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Changed chart(s) since Disc 09-2011

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 09-2011

TERMINAL CHART NOTAMs

Chart NOTAMs for Airport UGTB

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

Rwy 13L/31R clsd, avbl for parking btn twy E and F for acft 136t or above; swys 13R/31L and twy F clsd, taxiing from stands 1, 2, 6, 10 and 14 by towing only, and eff 26 Aug 10 stands 15-16, 20-22, 26, 27, 44 and 47-49 also by towing only.

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

Ufn ILS rwy 13R OM u/s.

General Info

Tbilisi, GEO

N 41° 40.1' E 44° 57.3' Mag Var: 5.0°E

Elevation: 1624'

Public, IFR, Control Tower, Rotating Beacon, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine, Major Airframe, Major Engine

Time Zone Info: GMT+4:00 no DST

Runway Info

Runway 13R-31L 9843' x 148' concrete

Runway 13R (132.0°M) TDZE 1624'

Lights: Edge, Centerline, TDZ

Stopway Distance 197'

Runway 31L (312.0°M) TDZE 1572'

Lights: Edge, ALS, Centerline, TDZ

Stopway Distance 197'

Communications Info

ATIS **132.8**

Tbilisi Tower **128.0**

Tbilisi Apron Ramp/Taxi Control **131.7**

Tbilisi Approach Control **134.6**

Tbilisi Information **124.15**

Notebook Info

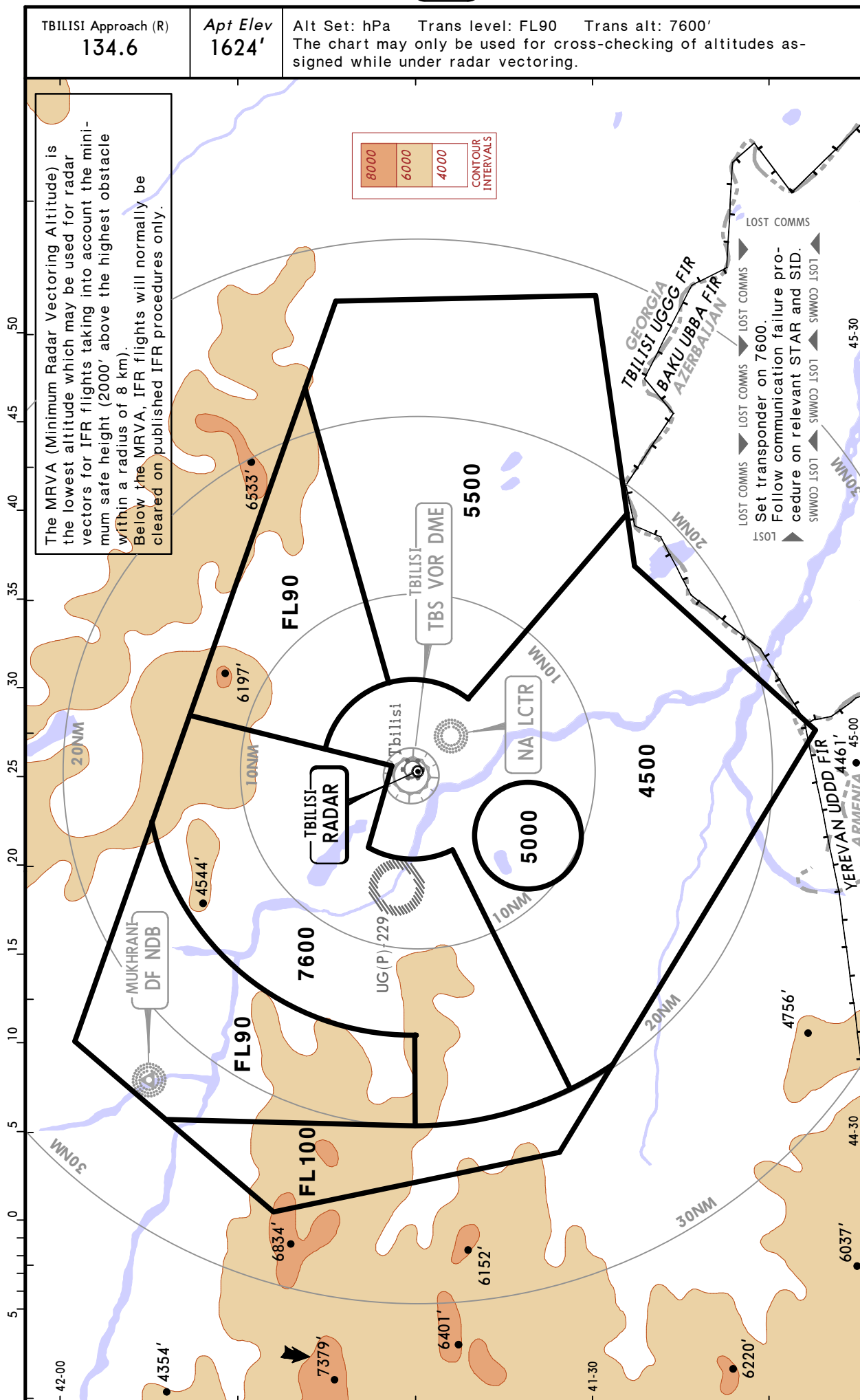
UGTB/TBS
TBILISI

11 FEB 11

10-1R

TBILISI, GEORGIA

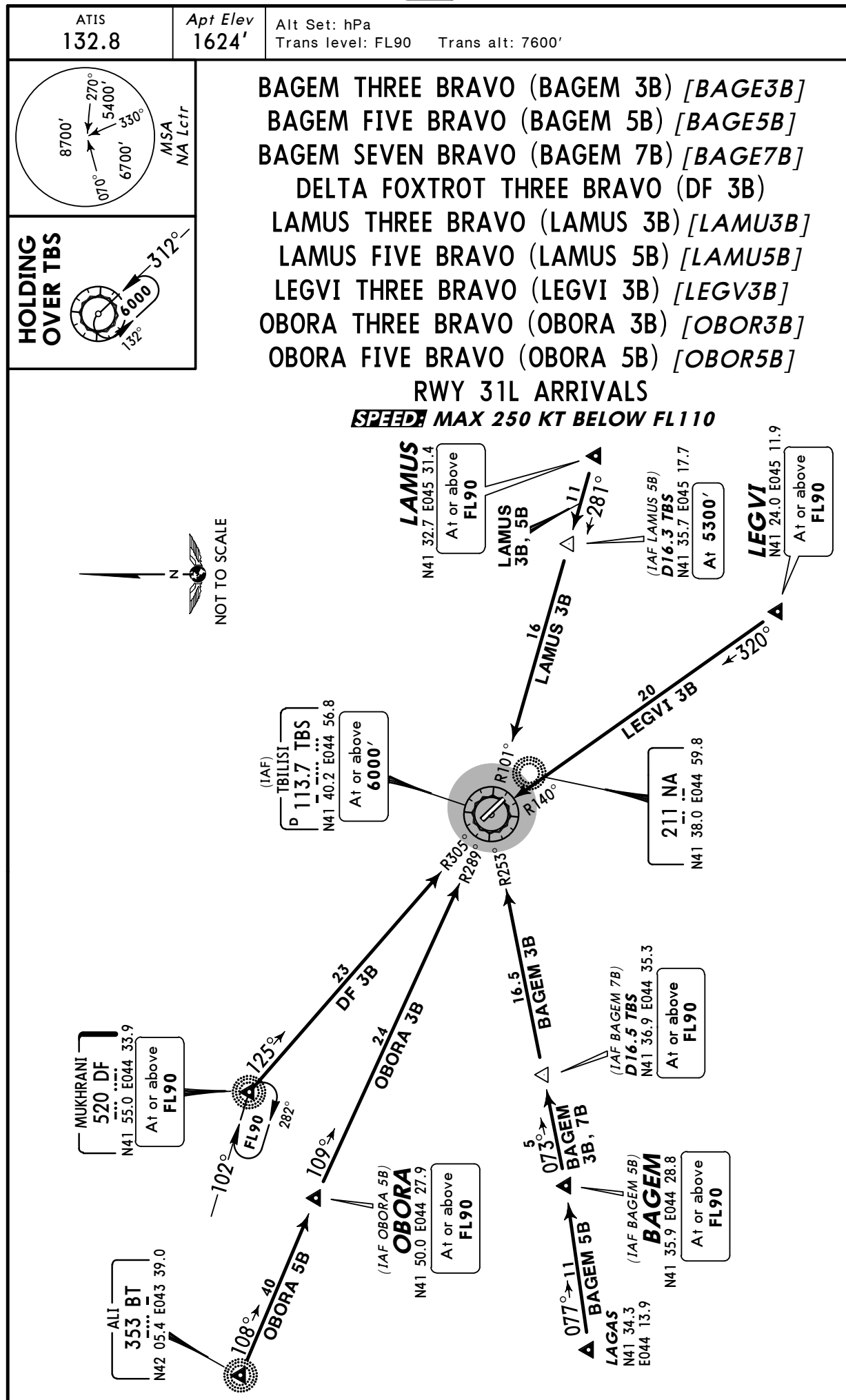
RADAR MINIMUM ALTITUDES



UGTB/TBS
TBILISI

JEPPESEN
 11 DEC 09 **10-2** Eff 17 Dec

TBILISI, GEORGIA
STAR

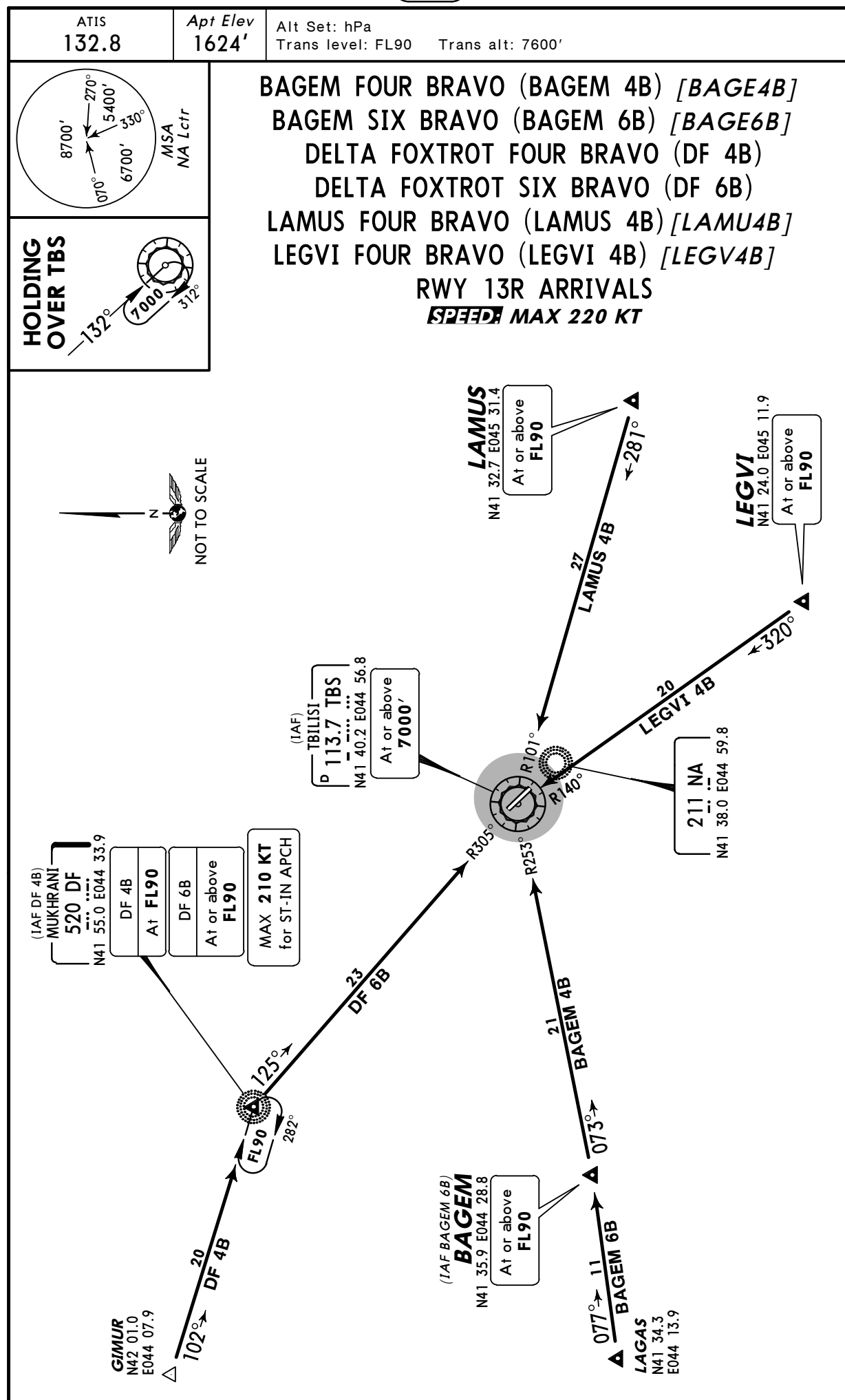


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11 DEC 09 **10-2A** **Eff 17 Dec**

