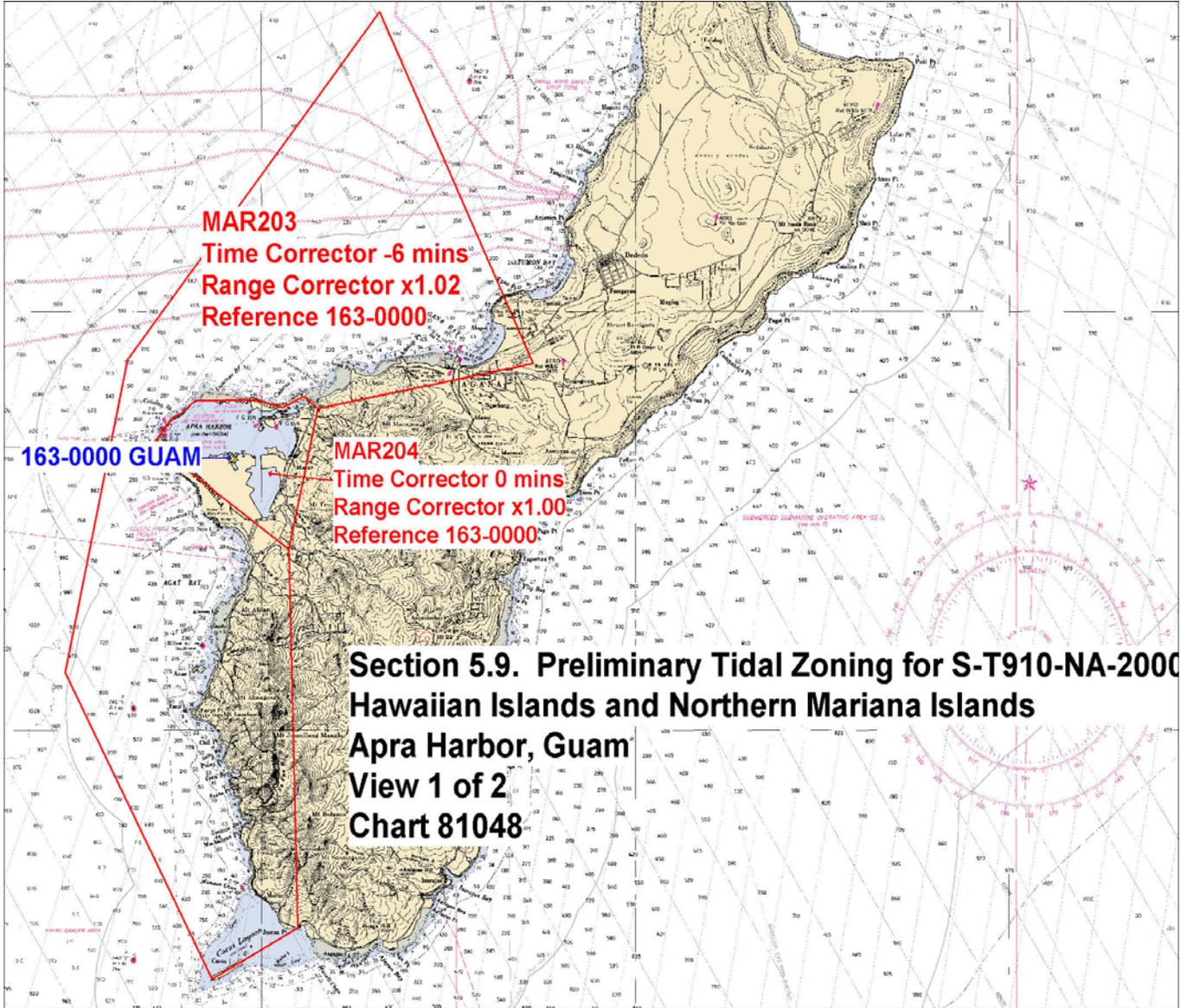
