

Page 1  
Changed chart(s) since Disc 10-2010  
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

| ACT | PROCEDURE IDENT | INDEX | REV DATE | EFF DATE |
|-----|-----------------|-------|----------|----------|
|-----|-----------------|-------|----------|----------|

No revision activity since Disc 10-2010

# **TERMINAL CHART NOTAMs**

## **Chart NOTAMs for Airport UGTB**

**Type:** Terminal

**Effectivity:** Temporary

**Begin Date:** Immediately

**End Date:** Until Further Notice

Ufn ILS rwy 13R OM u/s.

**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.

**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 **127.2**Tbilisi Information **124.15****Notebook Info**

**UGTB/TBS**  
**TBILISI**

**JEPPESEN**

16 FEB 07

10-1R

**TBILISI, GEORGIA**

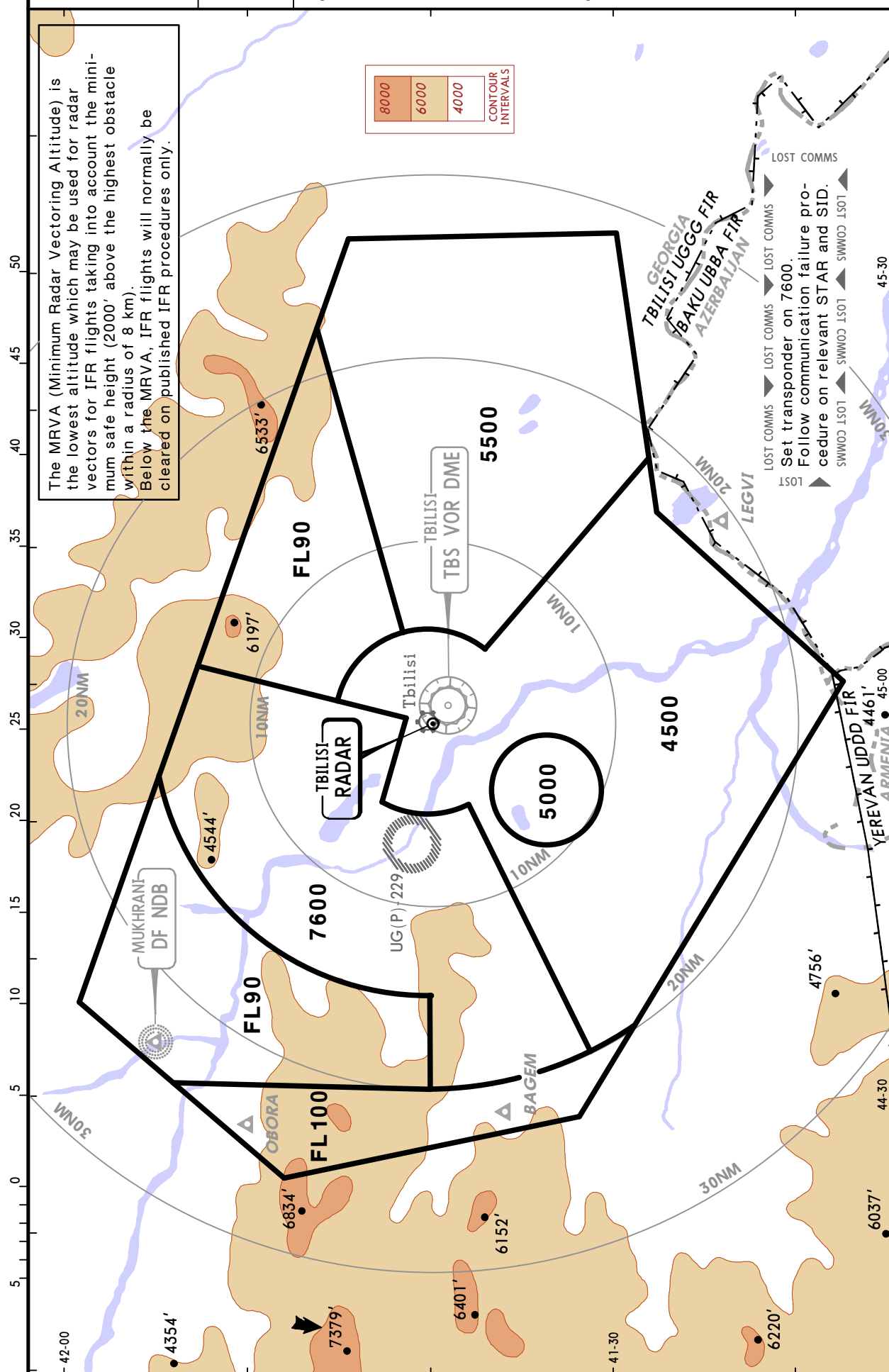
## RADAR MINIMUM ALTITUDES

TBILISI Approach (R)

*Apt Elev*  
**1624'**

Alt Set: hPa    Trans level: FL90    Trans alt: 7600'

The chart may only be used for cross-checking of altitudes assigned while under radar vectoring.



