This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Coast and Geodetic Survey (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

SOUNDINGS IN FATHOMS

1st Ed., Oct. 1982

Nautical Chart Catalog No. 2, Panel B

81004 LORAN-C OVERPRINTED

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NORTH PACIFIC OCEAN

COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

MARIANA ISLANDS

Mercator Projection
Scale 1:931,650 at Lat. 17°00'00"

SOUNDINGS IN FATHOMS

HEIGHTS

Heights in feet above Mean High Water.

For Symbols and Abbreviations see Chart No. 1

AUTHORITIES

Hydrography from Japanese and U.S. Naval surveys to 1935 with additions to 1945.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

CAUTION

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

(X)Accurate location) o(Approximate location)

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

CAUTION

Differences in latitude and longitude may exist between this and other charts of the area; therefore, the transfer of positions from one chart to another should be done by bearings and distances from common features.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

GLOSSARY

Bahia	bay
Lagunan	lagoon
Puerton	harbor
Puntan	point
Unai	beach
Isleta	island

LORAN-C

GENERAL EXPLANATION

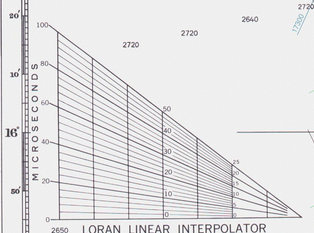
LORAN-C FREQUENCY ..... 100kHz.
PULSE REPETITION INTERVAL
9970 ..... 99,700 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators).
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary

EXAMPLE: 9970-Y

RATES ON THIS CHART

9970-W 9970-X 9970-Y 9970-Z

The Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by U.S. Coast Guard. Mariners however, are cautioned not to rely solely on the lattices in inshore waters.



LORAN LINEAR INTERPOLATOR

P H I L I P P I N E

S E A

Agrihan

Agrihan Anch.

Pagan (1871)

Alamagan (1451)

Guguan (1859)

Zealandia Bk

Sarigan (1818)

Anatahan

Farallon de Medinilla

Saipan 10554

Tinian 564

Aguijan 1054

Rota (1814)

GUAM

Apra Harbor

Agat

Cocos I.

Piti

Sumay

Tanguisson Beach

Tumon Bay

Ritidian Pt

Puntan Sabanetа

Faipi Pt

Galvez Bks

Santa Rosa Rf

Arakane Reef

Maug Islands

Esmeralda Bk

Carolina Bk

Tatsumi Reef

Supply Reef

Diamond Rock

Active volcano

Explosives Dumping Area

Submarine Operating Area

Disused (1946)

Disused (1948)

Chart 81086

Chart 81092

Chart 81096

Chart 81100

Chart 81106

Chart 81112

Chart 81116

Chart 81120

Chart 81126

Chart 81130

Chart 81134

Chart 81138

Chart 81142

Chart 81146

Chart 81148

MAGNETIC

VAR 0°15'W (1990)

ANNUAL INCREASE 1'

VAR 1°00'E (1990)

VAR 2°15'E (1990)

NO ANNUAL CHANGE

20°40'00"N

141°00'00"E

12°20'00"N

144°00'00"E

(inner neatline 98.99cm N.S.x 80.00cm E.W.)

DMA STOCK NO. 81ACG81004

LITIGATION/COPY

2nd Ed., June 22/91 ■

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CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	13	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

SOUNDINGS IN FATHOMS

Mariana Islands
SOUNDINGS IN FATHOMS - SCALE 1:931,650

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