TBILISI, GEORGIA

STAR



UGTB/TBS
TBILISI

14 AUG 09

JEPPESEN

10-3

Eff 27 Aug

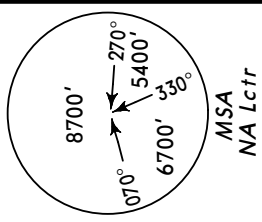
TBILISI, GEORGIA

SID

Apt Elev
1624'

Trans level: FL90 Trans alt: 7600'

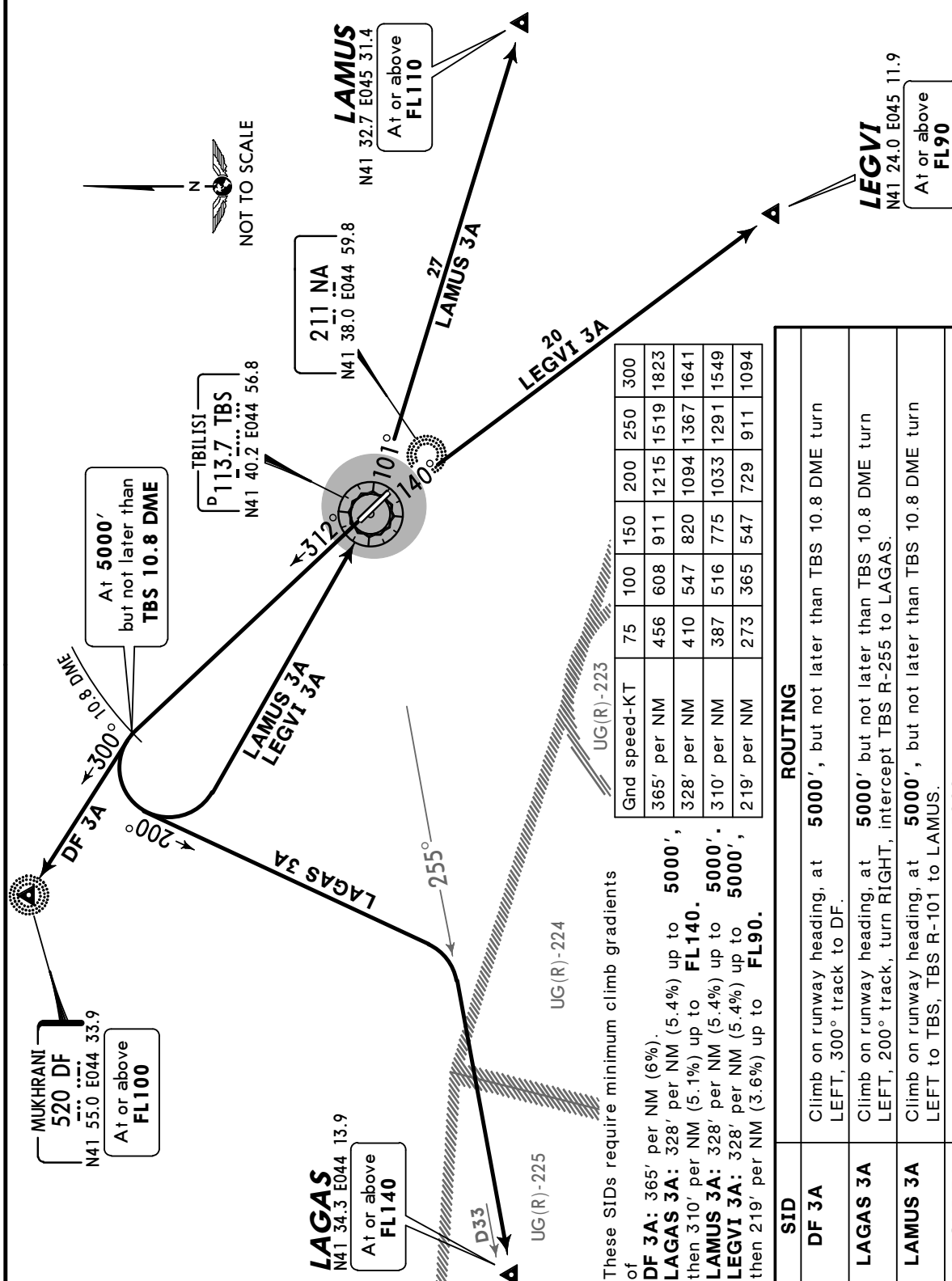
Take-off to be carried out with noise abatement procedures according to Flight Operation Manual.



DELTA FOXTROT THREE ALFA (DF 3A)
LAGAS THREE ALFA (LAGAS 3A) [LAGA3A]
LAMUS THREE ALFA (LAMUS 3A) [LAMU3A]
LEGVI THREE ALFA (LEGVI 3A) [LEGV3A]

RWY 31L DEPARTURES

**WHEN UG(R)-223, UG(R)-224 OR UG(R)-225
ARE ACTIVE CLIMB TO FL160 BY ATC**



Gnd speed-KT	75	100	150	200	250	300
365' per NM	456	608	911	1215	1519	1823
328' per NM	410	547	820	1094	1367	1641
310' per NM	387	516	775	1033	1291	1549
219' per NM	273	365	547	729	911	1094