**CHANGES:** Sectors; restrictions.

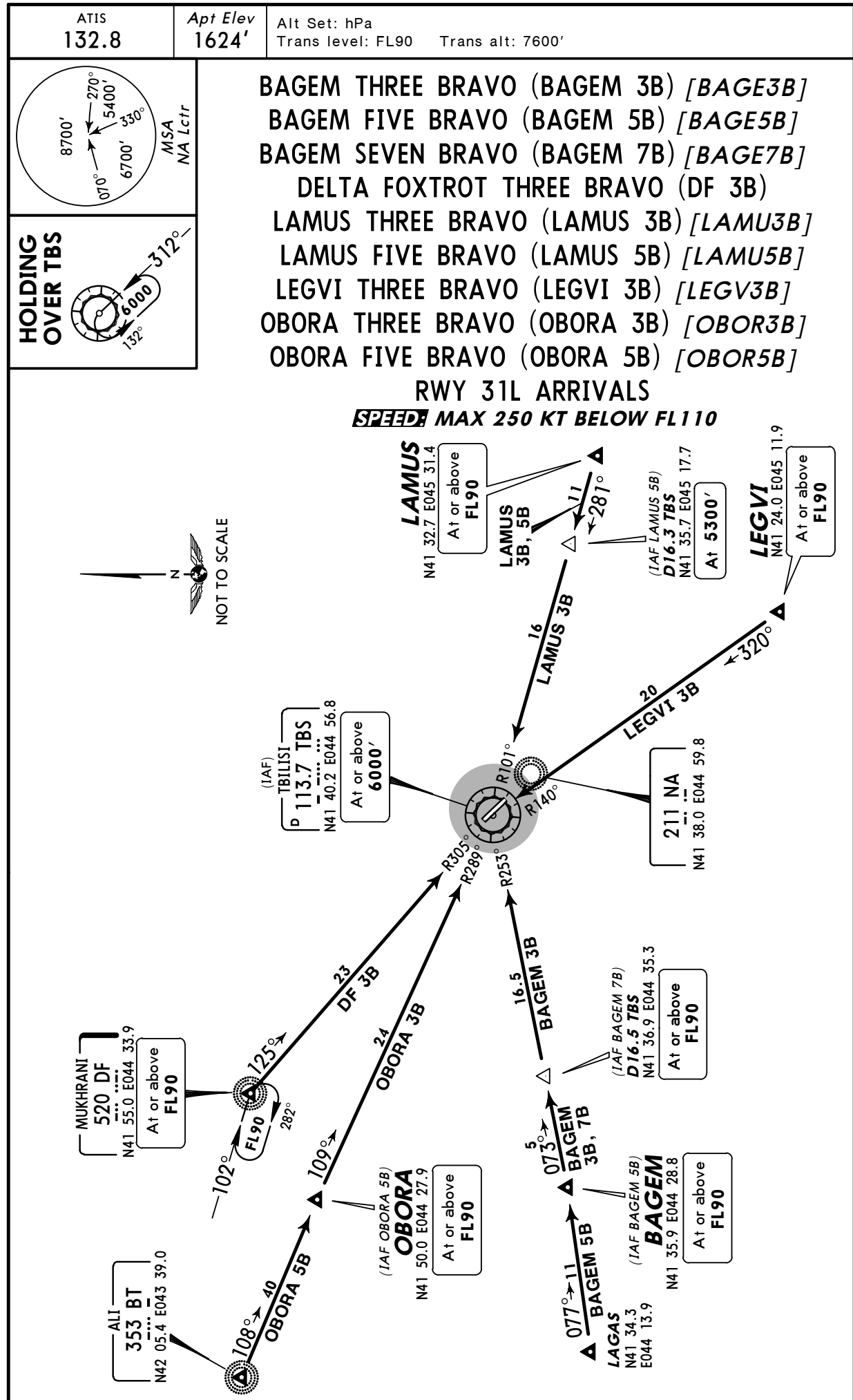
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**UGTB/TBS**  
**TBILISI**

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

**TBILISI, GEORGIA**

**STAR**

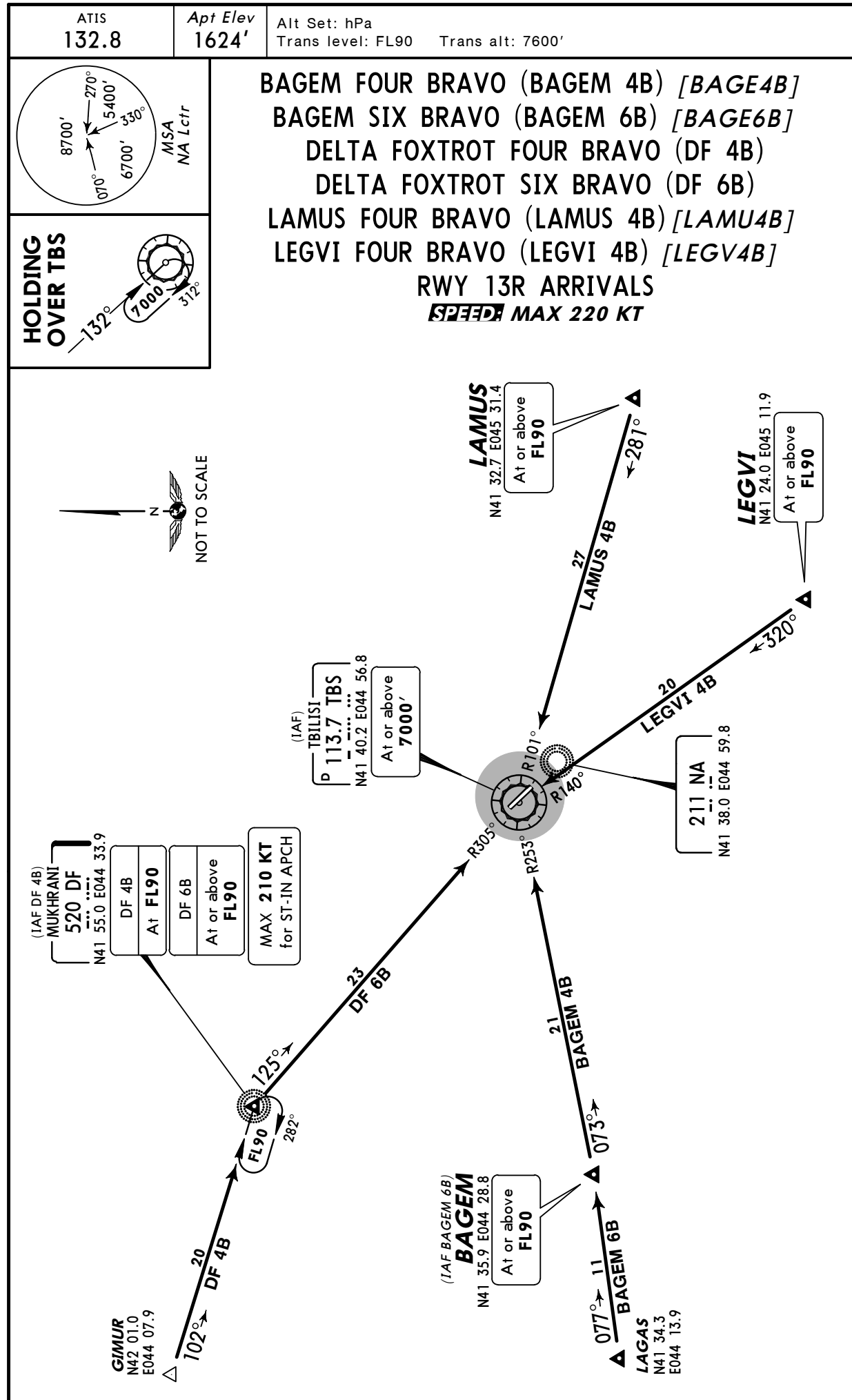


**UGTB/TBS**  
**TBILISI**

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

**TBILISI, GEORGIA**

**STAR**



**UGTB/TBS**  
**TBILISI**

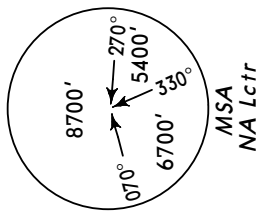
**JEPPESSEN**  
14 AUG 09 **10-3** **Eff 27 Aug**

