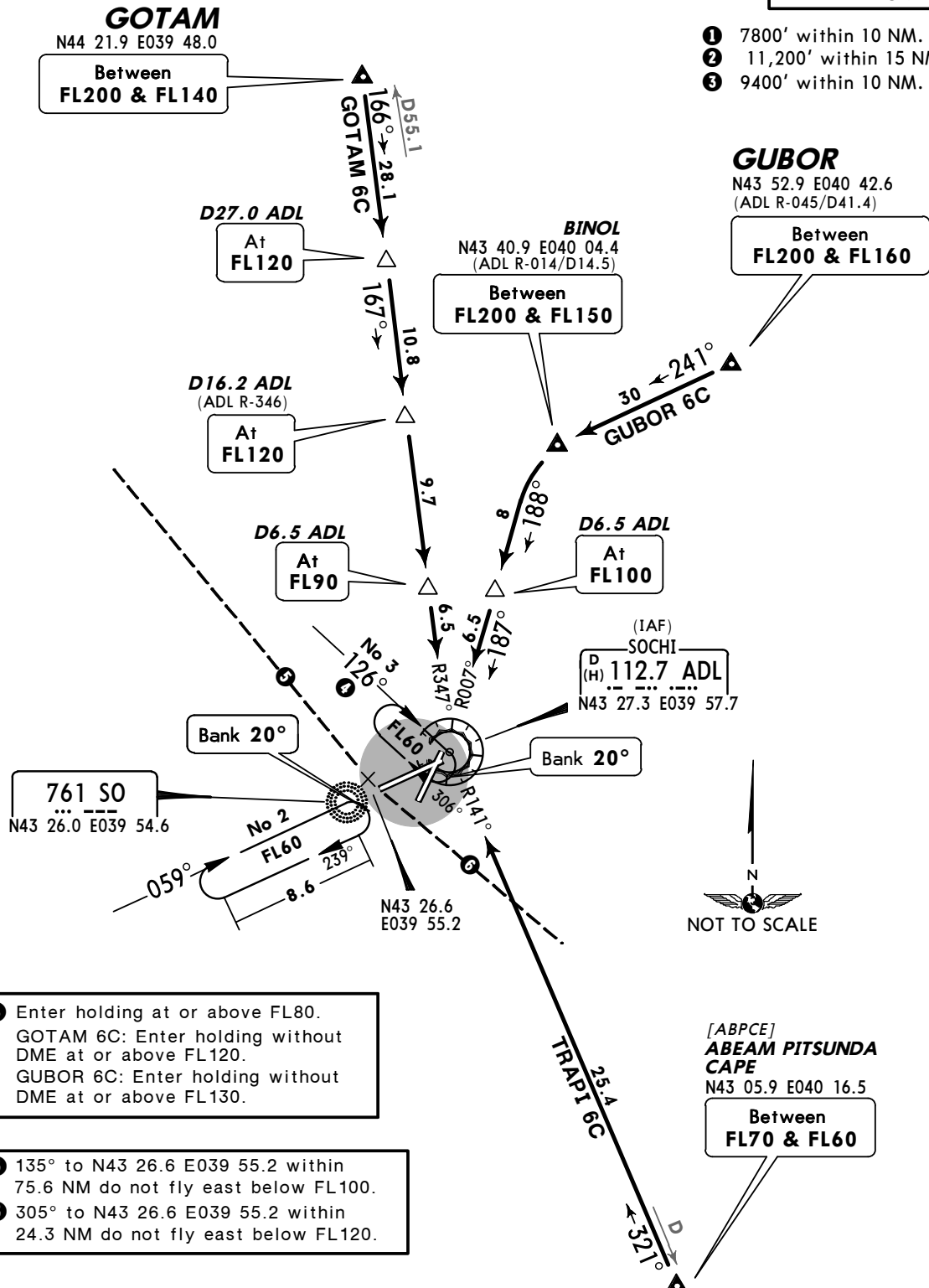
SOCHI, RUSSIA
STAR

ATIS 129.37 (Russian 126.2)	Apt Elev 90'	Alt Set: MM (hPa on request) QNH on request Trans level: FL50 Trans alt: 3700' (3610')	(QFE)
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GOTAM 6C [GOTA6C]
GUBOR 6C [GUBO6C]
TRAPI 6C [TRAP6C]
RWYS 02, 06 ARRIVALS
BASED ON VOR



- ① 7800' within 10 NM.
- ② 11,200' within 15 NM.
- ③ 9400' within 10 NM.



ALT/HEIGHT CONVERSION
QNH (QFE)
3700' (**3610'** - 1100m)

URSS/AER
SOCHI

7 DEC 12

JEPPESEN

10-2L

Eff 13 Dec

SOCHI, RUSSIA

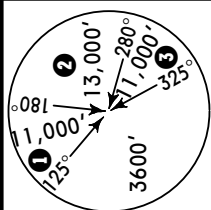
STAR

ATIS

129.37 (Russian 126.2)

Apt Elev
90'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50 Trans alt: 3700' (**3610'**)



GUKIN 6C *[GUKI6C]*

LAMET 6C [LAME6C]

KOGUL 6C [KOGU6C]

TRAPI 6C [TRAP6C]

RWYS 02, 06 ARRIVALS
BASED ON VOR

- ➊ 7800' within 10 NM.
- ➋ 11,200' within 15 NM.
- ➌ 9400' within 10 NM.

- 135° to N43 26.6 E039 55.2 within
75.6 NM do not fly east below FL100.
305° to N43 26.6 E039 55.2 within
24.3 NM do not fly east below FL120.

(IAF)
SOCHI
D 112.7 ADL
(H)
N43 27.3 E039 57.7

ABEAM PITSUNDA
[ABPCE]

CAPE
N43 05.9 E040 16.5

Between

FL70 & FL60

ALT/HEIGHT CONVERSION
QNH (QFE)
33700' (3610' - 1100mm)

BANUT
N42 59.4 E039 59.1

KARAT
142 40.9 E039 16.2

1

4 Enter holding at or above FL80.

**HOLDING OVER
ADL**

Bank 20

No 3
FL

60

506°

URSS/AER
SOCHI

7 DEC 12

JEPPESEN

Eff 13 Dec

SOCHI, RUSSIA

SID

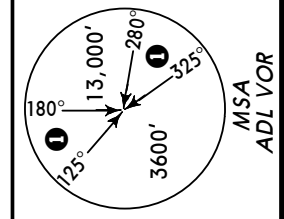
Apt Elev
90'

QNH on request **(QFE)**

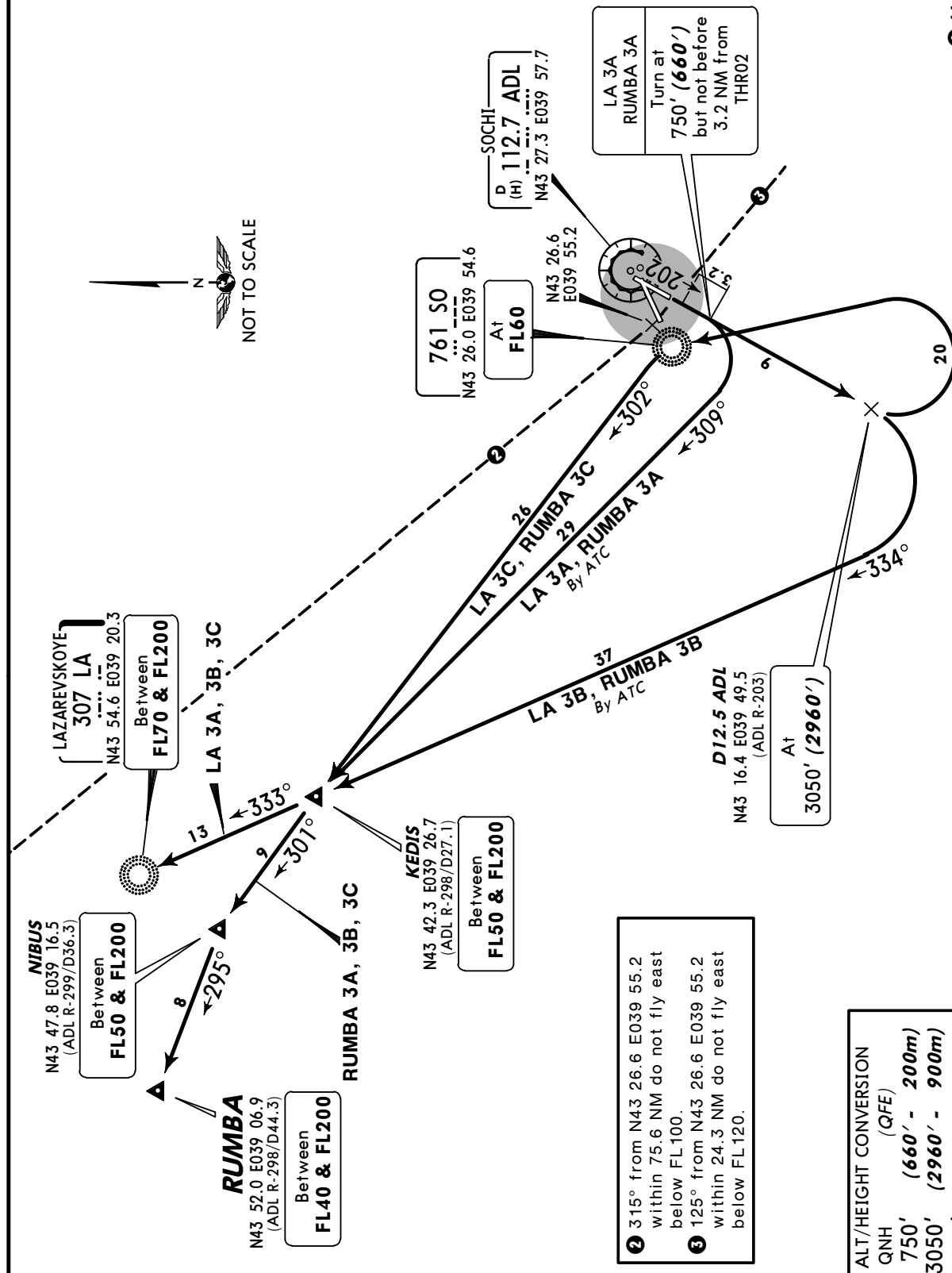
Trans level: FL50 Trans alt: 3700' **(3610')**

Noise abatement procedure should be applied according to Flight Operation Manual.

LA 3A, LA 3B, LA 3C
RUMBA 3A [RUMB3A], RUMBA 3B [RUMB3B]
RUMBA 3C[RUMB3C]
RWY 20 DEPARTURES



1 11,000'



URSS/AER
SOCHI

JEPPESSEN
7 DEC 12 10-3A Eff 13 Dec

SOCHI, RUSSIA

SID

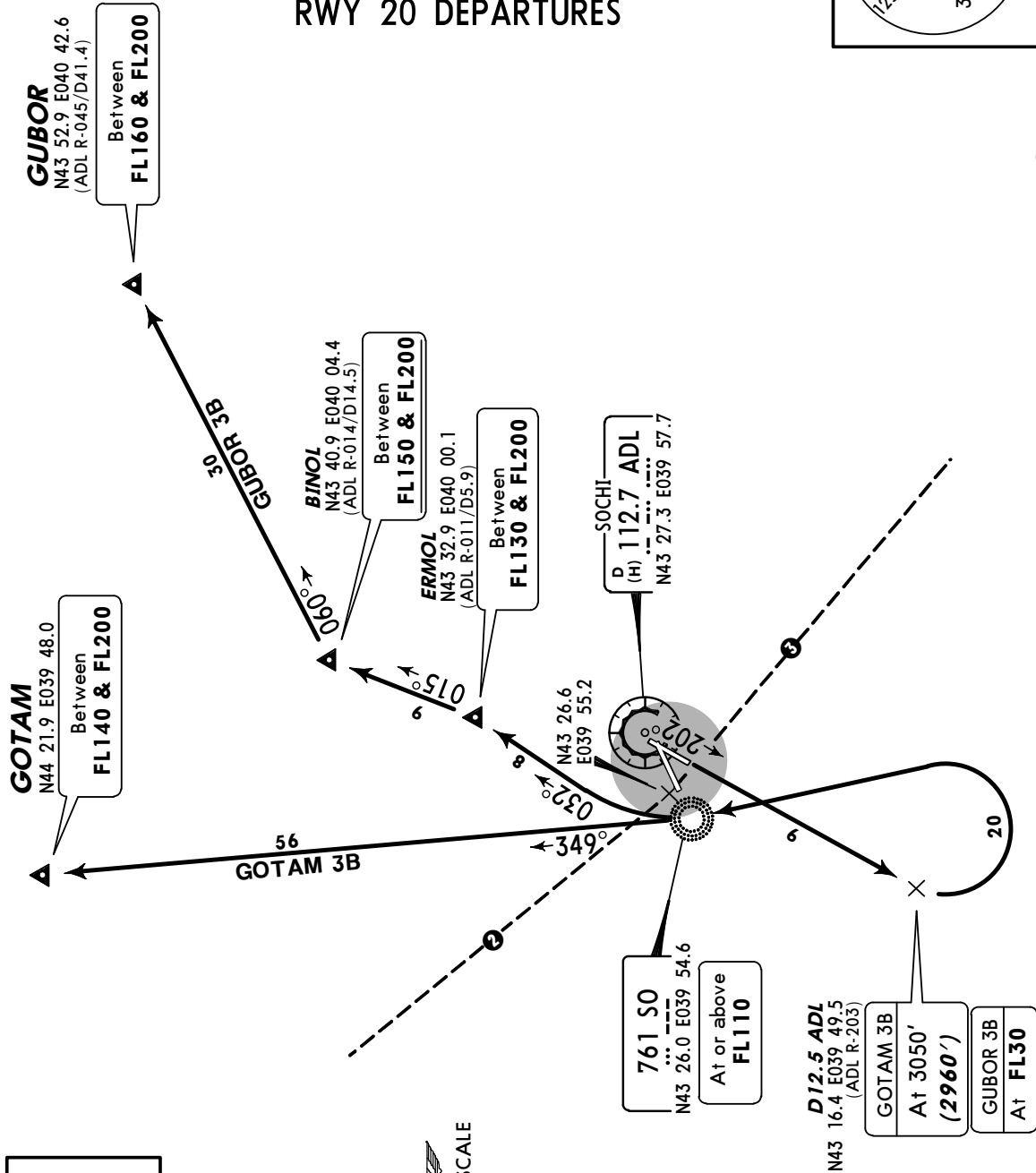
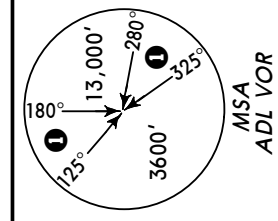
Apt Elev
90'

QNH on request (QFE)

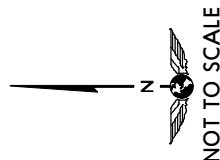
Trans level: FL50 Trans alt: 3700' (3610')

Noise abatement procedure should be applied according to Flight Operation Manual.