These SIDs require minimum climb gradients

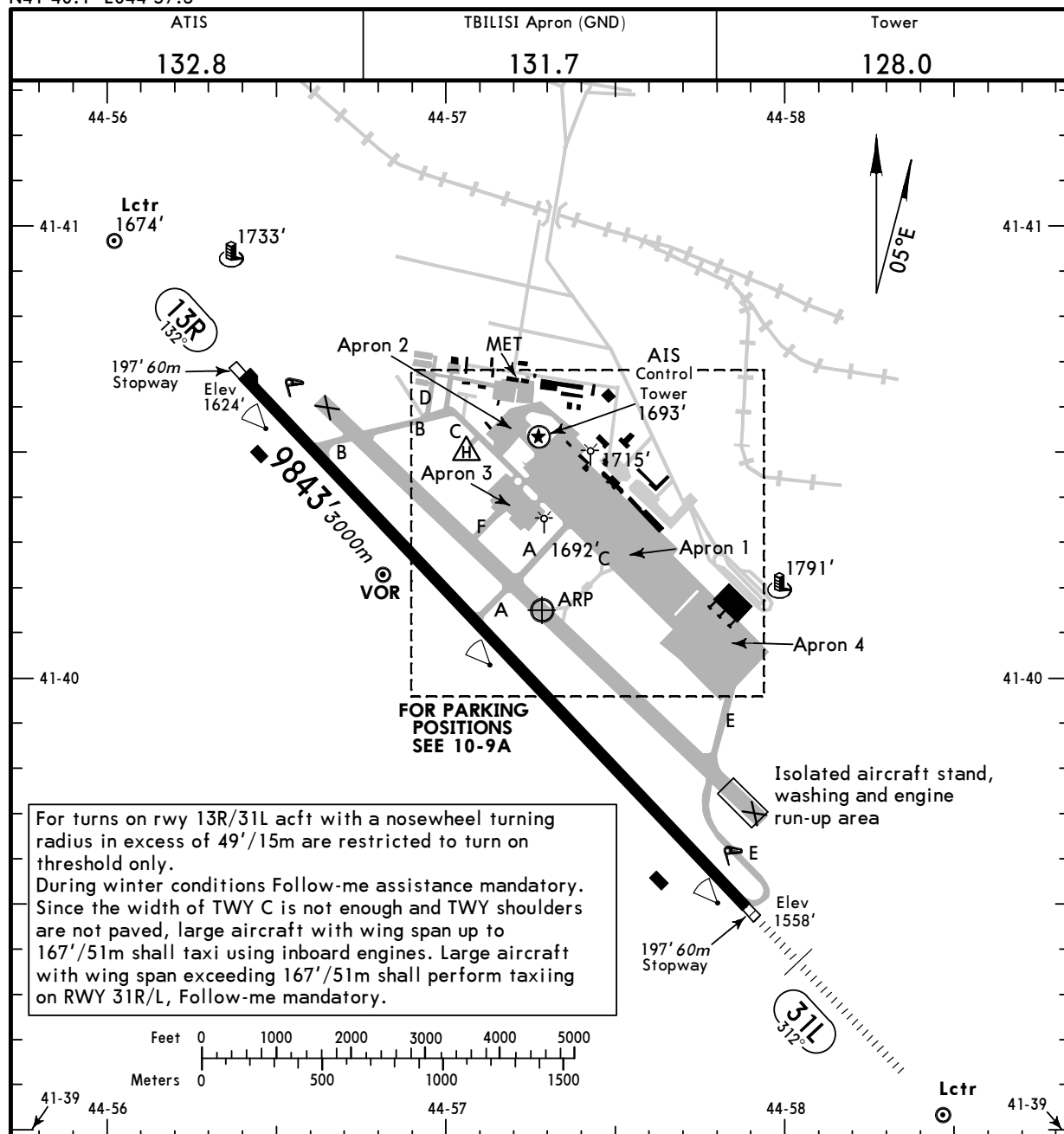
DF 3A: 365' per NM (6%).
LAGAS 3A: 328' per NM (5.4%) up to 5000', then 310' per NM (5.1%) up to **FL140**.
LAMUS 3A: 328' per NM (5.4%) up to 5000'.
LEGVI 3A: 328' per NM (5.4%) up to 5000', then 219' per NM (3.6%) up to **FL90**.

SID	ROUTING
DF 3A	Climb on runway heading, at 5000' , but not later than TBS 10.8 DME turn LEFT, 300° track to DF.
LAGAS 3A	Climb on runway heading, at 5000' but not later than TBS 10.8 DME turn LEFT, 200° track, turn RIGHT, intercept TBS R-255 to LAGAS.
LAMUS 3A	Climb on runway heading, at 5000' , but not later than TBS 10.8 DME turn LEFT to TBS, TBS R-101 to LAMUS.
LEGVI 3A	Climb on runway heading, at 5000' , but not later than TBS 10.8 DME turn LEFT to TBS, turn RIGHT, TBS R-140 to LEGVI.

UGTB/TBS
Apt Elev **1624'**
N41 40.1 E044 57.3

JEPPESSEN
17 DEC 10 **(10-9)**

TBILISI, GEORGIA
TBILISI



ADDITIONAL RUNWAY INFORMATION								
RWY					USABLE LENGTHS		TAKE-OFF	WIDTH
					— LANDING BEYOND —			
					Threshold	Glide Slope		
13R	HIRL (60m) CL (15m) TDZ PAPI-L (3.50°) RVR					8871' 2704m		148'
31L	HIRL (60m) CL (15m) HIALS TDZ PAPI-L (3.17°) RVR					8992' 2741m		45m

