

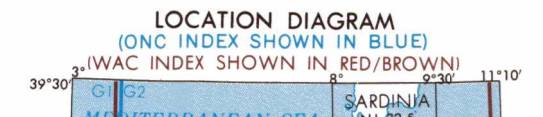
SERIES 1501 AIR  
SHEET NJ 32-13  
EDITION 3

- POPULATED PLACES / LIEUX HABITES**
- Over 100,000 ALGER
  - 50,000 to 100,000 SAFI
  - 10,000 to 50,000 SETTAT
  - 2,000 to 10,000 Tiflet
  - Less than 2,000 Oulmes
- ROADS / ROUTES**
- Dual highway / Autoroute
  - Three lanes / TROIS VOIES
  - All weather, hard surface, two or more lanes wide
  - All weather, loose or light surface, two or more lanes wide
  - All weather, hard surface, one lane wide
  - All weather, loose or light surface, one lane wide
  - Fair or dry weather, loose surface
  - Cart track, footpath, trail
  - Chemin d'exploitation, Sentier, piste
  - International, National, Secondary
  - International, National, Secondary
- RAILROADS / CHEMINS DE FER**
- Normal gauge 1.44m (48.5")
  - Single track / Voie unique
  - Multiple track / Voies multiples
- BOUNDARIES / LIMITES**
- International / Limite d'Etat
  - First order administrative
  - De division administrative principale
- VEGETATION / VEGETATION**
- Woods / Bois
  - Palm trees, Orchards, Palmiers, Vergers
- HYDROGRAPHY / HYDROGRAPHIE**
- Wells, Springs, Puits, Sources
  - Wrecks, Exposed, Submerged
  - Rocks, A fleur d'eau, Submergées
  - Limbs of Danger, Recifs
  - Wadi, Cours
  - Sabkha, Salétine
  - Foreshore flats, Rivières plats
  - Depth curves, Courbes bathymétriques
- TERRAIN ELEVATIONS / ALTITUDES DU TERRAIN**
- HIGHEST KNOWN elevation: 5673 feet at 36°00'N, 6°41'E
  - Le point culminant connu est 5673 pieds à 36°00'N 0°41'E
  - Spot elevations, normal, critical
  - Point coté, normal, critique
  - Following elevation value indicates accuracy is not within 100 feet
  - Suivant une valeur d'altitude indique une précision inférieure aux 100 pieds
- AERODROMES (Military or Civil)**
- EDNA/50%
  - Field limits with runway pattern
  - Limites du champ d'aviation, avec réseau des pistes
  - EDNA-Name / Désignation
  - 50-length of longest runway to nearest hundreds of feet
  - Longueur de la piste principale aux cent pieds près
  - Soil or unimproved surface / Surface molle ou non aménagée
  - Unknown surface / Surface inconnue
  - 725-Elevation / Altitude
  - Field limits, with runway pattern unknown
  - Limites du champ avec réseau des pistes inconnu
  - Field limits unknown, with runway pattern
  - Limites du champ inconnues, avec réseau des pistes
  - Field limits and runway pattern unknown
  - Limites du champ et réseau des pistes inconnues
- SEAPLANE BASE / BASE D'HYDRATIONS**
- SEAPLANE (EMERGENCY) / HYDRATIONS (SECOURS)
  - HELIPORT
- CONTROLLED AIRSPACE**
- ADIZ
  - VISUAL AIDS AND OBSTRUCTIONS / AIDES VISUELLES ET OBSTACLES
  - Obstruction / Obstacle
  - 1108-Elevation of obstruction top, above sea level
  - Altitude du sommet de l'obstacle au-dessus du niveau de la mer
  - 1209-Elevation of obstruction top, above ground level
  - Hauteur du sommet de l'obstacle au-dessus du niveau du sol
  - Group obstruction / Groupe d'obstacles
  - Radio facility obstruction / Obstacle d'installations radio
  - Power transmission line / Ligne de haute tension
  - Visual ground sign / Signe visuel sur sol
  - Aero light / Feu aéronautique

**CAUTION**  
AIR INFORMATION CURRENT THROUGH 16 JANUARY 1978  
Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MOD (U. K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1995 IS APPROXIMATELY 0°29' W OVER THE ENTIRE AREA  
(Annual rate of change is 6" (2mls) decrease)

**ATTENTION**  
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)  
The Maximum Elevation Figures shown in quadrangles bounded by solid 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.). In areas of extensive available relief, the MEF is shown by a note spaced across the area.  
**125**  
EXAMPLE: 12,500 feet



Prepared and published by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled December 1972.  
UTM Grid (WGS 84 Spheroid) added by Military Survey (UK), September 1994

SCALE 1:250,000  
CONSTANTINE, ALGERIA  
SERIES 1501 AIR  
SHEET NJ 32-13  
EDITION 3

**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
100	46	1000	437
100	31	1000	305

ELEVATIONS IN FEET  
ALTITUDES EN PIEDS  
DEPTHS IN FEET  
PROFONDEURS EN PIEDS

**JOINT OPERATIONS GRAPHIC (AIR)**

Scale 1:250,000  
5 10 15 20 25 30 Statute Miles  
5 10 15 20 25 30 Kilometers

USE THIS BOX FOR GIVING REFERENCES ON THE NORTH ALGERIA ZONE GRID

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
100	46	1000	437
100	31	1000	305