GOTAM 3B [GOTA3B]
GUBOR 3B [GUBO3B]
RWY 20 DEPARTURES



- ② 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- ③ 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.



D12.5 ADL	GOTAM 3B	GUBOR 3B
N43 16.4 E039 49.5 (ADL R-203)	At 3050' (2960')	At FL30

ALT/HEIGHT CONVERSION
QNH (QFE)
3050' (2960' - 900m)
3700' (3610' - 1100m)

URSS/AER
SOCHI

JEPPESEN
7 DEC 12 (10-3B) Eff 13 Dec

SOCHI, RUSSIA

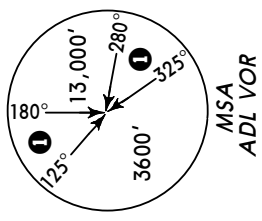
SID

Apt Elev
90'

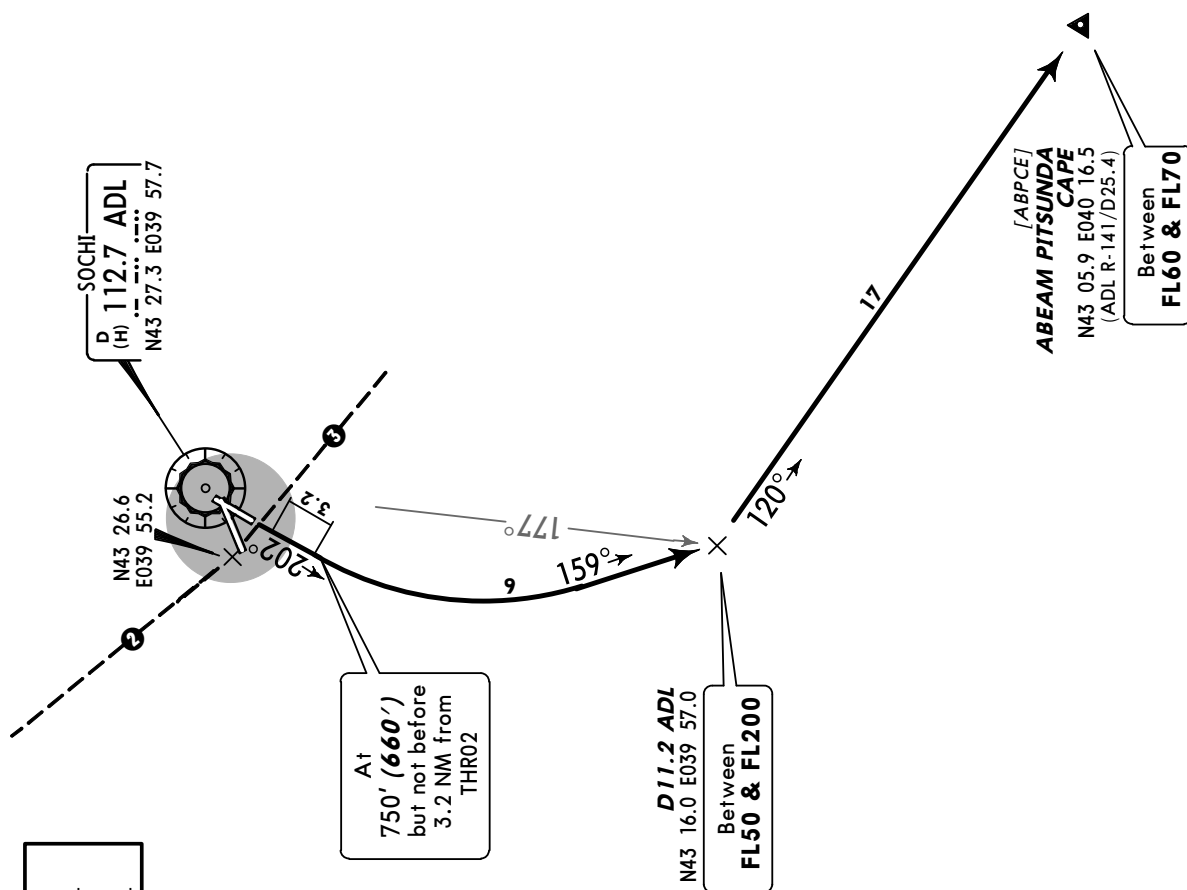
QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' (3610')

Noise abatement procedure should be applied according to Flight Operation Manual.



TRAPI 3A [TRAP3A] RWY 20 DEPARTURE



- ② 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- ③ 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.

ALT/HEIGHT CONVERSION
QNH (QFE)
750' (660' - 200m)
3700' (3610' - 1100m)

URSS/AER
SOCHI

JEPPESEN
7 DEC 12 10-3C Eff 13 Dec

SOCHI, RUSSIA

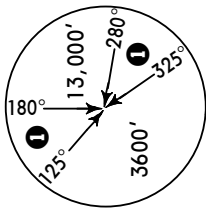
SID

Apt Elev
90'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' (3610')

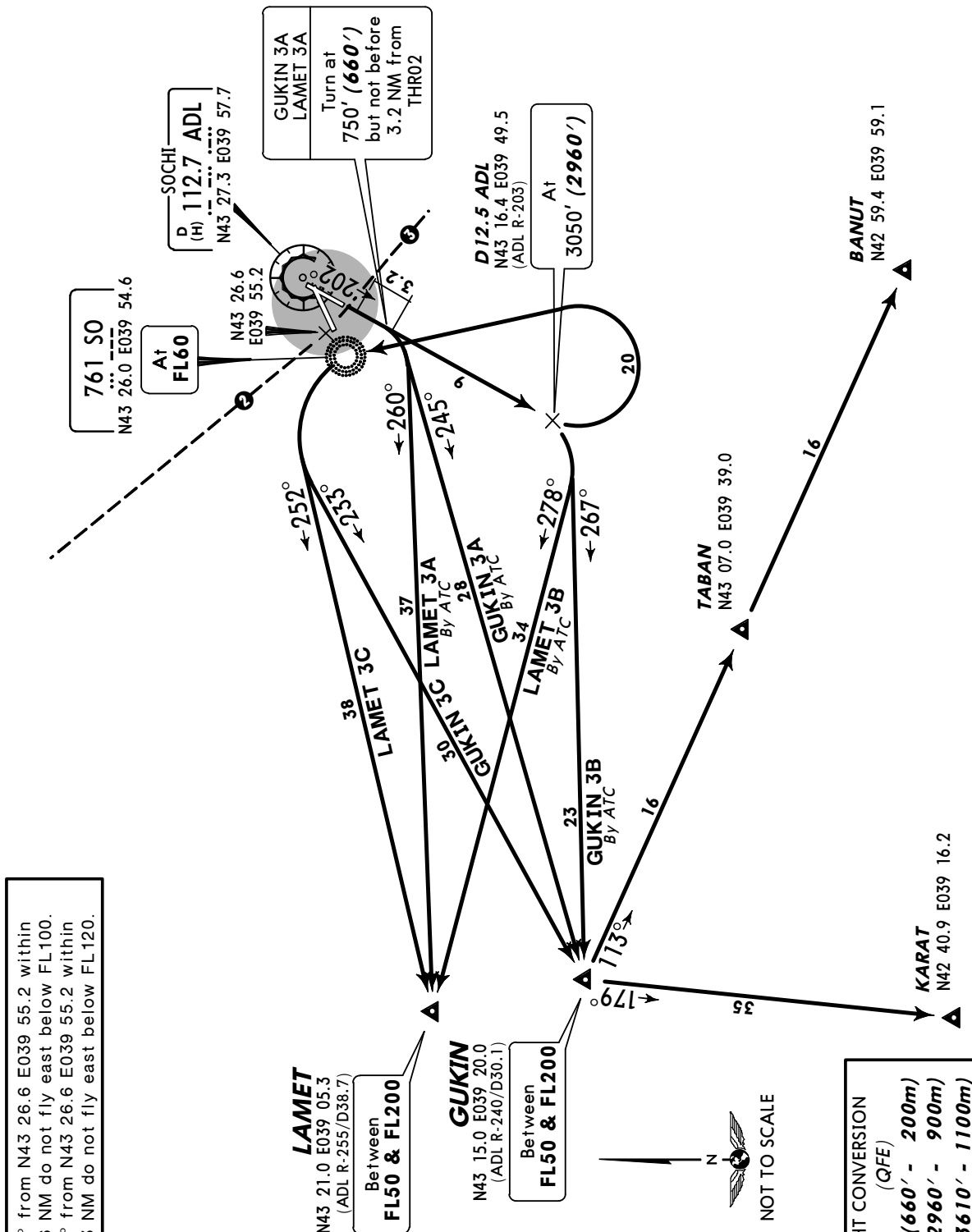
Noise abatement procedure should be applied according to Flight Operation Manual.



MSA
ADL VOR

1 11,000'

GUKIN 3A [GUKI3A], GUKIN 3B [GUKI3B]
GUKIN 3C [GUKI3C], LAMET 3A [LAME3A]
LAMET 3B [LAME3B], LAMET 3C [LAME3C]
RWY 20 DEPARTURES



- 2 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- 3 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.

URSS / AER
SOCHI

JEPPESSEN
7 DEC 12 (10-3D) Eff 13 Dec

SOCHI, RUSSIA

SID

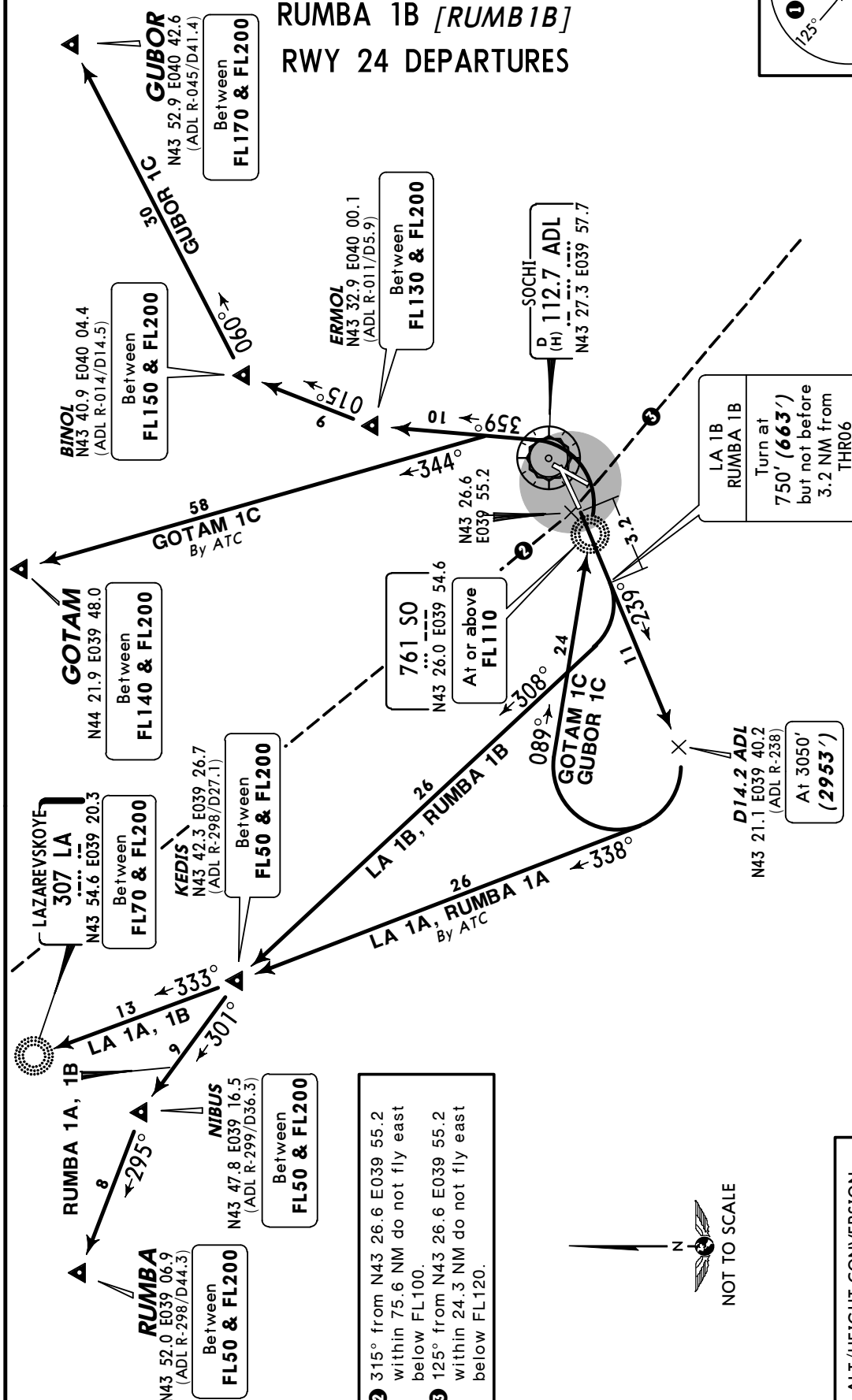
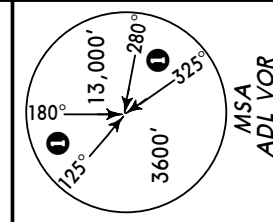
Apt Elev
90'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' **(3613')**

Noise abatement procedure should be applied according to Flight Operation Manual.

GOTAM 1C [GOTA1C], GUBOR 1C [GUBO1C]
LA 1A, LA 1B, RUMBA 1A [RUMB1A]
RUMBA 1B [RUMB1B]
RWY 24 DEPARTURES



1 11,000'

- 2 315° from N43 26.6 E039 55.2
within 75.6 NM do not fly east
below FL100.
- 3 125° from N43 26.6 E039 55.2
within 24.3 NM do not fly east
below FL120.

