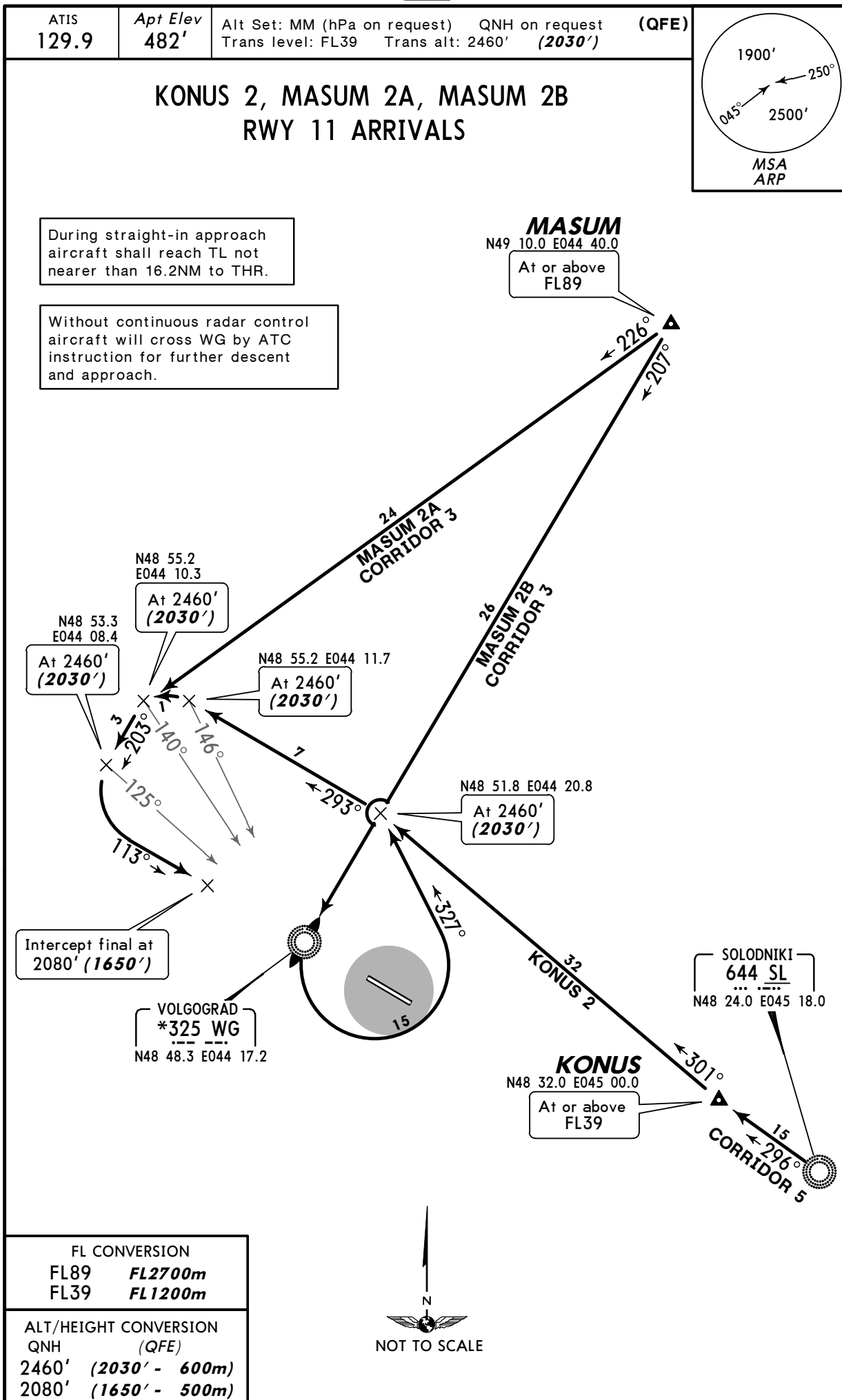


URWW/VOG
 GUMRAK

JEPPESEN
 25 APR 08 10-2

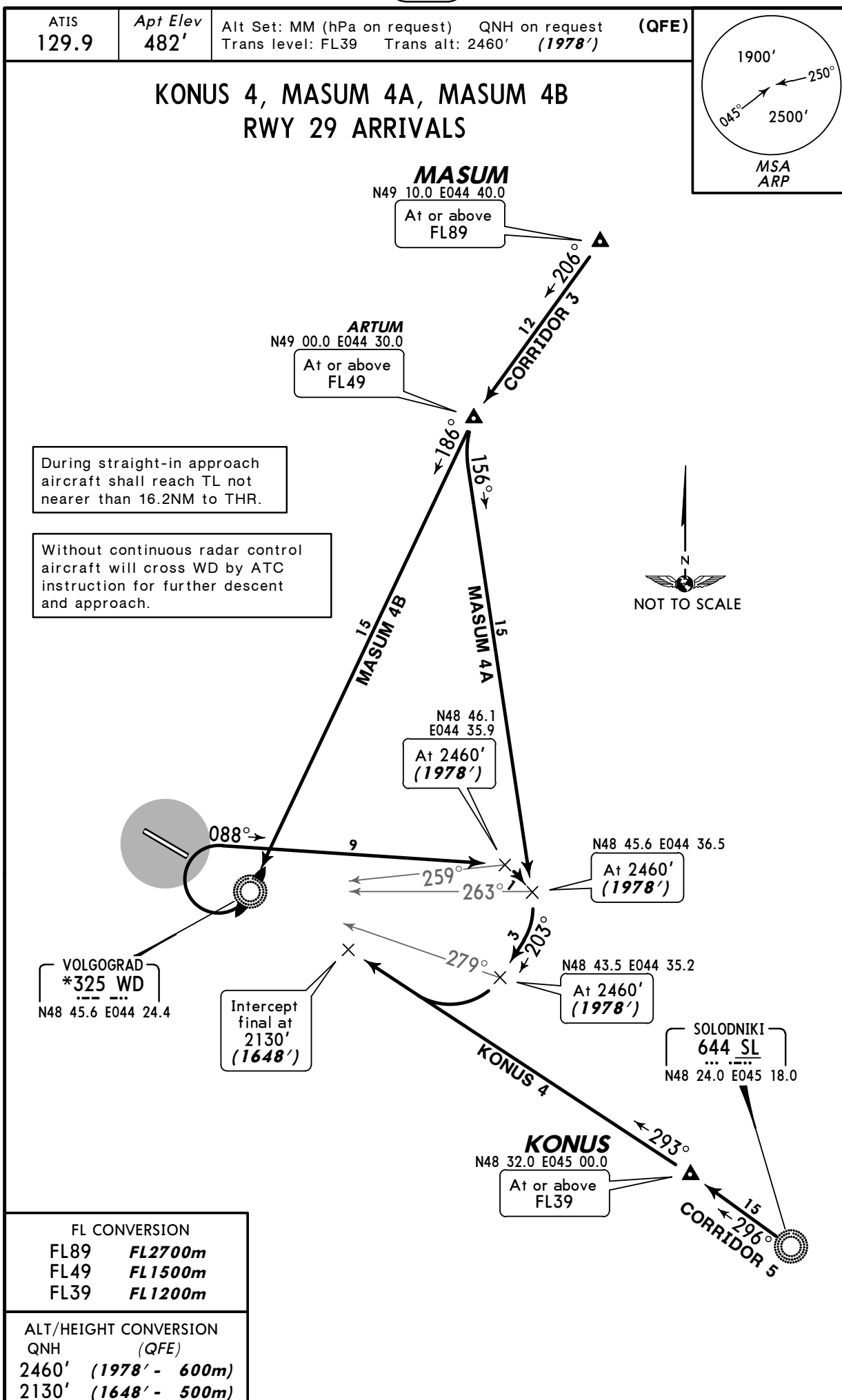
VOLGOGRAD, RUSSIA
 STAR



URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 (10-2A)

