SERIES 1501 AIR
SHEET NF 33-1
EDITION 1

POPULATED PLACES
Over 100,000 — CAIRO
50,000 to 100,000 — NYALA
10,000 to 50,000 — Sarh
2,000 to 10,000 — Shandi
Less than 2,000 — Marawi

ROADS
Dual highway — 4 LANES DUAL
All weather, hard surface — 4 LANES
More than two lanes wide
Two lanes wide
One lane wide
All weather, loose or light surface — 4 LANES
More than two lanes wide
Two lanes wide
One lane wide
Fair or dry weather, loose surface
Cart track
Footpath, trail
Route marker — 95

RAILROADS
Normal gauge, single track 1.44m(4'8½"); Double track
Narrow gauge

BOUNDARIES
International
First-order administrative division

OTHER FEATURES
Area name — GÂRET
Mine or quarry
School; Landmark feature
Mosque; Church
Fence
Well: Perennial, Intermittent; Spring
Single line perennial stream
Single line intermittent stream
Double line perennial stream; Wadi
Sabkha or Dry lake; Intermittent lake
Marsh or swamp; Land subject to innundation
Cliff: Greater than interval, Less than interval
Mound; Levee
Horizontal control point
Sand mounds; Distorted surface
Sand, flat or rolling; Ripple dunes
Crescent dunes; Lateral dunes

VEGETATION
Woods, brushwood; Scattered trees — NONE
Plantation, orchard; Tropical grass — NONE

HYDROGRAPHY
Rocks, uncovering or awash
Exposed wreck
Limit of danger; Reef
Foreshore flat
Depth curve

TERRAIN ELEVATIONS
Spot elevation: Normal; Critical — 2168 2684
HIGHEST KNOWN elevation is 3350 feet at the following coordinates:
Geographic — 23°37'N, 12°00'E
Grid — SG9316
± following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)
Runway pattern known
Name /length /surface — EDNA /50 /s
Elevation — 725
Field limits and runway pattern unknown
HELIPORT / HELIPAD; AT HOSPITAL — H H

RADIO FACILITIES
VOR, VORTAC
TACAN, VOR /DME
RADIO RANGE LF /MF — RNG HURN
MULTIPLE RADIO FACILITIES — NDB RNG PARIS

CONTROLLED AIRSPACE
ADIZ — ATLANTIC ADIZ

VISUAL AIDS AND OBSTRUCTIONS
Obstruction — 1108 (260)
1108 – Elevation of obstruction top, above sea level.
(260) – Elevation of obstruction top, above ground level.
Group obstruction
Radio facility obstruction
Power transmission line
Visual ground sign — M
Aero light; Marine light

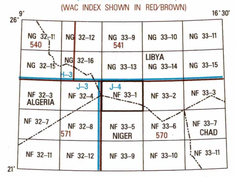
CAUTION
Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH
10 AUGUST 1992
Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MOD (U. K.) Aeronautical Chart Amendment document, for other chart revision information.

LINES OF EQUAL MAGNETIC VARIATION FOR 1990
(Annual rate of change 5' decrease)

