

SERIES 1501 AIR SHEET NF 33-3 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	Misawi

**ROADS**

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

**RAILROADS**

Normal gauge, single track 1.44m(4'8 1/2"); Double track	4 LANES
Narrow gauge	4 LANES

**BOUNDARIES**

International	4 LANES
First-order administrative division	4 LANES

**OTHER FEATURES**

Area name	4 LANES
Mine or quarry	4 LANES
School; Landmark feature	4 LANES
Mosque; Church	4 LANES
Fence	4 LANES
Well; Perennial, intermittent; Spring	4 LANES
Single line perennial stream	4 LANES
Single line intermittent stream	4 LANES
Double line perennial stream; Wadi	4 LANES
Cable or Dry lake; Intermittent lake	4 LANES
Marsh or swamp; Land subject to inundation	4 LANES
Cliff; Greater than interval, Less than interval	4 LANES
Pinnacle; Levee	4 LANES
Horizontal control point	4 LANES
Sand; Distorted surface	4 LANES
Sand mounds; Rippel dunes	4 LANES
Crescent dunes; Transverse dunes	4 LANES
Lateral dune	4 LANES

**VEGETATION**

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

**HYDROGRAPHY**

Rocks, uncovering or awash	4 LANES
Exposed wreck	4 LANES
Limit of danger; Reef	4 LANES
Foreshore flat	4 LANES
Depth curve	4 LANES

**TERRAIN ELEVATIONS**

Spot elevation: Normal; Critical	646 * 1273
HIGHEST KNOWN elevation is 3583 feet at the following coordinates:	
Geographic	23° 06' N, 15° 13' E
Grid	WG XG 600, WF XF 725
± following elevation value indicates accuracy is not within 100 feet	

**AERODROMES (Military or Civil)**

Runway pattern known	4 LANES
Name / length / surface	EDNA / 50 / s
Elevation	725
Field limits and runway pattern unknown	4 LANES

**HELIPORT / HELIPAD; AT HOSPITAL**

HELIPORT / HELIPAD; AT HOSPITAL	4 LANES
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**RADIO FACILITIES**

VOR; VORTAC	4 LANES
TACAN; VOR / DME	4 LANES
RADIO RANGE LF / MF	4 LANES
MULTIPLE RADIO FACILITIES	4 LANES

**CONTROLLED AIRSPACE**

ATLANTIC ADIZ	4 LANES
ADIZ	4 LANES

**VISUAL AIDS AND OBSTRUCTIONS**

Obstruction	1108
1108 - Elevation of obstruction top, above sea level	
(260) - Elevation of obstruction top, above ground level	
Group obstruction	4 LANES
Radio facility obstruction	4 LANES
Power transmission line	4 LANES
Visual ground sign	4 LANES
Aero light; Marine light	4 LANES

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 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.

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 0° EASTERLY OVER THE ENTIRE AREA (Annual rate of change 4' 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 features in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).  
EXAMPLE: 12,500 feet  
**125**

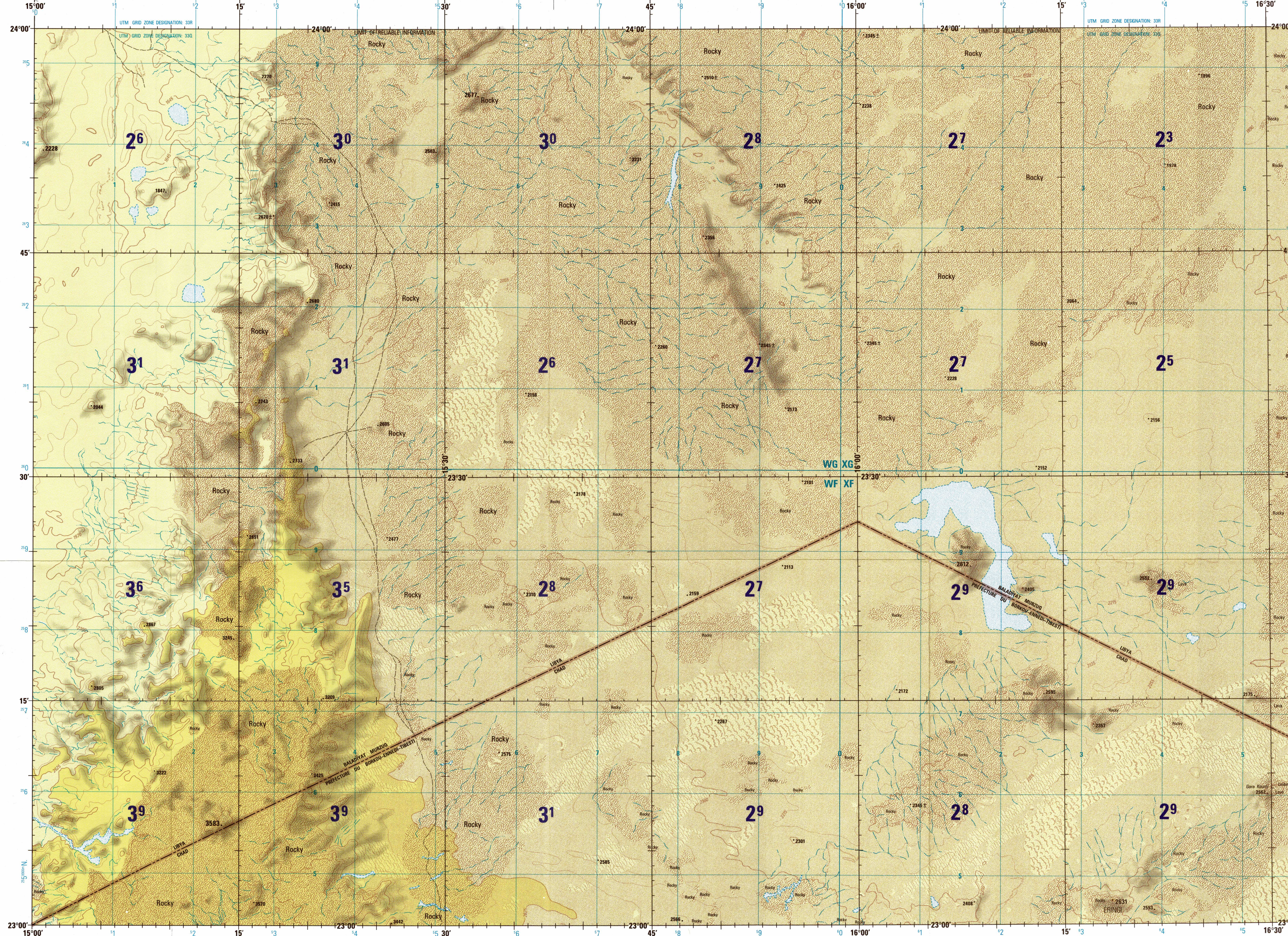
**LOCATION DIAGRAM**  
(ENC INDEX SHOWN IN BLUE)  
(WAC INDEX SHOWN IN RED/BROWN)

