

SERIES 1501 AIR SHEET NN 39-10 EDITION 1

- POPULATED PLACES**
- Over 100,000 **MOSKVA**
  - 50,000 to 100,000 **KLIMOVSK**
  - 10,000 to 50,000 **Dukhovno**
  - 2,000 to 10,000 **Kubinka**
  - Less than 2,000 **Dubny**

- ROADS**
- All weather, hard surface
    - More than two lanes wide **4 LANES**
    - Two lanes wide
    - One lane wide
  - All weather, loose or light surface
    - More than two lanes wide **3 LANES**
    - Two lanes wide
    - One lane wide
  - Fair or dry weather, loose surface
  - Cart track
  - Footpath, trail
  - Route marker

- RAILROADS**
- Normal gauge, single track 1.44m (4'8 1/2") Double track
  - Narrow gauge

- BOUNDARIES**
- International
  - First-order administrative

- OTHER FEATURES**
- Landmark feature or object, Church
  - Tank, Well, Fence
  - Mine or quarry

- VEGETATION**
- Woods: Orchard
  - Shelter belts
- HYDROGRAPHY**
- Land subject to inundation, Marsh or swamp
  - Intermittent streams: Single, Double line
  - Well: Perennial, Intermittent, Disappearing stream
  - Dam
  - Underground aqueduct with shafts
  - Small reservoir

**TERRAIN ELEVATIONS**

Spot elevation, normal critical **\*66 \*940**

HIGHEST KNOWN elevation is **1306** feet at the following coordinates:  
 Geographic: 52°23'N, 48°00'E  
 Grid: TUB608

- AERODROMES (Military or Civil)**
- Runway pattern known **EDNA/50/s 725**
  - EDNA-Name
  - 50-Length of longest runway to nearest hundreds of feet
  - S-Soft or unimproved surface
  - U-Unknown surface
  - 725-Elevation

- HELIPORT**
- RADIO FACILITIES**
- VOR VORTAC
  - TACAN VOR/DME
  - RADIO RANGE LF/MF
  - MULTIPLE RADIO FACILITIES
  - PARIS
- CONTROLLED AIRSPACE**
- ADIZ
  - CONUS ADIZ

- VISUAL AIDS AND OBSTRUCTIONS**
- Obstructions
    - 1108-Elevation of obstruction top, above sea level
    - (259)-Elevation of obstruction top, above ground level
    - Group obstruction
  - Radio facility obstruction
  - Power transmission line
  - Visual ground sign
  - Aero light; Marine light

**CAUTION**

Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

**CAUTION**

**AIR INFORMATION CURRENT THROUGH 20 JUNE 1997**

Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MDD (U.K.) Aeronautical Chart Amendment document for other chart revision information.

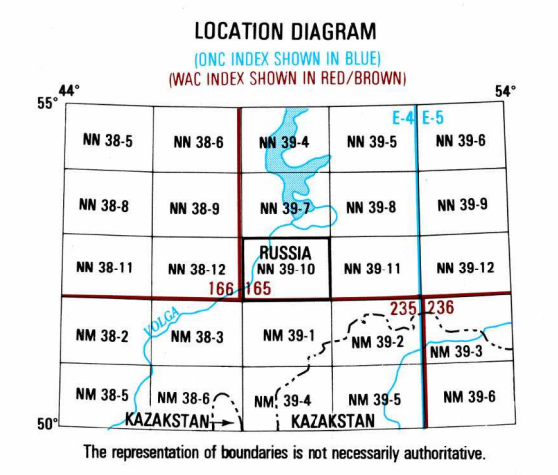
LINE OF EQUAL MAGNETIC VARIATION FOR 1995 (Annual rate of change, 1" increase)

