

SERIES 1501 AIR SHEET NN 44-7 EDITION 1

POPULATED PLACES
 Over 100,000 ALMATY
 50,000 to 100,000 BALDASH
 10,000 to 50,000 Tatarsk
 2,000 to 10,000 Grigor'yevka
 Less than 2,000 Samsy

ROADS
 Dual highway 4 LANES DUAL
 All weather, hard surface
 More than two lanes wide 3 LANES
 Two lanes wide
 One lane wide
 All weather, loose or light surface
 More than two lanes wide
 Two lanes wide
 One lane wide
 Fair or dry weather, loose surface
 Cart track
 Footpath, trail

RAILROADS
 Normal gauge, 5'11.52m
 Single track
 Multiple track
 Narrow gauge

BOUNDARIES
 International
 First-order administrative division

OTHER FEATURES
 Area name
 Mine or quarry
 Landmark feature or object
 School, Mosque, Church
 Disappearing stream
 Well, Spring or cistern
 Underground aqueduct with shaft, Kawi
 Well, Intermittent lake
 Swamp, Land subject to inundation
 Horizontal control point

VEGETATION
 Woods

TERRAIN ELEVATIONS
 Spot elevation, normal; critical
 HIGHEST KNOWN elevation is 830 feet at the following coordinates:
 Geographic 53°54'N, 80°02'E
 Grid M3873

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

HELIPORT/HELIPAD
 HELIPORT/HELIPAD AT HOSPITAL

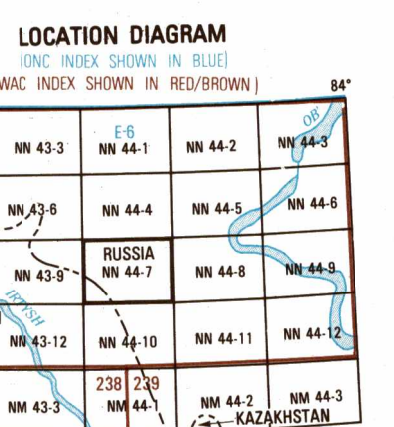
VISUAL AIDS AND OBSTRUCTIONS
 Obstruction 1100
 1100-Elevation of obstruction top, above sea level
 (250)-Elevation of obstruction top, above ground level
 Group obstruction
 Radio facility obstruction
 Power transmission line
 Visual ground sign
 Aero light; Marine light

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 12 MAY 1999
 Consult NOTAMS and Flight Information Publications for the latest air information; NIMA DDD Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

LINES OF EQUAL MAGNETIC VARIATION FOR 1995
 (Annual rate of change 2' 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: 12500 feet
125



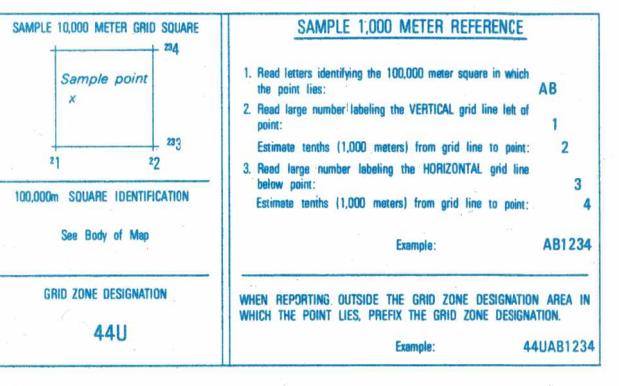
LIMITED DISTRIBUTION: Distribution authorized to DoD, IAW 10 U.S.C. 8130 & 455. Release authorized to U.S. DoD contractors IAW 48 C.F.R. 5252.245-7000. Refer other requests to Headquarters, NIMA, ATTN: Release Officer, Stop P-25. Destroy as "For Official Use Only." Removal of this caveat is prohibited.

SCALE 1:250,000
 KARASUK, RUSSIA; KAZAKHSTAN

SERIES 1501 AIR SHEET NN 44-7 EDITION 1

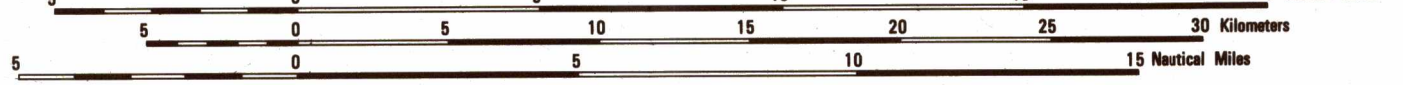
CONVERSION OF ELEVATIONS

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



CONTOUR INTERVAL APPROXIMATELY 85 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 44, WORLD GEODETIC SYSTEM ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO:
 (US USERS) NIMA CUSTOMER HELP DESK, 1-800-455-0899, COMMERCIAL 1-314-266-9022, DSN 486-9022, OR WRITE TO: ATTN: CDD, MAIL STOP P-32, NATIONAL IMAGERY AND MAPPING AGENCY, 4800 SANGARE ROAD, BETHESDA, MD 20814-5003
 (UK USERS) DIRECTORATE OF MILITARY SURVEY, MINISTRY OF DEFENCE, ELWOOD AVENUE, FELTHAM, MIDDLESEX TW13 7AH.

©COPYRIGHT 1999 BY THE UNITED STATES GOVERNMENT
 NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

GLOSSARY

Boloto marsh
 Kuy first-order administrative division
 Mpyr second-order administrative division
 Obshchaya pastukh grazing siding
 Oblast first-order administrative division
 Obyekt first-order administrative division
 Osvoyevy pastukh grazing siding
 Ozerny island
 Darny lake
 Polovostrov peninsula
 Raz'yed railway siding
 Samsy station

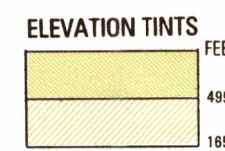
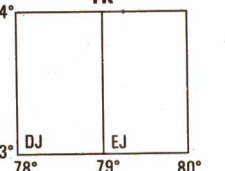
RELIABILITY OF THIS GRAPHIC
 (as determined by standard practices)

1995	1996	1995
Plotting Accuracy 90% Assurance		
Horizontal within 745 ft		
Vertical within 85 ft		

GRAPHIC FEATURE DATE OF INFORMATION
 All features See diagram

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

GEOREF BASIC 15° QUADRANGLE TK



NOTES

Powerlines are shown except within populated place tints.
 Obstructions are shown if they are 150 feet or more above ground level. See caution note.
 Road classification should be referred to with caution.
 A one lane road is from 8 to 15 feet (2.5 to less than 5.5 meters) wide. For road two or more lanes wide a lane is considered to be from 9 to 13 feet (2.7 to 4.1 meters) wide.
 Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.
 The reliability of vegetation information is undetermined.
 BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.
 DEPICTION OF INTERNATIONAL BOUNDARIES HAS CHANGED.
 ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

NIMA REF. NO. 1501ANN4407
 N5N 7641014641494
 ED. NO. 001