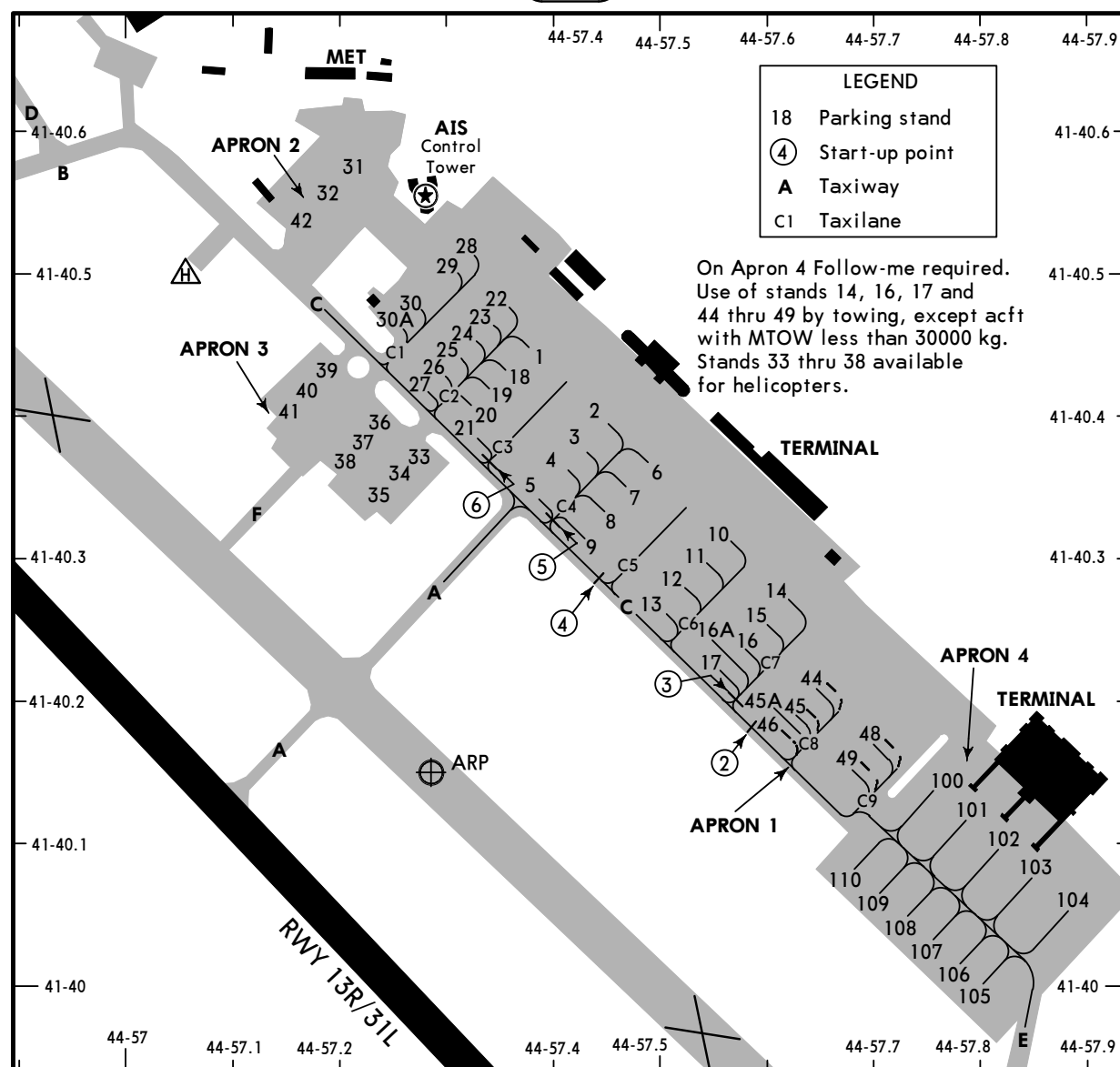
JAR-OPS TAKE-OFF 1						
All Rwys						
LVP must be in force						
Approved Operators	RL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A						
B	125m	150m	200m	250m	400m	500m
C						
D	150m	200m	250m	300m		

1 Operators applying U.S. Ops Specs: CL required below 300m; approved guidance system required below 150m.

UGTB/TBS

17 DEC 10 **10-9A****TBILISI, GEORGIA**

TBILISI



Use of stands 15, 16 and 44 for acft with wingspan up to 167'/51m.
Taxiing from stands 1, 2, 6, 10 and 14 by towing only.
Stands 48 and 49 used for acft with wingspan up to 125'/38m by towing only.
Stands 100 to 110 are allocated for de-icing of acft.

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1	N41 40.5 E044 57.4	33	N41 40.4 E044 57.3
2, 3	N41 40.4 E044 57.5	34, 35	N41 40.3 E044 57.2
4, 5	N41 40.4 E044 57.4	36 thru 40	N41 40.4 E044 57.2
6 thru 8	N41 40.4 E044 57.5	41	N41 40.4 E044 57.1
9	N41 40.3 E044 57.4	42	N41 40.5 E044 57.2
10, 11	N41 40.3 E044 57.6	44	N41 40.3 E044 57.6
12, 13	N41 40.3 E044 57.5	45 thru 46	N41 40.2 E044 57.6
14 thru 16	N41 40.3 E044 57.6	48, 49	N41 40.2 E044 57.7
16A, 17	N41 40.3 E044 57.5	100	N41 40.2 E044 57.8
18	N41 40.5 E044 57.4	101, 102	N41 40.1 E044 57.8
19	N41 40.4 E044 57.4	103, 104	N41 40.1 E044 57.9
20, 21	N41 40.4 E044 57.3	105, 106	N41 40.0 E044 57.8
22	N41 40.5 E044 57.4	107	N41 40.0 E044 57.7
23 thru 26	N41 40.5 E044 57.3	108 thru 110	N41 40.1 E044 57.7
27	N41 40.4 E044 57.3		
28 thru 30A	N41 40.5 E044 57.3		
31, 32	N41 40.6 E044 57.2		

CHANGES: INS coordinates.

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UGTB/TBS

 **JEPPESEN**
17 DEC 10 **10-9S**
Standard
TBILISI, GEORGIA
TBILISI

STRAIGHT-IN RWY		A	B	C	D
13R	ILS	1824' (200') R1200m	1824' (200') R1200m	1834' (210') R1200m	1834' (210') R1200m
	LOC ❶	2920' (1296') C5000m	2920' (1296') C5000m	2920' (1296') C5000m	2920' (1296') C5000m
	VOR ❶	2920' (1296') C5000m	2920' (1296') C5000m	2920' (1296') C5000m	2920' (1296') C5000m
31L	ILS ❷	1758' (200') R550m	1758' (200') R550m	1758' (200') R550m	1758' (200') R550m
	<i>FULL</i>	R750m	R750m	R750m	R750m
	<i>Limited</i>	R1200m	R1200m	R1200m	R1200m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC ❶❷	2140' (582') R1500m	2140' (582') R1500m	2140' (582') R2000m	2140' (582') R2000m
	<i>ALS out</i>	R1500m	R1500m	C2400m	C2400m
	VOR ❶❷	2340' (782') R1500m	2340' (782') R1500m	2340' (782') C2400m	2340' (782') C2400m

❶ Continuous Descent Final Approach.

❷ Missed apch climb gradient min 3.3%.