VOLGOGRAD, RUSSIA
STAR



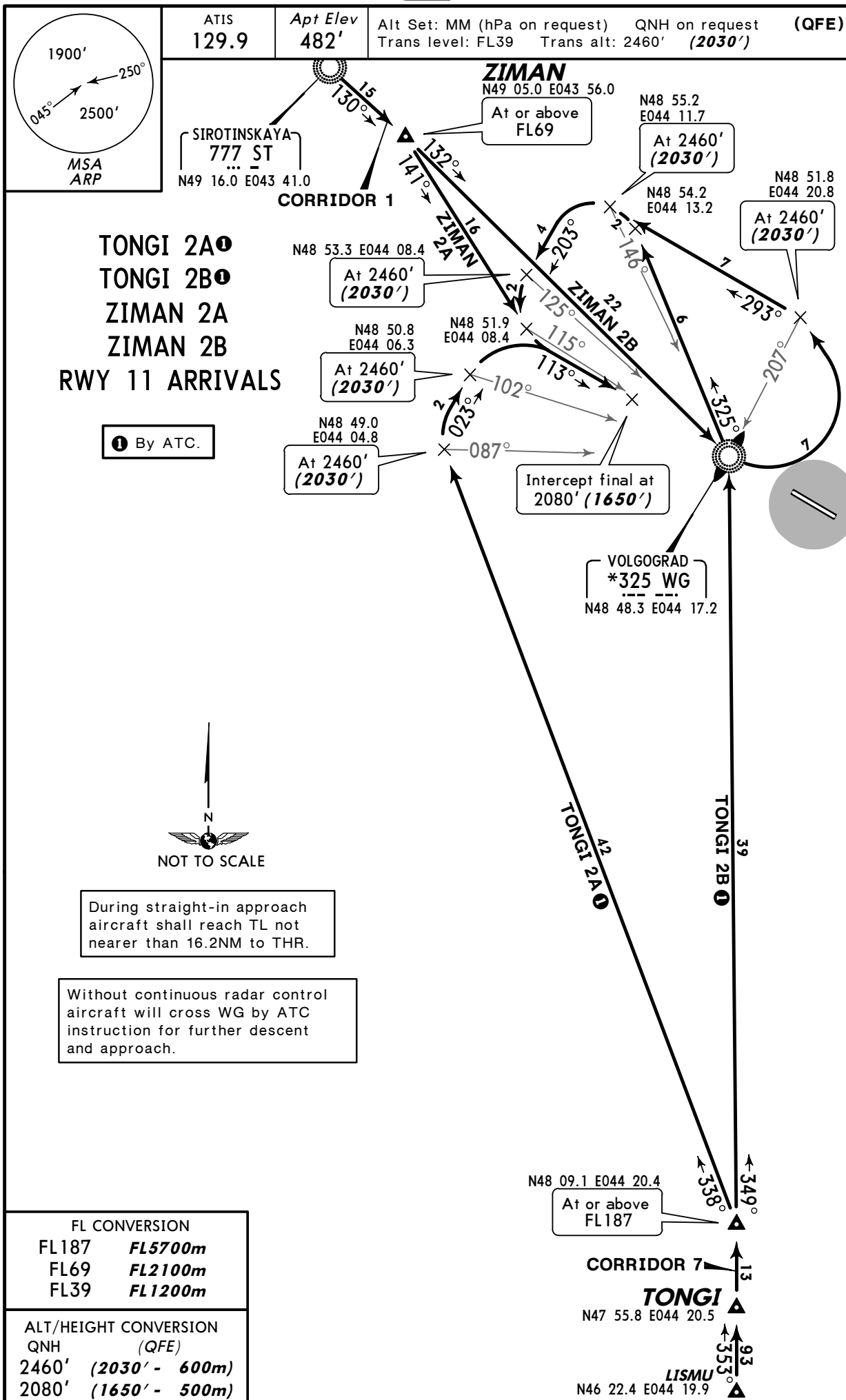
URWW/VOG
GUMRAK

JEPPESEN

VOLGOGRAD, RUSSIA

25 APR 08 10-2B

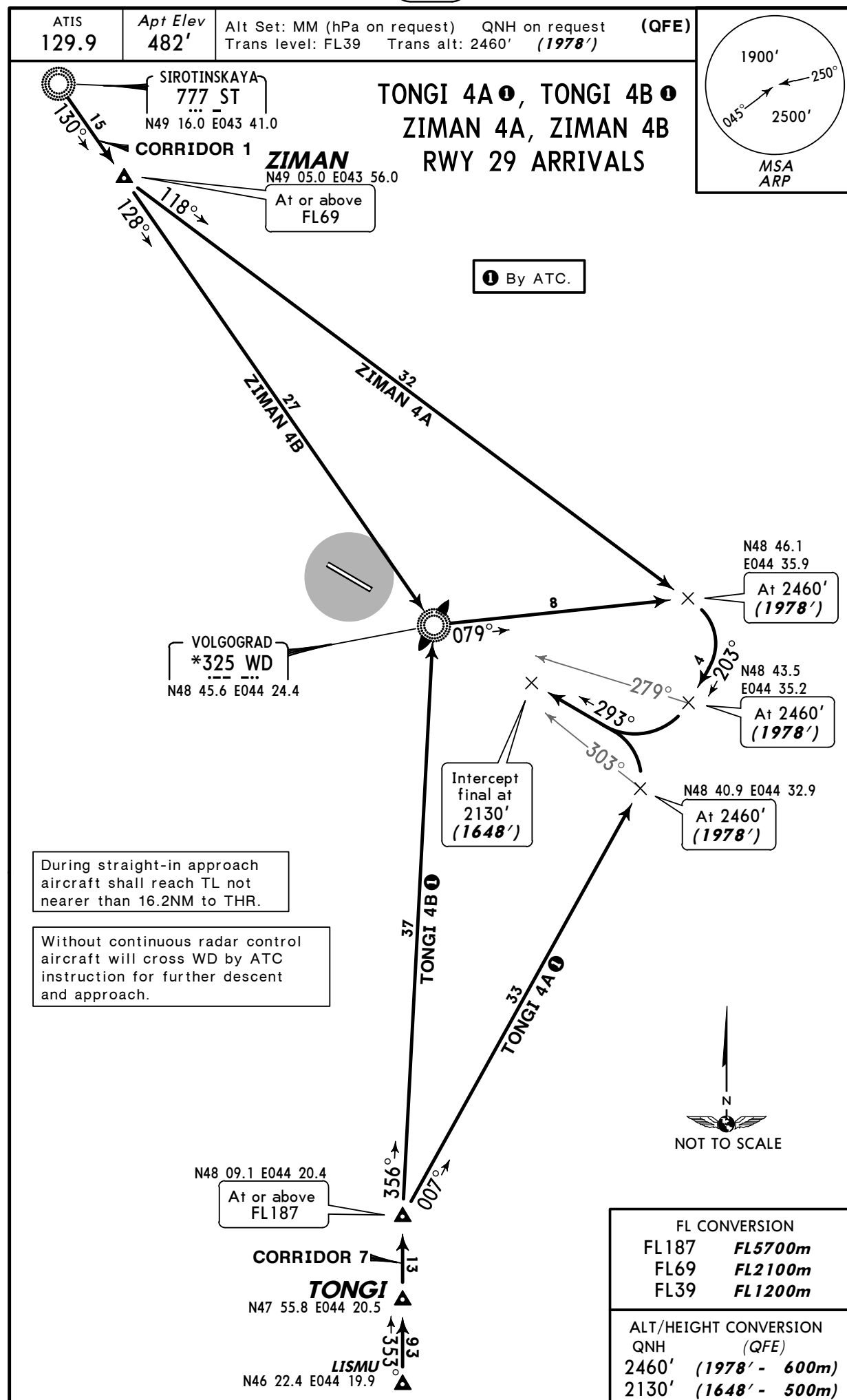
STAR



URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 (10-2C)

VOLGOGRAD, RUSSIA
STAR



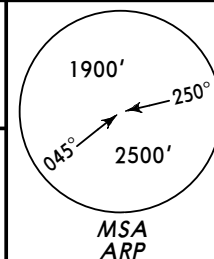
URWW/VOG
 GUMRAK

JEPPESEN
 25 APR 08 10-3

VOLGOGRAD, RUSSIA
 SID

Apt Elev
 482'

QNH on request (QFE)
 Trans level: FL39 Trans alt: 2460' (2030')
 Noise abatement procedures should be applied according
 to Flight Manual.



DIRAT 1, KONUS 1
 MASUM 1
 RWY 11 DEPARTURES

MASUM
 N49 10.0 E044 40.0

At or above
 FL49



At 1090'
 (660')

N48 39.6 E044 28.0

At or above
 FL89 ①

KONUS
 N48 32.0 E045 00.0

At or above
 FL49

SOLODNIKI
 644 SL
 N48 24.0 E045 18.0

DIRAT
 N48 23.3 E044 45.1

At or above
 FL167

NOKLI
 N48 01.5 E045 06.9

ALT/HEIGHT CONVERSION
 QNH (QFE)
 1090' (660' - 200m)
 2460' (2030' - 600m)

FL CONVERSION
 FL39 FL1200m
 FL49 FL1500m
 FL89 FL2700m
 FL167 FL5100m

① DIRAT 1

This SID requires a minimum climb gradient
 of
 365' per NM (6%) up to N48 39.6 E044 28.0 to
 be crossed at or above FL89.

Gnd speed-KT	75	100	150	200	250	300
365' per NM	456	608	911	1215	1519	1823

If unable to comply use SID KONUS 1 instead.