**TBILISI, GEORGIA**

**SID**

Apt Elev  
**1624'**

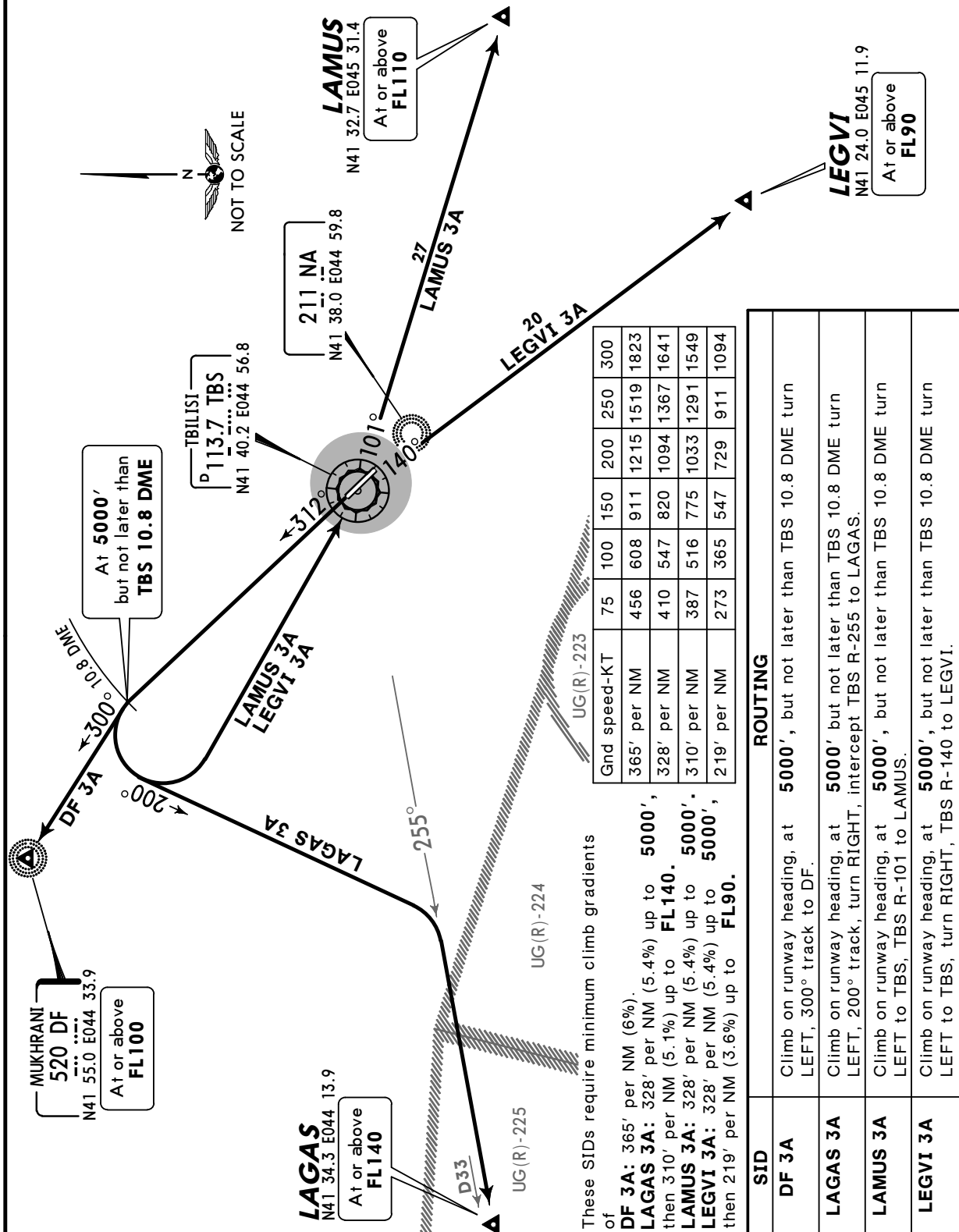
Trans level: FL90 Trans alt: 7600'  
Take-off to be carried out with noise abatement procedures according to Flight Operation Manual.



**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



**UGTB/TBS**  
**TBILISI**

**JEPPESSEN**  
14 AUG 09 (10-3A) 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 FOUR ALFA (DF 4A)  
DELTA FOXTROT SIX ALFA (DF 6A)  
LAGAS TWO ALFA (LAGAS 2A)[LAGA2A]  
LAMUS FOUR ALFA (LAMUS 4A)[LAMU4A]  
LAMUS SIX ALFA (LAMUS 6A)[LAMU6A]  
LEGVI TWO ALFA (LEGVI 2A)[LEGV2A]  
LEGVI SIX ALFA (LEGVI 6A)[LEGV6A]