NG 33-9	NG 33-10	NG 33-11	NG 33-12	NG 34-9
NG 33-13	LIBYA	NG 33-15	NG 33-16	NG 34-13
ALGERIA	NE 33-1	NE 33-2	NE 33-3	NE 34-1
NE 33-5	NE 33-6	NE 33-7	NE 33-8	NE 34-5
NE 33-9	NIGER	NE 33-10	NE 33-11	NE 34-9
	CHAD			

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**SCALE 1:250,000**  
GARA KOURNI, CHAD; LIBYA

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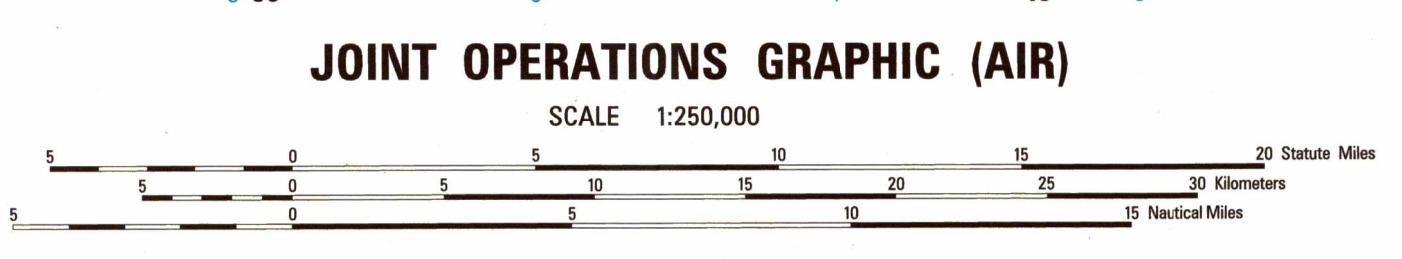


**CONVERSION OF ELEVATIONS**

FEET	METERS
800	274
1000	304.8
2000	609.6
3000	914.4
4000	1219.2
5000	1524.0
6000	1828.8
7000	2133.6
8000	2438.4
9000	2743.2
10000	3048.0
11000	3352.8
12000	3657.6
13000	3962.4
14000	4267.2
15000	4572.0
16000	4876.8
17000	5181.6
18000	5486.4
19000	5791.2
20000	6096.0

**SAMPLE 1000 METER REFERENCE**

1. Road letters identifying the 100,000 meter square in which the point lies: WG	
2. Road large number showing the VERTICAL grid line left of point: 15	
3. Road large number showing the HORIZONTAL grid line below point: 2	
4. Estimate meters (0,000 meters from grid line to point):	
Example: WG1234	
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.	
Example: 33QWG1234	

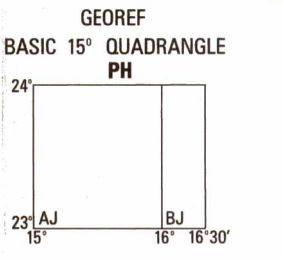


BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 31, WORLD GEODETIC SYSTEM ELLIPSOID 1984.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NMMA CUSTOMER HELP DESK 1-800-405-0866; COMMERCIAL 244-300-5022; DOD 480-5022; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDO, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20815-5003.

**GLOSSARY**

Baladlyt	... first-order administrative division
Gara	... hill
Prefecture	... first-order administrative division



**ELEVATION TINTS**

FEET	TINT
2625	
660	

**RELIABILITY OF THIS GRAPHIC**  
(as determined by standard practice)

PLOTING ACCURACY 90% ASSURANCE	AREA	
	I	II
Horizontal	within 425 ft. 425 ft.	within 85 ft. 50 ft.
Contours	DATE OF INFORMATION	
GRAPHIC FEATURE	AREA I	AREA II
Man-made features...	1992	1992
Vegetation	1992	1992
Contours	1989	1992
All other features...	1992	1992

HORIZONTAL DATUM: WORLD GEODETIC SYSTEM 1984  
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 AUTHORITY.

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