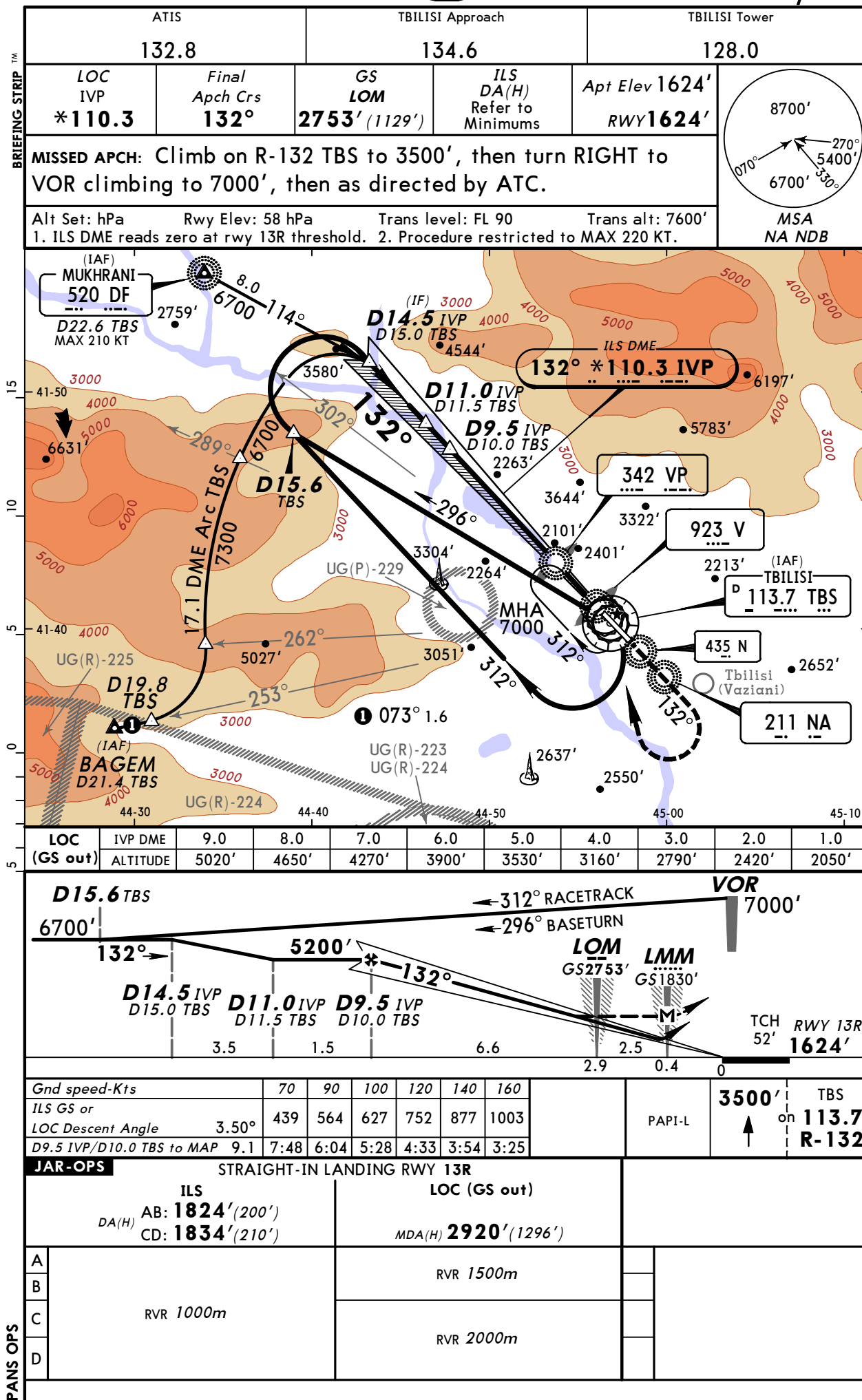
TAKE-OFF RWY 13R, 31L

	Approved Operators HIRL, CL & mult. RVR req	LVP must be in force			RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
		RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL			
A	125m	150m	200m	250m	400m		500m
B							
C							
D	150m	200m	250m	300m			

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28 JAN 11 **(11-1)**

TBILISI, GEORGIA
ILS DME Rwy 13R



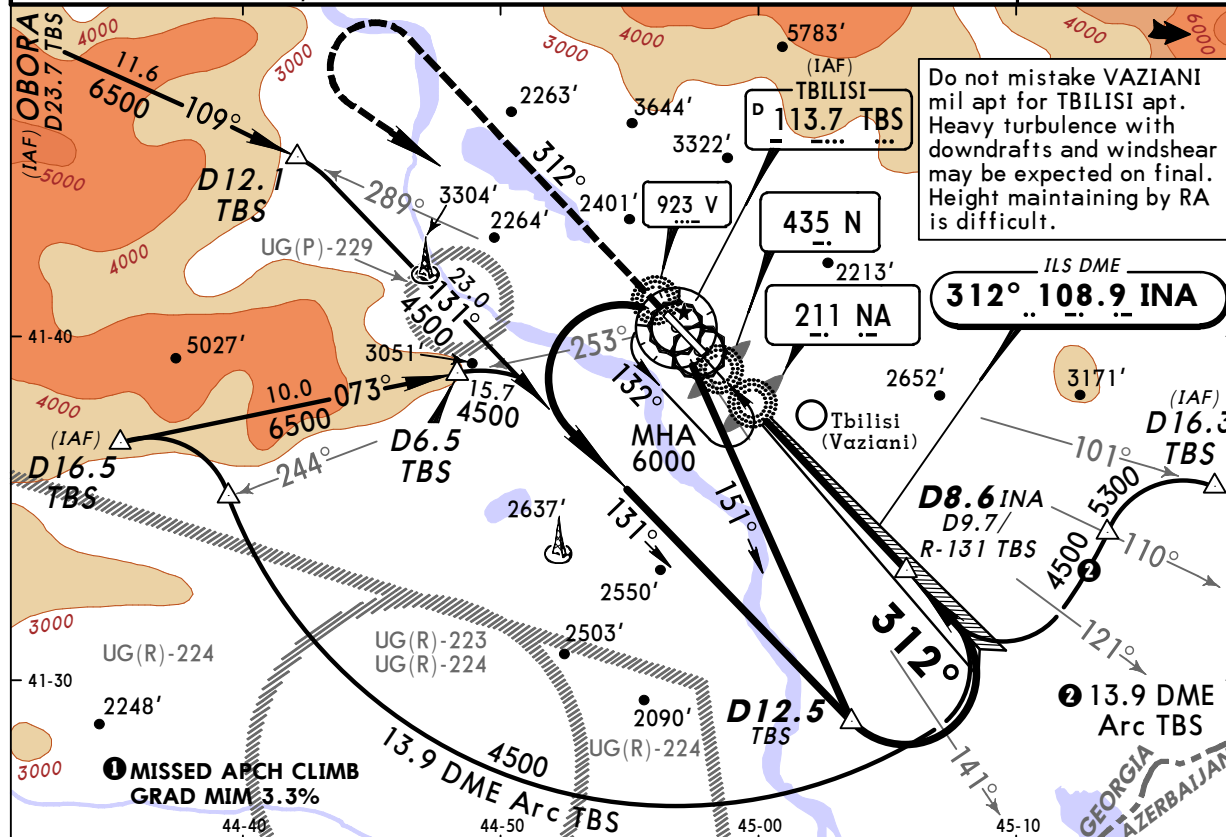
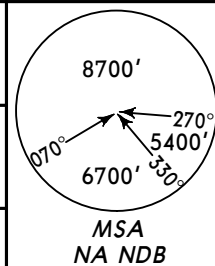
UGTB/TBS
TBILISI