ALT/HEIGHT CONVERSION
(QFE)

QNH	
750'	(663' - 200mm)
3050'	(2953' - 900mm)
3370'	(3613' - 1100mm)

URSS/AER
SOCHI

JEPPESEN
7 DEC 12 10-3E Eff 13 Dec

SOCHI, RUSSIA

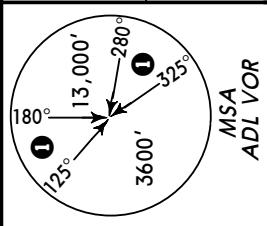
SID

Apt Elev
90'

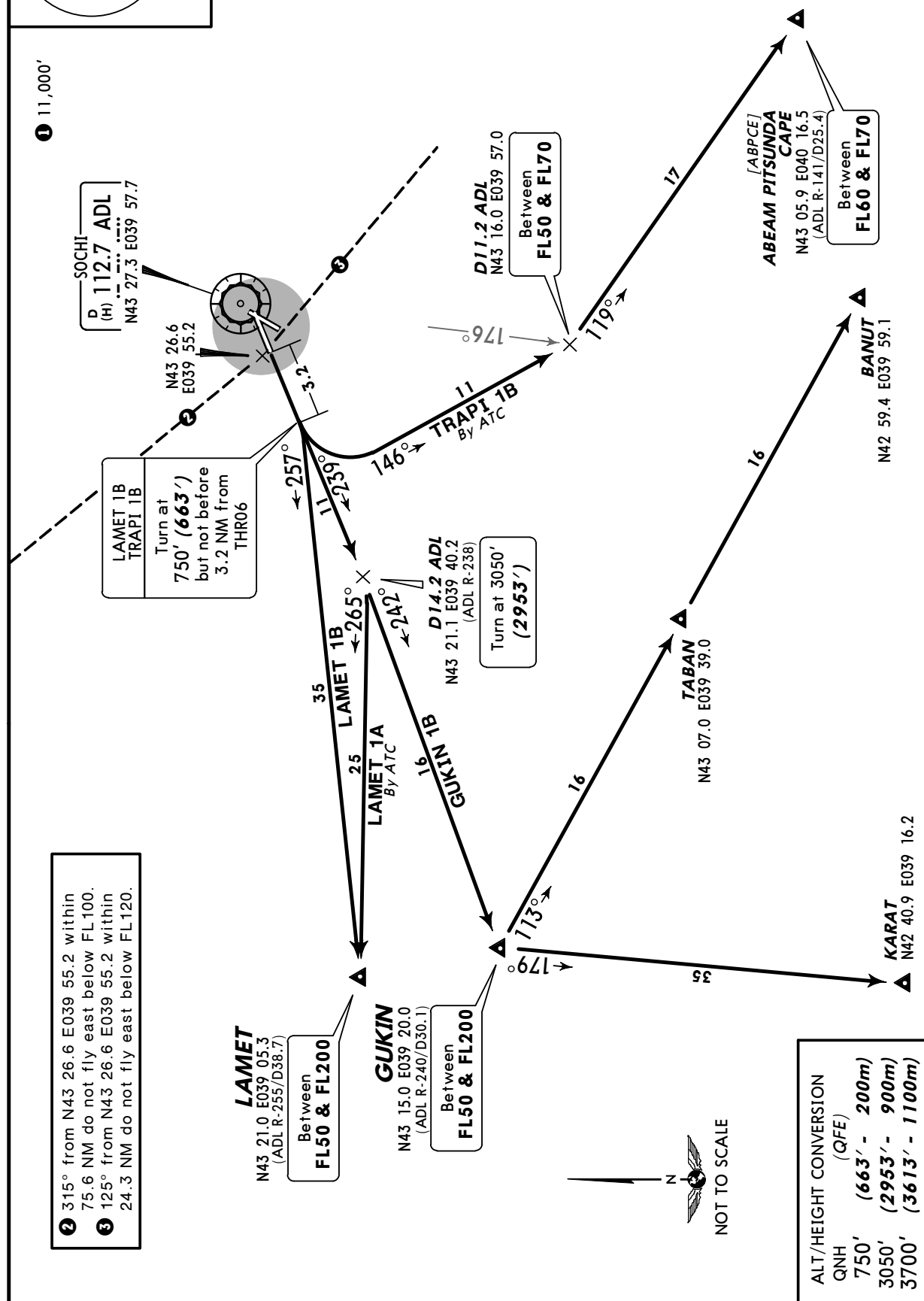
QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' (3613')

Noise abatement procedure should be applied according to Flight Operation Manual.



GUKIN 1B [GUK11B], LAMET 1A [LAME1A]
LAMET 1B [LAME1B], TRAPI 1B [TRAP1B]
RWY 24 DEPARTURES



URSS/AER
SOCHI

JEPPESSEN
7 DEC 12 (10-3F) Eff 13 Dec

SOCHI, RUSSIA

SID

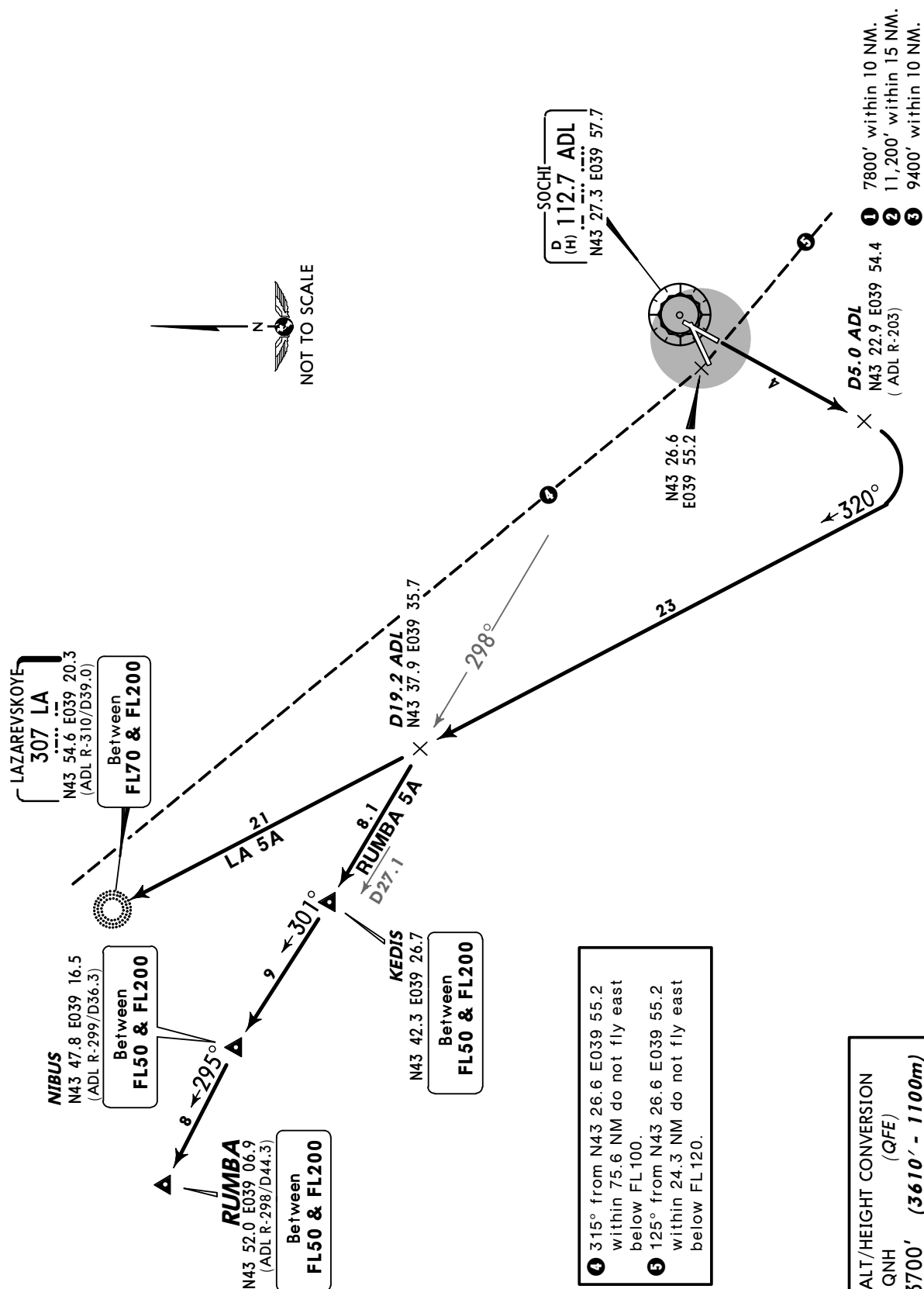
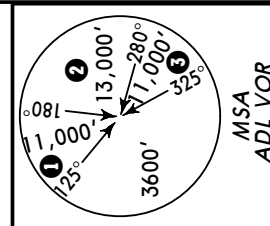
Apt Elev
90'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' (3610')

Noise abatement procedure should be applied according to Flight Operation Manual.

LA 5A
RUMBA 5A [RUMB5A]
RWY 20 DEPARTURES
BASED ON VORDME



URSS/AER
SOCHI

JEPPESEN
7 DEC 12 **10-3G** Eff 13 Dec

SOCHI, RUSSIA

SID

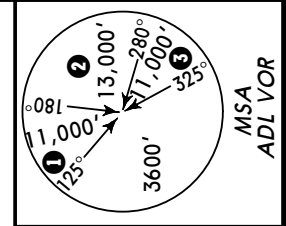
Apt Elev
90'

QNH on request **(QFE)**

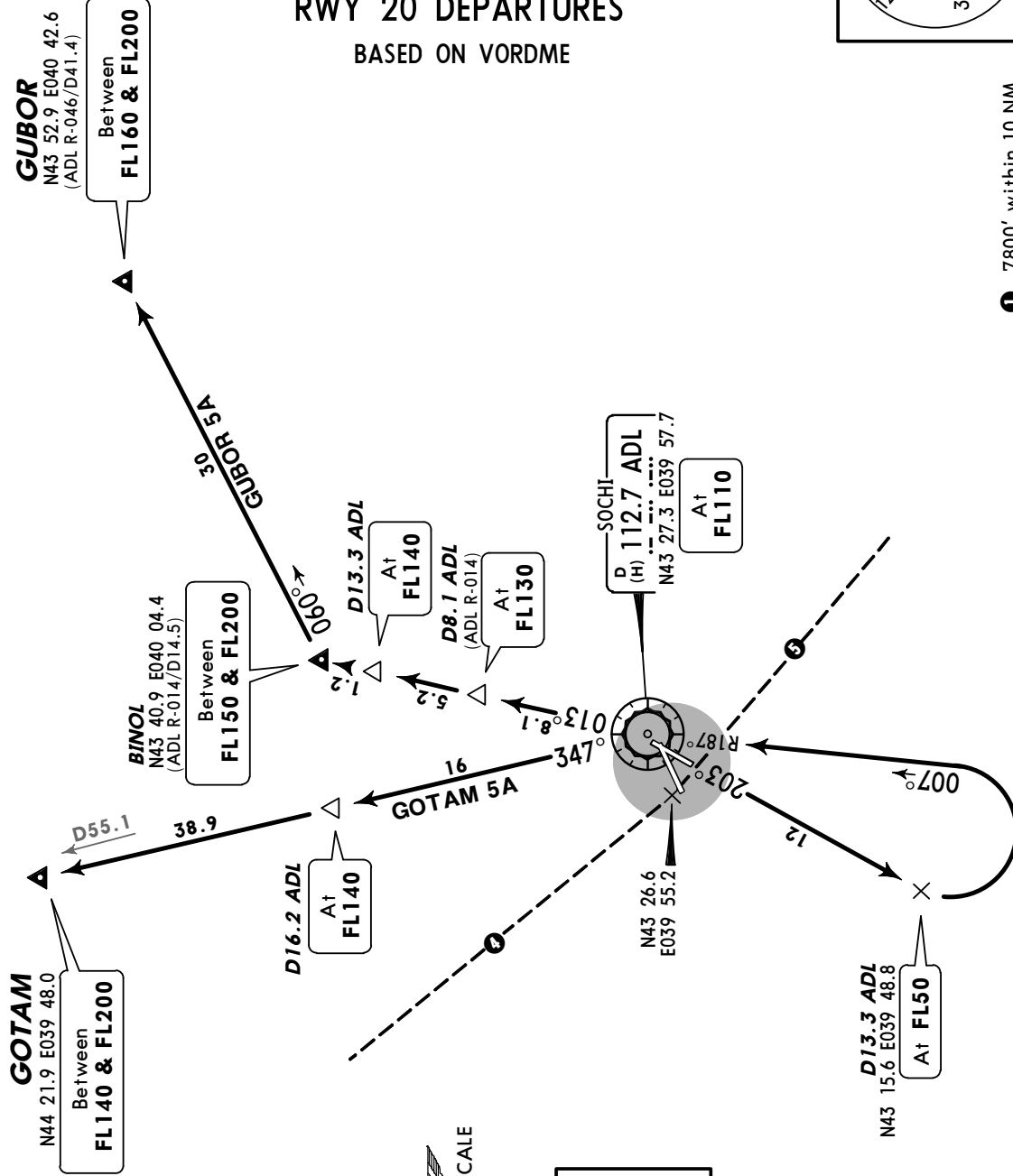
Trans level: FL50 Trans alt: 3700' **(3610')**

Noise abatement procedure should be applied according to Flight Operation Manual.

**GOTAM 5A[GOTA5A]
GUBOR 5A[GUBO5A]
RWY 20 DEPARTURES
BASED ON VORDME**



- 1 7800' within 10 NM.
- 2 11,200' within 15 NM.
- 3 9400' within 10 NM.



- 4 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- 5 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.