RWY 13R DEPARTURES

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

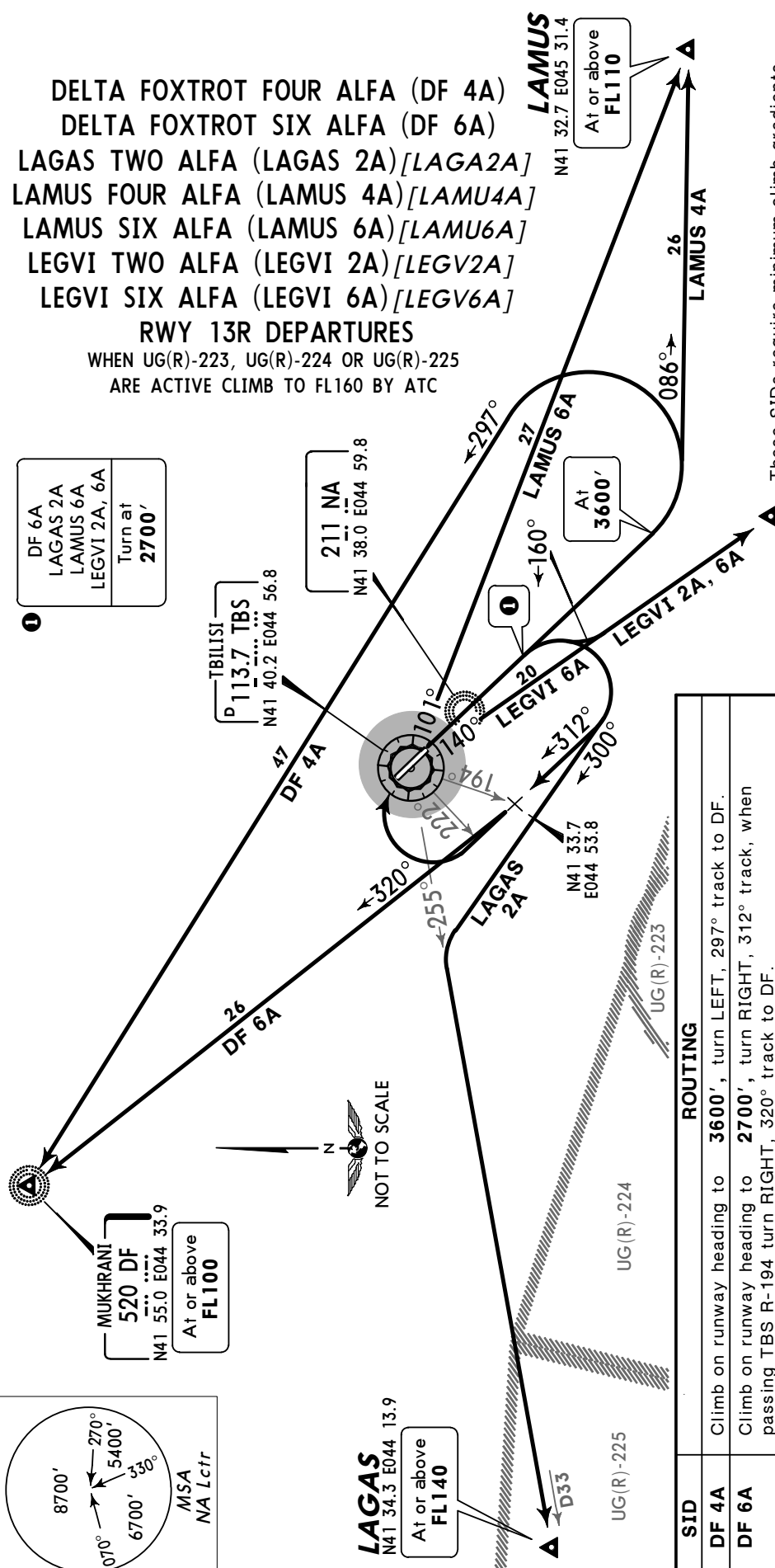
|                                               |                         |
|-----------------------------------------------|-------------------------|
| DF 6A<br>LAGAS 2A<br>LAMUS 6A<br>LEGVI 2A, 6A | Turn at<br><b>2700'</b> |
|-----------------------------------------------|-------------------------|

| Gnd. speed-KT | 75  | 100 | 150  | 200  | 250  | 300  |
|---------------|-----|-----|------|------|------|------|
| 413' per NM   | 516 | 689 | 1033 | 1377 | 1722 | 2066 |
| 365' per NM   | 456 | 608 | 911  | 1215 | 1519 | 1823 |
| 316' per NM   | 395 | 527 | 790  | 1053 | 1317 | 1580 |

These SiDs require minimum climb gradients of

|                  |                     |
|------------------|---------------------|
| <b>LAGAS 2A:</b> | 316' per NM (5.2%). |
| <b>LAMUS 4A:</b> | 365' per NM (6%).   |
| <b>LEGVI 2A:</b> | 413' per NM (6.8%). |