JEPPesen
28 JAN 11 **(11-2)**

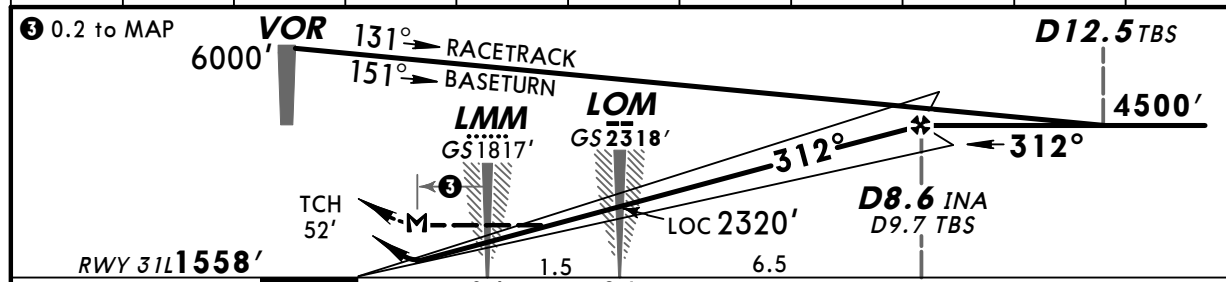
TBILISI, GEORGIA
ILS DME Rwy 31L

BRIEFING STRIP

ATIS		TBILISI Approach		TBILISI Tower
132.8		134.6		128.0
LOC INA 108.9	Final Aptch Crs 312°	GS LOM 2318' (760')	ILS DA(H) 1758' (200')	Apt Elev 1624' RWY1558'
MISSED APCH: Climb on R-312 TBS to 4900', then turn LEFT to VOR climbing to 6000', then then as directed by ATC.				
Alt Set: hPa		Rwy Elev: 56 hPa	Trans level: FL 90	Trans alt: 7600'
ILS DME reads zero at rwy 31L threshold.		MSA NA NDB		



LOC	INA DME	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
(GS out)	ALTITUDE	1950'	2290'	2620'	2960'	3290'	3630'	3960'	4300'	4640'



Gnd speed-Kts	70	90	100	120	140	160	HIALS	
ILS GS or LOC Descent Angle	3.20°	401	516	574	688	803	918	PAPI
D8.6 INA/D9.7 TBS to MAP	8.2	7:02	5:28	4:55	4:06	3:31	3:04	4900' on TBS 113.7 R-312

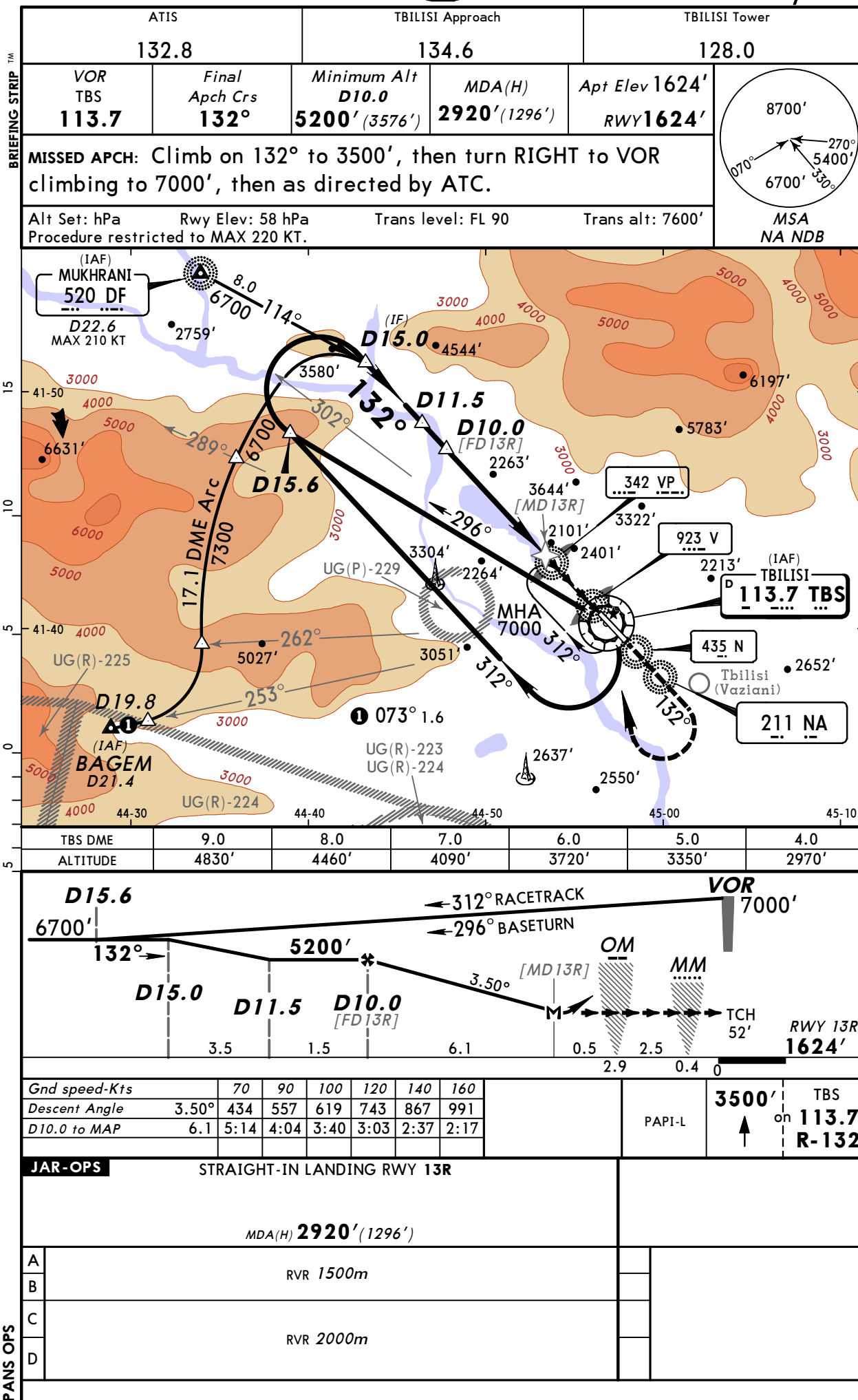
JAR-OPS		STRAIGHT-IN LANDING RWY 31L					
		Missed apch climb grad mim 3.3%					
ILS		LOC (GS out)					
DA(H) 1758' (200')		MDA(H) 2140' (582')					
FULL		ALS out				ALS out	
A	RVR 550m	RVR 1000m	RVR 1000m		RVR 1500m		
B							
C			RVR 1200m				
D			RVR 1600m		RVR 2000m		

