SERIES 1501 AIR
SHEET NF 13-12
EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 1

ELEVATION TINTS
TINTAS HIPSOMETRICAS

FEET
9843
5905
2625
660

RELIABILITY OF THIS GRAPHIC
(as determined by standard practice)
CONFIABILIDAD DE ESTA GRAFICO
(determinada por uso normal)

PLOTTING ACCURACY 90% ASSURANCE
EXACTITUD DE COMPILACION 90% CONFIANZA

Horizontal Horizontal	within 610ft. dentro de 610ft.
Contours Curvas de nivel	within 165ft. dentro de 165ft.

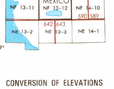
GRAPHIC FEATURE DETALLE DE GRAFICO	Date of information Fecha de información
All other features Todos otros detalles	1977

Horizontal Datum: 1927 North American
Datu Horizontal: Norteamericano de 1927
Vertical Datum: Mean Sea Level
Dato Vertical: Nivel Medio del Mar
Transverse Mercator Projection
Proyección Transversa de Mercator

GLOSSARY — GLOSARIO

Acueducto	aqueduct
A. Agua	water, stream
Arroyo	stream
Cementerio	cemetery
C. Cerro	hill, mountain
Gasoducto	gas, pipeline
Hacienda	farm
Huerta	orchard
Instituto Filosófico	Philosophy institute
Laguna	lake
Mesa	mesa, plateau
Microondas	microwave
Planta hidroeléctrica	hydro-electric plant
Pozo	beach
P. Presa	dam
Puerto	port
Río	river
Ruinas arqueologicas	archeological ruins
Sierra	mountain range, ridge
Subestación eléctrica	electric substation

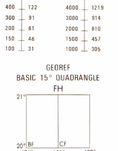
LOCATION DIAGRAM
DIAGRAMA PARA LOCALIZACION
(NAF INDEX SHOWN IN RED/ROJO)



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

GEOREF
BASIC 15° QUADRANGLE
FH



CAUTION
AIR INFORMATION CURRENT THROUGH
7 SEPTEMBER 1982
Consult NOTAMS and Flight Information Publications for the latest information. Use DOD Aeronautical Chart Updating Manual or NGA (I) 8 Aeronautical Chart Amendment document for other chart revision information.

Prepared and published by the Defense Mapping Agency
Hydrographic/Topographic Center, Washington, D. C.
Compiled September 1981

Printed by the Defense Mapping Agency Hydrographic/Topographic Center 9-82
Reprinted by NIMA 05-03

LINES OF EQUAL MAGNETIC VARIATION FOR 1980
(Annual rate of change 4′ decrease)
LINEAS DE IGUAL VARIACION MAGNETICA
PARA 1980
(Variación anual, decremento de 4′)

SCALE 1:250,000
GUADALAJARA, MEXICO

SERIES 1501 AIR
SHEET NF 13-12
EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 1

SHEETS TO THE WEST AND SOUTH
SHEET NORTH OF EQUATOR OR SOUTH OF CONVERTS TO NORTH
SHEET NORTH OF EQUATOR OR SOUTH OF CONVERTS TO SOUTH
SHEET NORTH OF EQUATOR OR SOUTH OF CONVERTS TO NORTH
SHEET NORTH OF EQUATOR OR SOUTH OF CONVERTS TO SOUTH
SHEETS TO THE EAST AND SOUTH
SHEETS TO THE EAST AND NORTH
SHEETS TO THE WEST AND NORTH
SHEETS TO THE EAST AND NORTH
See Body of Map
Ver Cuerpo del Mapa
UTM ZONE DESIGNATION
DESIGNACIÓN DE LA ZONA UTM
13Q
MAPS REFERRING CENTER THE SAME ZONE DESIGNATION AREA IN WHICH THE POINT LIES. PRINTS THE SAME ZONE DESIGNATION.
MAPAS QUE HACEN REFERENCIA A ESTA ZONA DE DESIGNACIÓN DEL CENTRO. IMPRIMEN EL MISMO DESIGNACIÓN DE ZONA DE LA DESIGNACIÓN DEL CENTRO.
Example
Ejemplo
13QAB1234

ELEVATIONS IN FEET
ELEVACIONES EN PIES

POPULATED PLACES—*POBLACIONES*
Over 100,000 *Más de 100,000* PUEBLA
50,000 - 100,000 FRESNILLO
10,000 - 50,000 GUANAJUATO
2,000 - 10,000 Chalchihuites
Less than 2,000 *Menos de 2,000* Morelos
Landmark feature *Objeto de referencia* La Sandía

ROADS—*CAMINOS*
All weather, hard surface
Pavimentado, transitable en todo tiempo
Two or more lanes
De dos o más carriles
One lane
De un carril
All weather, loose or light surface
De grava o revestido, transitable en todo tiempo
Two or more lanes
De dos o más carriles
One lane
De un carril
2 LANES / 2 CARRILES
2 LANES / 2 CARRILES
Fair or dry weather, loose surface
De grava, transitable en tiempo de secas
Cart track, footpath, trail
Camino de tierra, Vereda, camino de herradura
Route markers: Federal, State
Numeración de ruta: Federal, Estatal
15 / 15