**LEGVI**  
N41 24.0 E045 11.9  
At or above  
**FL90**

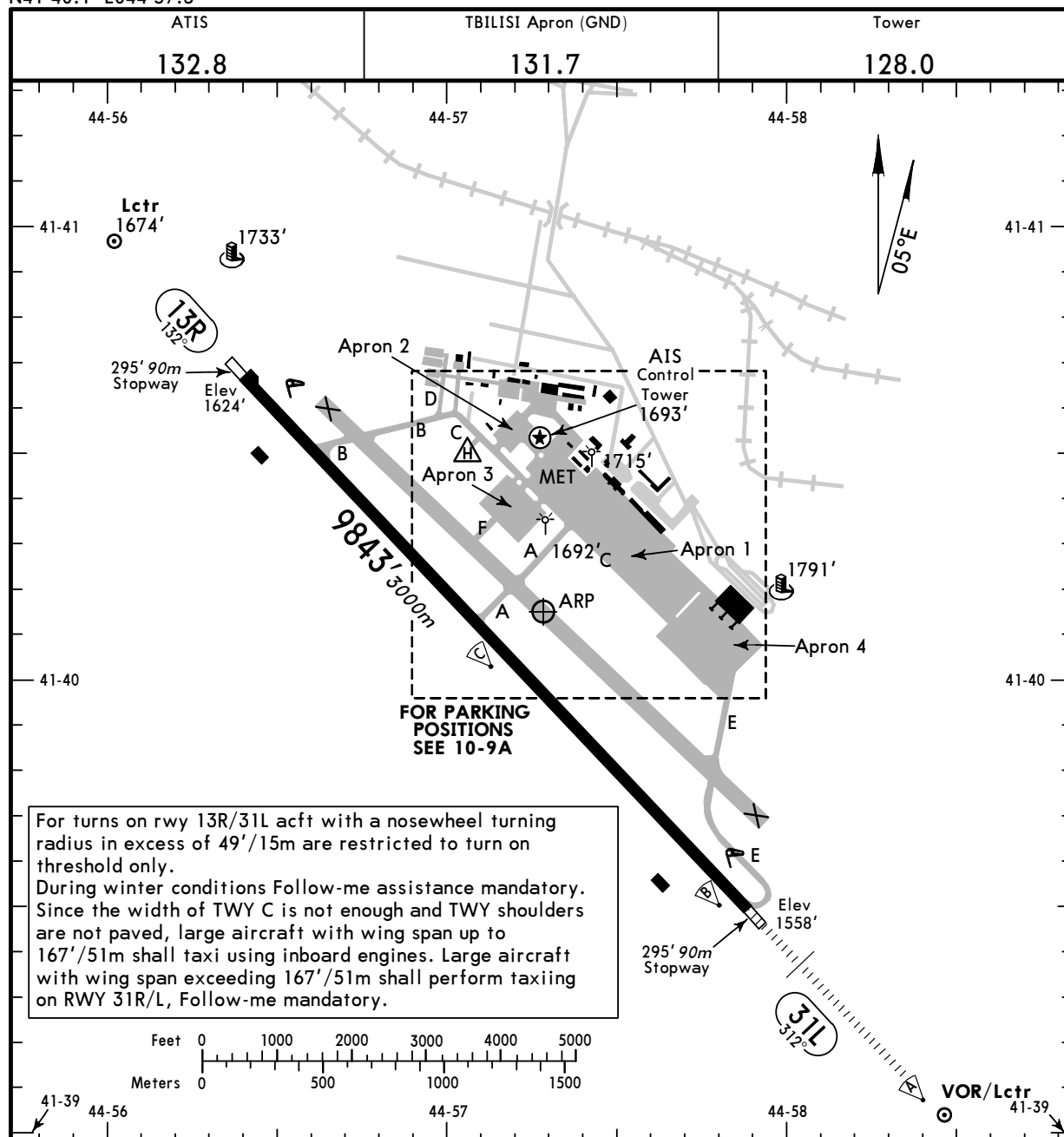


| SID             | ROUTING                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>DF 4A</b>    | Climb on runway heading to <b>3600'</b> , turn LEFT, 297° track to DF.                                                          |
| <b>DF 6A</b>    | Climb on runway heading to <b>2700'</b> , turn RIGHT, 312° track, when passing TBS R-194 turn RIGHT, 320° track to DF.          |
| <b>LAGAS 2A</b> | Climb on runway heading to <b>2700'</b> , turn RIGHT, 300° track, turn LEFT, intercept TBS R-255 to LAGAS.                      |
| <b>LAMUS 4A</b> | Climb on runway heading to <b>3600'</b> , turn LEFT, 086° track to LAMUS.                                                       |
| <b>LAMUS 6A</b> | Climb on runway heading to <b>2700'</b> , turn RIGHT, 312° track, when passing TBS R-222 turn RIGHT to TBS, TBS R-101 to LAMUS. |
| <b>LEGVI 2A</b> | Climb on runway heading to <b>2700'</b> , turn RIGHT, 160° track, intercept TBS R-140 to LEGVI.                                 |
| <b>LEGVI 6A</b> | Climb on runway heading to <b>2700'</b> , turn RIGHT, 312° track, when passing TBS R-222 turn RIGHT to TBS, TBS R-140 to LEGVI. |

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

**JEPPESSEN**  
3 JUL 09 **(10-9)**

**TBILISI, GEORGIA**  
TBILISI



| ADDITIONAL RUNWAY INFORMATION |                                              |     |                |                               |       |
|-------------------------------|----------------------------------------------|-----|----------------|-------------------------------|-------|
| RWY                           |                                              |     | USABLE LENGTHS |                               | WIDTH |
|                               |                                              |     | Threshold      | Landing Beyond<br>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   |
|                               |                                              |     |                |                               |       |
|                               |                                              |     |                |                               |       |

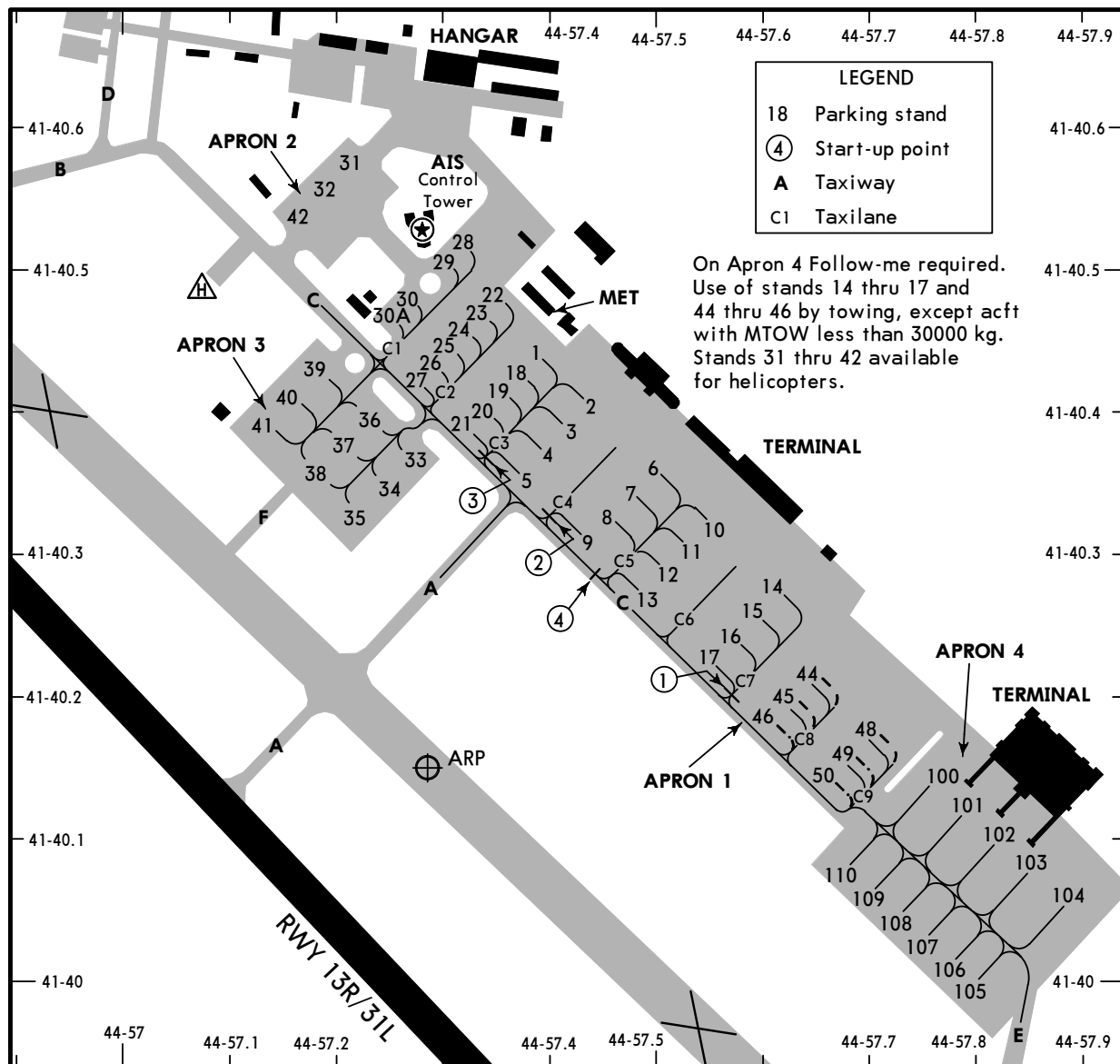
| JAR-OPS                                                                                                    |      | TAKE-OFF 1             |         |                       |                       |                |
|------------------------------------------------------------------------------------------------------------|------|------------------------|---------|-----------------------|-----------------------|----------------|
| All Rwys                                                                                                   |      |                        |         |                       |                       |                |
| Approved Operators                                                                                         |      | LVP must be in force   |         |                       |                       |                |
| HIRL, 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

