WTI OPAREA SPECIAL MAP

Edition #2 9/2013

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

CONTOUR INTERVAL 400 FEET
WITH SUPPLEMENTARY CONTOURS AT 200 FOOT INTERVALS

BLUE NUMBERED LINES INDICATE THE YIELDS MGTOW UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 11 (U), GEODETIC REFERENCE SYSTEM 1980 ELLIPSOID.

This map was prepared on the
National Geospatial-Intelligence Agency (NGA) Remote Replication System (RRS),
from best available sources.
Additional information was provided by MAWTS-1, S-2.

Sectors depicted in R-2507 N/S and R-2301 W are for Marine Aviation Weapons and Tactics Squadron ONE (MAWTS-1) use only.

NOTE: "Altitudes reflected on this map are those normally requested and supported by Yuma Range Management and the FAA, and are not necessarily the published effective altitudes"

TAC RANGE BOUNDARY · MOA BOUNDARY · RESTRICTED AREA BOUNDARY · SECTOR BOUNDARY · RANGE BOUNDARY

OBSERVATION POINT · GUN POSITION · CONTROL POINT · GROUND LOCATION · TARGET

MAP SHEETS:
1501 AIR NI 11-9 EDITION 3
1501 AIR NI 11-12 EDITION 4
1501 AIR NI 12-7 EDITION 6
1501 AIR NI 12-10 EDITION 4

ELEVATIONS IN FEET

DMA IS OPERATING THIS MILITARY GRID REFERENCE SYSTEM FROM NAD 27 ELLIPSOID TO NAD 83 DEGREE OF REFERENCE SYSTEM 1980 ELLIPSOID. UNTIL ALL ACCU-RATE DATA IS AVAILABLE, THE MAXIMUM SHIFT BETWEEN NAD 27 AND NAD 83 WITHIN THE DELUXE DESCRIPTORS ARE EXPECTED TO BLUE AND THE SIDE OF DESCRIPTORS IN PURPLE.

COORDINATE CONVERSION NAD 83 TO NAD 27
Geographic: Subtract 0.0" Lat., Subtract 0.0" Long.
Geographic: Subtract 0.0" Lat., Subtract 0.0" Long.

SAMPLE USES METER REFERENCE

SAMPLE USES METER AND SHORE

1. Start below identify by METER, use Lower A and Upper B.
2. Map Scale, when Identify by METER, go the grid.
3. Grid value 1,000 meters from grid line to point.
4. Grid value 1,000 meters from grid line to point.

Example: 4UTM1234

Example: 4UTM1234

NAD 83 GRID REFERENCE SYSTEM

NAD 83 GRID REFERENCE SYSTEM

Example: 12S0123456789

Example: 12S0123456789

NOTES

Powerlines are shown except within populated place limits, where they are too numerous to show. Pylons are 200 feet or more above ground level (agl).

On this product a line is generally considered as being 0 feet (2.5 meters) in width.

ELEVATIONS IN FEET

ELEVATION TINTS

FEET	METERS
12,000	3600
10,000	3000
8000	2400
6000	1800
4000	1200
2000	600
SEA LEVEL	

SECOR

BASIC 11' QUADRANGLE

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
000	0	5000	1524
500	152	5500	1676
1000	305	6000	1829
1500	457	6500	1981
2000	610	7000	2134
2500	762	7500	2286
3000	914	8000	2438
3500	1067	8500	2591
4000	1219	9000	2743
4500	1372	9500	2896
5000	1524	10000	3048

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 21 JANUARY 1999

Consult NOTAMS and Appropriate Publications for the latest air information. No DOD Aeronautical Chart Updating Manual or NIMA 10 K Aeronautical Chart Maintenance document, for either chart revision or update.

LINES OF EQUAL MAGNETIC VARIATION
FOR 1990
(Annual rate of change: 2' decreased.)

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF).

The Maximum Elevation Figures (MEF) are determined by adding 2000 feet (600 meters) to the highest elevation in a quadrangle and rounding to the next higher 100 foot (30 meter) value. The MEF is the highest elevation on the quadrangle including terrain and obstructions (trees, towers, etc.).

12S

LOCATION DIAGRAM

GRID INDEX SHOWN IN BLUE
(BASIC PATCH SHOWN IN RED) (BROWN)

POPULATED PLACES
Over 500,000 — LOS ANGELES
100,000 to 500,000 — OMAHA
25,000 to 100,000 — Dodge City
5,000 to 25,000 — Aspen
Less than 5,000 — Brewster
A small dot.

ROADS AND RAILROADS
Dual highway
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light duty, all weather, hard or improved surface
Fair or dry weather, unimproved surface
Trucks and trails
Route markers: Interstate; Federal; State
Interchange
Standard gauge railroad; 1.44m (4'8½") Single track; Multiple track
Railroad station; Position known; Position unknown

BOUNDARIES
International
State
County or parish
Reservation

OTHER FEATURES
Landmark feature
School; Church
Tank; Well; Mine
Horizontal control point
Levee

HYDROGRAPHY
Spring; Well
Marsh; swamp Land subject to inundation
Intermittent stream; Dam; Intermittent lake

VEGETATION
Woods; Orchard; vineyard

TERRAIN ELEVATIONS
Spot elevation; normal; critical 3076 ' 4932
HIGHEST KNOWN elevation in 5681 feet at the following coordinates
Geographic 33° 48' N, 113° 39' W
Grid 12S343

AERODROMES (Military or Civil)
Runway pattern known
Runway pattern unknown
HELIPORT/HELIPAD
HELIPORT/HELIPAD AT HOSPITAL

RADIO AIDS TO NAVIGATION
VOR (VHF/ OMNI RANGE) (VOR)
VORTAC
TACAN
VOR with / DME
Other facilities

RADIO FACILITIES
RADIO RANGE LT-MF
NON-DIRECTIONAL RADIO FACILITIES
CONTROLLED AIRSPACE
ADIZ
VISUAL AIDS AND OBSTRUCTIONS
Obstruction
1158 Elevation of obstruction top, above sea level
(2249) Elevation of obstruction top, above ground level
Group obstruction
Radio facility obstruction
Power transmission line
Visual ground sign
Aero light; Marine light