ALT/HEIGHT CONVERSION
QNH (QFE)
3700' (3610' - 1100m)

URSS/AER
 SOCHI

JEPPESEN
 7 DEC 12 **10-3H** Eff 13 Dec

SOCHI, RUSSIA

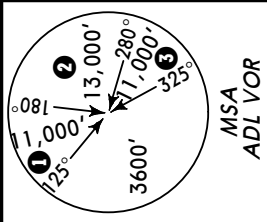
SID

Apt Elev
 90'

QNH on request (QFE)

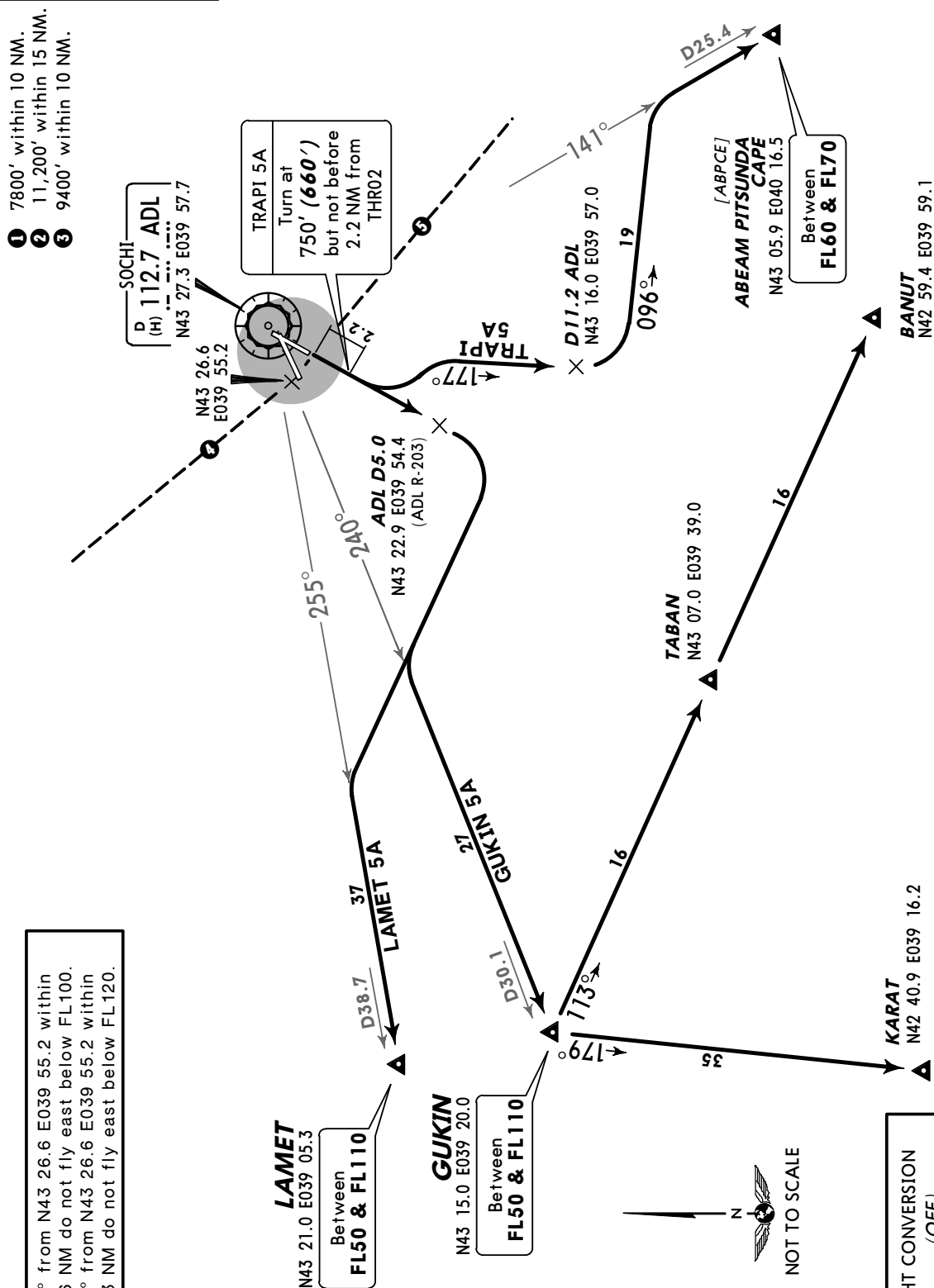
Trans level: FL50 Trans alt: 3700' (3610')

Noise abatement procedure should be applied according to Flight Operation Manual.



GUKIN 5A [GUK15A], LAMET 5A [LAME5A]
 TRAPI 5A [TRAP5A]
 RWY 20 DEPARTURES
 BASED ON VORDME

- 1 7800' within 10 NM.
- 2 11,200' within 15 NM.
- 3 9400' within 10 NM.



- 4 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- 5 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.

ALT/HEIGHT CONVERSION
 (QFE)
 QNH
 750' (660' - 200m)
 3700' (3610' - 1100m)

URSS/AER
 SOCHI

JEPPESEN
 7 DEC 12 10-3J Eff 13 Dec

SOCHI, RUSSIA

SID

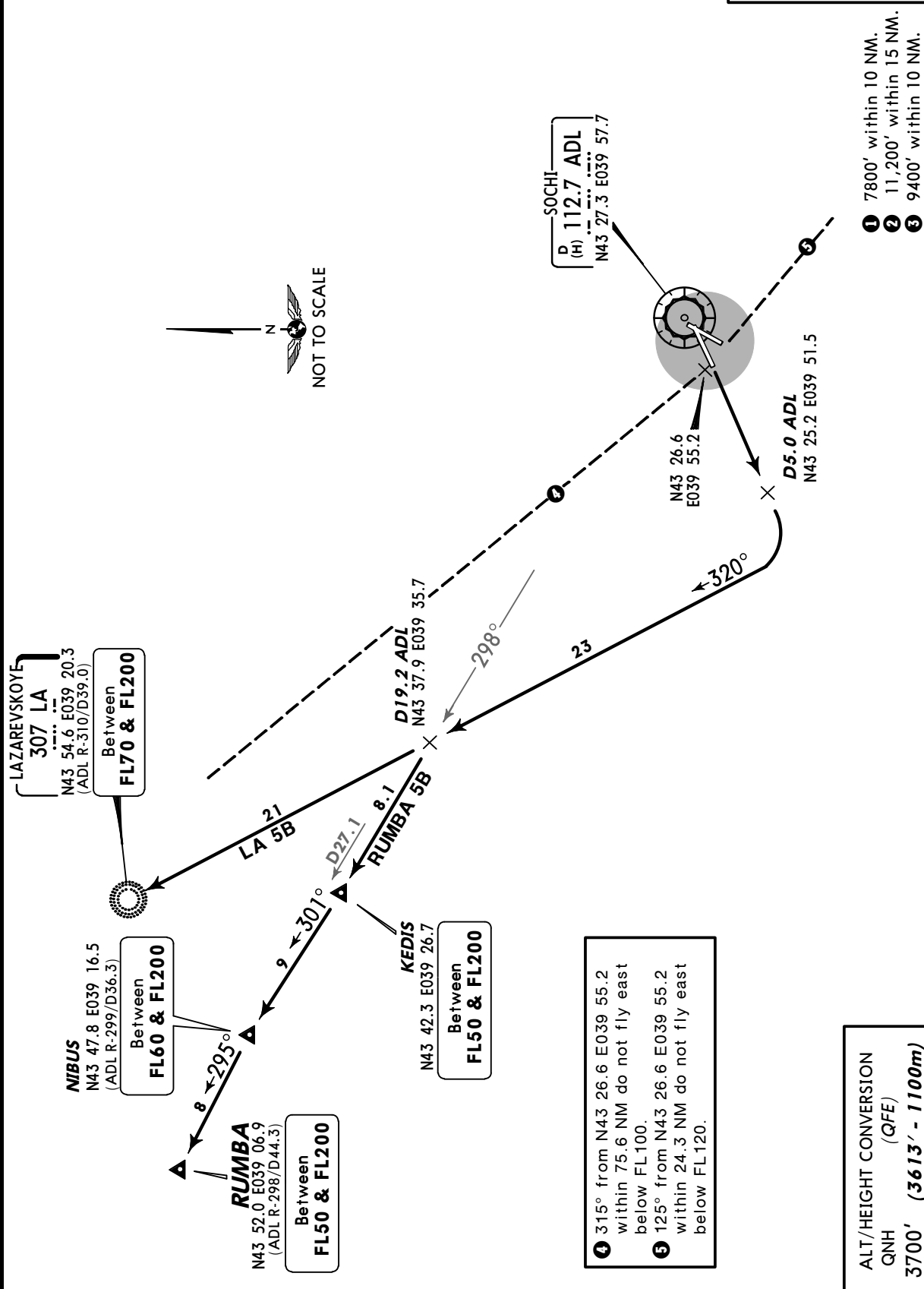
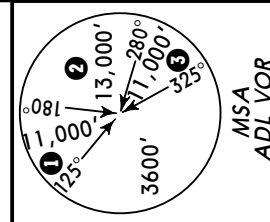
Apt Elev
 90'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' (3613')

Noise abatement procedure should be applied according to Flight Operation Manual.

LA 5B
 RUMBA 5B [RUMB5B]
 RWY 24 DEPARTURES
 BASED ON VORDME



URSS/AER
SOCHI

JEPPESEN
7 DEC 12 (10-3K) Eff 13 Dec

SOCHI, RUSSIA

SID

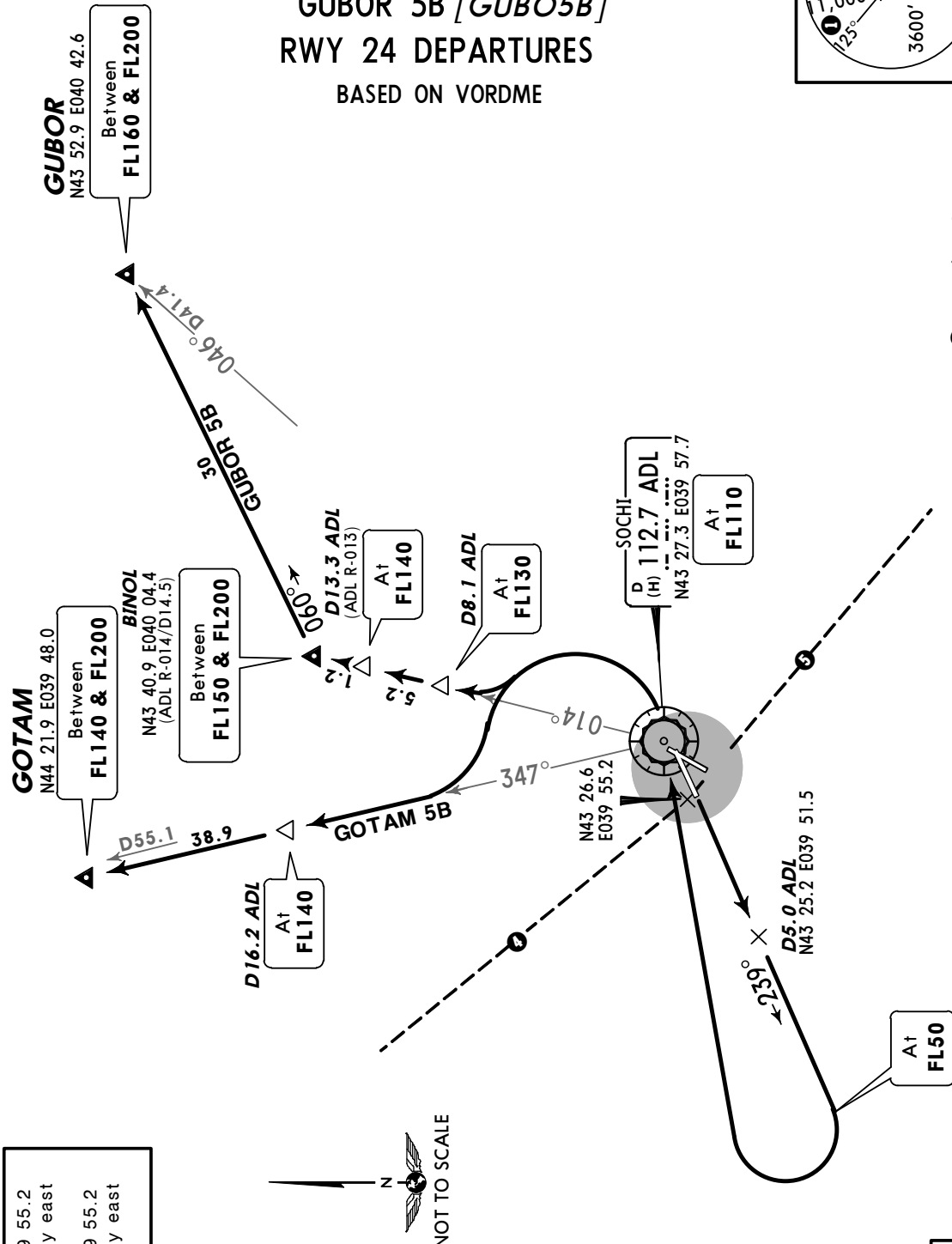
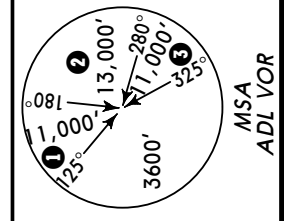
Apt Elev
90'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3700' (3613')

Noise abatement procedure should be applied according to Flight Operation Manual.

GOTAM 5B [GOTA5B]
GUBOR 5B [GUBO5B]
RWY 24 DEPARTURES
BASED ON VORDME



- ④ 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- ⑤ 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.

- ① 7800' within 10 NM.
- ② 11,200' within 15 NM.
- ③ 9400' within 10 NM.