**JEPPESEN**  
3 JUL 09 **10-9A**

**TBILISI, GEORGIA**

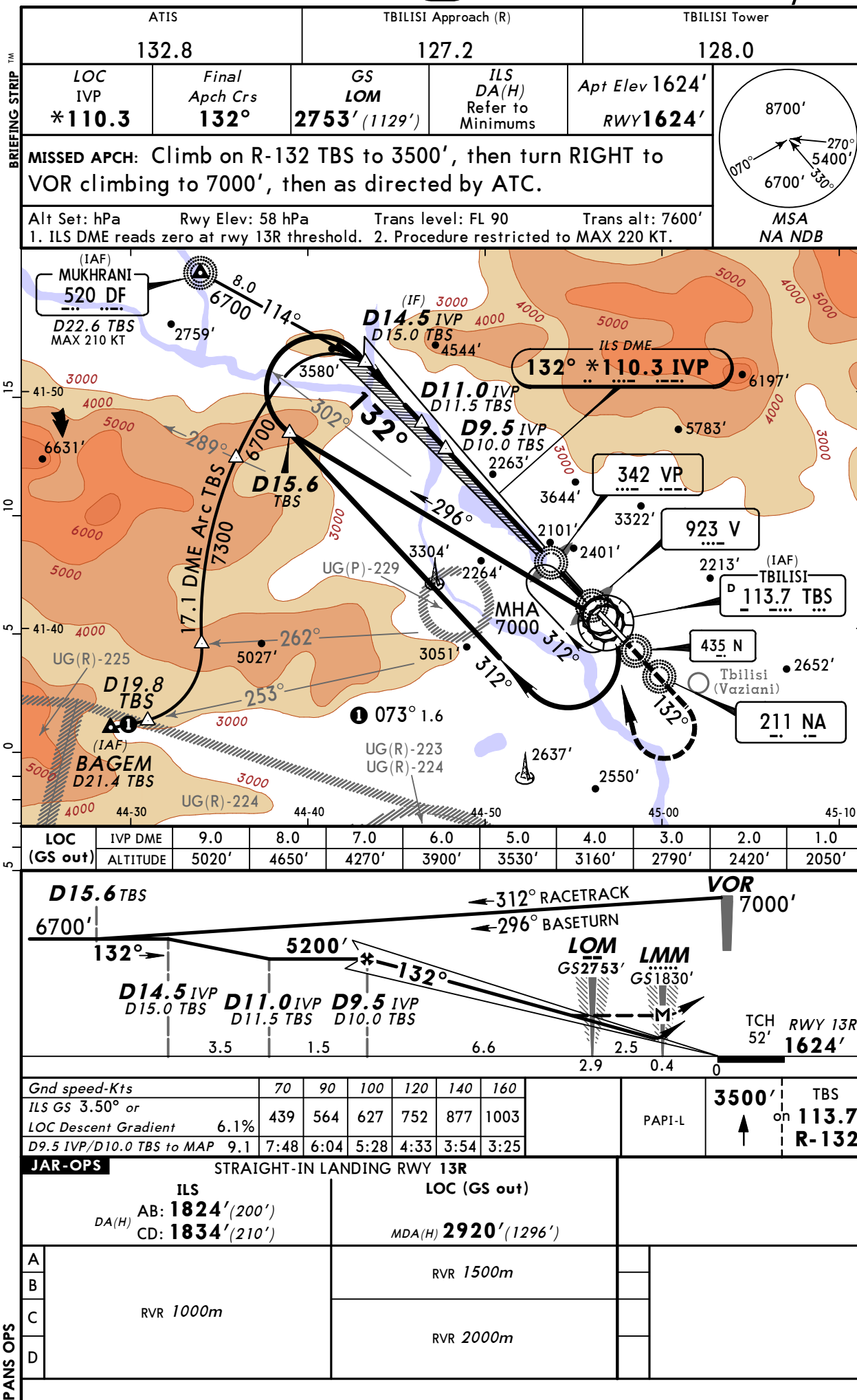
**TBILISI**



**UGTB/TBS**  
**TBILISI**

**JEPPESSEN**  
11 DEC 09 **11-1** Eff 17 Dec

**TBILISI, GEORGIA**  
**ILS DME Rwy 13R**



# UGTB/TBS TBILISI

**JEPPesen**  
11 DEC 09 **11-2** Eff 17 Dec

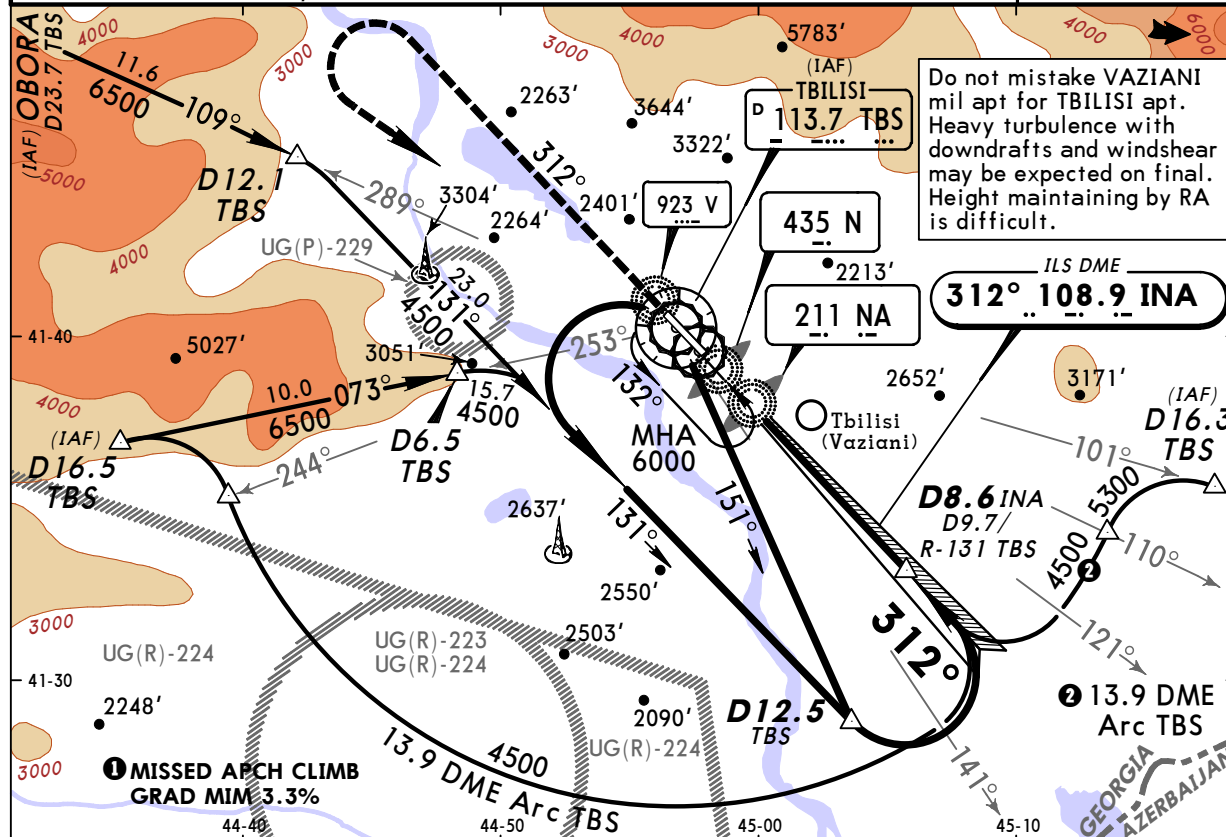
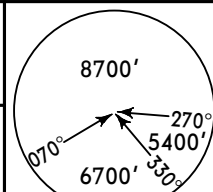
# TBILISI, GEORGIA ILS DME Rwy 31L