USE THIS BOX FOR GIVING REFERENCES ON THE UTM GRID

UTM GRID	UTM GRID
<p>1. Read letters identifying the 100,000 meter square in which the point lies.</p> <p>2. Read large number showing the VERTICAL grid line left of point.</p> <p>3. Read large number showing the HORIZONTAL grid line below point.</p> <p>4. Read large number showing the HORIZONTAL grid line to the right of point.</p> <p>5. Read large number showing the VERTICAL grid line to the right of point.</p>	<p>1. Read letters identifying the 100,000 meter square in which the point lies.</p> <p>2. Read large number showing the VERTICAL grid line left of point.</p> <p>3. Read large number showing the HORIZONTAL grid line below point.</p> <p>4. Read large number showing the HORIZONTAL grid line to the right of point.</p> <p>5. Read large number showing the VERTICAL grid line to the right of point.</p>

CONTOUR INTERVAL APPROXIMATELY 330 FEET WITH SUPPLEMENTARY CONTOURS AT 165 FOOT INTERVALS.

EQUIDISTANCE DES COURBES DE NIVEAU 330 PIEDS ENVIRON AVEC DES COURBES INTERCALAIRES DE 165 PIEDS.

PURPLE NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 32, WGS 84 SPHEROID.

LES LIGNES CHIFFRÉES EN VIOLETTE CORRESPONDENT AU QUADRILLAGE UNIVERSAL TRANSMÉRIQUE UTM FUSÉAU 32, ÉLLIPSOÏDE WGS 84.

BLUE NUMBERED TICKS INDICATE THE 10,000 METRE PHENIX LAMBERT GRID, NORTH ALGERIA ZONE, CLARKE 1880 SPHEROID.

LES AMARQUES CHIFFRÉES EN BLEU CORRESPONDENT AU QUADRILLAGE MÉTRIQUE LAMBERT-NORD ALGÈRE, ÉLLIPSOÏDE DE CLARKE 1880.

USERS SHOULD REFER CORRECTIONS, ADDITIONS AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 809-4864; OR WRITE TO: DIRECTOR, NATIONAL MAPS AND MAPPING AGENCY, ATTN: ES, MAIL STOP L-86, 4000 SANGAMORE ROAD, BETHESDA, MD 20815-0003

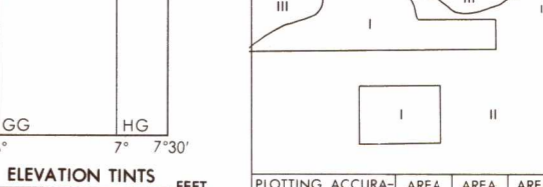
ELEVATIONS IN FEET  
ALTITUDES EN PIEDS  
DEPTHS IN FEET  
PROFONDEURS EN PIEDS

GLOSSARY—GLOSSAIRE

- Allé spring / source
- Châlet hill / colline
- Djebel mountain / montagne
- kef cliff / falaise
- Ga'raet lake / lac
- Mechtat, Mechtat village / village
- Monts mountains / montagnes
- Oued, Ouled stream / ruisseau
- Qasr point / pointe

Names for symbolized populated places are omitted where information is not available or where density of detail does not permit inclusion.  
La toponymie des agglomérations symbolisées est supprimée là où les renseignements ne sont pas disponibles ou la densité des détails n'en permet pas l'inclusion.

RELIABILITY OF THIS GRAPHIC (as determined by standard practice)



PLOTTING ACCURACY 90% ASSURANCE	AREA I	AREA II	AREA III
Horizontal	within 425 ft (130 m)	within 750 ft (230 m)	within 1625 ft (500 m)
Vertical	within 1625 ft (500 m)	within 750 ft (230 m)	within 425 ft (130 m)

GRAPHIC FEATURE DATE OF INFORMATION  
AREA I AREA II AREA III  
Main-made features: 1972 1972 1972  
Hydrography: 1972 1972 1972  
Vegetation: 1966 1962 1962

Horizontal Datum: Voirel Datum  
Vertical Datum: Mean Sea Level  
Transverse Mercator Projection

NOTES—NOTES  
Only obstructions 200 feet or more above ground level are shown. The information on obstructions is not necessarily complete. Seuls les obstacles de 200 pieds ou plus hors sol sont signalés. Les renseignements sur les obstacles ne sont pas toujours complets.  
CAUTION: Power transmission line information on this sheet is incomplete. Position and alignment of these shown are approximate. A line is generally considered as being a minimum of 2.5 meters (8 ft.) in width.  
Une voie est ordinairement définie comme ayant une largeur minimum 2,5 mètres (8 pieds).  
THE REPRESENTATION OF INTERNATIONAL BOUNDARIES ON THIS GRAPHIC IS NOT NECESSARILY AUTHORITY.  
LA REPRÉSENTATION DE LIMITES D'ÉTAT SUR CE GRAPHIQUE N'EST PAS NECESSAIREMENT AUTHORITY.

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