ALT/HEIGHT CONVERSION
(QFE)
QNH 3700' (3613' - 1100m)

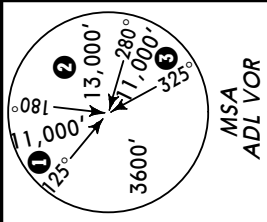
URSS/AER
 SOCHI

JEPPESEN
 7 DEC 12 10-3L Eff 13 Dec

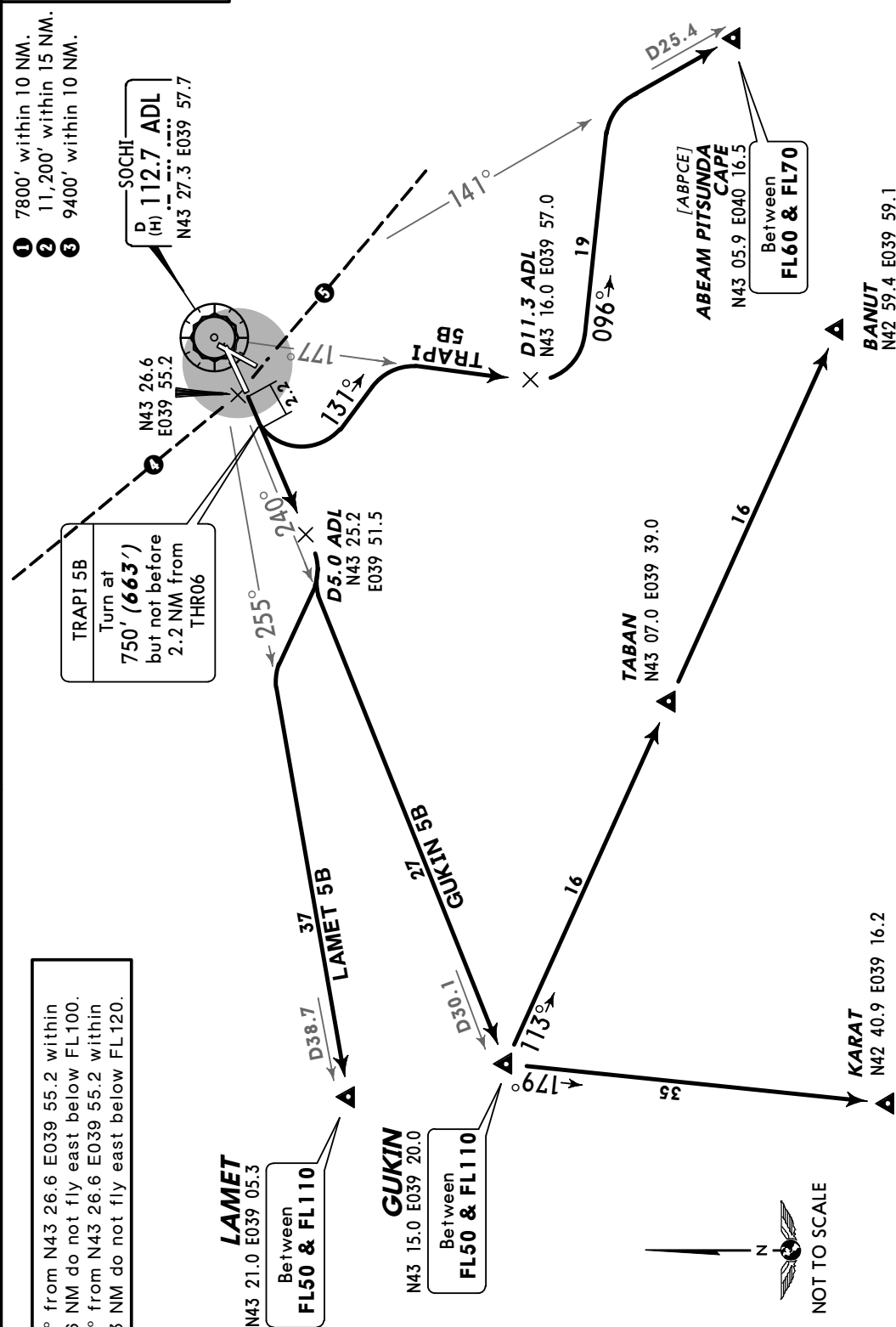
SOCHI, RUSSIA
 SID

Apt Elev
 90'

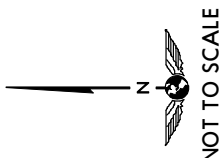
QNH on request (QFE)
 Trans level: FL50 Trans alt: 3700' (3613')
 Noise abatement procedure should be applied according to Flight Operation Manual.



GUKIN 5B [GUK15B], LAMET 5B [LAME5B]
 TRAPI 5B [TRAP5B]
 RWY 24 DEPARTURES
 BASED ON VORDME



- ④ 315° from N43 26.6 E039 55.2 within 75.6 NM do not fly east below FL100.
- ⑤ 125° from N43 26.6 E039 55.2 within 24.3 NM do not fly east below FL120.



ALT/HEIGHT CONVERSION
 QNH (QFE)
 750' (663' - 200m)
 3700' (3613' - 1100m)

URSS/AER

Apt Elev 90'

N43 26.7 E039 56.8

JEPPESEN

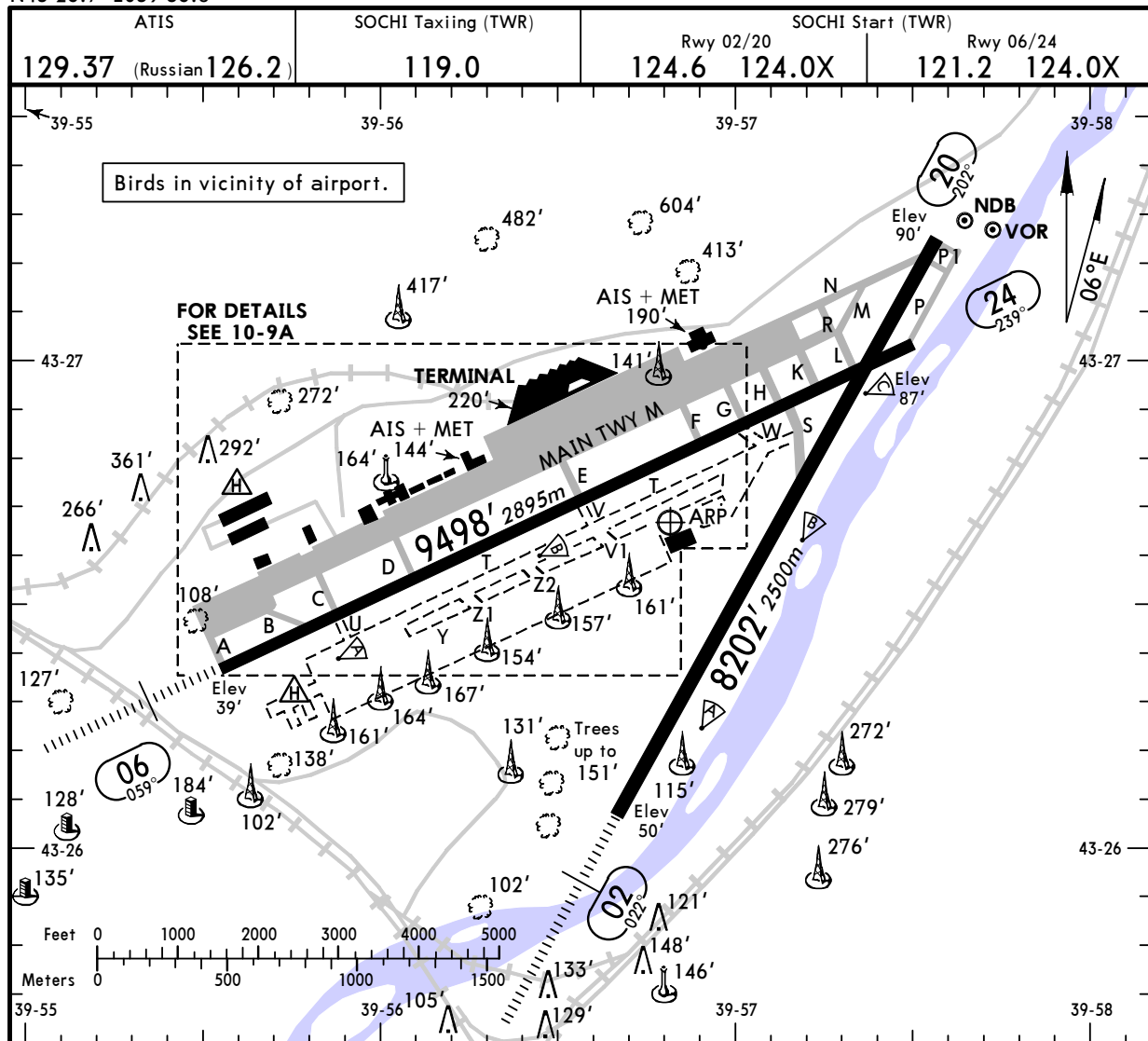
7 DEC 12

(10-9)

Eff 13 Dec

SOCHI, RUSSIA

SOCHI



ADDITIONAL RUNWAY INFORMATION

					USABLE LENGTHS		WIDTH	
					LANDING BEYOND			TAKE-OFF
RWY					Threshold	Glide Slope		
02	RL (58m)	HIALS	PAPI-L(angle 2.83°)	RVR	7874' 2400m	6963' 2122m	NA	161'
20	RL (58m)			RVR	NA		①	49m
06	RL (58m)	HIALS	PAPI-L(angle 2.83°)	RVR	9219' 2810m	8247' 2514m	NA	148'
24	RL (58m)			RVR	NA		②	45m

TAKE-OFF RUN AVAILABLE

① RWY 20:

From rwy head 8202' (2500m)
twy N int 7808' (2380m)

② RWY 24:

From rwy head 9498' (2895m)
twy K int 8202' (2500m)
twy G int 7218' (2200m)

TAKE-OFF

AIR CARRIER (JAA)

Rwys 20, 24

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A

B

C

D

250m

300m

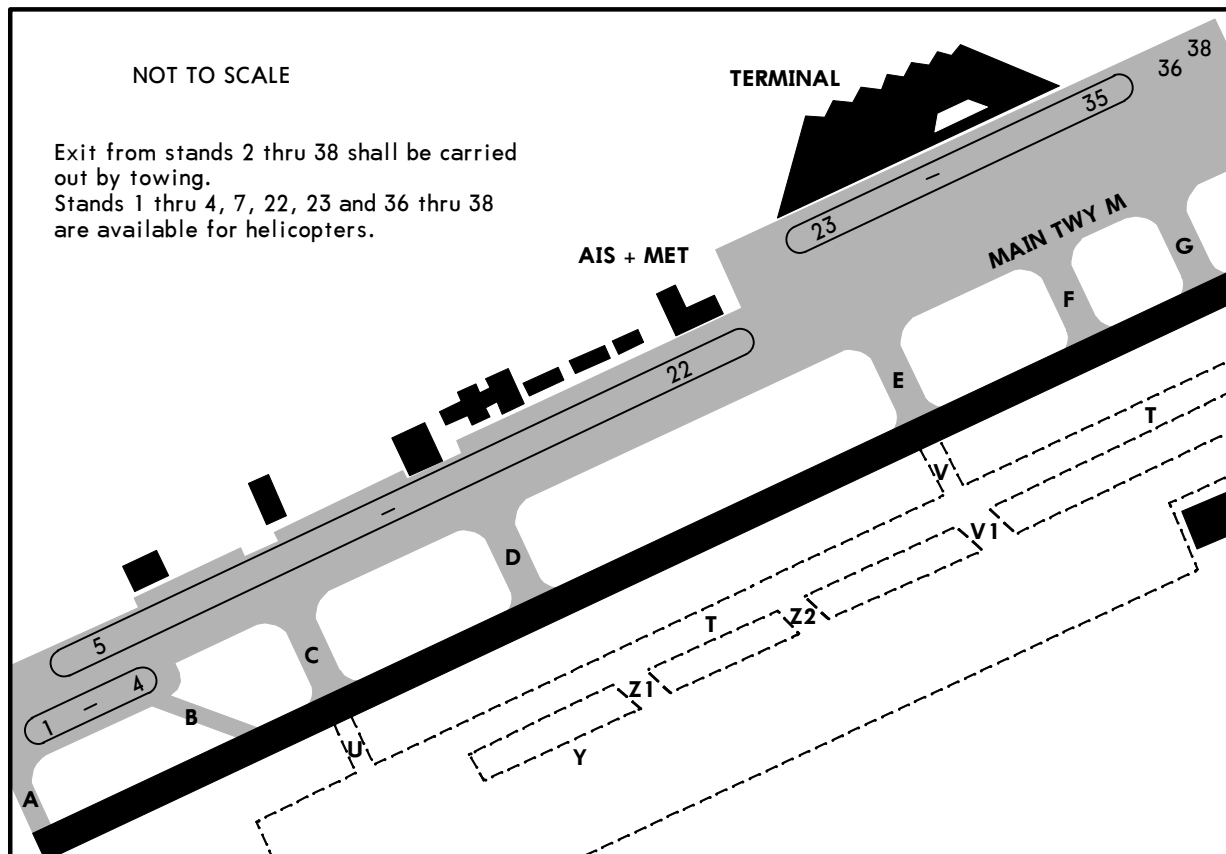
400m

URSS/AER

7 DEC 12 **10-9A** **Eff 13 Dec**

SOCHI, RUSSIA

SOCHI



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1 thru 4	N43 26.5 E039 55.6	24 thru 26	N43 26.9 E039 56.5
5, 6	N43 26.5 E039 55.7	27 thru 29	N43 26.9 E039 56.6
7	N43 26.5 E039 55.8	30 thru 32	N43 26.9 E039 56.7
8	N43 26.6 E039 55.8	33	N43 26.9 E039 56.8
9 thru 11	N43 26.6 E039 55.9	34, 35	N43 27.0 E039 56.8
12 thru 14	N43 26.6 E039 56.0	36	N43 26.9 E039 56.9
15 thru 17	N43 26.7 E039 56.1	37	N43 27.0 E039 56.9
18, 19	N43 26.7 E039 56.2	38	N43 27.0 E039 57.0
20, 21	N43 26.7 E039 56.3		
22, 23	N43 26.8 E039 56.4		

URSS/AER


JEPPESEN
 7 DEC 12 **10-9S** **Eff 13 Dec**
Standard
SOCHI, RUSSIA
 SOCHI

STRAIGHT-IN RWY		A	B	C	D
02	ILS ❶	559' (509') R1500m	559' (509') R1500m	575' (525') R1700m	575' (525') R1700m
	ALS out	R1500m	R1500m	C2400m	C2400m
	ILS ❷	592' (542') R1500m	592' (542') R1500m	608' (558') R1800m	608' (558') R1800m
	ALS out	R1500m	R1500m	C2400m	C2400m
	ILS ❸	674' (624') R1500m	674' (624') R1500m	690' (640') C2200m	690' (640') C2200m
	ALS out	R1500m	R1500m	C2400m	C2400m
	ILS ❹	805' (755') R1500m	805' (755') R1500m	805' (755') C2400m	821' (771') C2400m
	ALS out	R1500m	R1500m	C2400m	C2400m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❺❻	660' (610') R1500m	660' (610') R1500m	700' (650') C2300m	700' (650') C2300m
	ALS out	R1500m	R1500m	C2400m	C2400m
	VOR ❹❻	810' (760') R1500m	810' (760') R1500m	830' (780') C2400m	830' (780') C2400m
	NDB ❻	1470' (1420') R1500m	1470' (1420') R1500m	1660' (1610') C2400m	1660' (1610') C2400m

- ❶ Missed apch climb gradient mim 5.0%
 ❷ Missed apch climb gradient mim 4.0%
 ❸ Missed apch climb gradient mim 3.0%
 ❹ Missed apch climb gradient mim 2.5%
 ❺ Missed apch climb gradient mim 4.8%
 ❻ Continuous Descent Final Approach.