BRIEFING STRIP

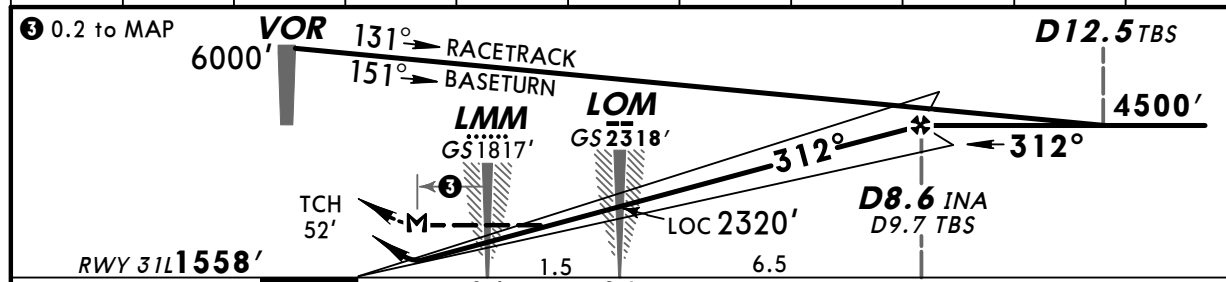
| ATIS                                                                                                             |                            | TBILISI Approach (R)      |                              | TBILISI Tower              |
|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|------------------------------|----------------------------|
| 132.8                                                                                                            |                            | 127.2                     |                              | 128.0                      |
| LOC<br>INA<br>108.9                                                                                              | Final<br>Aptch Crs<br>312° | GS<br>LOM<br>2318' (760') | ILS<br>DA(H)<br>1758' (200') | Apt Elev 1624'<br>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.                                                                         |                            |                           |                              |                            |

8700'  
270°  
5400'  
330°  
6700'  
070°

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<br>PAPI | 4900' on<br>↑<br>113.7<br>R-312 |
| ILS GS 3.20° or<br>LOC Descent Gradient 5.6% | 401 | 516  | 574  | 688  | 803  | 918  |               |                                 |
| D8.6 INA/D9.7 TBS to MAP                     | 8.2 | 7:02 | 5:28 | 4:55 | 4:06 | 3:31 |               |                                 |

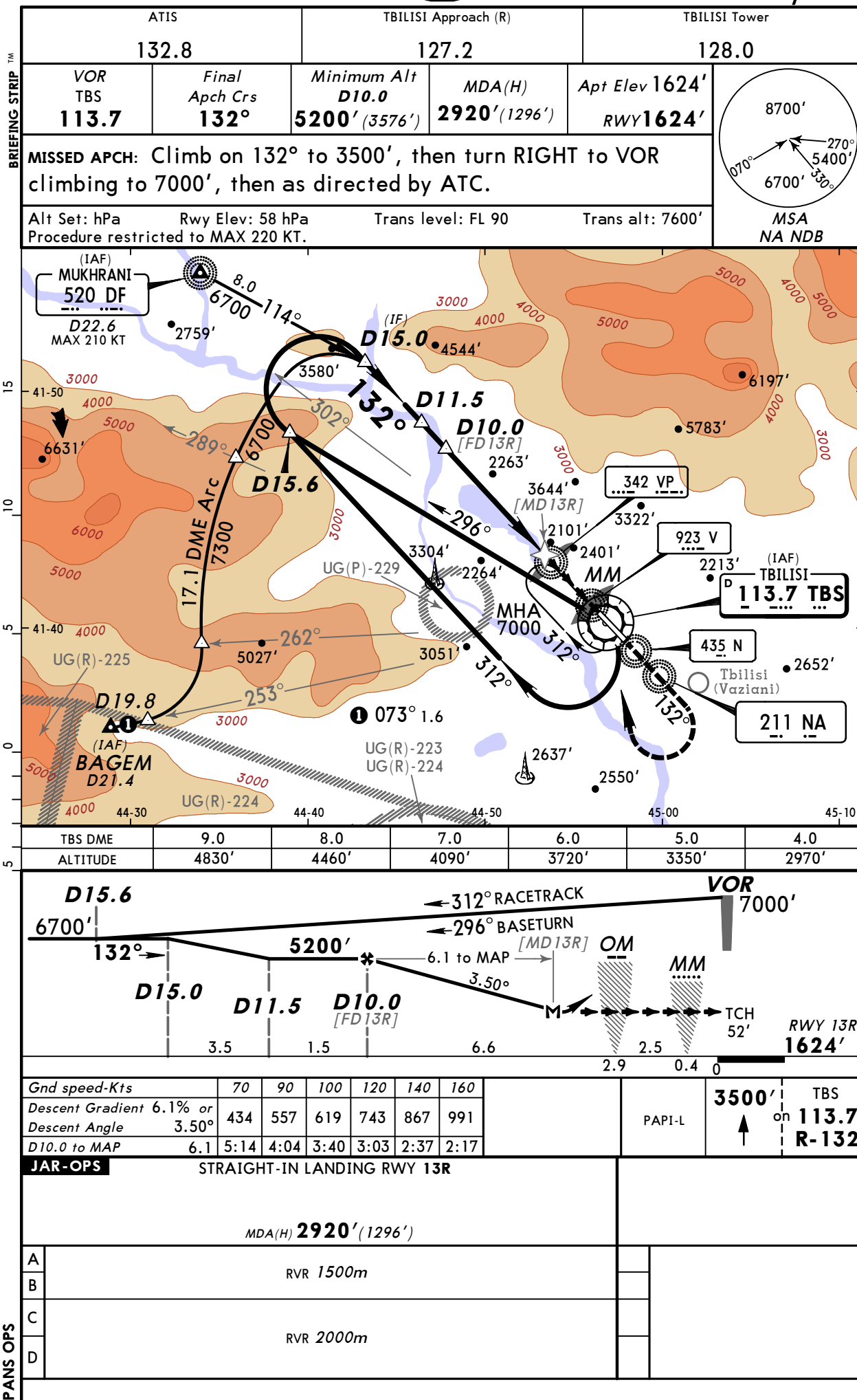
| JAR-OPS |          | STRAIGHT-IN LANDING RWY 31L     |           |                     |         |  |  |
|---------|----------|---------------------------------|-----------|---------------------|---------|--|--|
|         |          | Missed apch climb grad mim 3.3% |           |                     |         |  |  |
|         |          | 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 | RVR 2000m           |         |  |  |
| D       |          |                                 | RVR 1600m |                     |         |  |  |
|         |          |                                 |           |                     |         |  |  |