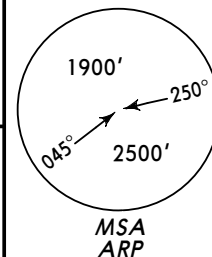
URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 (10-3A)

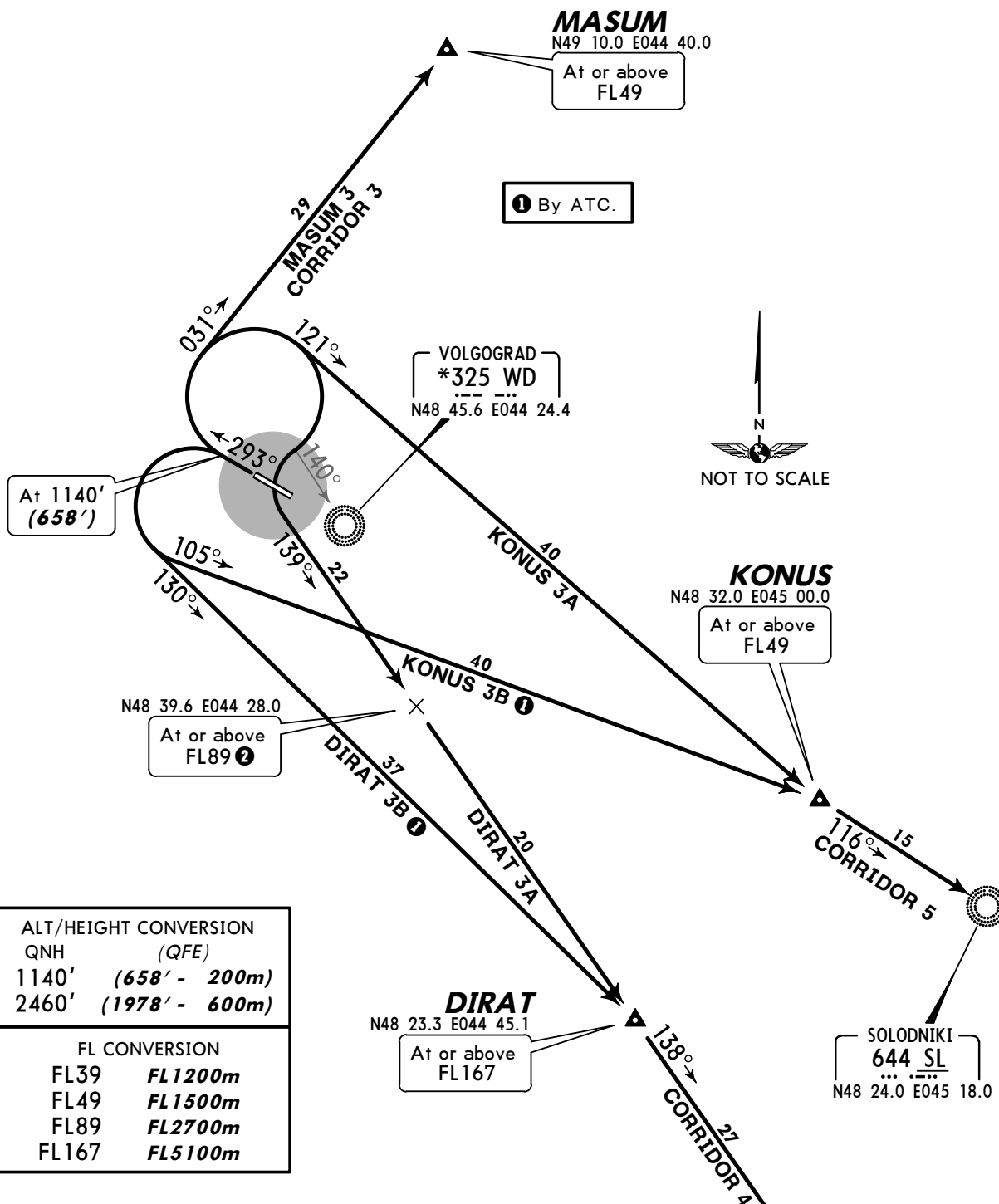
VOLGOGRAD, RUSSIA
SID

Apt Elev
482'

QNH on request (QFE)
Trans level: FL39 Trans alt: 2460' (1978')
Noise abatement procedures should be applied according to Flight Manual.



DIRAT 3A, DIRAT 3B ①
KONUS 3A, KONUS 3B ①, MASUM 3
RWY 29 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1140' (658' - 200m)
2460' (1978' - 600m)

FL CONVERSION
FL39 FL1200m
FL49 FL1500m
FL89 FL2700m
FL167 FL5100m

② DIRAT 3A

This SID requires a minimum climb gradient of 365' per NM (6%) up to N48 39.6 E044 28.0 to be crossed at or above FL89.

Gnd speed-KT	75	100	150	200	250	300
365' per NM	456	608	911	1215	1519	1823

If unable to comply use KONUS SIDs instead.

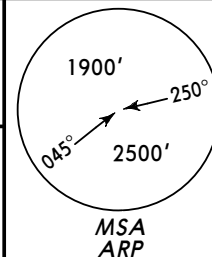
URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 (10-3B)

VOLGOGRAD, RUSSIA
SID

Apt Elev
482'

QNH on request (QFE)
Trans level: FL39 Trans alt: 2460' (2030')
Noise abatement procedures should be applied according
to Flight Manual.



TONGI 1 **1**, ZIMAN 1
RWY 11 DEPARTURES

1 By ATC.

SIROTINSKAYA
777 ST
N49 16.0 E043 41.0

15
CORRIDOR 1
310°

ZIMAN
N49 05.0 E043 56.0
At or above
FL59

33
ZIMAN 1

300°

At 1090'
(660')

52
TONGI 1 **1**
CORRIDOR 7

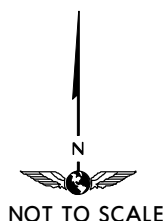
177°

TONGI
N47 55.8 E044 20.5
At or above
FL187

173°

93

LISMU
N46 22.4 E044 19.9



ALT/HEIGHT CONVERSION
QNH (QFE)
1090' (660' - 200m)
2460' (2030' - 600m)

FL CONVERSION
FL39 FL1200m
FL59 FL1800m
FL187 FL5700m

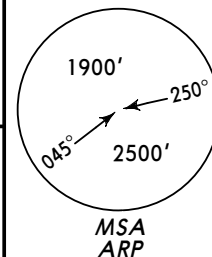
URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 10-3C