URSS/AER


JEPPESEN
 7 DEC 12 **(10-9S1)** Eff 13 Dec

Standard
SOCHI, RUSSIA
 SOCHI

STRAIGHT-IN RWY		A	B	C	D
06	ILS ❶	384' (345') R900m	384' (345') R900m	384' (345') R900m	400' (361') R1000m
	ALS out	R1500m	R1500m	R1600m	R1700m
	ILS ❷	466' (427') R1300m	466' (427') R1300m	482' (443') R1400m	499' (460') R1400m
	ALS out	R1500m	R1500m	C2100m	C2100m
	ILS ❸	515' (476') R1500m	515' (476') R1500m	548' (509') R1600m	564' (525') R1700m
	ALS out	R1500m	R1500m	C2400m	C2400m
	ILS ❹	548' (509') R1500m	548' (509') R1500m	564' (525') R1700m	597' (558') R1800m
	ALS out	R1500m	R1500m	C2400m	C2400m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❺❶	NOT APPLICABLE	NOT APPLICABLE	570' (531') R1700m	570' (531') R1700m
	ALS out			C2400m	C2400m
	VOR ❻❶	540' (501') R1500m	540' (501') R1500m	NOT APPLICABLE	NOT APPLICABLE
	VOR ❼❶	600' (561') R1500m	600' (561') R1500m	650' (611') C2100m	650' (611') C2100m
	ALS out	R1500m	R1500m	C2400m	C2400m
	NDB ❼	700' (661') R1500m	700' (661') R1500m	1030' (991') C2400m	1030' (991') C2400m

- ❶ Missed apch climb gradient mim 5.0%
 ❷ Missed apch climb gradient mim 4.0%
 ❸ Missed apch climb gradient mim 3.0%
 ❹ Missed apch climb gradient mim 2.5%
 ❺ Missed apch climb gradient mim 4.3%
 ❻ Missed apch climb gradient mim 3.8%
 ❼ Continuous Descent Final Approach.

TAKE-OFF RWY 20, 24

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

URSS/AER


JEPPESEN
 7 DEC 12 **10-9X** **Eff 13 Dec**
JAA MINIMUMS
SOCHI, RUSSIA
SOCHI

STRAIGHT-IN RWY		A	B	C	D
02	ILS ❶	559' (509')	559' (509')	575' (525')	575' (525')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	ILS ❷	592' (542')	592' (542')	608' (558')	608' (558')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	ILS ❸	674' (624')	674' (624')	690' (640')	690' (640')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	ILS ❹	805' (755')	805' (755')	805' (755')	821' (771')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR ❺	660' (610')	660' (610')	700' (650')	700' (650')
		R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	VOR ❻	810' (760')	810' (760')	830' (780')	830' (780')
		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	NDB	1470' (1420')	1470' (1420')	1660' (1610')	1660' (1610')
		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m

- ❶ Missed apch climb gradient mim 5.0%
- ❷ Missed apch climb gradient mim 4.0%
- ❸ Missed apch climb gradient mim 3.0%
- ❹ Missed apch climb gradient mim 2.5%
- ❺ Missed apch climb gradient mim 4.8%

URSS/AER


JEPPESEN
 7 DEC 12 **(10-9X1)** Eff 13 Dec

JAA MINIMUMS
SOCHI, RUSSIA
 SOCHI

STRAIGHT-IN RWY		A	B	C	D
06	ILS ❶	384' (345')	384' (345')	384' (345')	400' (361')
	ALS out	R800m R1200m	R800m R1200m	R800m R1200m	R800m R1200m
	ILS ❷	466' (427')	466' (427')	482' (443')	499' (460')
	ALS out	R800m R1200m	R800m R1200m	R800m R1200m	R800m R1200m
	ILS ❸	515' (476')	515' (476')	548' (509')	564' (525')
	ALS out	R800m R1200m	R800m R1200m	R800m R1200m	R800m R1200m
	ILS ❹	548' (509')	548' (509')	564' (525')	597' (558')
	ALS out	R800m R1200m	R800m R1200m	R800m R1200m	R800m R1200m
LOC		NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR ❺	NOT APPLICABLE	NOT APPLICABLE	570' (531')	570' (531')
	ALS out			R1200m R2000m	R1600m R2000m
	VOR ❻	540' (501')	540' (501')	NOT APPLICABLE	NOT APPLICABLE
	ALS out	R1000m R1500m	R1200m R1500m		
	VOR ❼	600' (561')	600' (561')	650' (611')	650' (611')
	ALS out	R1000m R1500m	R1200m R1500m	R1200m R2000m	R1600m R2000m
	NDB	700' (661')	700' (661')	1030' (991')	1030' (991')
	ALS out	R1200m R1500m	R1400m R1500m	R1400m R2000m	R1800m R2000m

- ❶ Missed apch climb gradient mim 5.0%
 ❷ Missed apch climb gradient mim 4.0%
 ❸ Missed apch climb gradient mim 3.0%
 ❹ Missed apch climb gradient mim 2.5%
 ❺ Missed apch climb gradient mim 4.3%
 ❻ Missed apch climb gradient mim 3.8%

TAKE-OFF RWY 20, 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		

URSS/AER
SOCHI

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

SOCHI, RUSSIA
ILS DME Rwy 02

BRIEFING STRIP

ATIS 129.37 (126.2) ^(Russian)	SOCHI Approach 118.3 124.0X	SOCHI Krug (TWR) 119.7 124.0X	SOCHI Start (TWR) 124.6 124.0X	SOCHI Taxiing (TWR) 119.0
LOC IAD 110.5	Final Apch Crs 022°	GS D7.8 ADL 2020' (1970')	ILS DA(H) Refer to chart 11-1A	Apt Elev 90' RWY 50'

MISSED APCH: WITH CLIMB GRADIENT MIM 5.0% or 4.0%: Climb STRAIGHT AHEAD to 710' (660'), then turn RIGHT onto 202° climbing to 2020' (1970').

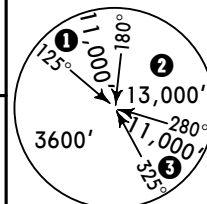
MAX 220 KT.

WITH CLIMB GRADIENT MIM 3.0%: Climb STRAIGHT AHEAD to 710' (660'), then turn RIGHT onto 202° climbing to 2020' (1970').

MAX 190 KT.

WITH CLIMB GRADIENT MIM 2.5%: Turn RIGHT onto 202° as early as possible. Climb to 2020' (1970').

MAX 230 KT.



MSA ADL VOR

- 1 7800' within 10 NM.
- 2 11,200' within 15 NM.
- 3 9400' within 10 NM.

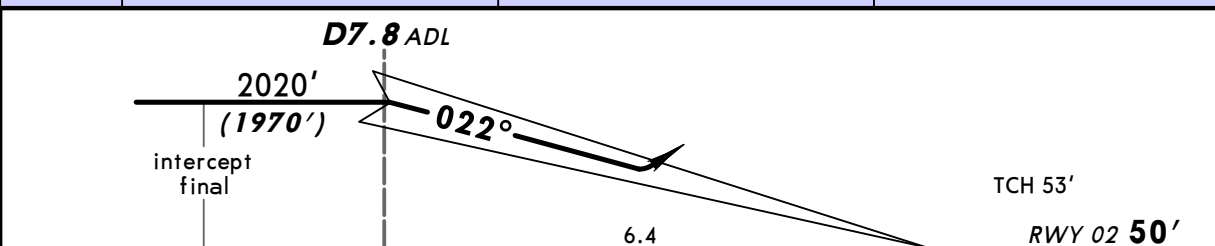
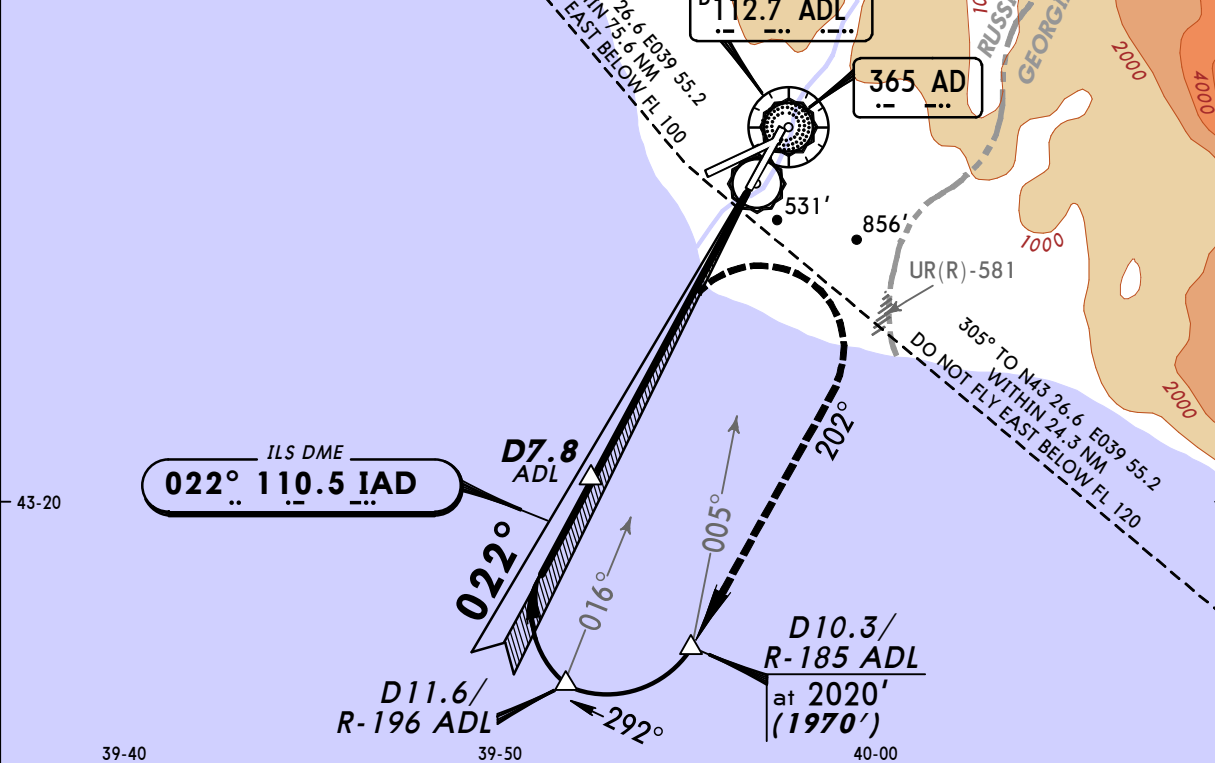
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3700' (3650')

Heavy turbulence with downdrafts to be expected on final.

ALT/HEIGHT CONVERSION

QNH	(QFE)
3700' (3650' - 1100m)	
2020' (1970' - 600m)	
710' (660' - 200m)	

43-30



Gnd speed-Kts	70	90	100	120	140	160	HIALS	Refer to Missed Apch above
GS	2.83°	350	451	501	601	701	801	

FOR LANDING MINIMUMS SEE 11-1A

URSS/AER

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

SOCHI, RUSSIA
SOCHI

LANDING MINIMUMS

STRAIGHT-IN LANDING RWY02

ILS

Missed apch climb grad min 5.0% DA(H)		Missed apch climb grad min 4.0% DA(H)		Missed apch climb grad min 3.0% DA(H)		Missed apch climb grad min 2.5% DA(H)	
AB: 559' (509')		AB: 592' (542')		AB: 674' (624')		ABC: 805' (755')	
CD: 575' (525')		CD: 608' (558')		CD: 690' (640')		D: 821' (771')	
FULL	ALS out	FULL	ALS out	FULL	ALS out	FULL	ALS out
A RVR 1800m	2800m	2200m	3000m	3200m		3200m	
B VIS 2000m							
C 2100m	2900m	2300m	3100m	3200m	3600m	3500m	4300m
D						3600m	4400m

STRAIGHT-IN LANDING RWY 02 LOC (GS out)

A	NOT AUTHORIZED
B	
C	
D	

PANS OPS

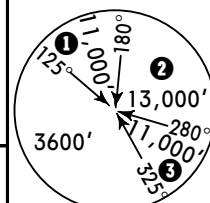
URSS/AER
SOCHI

JEPPESEN
21 DEC 12 (11-2)

SOCHI, RUSSIA
ILS DME or NDB Rwy 06

BRIEFING STRIP

ATIS	SOCHI Approach	SOCHI Krug (TWR)	SOCHI Start (TWR)	SOCHI Taxiing (TWR)
129.37 (Russian) 126.2	118.3 124.0X	119.7 124.0X	121.2 124.0X	119.0
LOC ISO 111.1	Final Apch Crs 059°	GS/ Minimum Alt D8.2 ADL 2010' (1971')	ILS DA(H) Refer to chart 11-2A	Apt Elev 90' RWY 39'
NDB SO 761			NDB MDA(H) Refer to chart 11-2A	



MISSED APCH: ILS WITH CLIMB GRADIENT MIM 5.0%: Climb STRAIGHT AHEAD to 440' (401'), then turn RIGHT onto 239° climbing to 2010' (1971').

ILS WITH CLIMB GRADIENT MIM 4.0% or 3.0%: Turn RIGHT onto 239° as early as possible. Climb to 2010' (1971').