PANS OPS

UGTB/TBS
TBILISI

JEPPesen
28 JAN 11 **(13-1)**

TBILISI, GEORGIA
VOR DME Rwy 13R



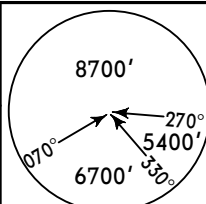
UGTB/TBS
TBILISI

JEPPesen
28 JAN 11 **(13-2)**

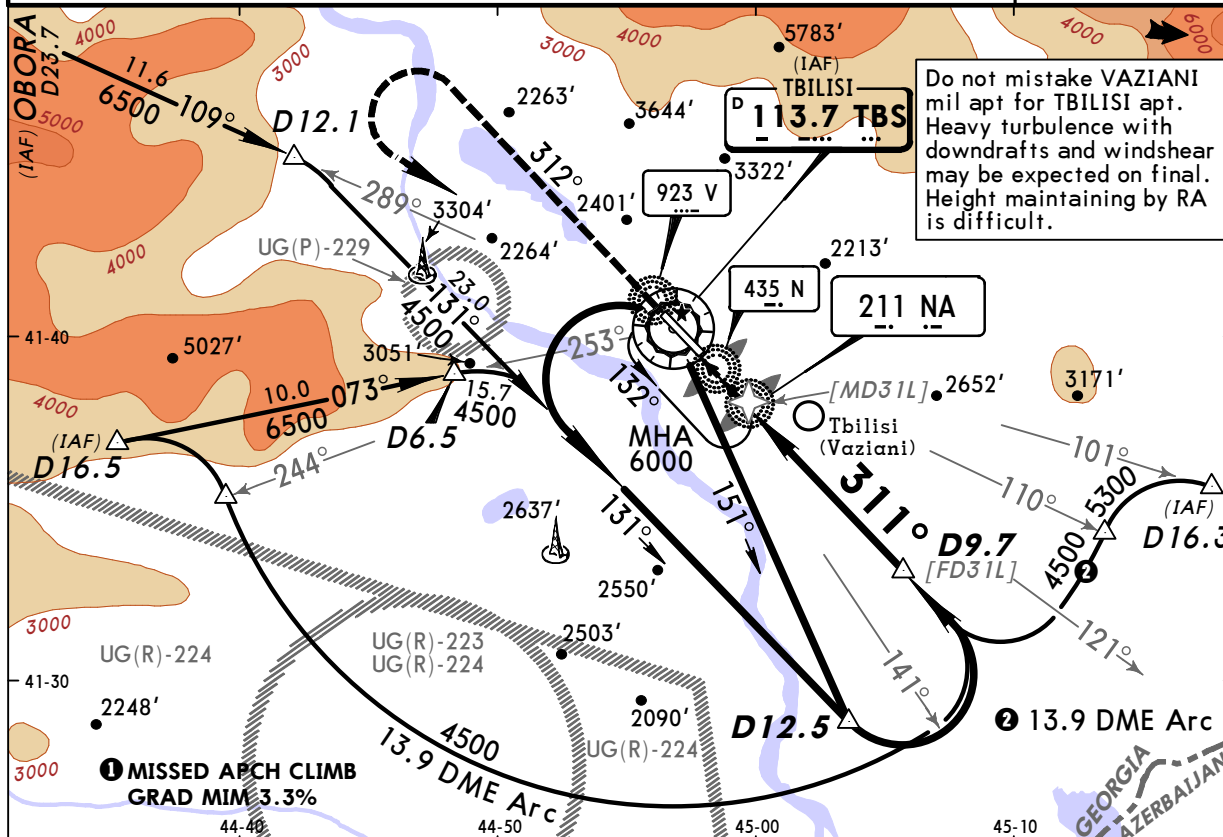
TBILISI, GEORGIA
• VOR DME Rwy 31L

BRIEFING STRIP

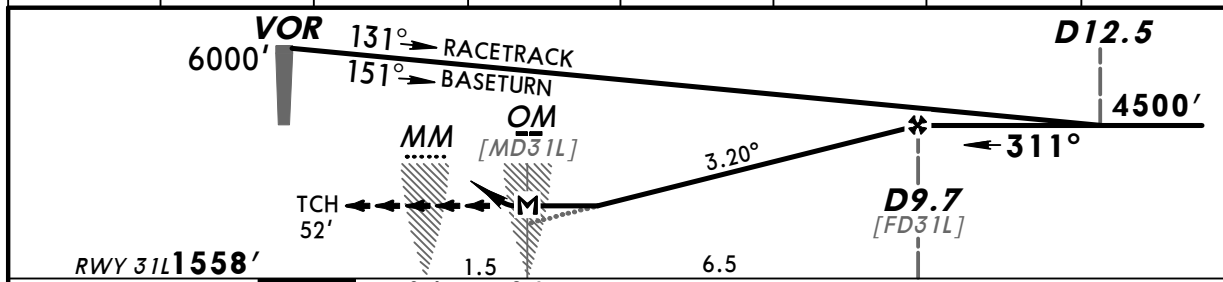
ATIS		TBILISI Approach		TBILISI Tower
132.8		134.6		128.0
VOR TBS 113.7	Final Apch Crs 311°	Minimum Alt D9.7 4500' (2942')	MDA(H) 2340' (782')	Apt Elev 1624' RWY1558'
MISSED APCH: Climb on 312° to 4900', then turn LEFT to VOR climbing to 6000', then then as directed by ATC.				
Alt Set: hPa	Rwy Elev: 56 hPa	Trans level: FL 90	Trans alt: 7600'	



MSA
NA NDB



TBS DME	3.0	4.0	5.0	6.0	7.0	8.0	9.0
ALTITUDE	2260'	2600'	2930'	3260'	3600'	3940'	4270'



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI	4900' ↑	TBS on 113.7 R-312
Descent Angle	3.20°	396	510	566	679	793			
D9.7 to MAP	6.5	5:34	4:20	3:54	3:15	2:47			

JAR-OPS		STRAIGHT-IN LANDING RWY 31L	
		Missed apch climb grad min 3.3%	
		MDA(H) 2340' (782')	
		ALS out	
A	RVR 1200m	RVR 1500m	
B	RVR 1400m		
C		RVR 2000m	
D	RVR 1800m		

PANS OPS