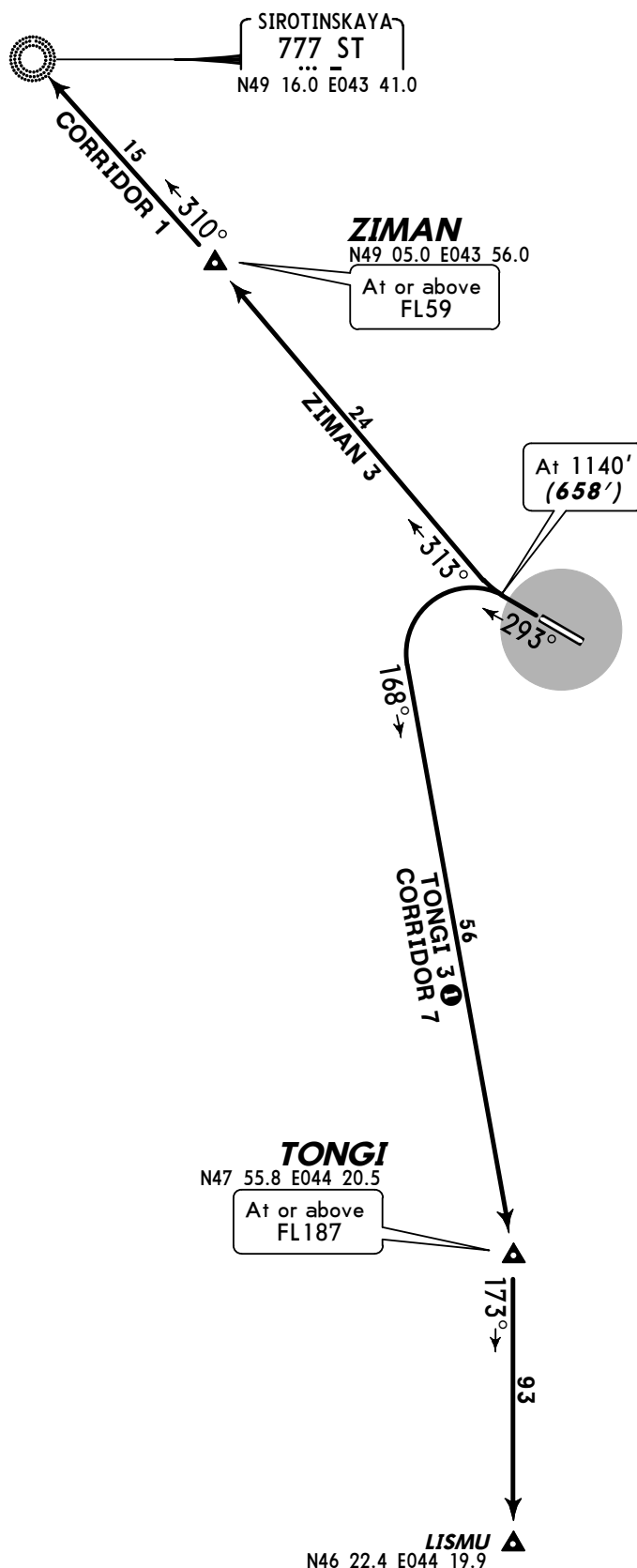
VOLGOGRAD, RUSSIA
SID

Apt Elev
482'

QNH on request (QFE)
Trans level: FL39 Trans alt: 2460' (1978')
Noise abatement procedures should be applied according
to Flight Manual.



TONGI 3 ①, ZIMAN 3
RWY 29 DEPARTURES



① By ATC.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1140'	(658' - 200m)
2460'	(1978' - 600m)