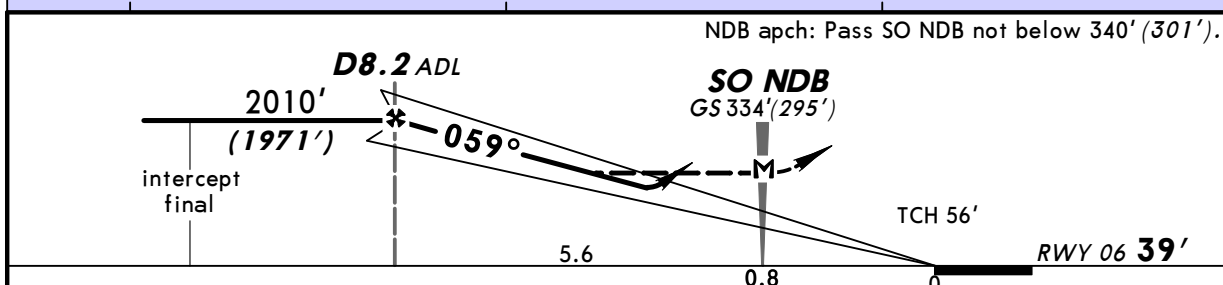
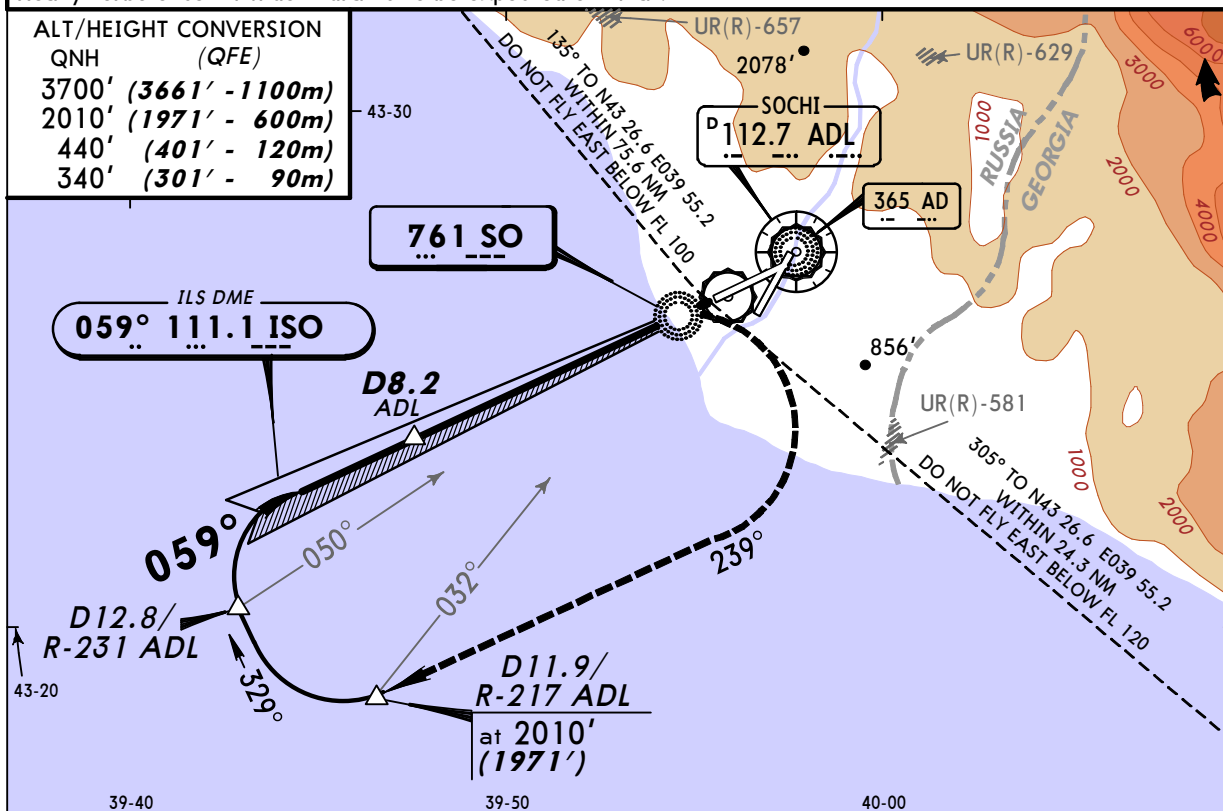
ILS WITH CLIMB GRADIENT MIM 2.5%: Turn RIGHT onto 239° as early as possible. Climb to 2010' (1971'). CAT C: MAX 170 KT, CAT D: MAX 185 KT.

MISSED APCH: NDB: Turn RIGHT (MAX 210 KT) onto 239° as early as possible to 2010' (1971'), then according to chart.

- ① 7800' within 10 NM.
- ② 11,200' within 15 NM.
- ③ 9400' within 10 NM.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3700' (3661')
Heavy turbulence with downdrafts to be expected on final.

ALT/HEIGHT CONVERSION	QNH	(QFE)
3700'	(3661' - 1100m)	
2010'	(1971' - 600m)	
440'	(401' - 120m)	
340'	(301' - 90m)	



Gnd speed-Kts	70	90	100	120	140	160	HIALS	Refer to Missed Apch above
ILS GS or NDB Desc Angle 2.83°	350	451	501	601	701	801	PAPI	
NDB: MAP at SO NDB								

FOR LANDING MINIMUMS SEE 11-2A

URSS/AER

JEPPESEN
21 DEC 12 (11-2A)

SOCHI, RUSSIA
SOCHI

LANDING MINIMUMS

STRAIGHT-IN LANDING RWY06

ILS

Missed apch climb grad mim 5.0% DA(H)		Missed apch climb grad mim 4.0% DA(H)		Missed apch climb grad mim 3.0% DA(H)		Missed apch climb grad mim 2.5% DA(H)	
ABC: 384' (345')		AB: 466' (427')		AB: 515' (476')		AB: 548' (509')	
D: 400' (361')		C: 482' (443')		C: 548' (509')		C: 564' (525')	
		D: 499' (460')		D: 564' (525')		D: 597' (558')	
FULL		ALS out		FULL		ALS out	
A	1000m	1800m	1500m	2300m	1800m	2600m	RVR 1800m VIS 2000m
B			RVR 1500m VIS 1600m	2400m	RVR 1800m VIS 2000m	2800m	2100m
C							
D	1100m	1900m	1700m	2500m	2100m	2900m	2300m

STRAIGHT-IN LANDING RWY 06

LOC (GS out)

NDB

MDA(H) AB: 700' (661')

CD: 1030' (991')

ALS out

A	NOT AUTHORIZED	1200m	RVR 1500m VIS 1600m
B			
C			
D		4400m	4800m

PANS OPS

URSS / AER
SOCHI

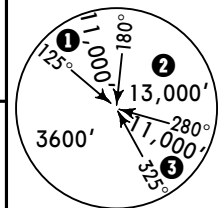
JEPPESEN
7 DEC 12 (13-1) Eff 13 Dec

SOCHI, RUSSIA
VOR DME Rwy 02

BRIEFING STRIP™

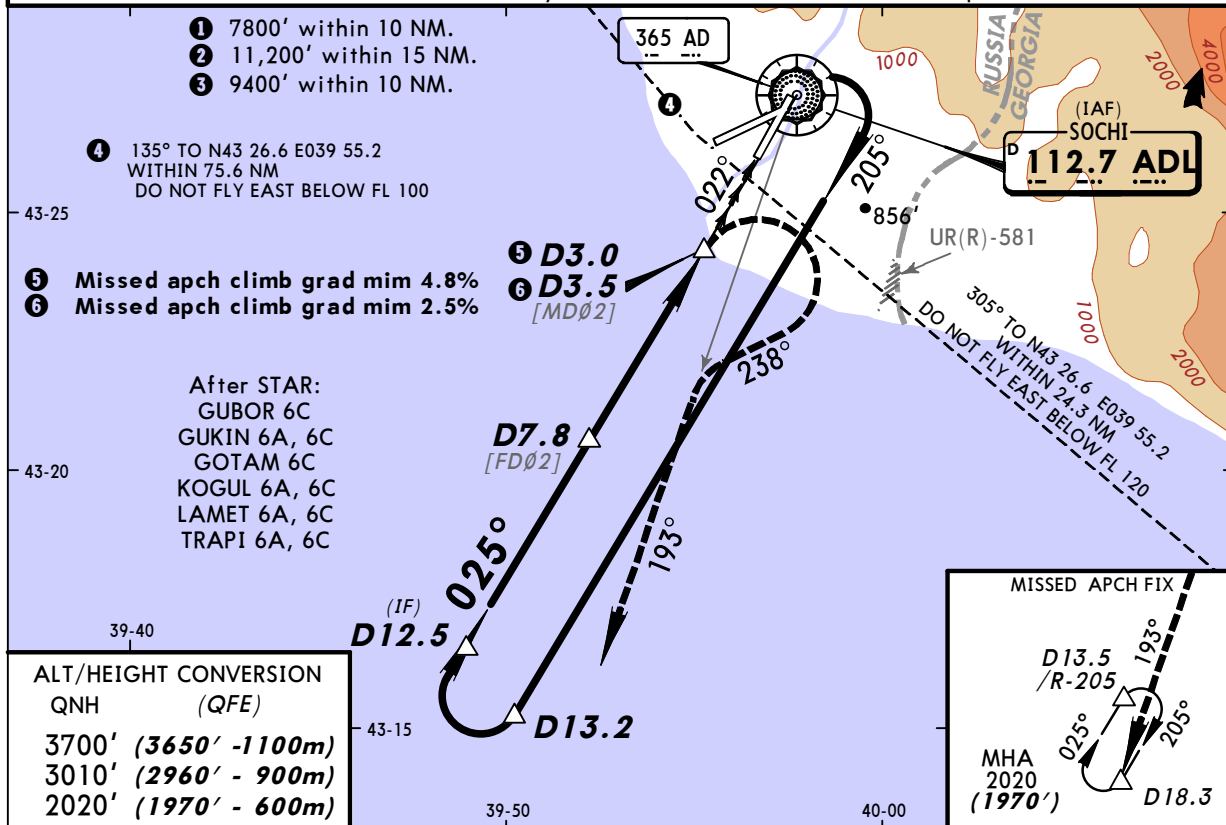
ATIS 129.37 (126.2) ^(Russian)		SOCHI Approach 118.3 124.0X		SOCHI Krug (TWR) 119.7 124.0X		SOCHI Start (TWR) 124.6 124.0X		SOCHI Taxiing (TWR) 119.0	
VOR ADL 112.7		Final Apch Crs 025°		Minimum Alt D7.8 2020' (1970')		MDA(H) Refer to Minimums		Apt Elev 90' RWY 50'	

MISSED APCH: Climbing turn RIGHT (MAX 210 KT) onto 238° as early as possible. Intercept R-193, then proceed to holding at 2020'(1970'), or as directed.

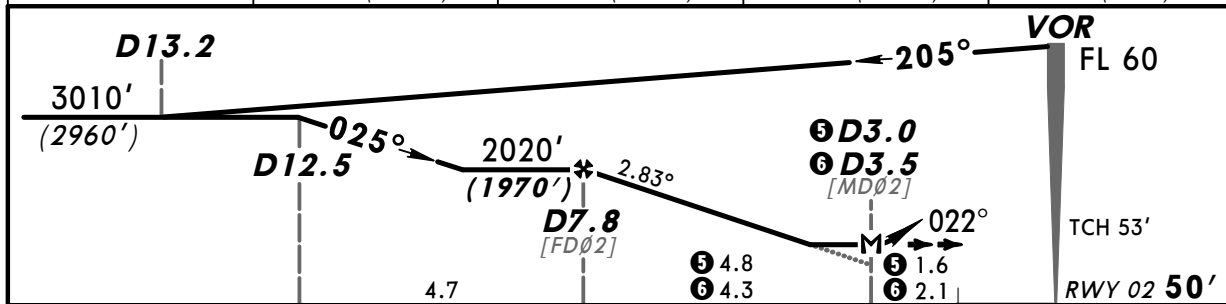


MSA ADL VOR

Alt Set: MM (hPa on req) QNH on req (**QFE**) Trans level: FL 50 Trans alt: 3700' (**3650'**)
1. Racetrack restricted to MAX 225 KT. 2. Heavy turbulence with downdrafts to be expected on final.



ADL DME	7.0	5.9	4.9	3.8
ALTITUDE	1810' (1760')	1500' (1450')	1170' (1120')	840' (790')



<i>Gnd speed-Kts</i>	70	90	100	120	140	160		Refer to Missed Apch above
<i>Descent Angle 2.83°</i>	350	451	501	601	701	801		
5 MAP at D3.0								
6 MAP at D3.5								

STRAIGHT-IN LANDING RWY 02			
Missed apch climb grad mim 4.8%		Missed apch climb grad mim 2.5%	
MDA(H) AB: 660' (610') CD: 700' (650')		MDA(H) AB: 810' (760') CD: 830' (780')	
ALS out		ALS out	

PANS OPS	A		RES 001	RES 001	
	B	2200m	3000m	3200m	
	C				
	D	2400m	3200m	3200m 3600m 4000m	

CHANGES: New procedure.

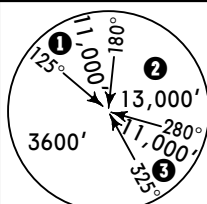
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URSS/AER
SOCHI

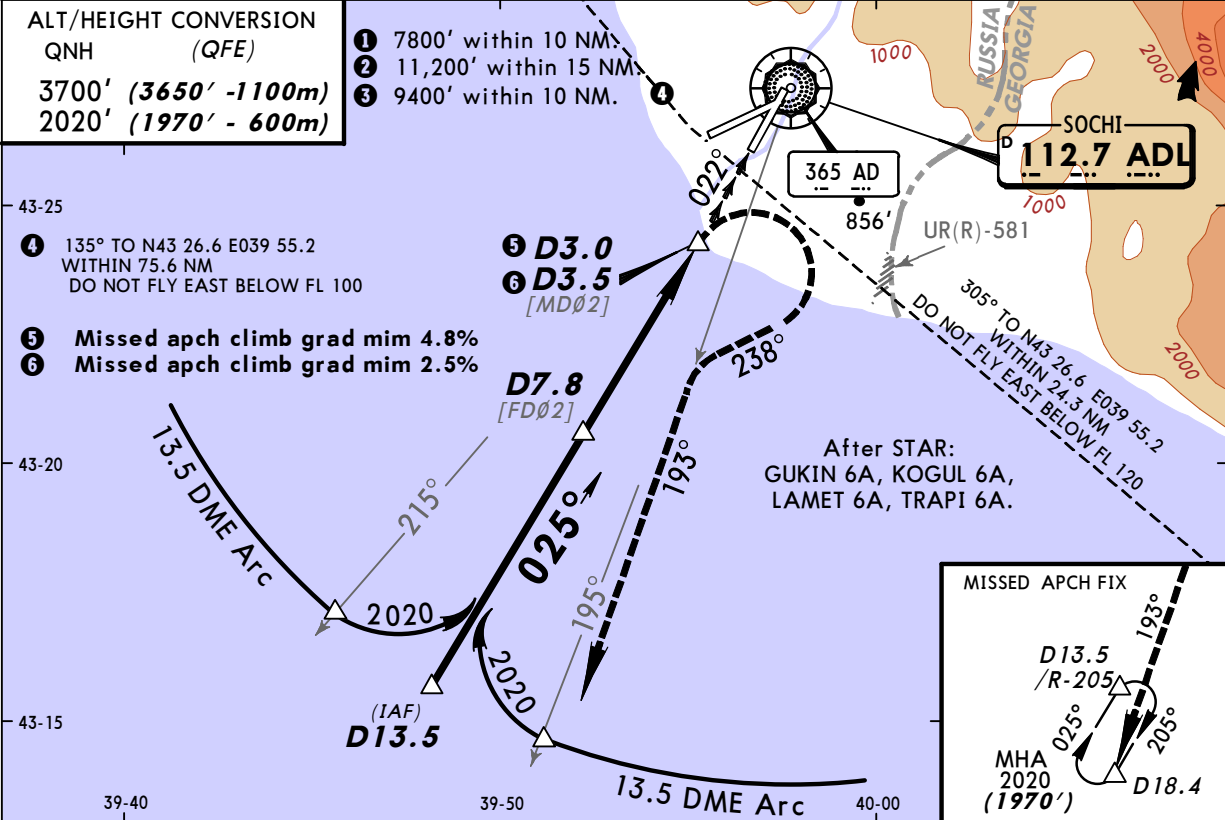
JEPPESSEN
7 DEC 12
Eff 13 Dec (13-2)

SOCHI, RUSSIA
ARC VOR DME Rwy 02

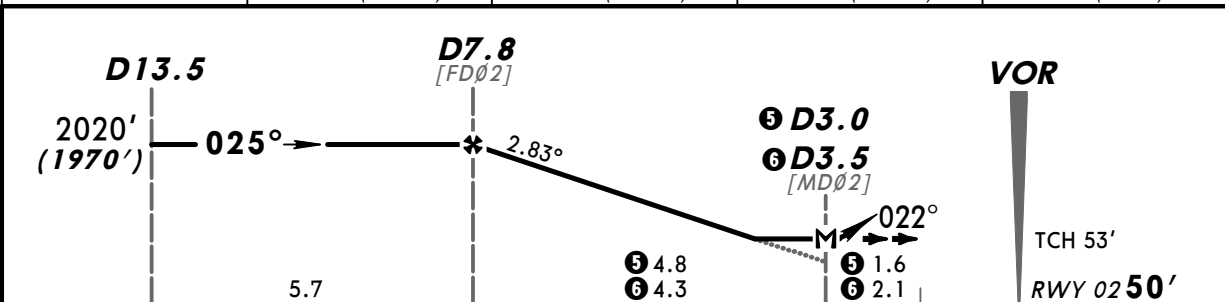
BRIEFING STRIP

ATIS 129.37 (Russian) 126.2	SOCHI Approach 118.3 124.0X	SOCHI Krug (TWR) 119.7 124.0X	SOCHI Start (TWR) 124.6 124.0X	SOCHI Taxiing (TWR) 119.0
VOR ADL 112.7	Final Apch Crs 025°	Minimum Alt D7.8 2020' (1970')	MDA(H) Refer to Minimums Apt Elev 90' RWY 50'	MSA ADL VOR 
MISSED APCH: Climbing turn RIGHT (MAX 210 KT) onto 238° as early as possible. Intercept R-193, then proceed to holding at 2020' (1970'), or as directed.				