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 12 5

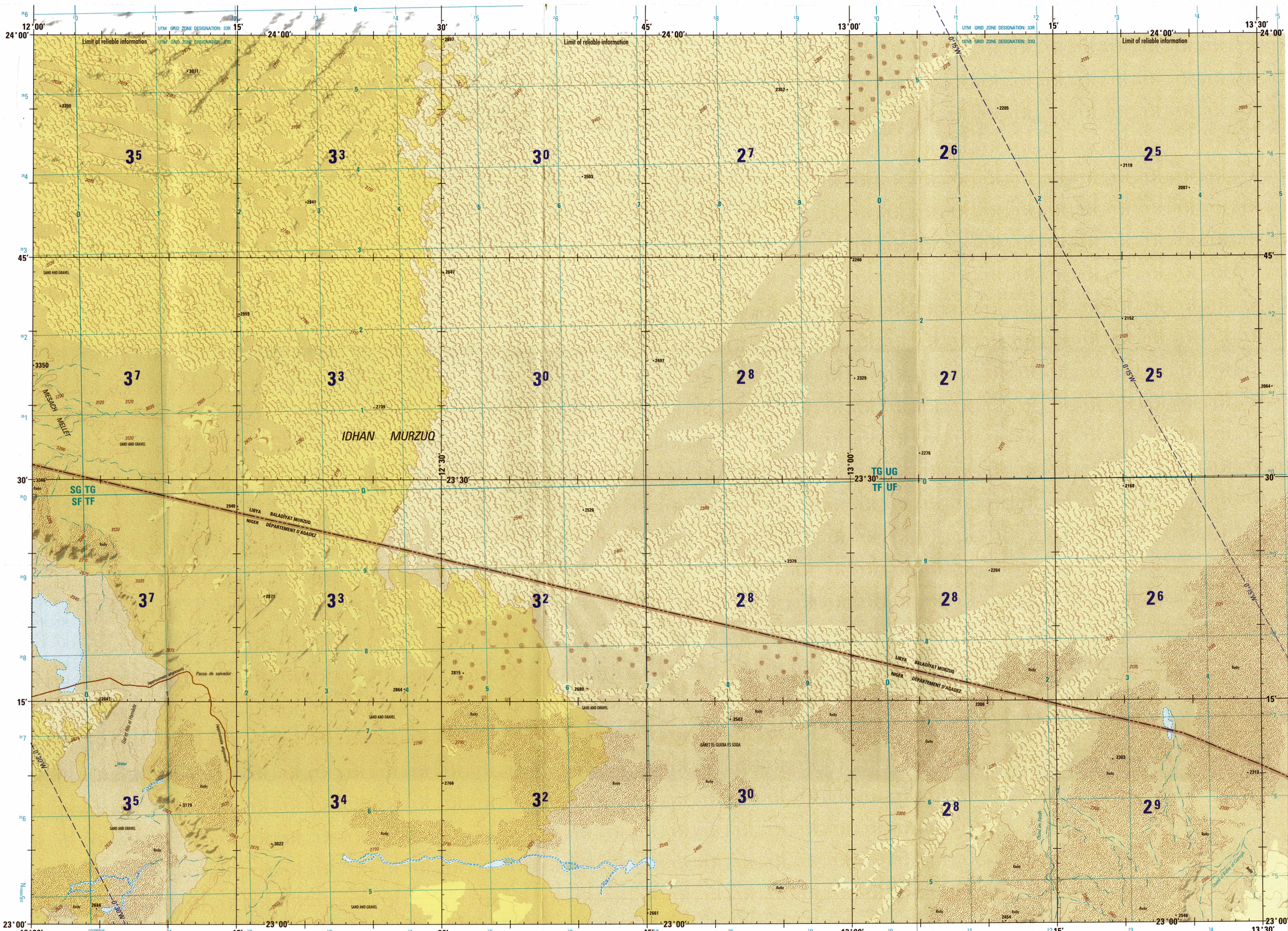
LOCATION DIAGRAM
(ONC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED/BROWN)



LIMITED DISTRIBUTION Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD contractors, IAW 48 C.F.R. §252.245-7000. Refer other requests to Headquarters, NIMA, ATTN: Release Officer, Stop P-35. Destroy as "For Official Use Only." Removal of this caveat is prohibited.

SCALE 1:250,000
PASSE DE SALVADOR, NIGER; LIBYA

SERIES 1501 AIR
SHEET NF 33-1
EDITION 1



Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri.
Compiled February, 1992.

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
900	274	10000	3048
800	244	9000	2743
700	213	8000	2438
600	183	7000	2134
500	152	6000	1829
400	122	5000	1524
300	91	4000	1219
200	61	3000	914
100	31	2000	610
50	15	1500	457
0	0	1000	305

SAMPLE 10,000 METER GRID SQUARE
100,000m SQUARE IDENTIFICATION
See Body of Map
GRID ZONE DESIGNATION
33Q

SAMPLE 1,000 METER REFERENCE
1. Read letters identifying the 100,000 meter square in which the point lies: TG
2. Read large number labeling the VERTICAL grid line left of point: 1
Estimate tenths (1,000 meters) from grid line to point: 2
3. Read large number labeling the HORIZONTAL grid line below point: 3
Estimate tenths (1,000 meters) from grid line to point: 4
Example: TG1234
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 33QTG1234

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometers
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 85 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 33, WORLD GEODETIC SYSTEM ELLIPSOID 1984.

GLOSSARY
Baladiyat ..... first order administrative division
Département ..... first order administrative division
Gar'et ..... depression
Idhan ..... desert
Oued ..... wadi
Passe ..... pass

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-5032; DSN 490-5032; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: CDO, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

GEOREF
BASIC 15° QUADRANGLE
NH
24° 12° 13° 13°30' 23° NJ PJ

ELEVATION TINTS
FEET
2625
860

RELIABILITY OF THIS GRAPHIC
(as determined by standard practice)

PLOTTING ACCURACY 90% ASSURANCE	AREA I	AREA II	AREA III
Horizontal	within 425 ft.	within 425 ft.	
Contours	85 ft.	85 ft.	

GRAPHIC FEATURE	DATE OF INFORMATION AREA I	AREA II	AREA III
Contours	1992	1992	
All other features	1988	1989	

Road information not verified.
Graphic not field checked.

HORIZONTAL DATUM: WORLD GEODETIC SYSTEM
VERTICAL DATUM: MEAN SEA LEVEL
TRANSVERSE MERCATOR PROJECTION

NOTES
No obstructions 200 feet or more above ground level are known to exist in this area.
On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width.
Road classification should be referred to with caution.
The representation of boundaries is not necessarily authoritative.

Reprinted by NIMA 6-00

NSN 7641014098994
NIMA REF. NO. 1501ANF3301
ED. NO. 001