FL CONVERSION	
FL39	FL1200m
FL59	FL1800m
FL187	FL5700m

URWW/VOG

Apt Elev 482'
N48 46.9 E044 20.8

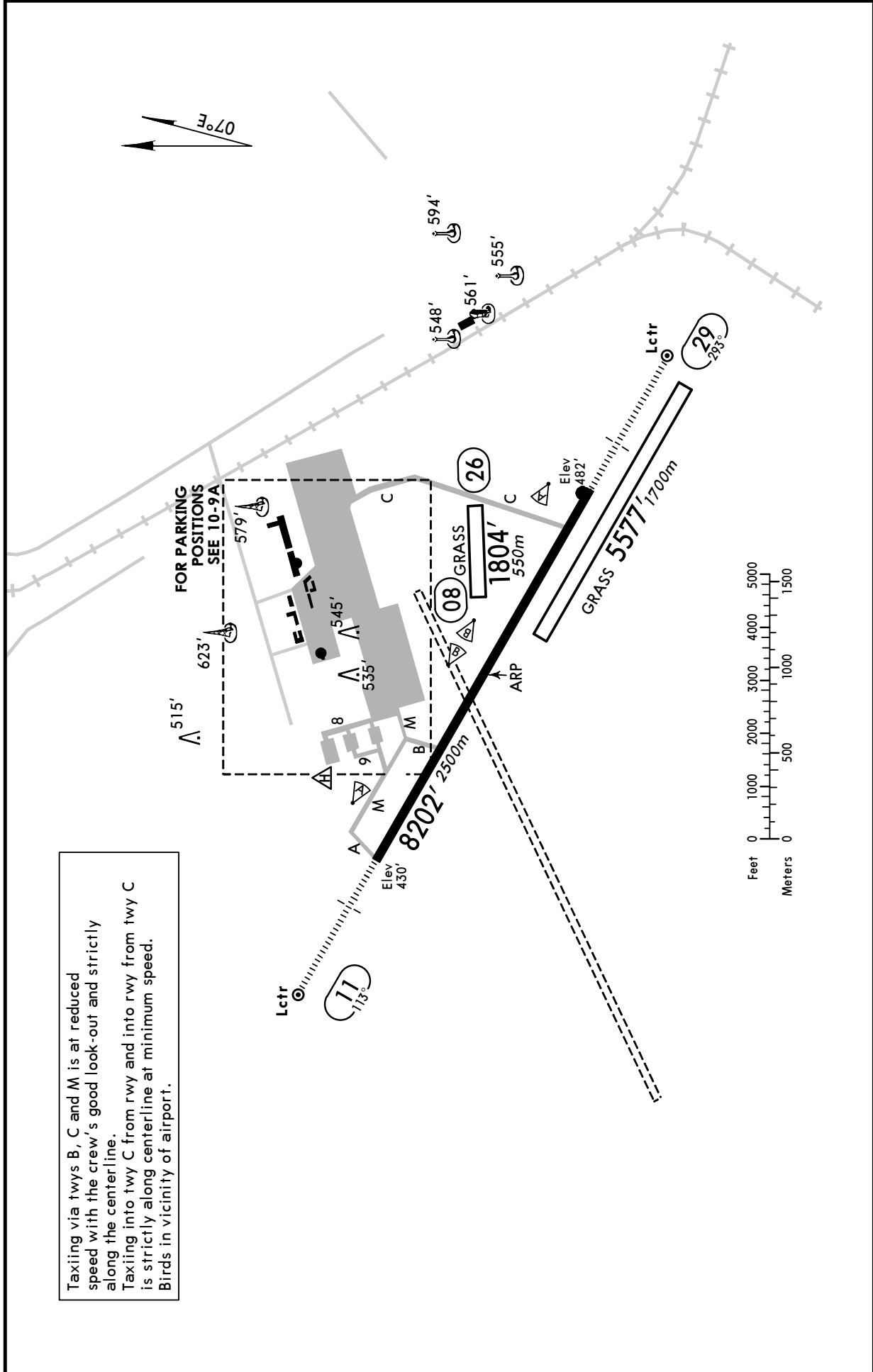
JEPPESSEN

30 JAN 09 (10-9) Eff 12 Feb

VOLGOGRAD, RUSSIA

GUMRAK

ATIS	VOLGOGRAD Taxiing (TWR)	Start (TWR)
129.9	119.0	128.0



CHANGES: Part of apron, taxiways 6 and 7 withdrawn.

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URWW/VOG

30 JAN 09



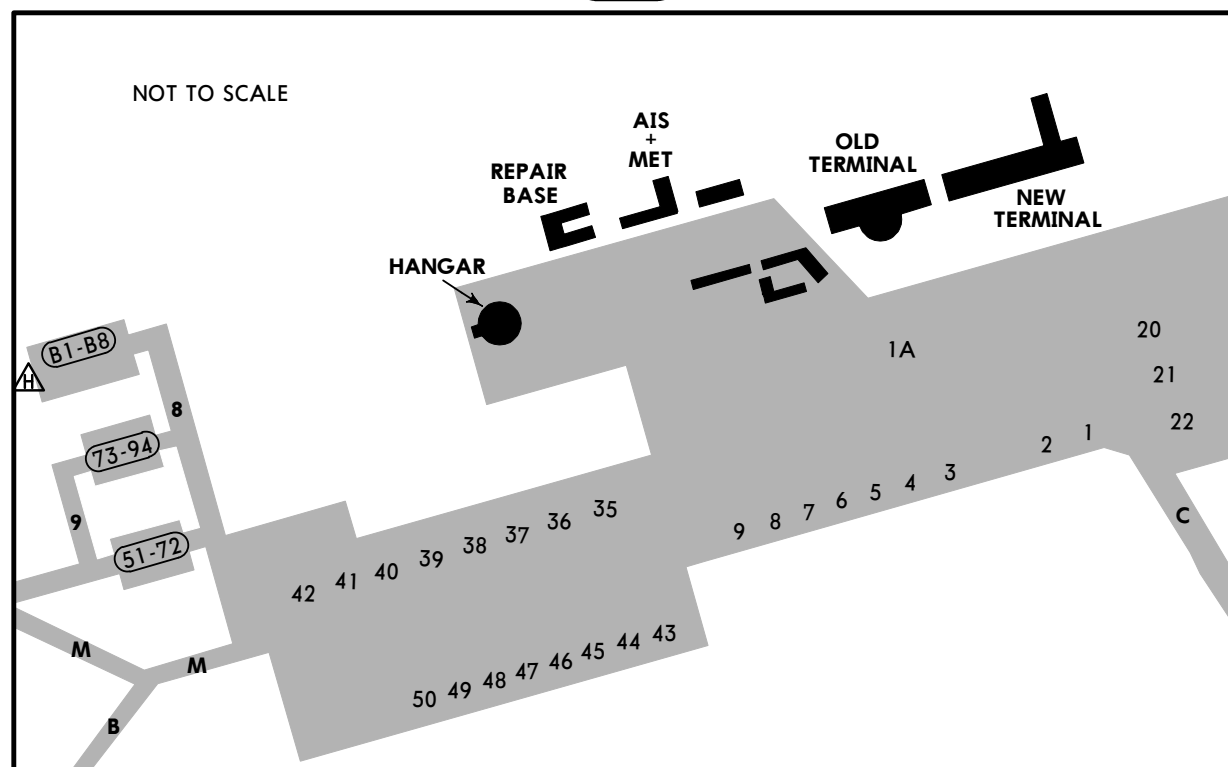
JEPPESEN

(10-9A)

Eff 12 Feb

VOLGOGRAD, RUSSIA

GUMRAK



Taxiing of acft with wingspan more than 125'/38m on aprons is prohibited, except acft with wingspan up to 166'/50.5m taxiing into/out of stands 41 and 42. When stand 42 is occupied taxiing into/out of stand 41 is by towing.

Stands 3, 36 thru 40, 43 thru 49 and B1 thru B8 available for helicopters.

Parking of TU-134, YAK-42 and AN-12 acft types shall be carried out by towing onto stands 36 thru 40 and 49.

ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Landing Beyond Glide Slope		
08	26				328' 100m
11	29	HIRL (60m) HIALS PAPI-L (angle 2.67°) RVR	6892' 2101m 7163' 2183m		161' 49m
11	29	Grass runway			279' 85m

TAKE-OFF

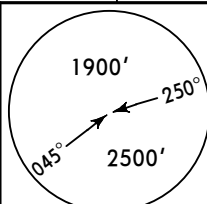
AIR CARRIER (JAA)	
Main rwy 11/29	
LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	400m
B	
C	
D	

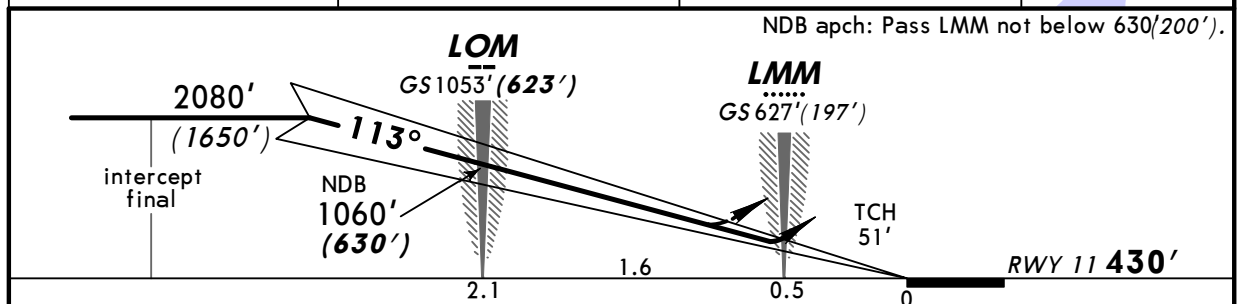
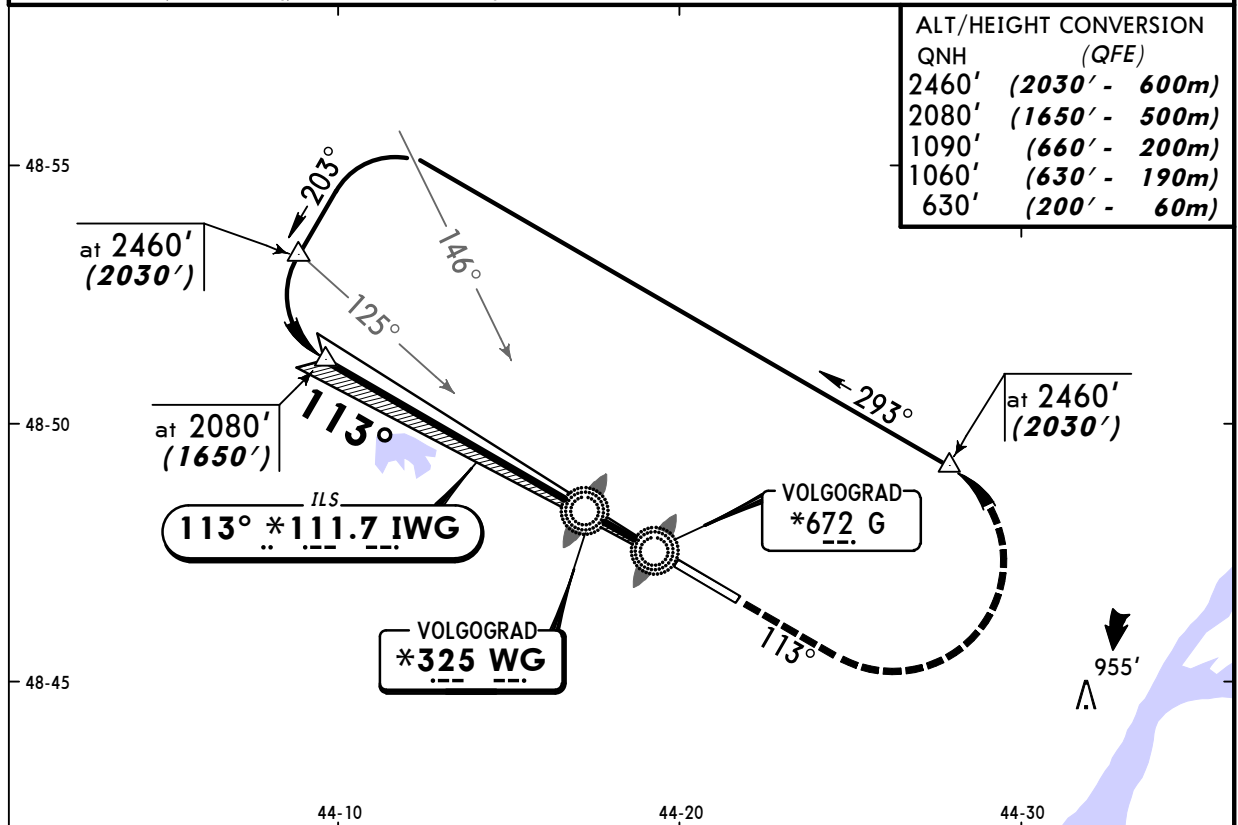
URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 (11-1)

VOLGOGRAD, RUSSIA
ILS or 2 NDB Rwy 11

BRIEFING STRIP

ATIS	VOLGOGRAD Approach (R)	VOLGOGRAD Radar (TWR/SRE)	VOLGOGRAD Tower (PAR)	VOLGOGRAD Start (TWR)	Ground	
129.9	125.3	122.0	128.0	128.0	119.0	
LOC IWG *111.7	Final Apch Crs 113°	GS LOM 1053' (623')	ILS DA(H) 630' (200')	Apt Elev 482' RWY 430'		
NDB WG *325		Minimum Alt LOM 1060' (630')	NDB MDA(H) 810' (380')			
MISSED APCH: Climb on 113° to 1090' (660'), then turn LEFT onto 293° climbing to 2460' (2030'), then according to chart.						MSA ARP
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2460' (2030')		



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1090' (660') on 113°	293°	2460' (2030')
ILS GS 2.67° or NDB Desc Grad 4.7%	336	433	481	577	673	769	PAPI	↑	LT	↑

STRAIGHT-IN LANDING RWY 11					
ILS		LOC (GS out)		NDB	
DA(H) 630' (200')				MDA(H) 810' (380')	
FULL	ALS out				ALS out
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTH	1300m	2100m
D				1700m	