PANS OPS

**UGTB/TBS**  
**TBILISI**

**JEPPesen**  
11 DEC 09 **13-1** Eff 17 Dec

**TBILISI, GEORGIA**  
**VOR DME Rwy 13R**



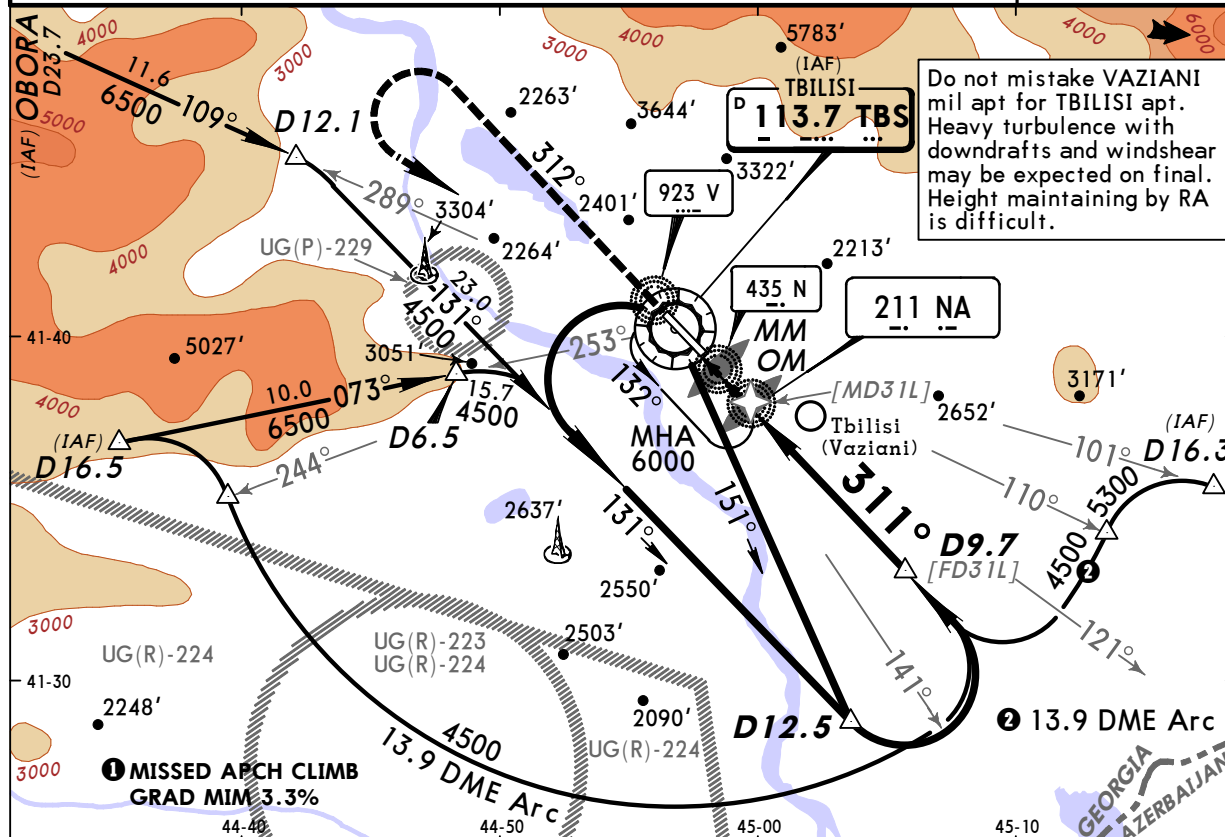
**UGTB/TBS**  
**TBILISI**

**JEPPesen**  
11 DEC 09 **13-2** Eff 17 Dec

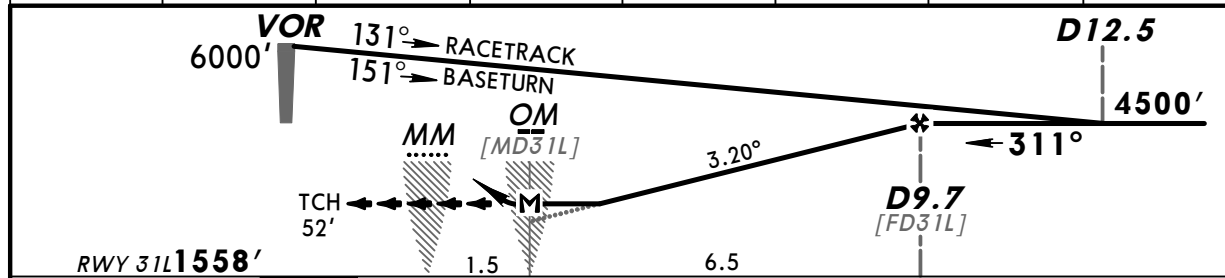
**TBILISI, GEORGIA**  
**VOR DME Rwy 31L**

BRIEFING STRIP

| ATIS                |                           | TBILISI Approach (R)                 |                        |                            | TBILISI Tower |
|---------------------|---------------------------|--------------------------------------|------------------------|----------------------------|---------------|
| 132.8               |                           | 127.2                                |                        |                            | 128.0         |
| VOR<br>TBS<br>113.7 | Final<br>Apch Crs<br>311° | Minimum Alt<br>D9.7<br>4500' (2942') | MDA(H)<br>2340' (782') | Apt Elev 1624'<br>RWY1558' |               |



| 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 |                |
|---------------------------|-----|------|------|------|------|------|-------|----------------|
| Descent Gradient 5.59% or |     |      |      |      |      |      | PAPI  |                |
| Descent Angle 3.20°       | 396 | 510  | 566  | 679  | 793  | 906  |       |                |
| D9.7 to MAP               | 6.5 | 5:34 | 4:20 | 3:54 | 3:15 | 2:47 | 2:26  | 4900' on 113.7 |

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

PANS OPS