**ATTENTION**

**THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)**

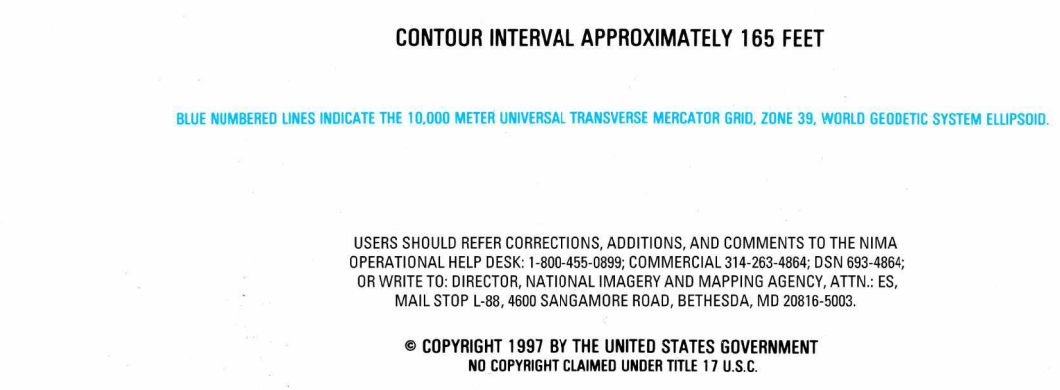
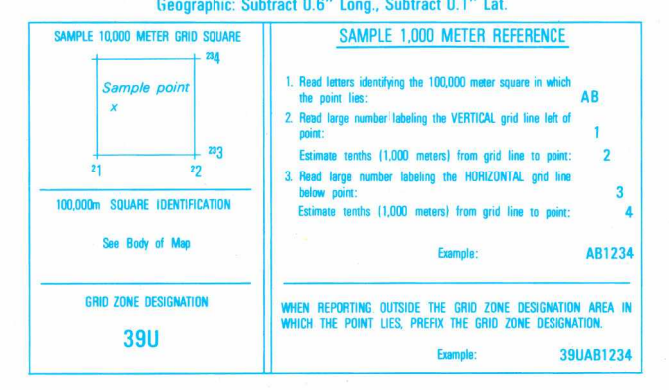
The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

EXAMPLE: 12,500 feet **125**



**CONVERSION OF ELEVATIONS**

FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	183	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1500	457
100	31	1000	305

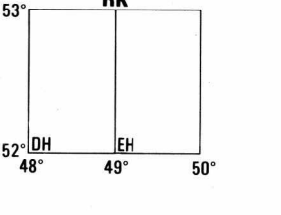


**JOINT OPERATIONS GRAPHIC (AIR)**

SCALE 1:250,000

Prepared and published by the National Imagery and Mapping Agency, Compiled October 1996.  
 MAP INFORMATION AS OF 1994

GEOREF BASIC 15° QUADRANGLE

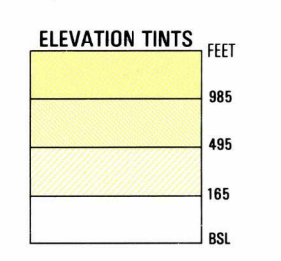


**NOTES**

Powerlines are shown except within populated place limits. Other obstructions are shown if they are 200 feet or more above ground level. See caution note.

On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width.

THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHENTICATIVE. NAMES AND BOUNDARIES OF ADMINISTRATIVE DIVISIONS IN RUSSIA ARE NOT AVAILABLE.



**RELIABILITY OF THIS GRAPHIC**

(As determined by standard practices)

**PLOTTING ACCURACY 90% ASSURANCE**

Horizontal: 425 feet  
 Contours: 165 feet  
 Date of information: 1994

Horizontal Datum: World Geodetic System  
 Vertical Datum: Mean Sea Level  
 Transverse Mercator Projection

**GLOSSARY**

- City
- Canal
- Discharge point
- Dike
- Shanty town
- Vodokanalizatsiya

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-852-0889; COMMERCIAL: 314-263-4894; DSN: 693-4884; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ICS, MAIL STOP L-86, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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