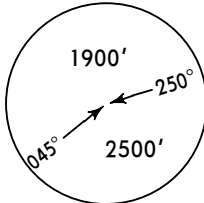
PANS OPS

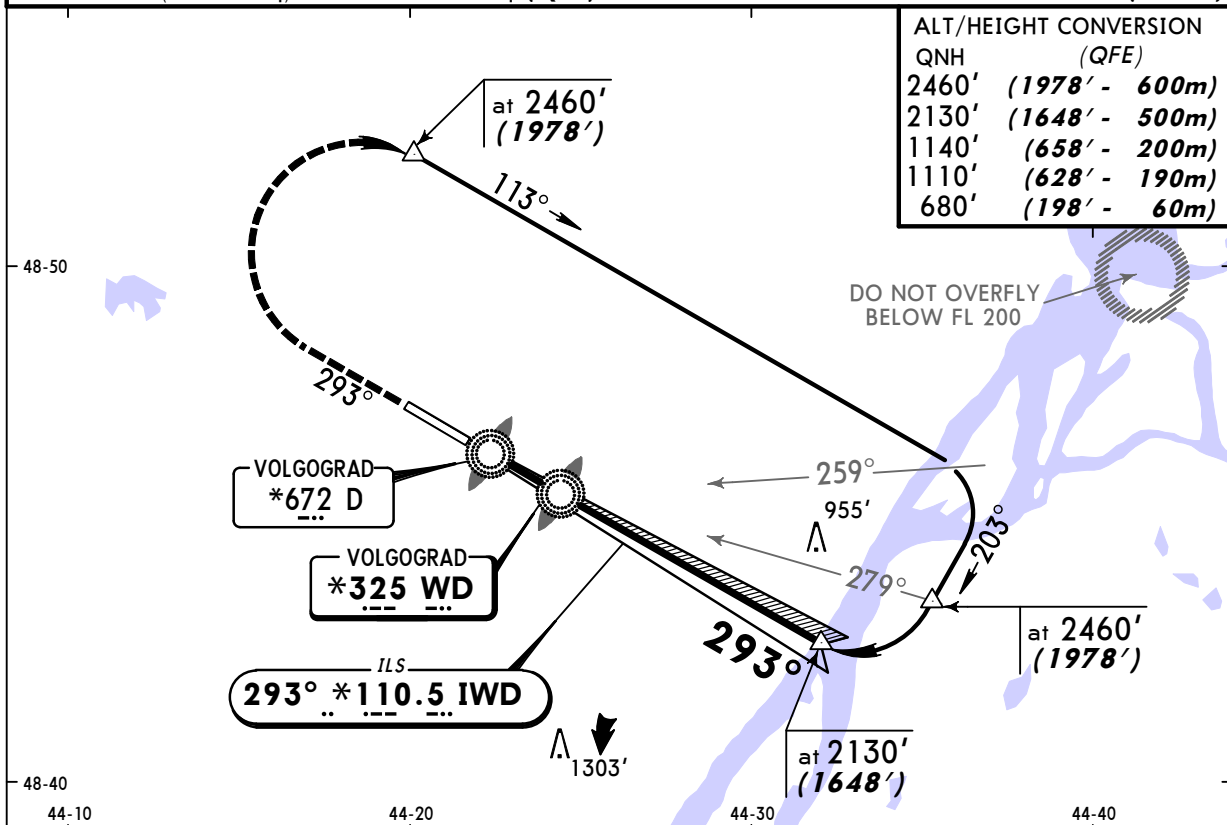
URWW/VOG
GUMRAK

JEPPESEN
25 APR 08 (11-2)

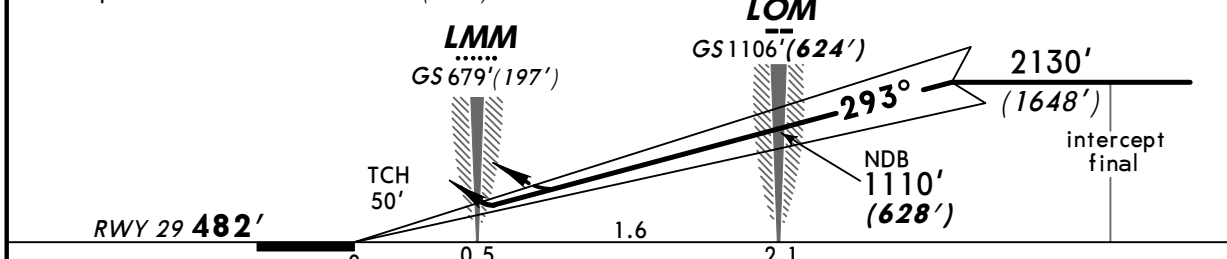
VOLGOGRAD, RUSSIA
ILS or 2 NDB Rwy 29

BRIEFING STRIP

ATIS	VOLGOGRAD Approach (R)	VOLGOGRAD Radar (TWR/SRE)	VOLGOGRAD Tower (PAR)	VOLGOGRAD Start (TWR)	Ground
129.9	125.3	122.0	128.0	128.0	119.0
LOC IWD *110.5	Final Apch Crs 293°	GS LOM 1106' (624')	ILS DA(H) 682' (200')	Apt Elev 482' RWY 482'	 MSA ARP
NDB WD *325		Minimum Alt LOM 1110' (628')	NDB MDA(H) 840' (358')		
MISSED APCH: Climb on 293° to 1140' (658'), then turn RIGHT onto 113° climbing to 2460' (1978'), then according to chart.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2460' (1978')	



NDB apch: Pass LMM not below 680' (198').



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1140' (658') on 293°	113° RT	2460' (1978')
ILS GS 2.67° or NDB Desc Grad 4.7%	336	433	481	577	673	769	PAPI			

STRAIGHT-IN LANDING RWY 29					
ILS		LOC (GS out)		NDB	
DA(H) 682' (200')				MDA(H) 840' (358')	
FULL	ALS out				ALS out
A					
B	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	2000m
C					
D				1600m	

PANS OPS

CHANGES: ATIS frequency.

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