

**STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO**

KALUGA, RUSSIA

GRABTSEVO

RWY 13

TRANSITION ALT: **5000'**
TRANSITION HGT: **(1330)**

**BAMDO 1F, OBARO 1F,
OBARO 1N, OTPAD 1F**

DME is required

2300'
(500)

MSA
MSH

46km from VORDME KLG

BAMDO
D51.7 KLG
54 40 10N 035 35 42E
FL070 or above

OBARO
D60.9 KLG
54 10 50N 035 40 57E
FL070 or above

KALUGA
114.0 KLG

3000' / (720) or above

2 MAX IAS 410km/h

OTPAD
D64.3 KLG
54 00 41N 036 42 59E
FL070 or above

CLOSE-IN OBSTACLES:

648' 648'
648' 648' DEPARTURE TRACK

RWY 31 THR 134° →

NOT TO SCALE

KALUGA TOWER 120.300

WARNING

There are close-in obstacles.

BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FEET
DISTANCES IN KILOMETRES

Alt set: -QNH(QFE on req);
-hPa(mm on req).

CHANGE: UUR214 withdrawn