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3700' (3650')
Heavy turbulence with downdrafts to be expected on final.



ADL DME	7.0	5.9	4.9	3.8
ALTITUDE	1810' (1760')	1500' (1450')	1170' (1120')	840' (790')



Gnd speed-Kts	70	90	100	120	140	160	HALS PAPI	Refer to Missed Apch above
Descent Angle 2.83°	350	451	501	601	701	801		
5 MAP at D3.0 6 MAP at D3.5								

STRAIGHT-IN LANDING RWY 02				
Missed apch climb grad mim 4.8%		Missed apch climb grad mim 2.5%		
MDA(H) AB: 660' (610') CD: 700' (650')		MDA(H) AB: 810' (760') CD: 830' (780')		
ALS out		ALS out		
A				
B	2200m	3000m	3200m	
C			3200m	3600m
D	2400m	3200m		4000m

PANS OPS

URSS/AER
SOCHI

JEPPESSEN
7 DEC 12
Eff 13 Dec (13-3)

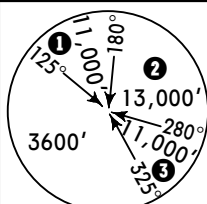
SOCHI, RUSSIA
VOR DME Rwy 06

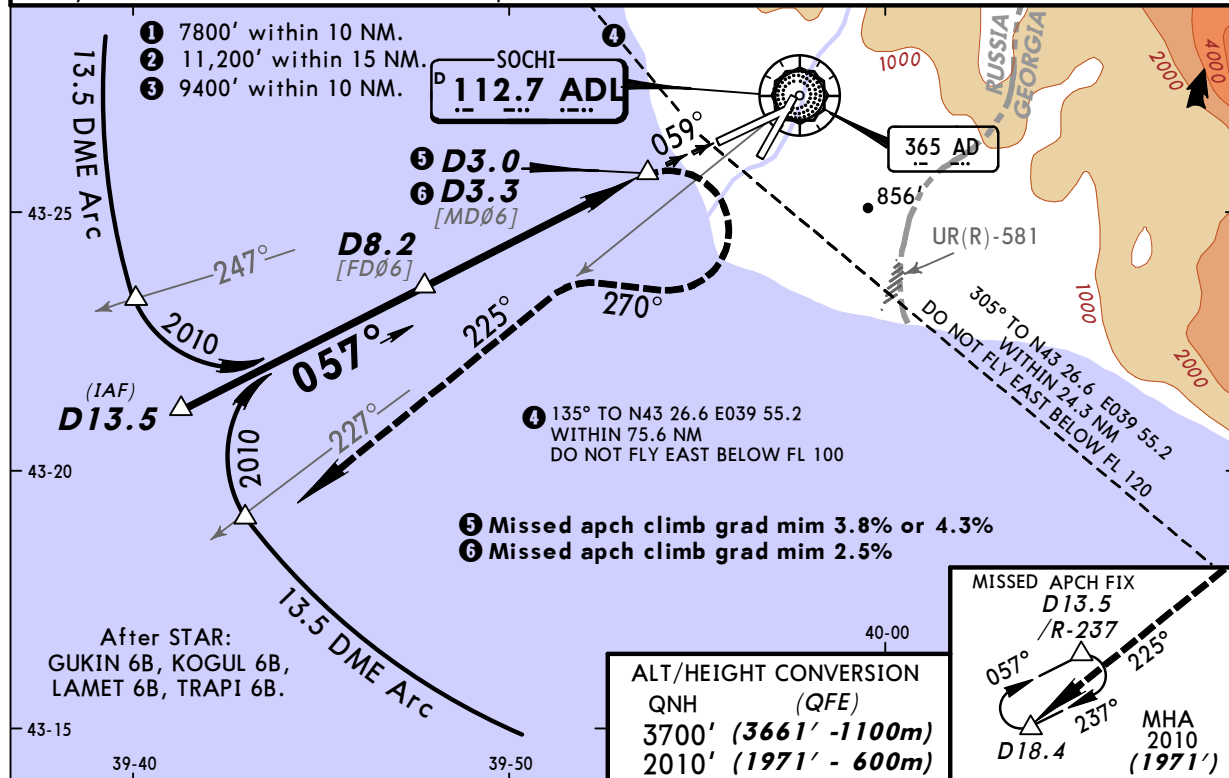
BRIEFING STRIP

ATIS 129.37 (Russian) 126.2	SOCHI Approach 118.3 124.0X	SOCHI Krug (TWR) 119.7 124.0X	SOCHI Start (TWR) 121.2 124.0X	SOCHI Taxiing (TWR) 119.0
VOR ADL 112.7	Final ApcH Crs 057°	Minimum Alt D8.2 2010' (1971')	MDA(H) Refer to Minimums Apt Elev 90' RWY 39'	MSA ADL VOR

URSS/AER
SOCHIJEPPESEN
7 DEC 12
Eff 13 Dec (13-4)SOCHI, RUSSIA
ARC VOR DME Rwy 06

BRIEFING STRIP

ATIS 129.37 (Russian) 126.2	SOCHI Approach 118.3 124.0X	SOCHI Krug (TWR) 119.7 124.0X	SOCHI Start (TWR) 121.2 124.0X	SOCHI Taxiing (TWR) 119.0
VOR ADL 112.7	Final Apch Crs 057°	Minimum Alt D8.2 2010' (1971')	MDA(H) Refer to Minimums Apt Elev 90' RWY 39'	
MISSED APCH: Climbing turn RIGHT onto 270° as early as possible. Intercept R-225, then proceed to holding at 2010' (1971'), or as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3700' (3661') Heavy turbulence with downdrafts to be expected on final.				



ADL DME	7.6	6.5	5.4	4.3
ALTITUDE	1850' (1811')	1500' (1461')	1190' (1151')	860' (821')



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI Refer to Missed Apch above
Descent Angle 2.83°	350	451	501	601	701	801	
5 MAP at D3.0 6 MAP at D3.3							

STRAIGHT-IN LANDING RWY 06							
Missed apch climb grad mim 4.3%		Missed apch climb grad mim 3.8%		Missed apch climb grad mim 2.5%			
MDA(H) 570' (531')		MDA(H) 540' (501')		MDA(H) AB: 600' (561') CD: 650' (611')			
ALS out		ALS out		ALS out			
A	NOT APPLICABLE		1400m	2200m	RVR 1800m VIS 2000m		2800m
B							
C	RVR 1500m VIS 1600m	2400m	NOT APPLICABLE				
D	RVR 1800m VIS 2000m	2800m			2400m		3200m

PANS OPS

URSS/AER
SOCHI

JEPPesen
7 DEC 12 **16-1** Eff 13 Dec

SOCHI, RUSSIA
NDB Rwy 02

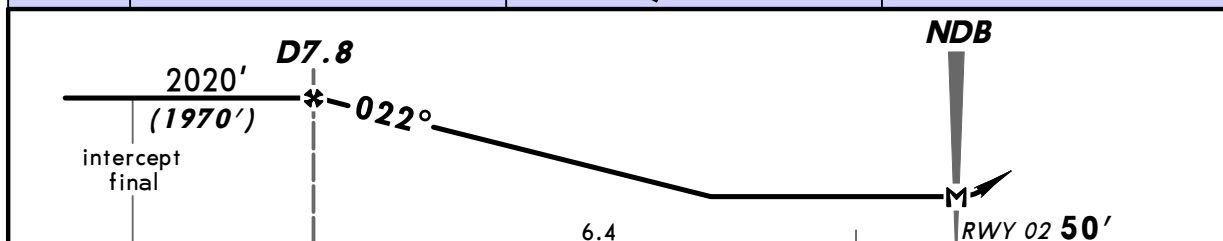
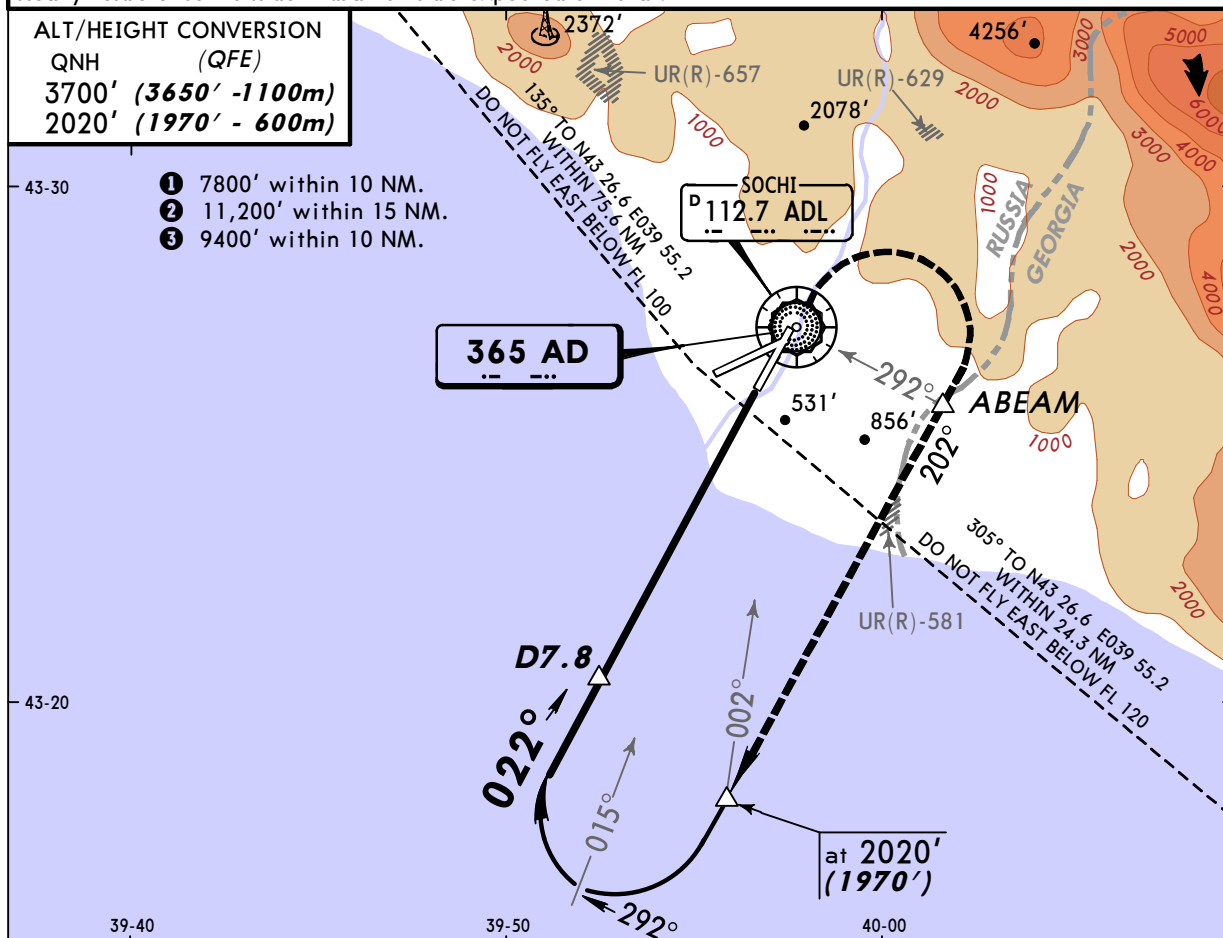
BRIEFING STRIP

ATIS 129.37 ^(Russian) 126.2	SOCHI Approach 118.3 124.0X	SOCHI Krug (TWR) 119.7 124.0X	SOCHI Start (TWR) 124.6 124.0X	SOCHI Taxiing (TWR) 119.0
NDB AD 365	Final Apch Crs 022°	Minimum Alt D7.8 ADL 2020' (1970')	MDA(H) Refer to Minimums 90' 50'	Apt Elev 90' 50'
MISSED APCH: Turn RIGHT onto 202°, as early as possible, climbing to 2020' (1970').				

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3700' (**3650'**)
Heavy turbulence with downdrafts to be expected on final.

ALT/HEIGHT CONVERSION
QNH (QFE)
3700' (**3650'** - 1100m)
2020' (**1970'** - 600m)

- 43-30
- ① 7800' within 10 NM.
 - ② 11,200' within 15 NM.
 - ③ 9400' within 10 NM.



Gnd speed-Kts	70	90	100	120	140	160			
Descent Angle 2.83°	350	451	501	601	701	801			
MAP at NDB									

STRAIGHT-IN LANDING RWY 02			
MDA(H) AB: 1470' (1420') CD: 1660' (1610')			
ALS out			
A	1200m	RVR 1800m VIS 2000m	
B	RVR 1500m VIS 1600m	2400m	
C	4000m	4800m	
D	4400m		

PANS OPS