RAILROADS—*FERROCARRILES*
Single track / Multiple track
Normal gauge 4′8½″ (1.44m)
Vía ancha o normal 4′8½″ (1.44m)
Narrow gauge 3′ (914m)
Vía angosta 3′ (914m)
Une vía / Vía múltiple
Railroad station: Known, Unknown
Estación: FF.CC., Conocido, Desconocido
Station / Estación

BOUNDARIES—*LIMITES*
International
Internacional
Primary administrative
De territorio estado o
Mine, Oil well, Scrap heap
Mina, Pozo petrolero, Banco de material

Hydrometric station
Estación hidrometrica
Horizontal control point
Punto de control horizontal
Bench mark
Banco de nivel
BM 66

Powerlines
Líneas de conducción
Electric 33 kv. or more; Telephone
Electrica de 33 kv. o mas; Telefonica
46 Kv — TL
Telegraph
Telegrafica
TG
Ditch; Canal
Zanja; Canal
Underground pipeline
Conducto subterraneo
Marsh or swamp; Land subject to inundation
Ciénaga o pantano; Zona sujeta a inundación
Sand; Salt marsh
Arena; Salinas
Woods-brushwood
Bosque-monte bajo
Intermittent Lake
Lago Intermitente

JOINT OPERATIONS GRAPHIC (AIR)

Scale 1:250,000
Escala 1:250,000

5 0 5 10 15 Kilometers / Kilómetros
5 0 5 10 Statute Miles / Millas Terrestres
5 0 5 Nautical Miles / Millas Náuticas

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

EQUIDISTANCIA DE LAS CURVAS DE NIVEL 330 PIES APROXIMADAMENTE CON CURVAS SUPLEMENTARIAS A INTERVALOS DE 165 PIES APROXIMADAMENTE.

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 13 CLARKE 1866 SPHEROID

LAS LINEAS AZULES NUMERADAS INDICAN LA CUADRICULA UNIVERSAL TRANSVERSA DE MERCATOR A 10,000 METROS DE INTERVALO, ZONA 13 ESPEROIDE DE CLARKE DE 1866

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0889; COMMERCIAL 314-263-4884; DSN 693-4884; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP 1-08, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximum Elevation Figures shown in quadrangles bounded by Global lines of Latitude and Longitude are based on Digitized Terrain Elevation Data (DTED) cells and represent 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 unreliable relief, the MEF is shown by a note spaced across the area.
EXAMPLE: 12,500 feet 12 5

AERODROMES (Military or Civil) EDNA/50/A 725
AERODROMOS (Militar o Civil)
RADIO FACILITIES
FACILIDADES DE RADIO
RADIO RANGE (E/MF) RNG-HURN
RADIOFARO DIRECCIONAL AF/MF
MULTIPLE RADIO FACILITIES NDB-RNG PARIS
MULTIPLES AYUDAS DE RADIO
Field limits and runway pattern unknown
Límites del campo y configuración de la pista desconocidos
SEAPLANE BASE
BASE DE HIDROAYUNOES
SEAPLANE EMERGENCY
HIDROAYUN EMERGENCIA
HELIPORT—H(SUPERTO)

VISUAL AIDS AND OBSTRUCTIONS
AYUDAS VISUALES Y OBSTRUCCIONES
Obstruction—Obstrucción 1108 (259)
1108 Elevation of obstruction top; above sea level
Elevación de la parte superior de la obstrucción sobre nivel del mar
(259) Elevation of obstruction top; above ground level
Elevación de la parte superior de la obstrucción sobre nivel del terreno
Group obstruction
Grupo de obstrucciones
Radio facility obstruction
Obstrucción de facilidad de radio

TERRAIN ELEVATIONS — *ELEVACIONES DE TERRENO*
HIGHEST KNOWN elevation is 9711 feet approx. 103°26′W.
ELEVACIÓN MÁS ALTA CONOCIDA es 9711 pies localizada 4°20′22″N., 103°26′W.
±Following elevation value indicates accuracy is not within 100 feet
±Que sigue el valor de altitud indica que la precision no está dentro de 100 pies.

NOTES *NOTAS*
Powerline information and obstructions have been extracted from the most reliable source available. However, there is no assurance that all powerlines and obstructions are shown or that their locations and heights are correct.
Información sobre las líneas de energía y las obstrucción ha sido tomada de las mejores fuentes disponibles, sin embargo, no es seguro que se muestran todas las líneas de energía y obstrucciones, o que sus locaciones y sus alturas son precisas.
On this map a line is generally considered as being 2.5 meters (8 feet) in width.
En este mapa se entiende generalmente que un carril tiene 2.5 metros (8 pies) de ancho

NSN 7641014963105
NIMA Ref No 1501ANF1312
ED No 001