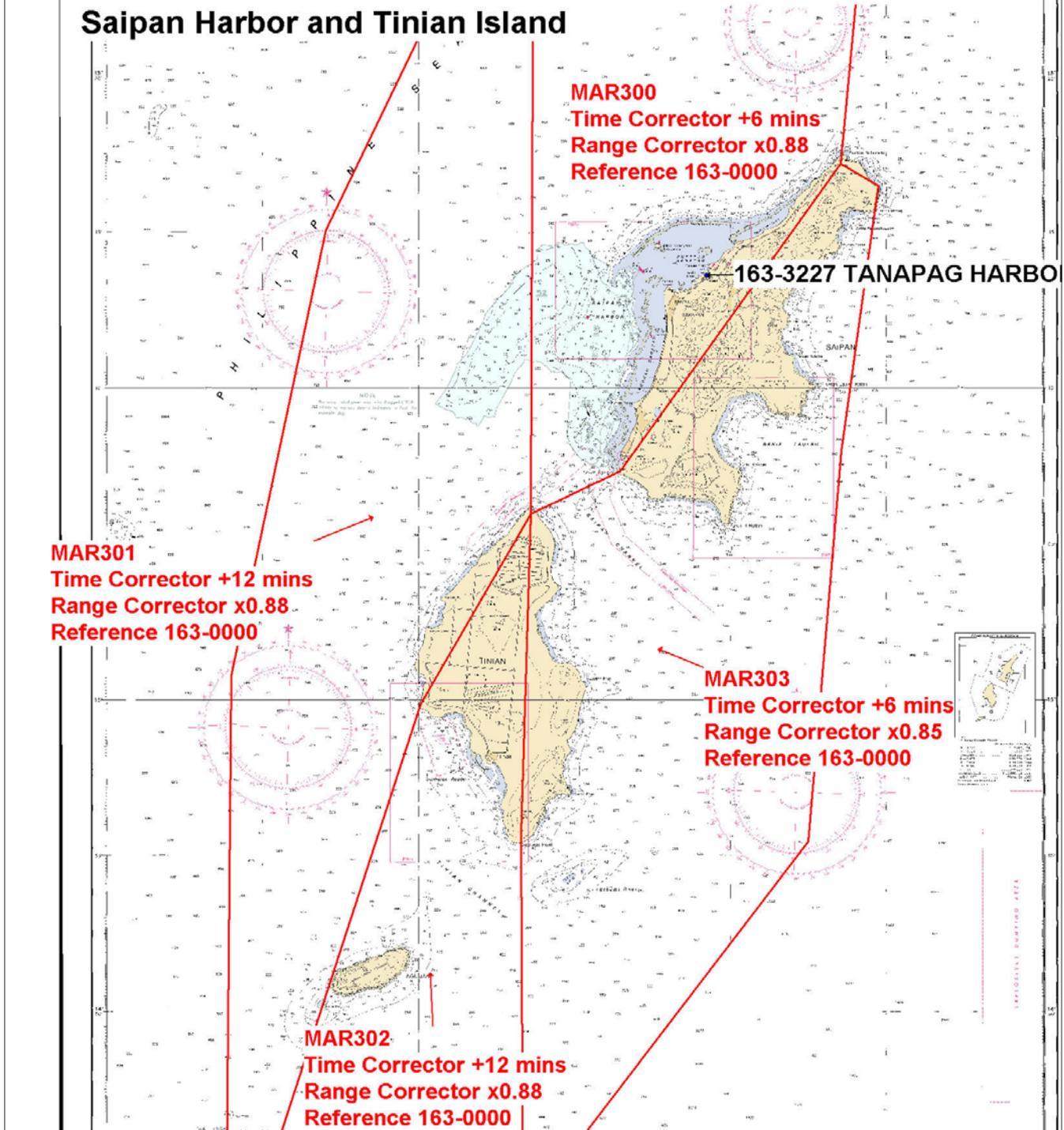


APPENXIX B

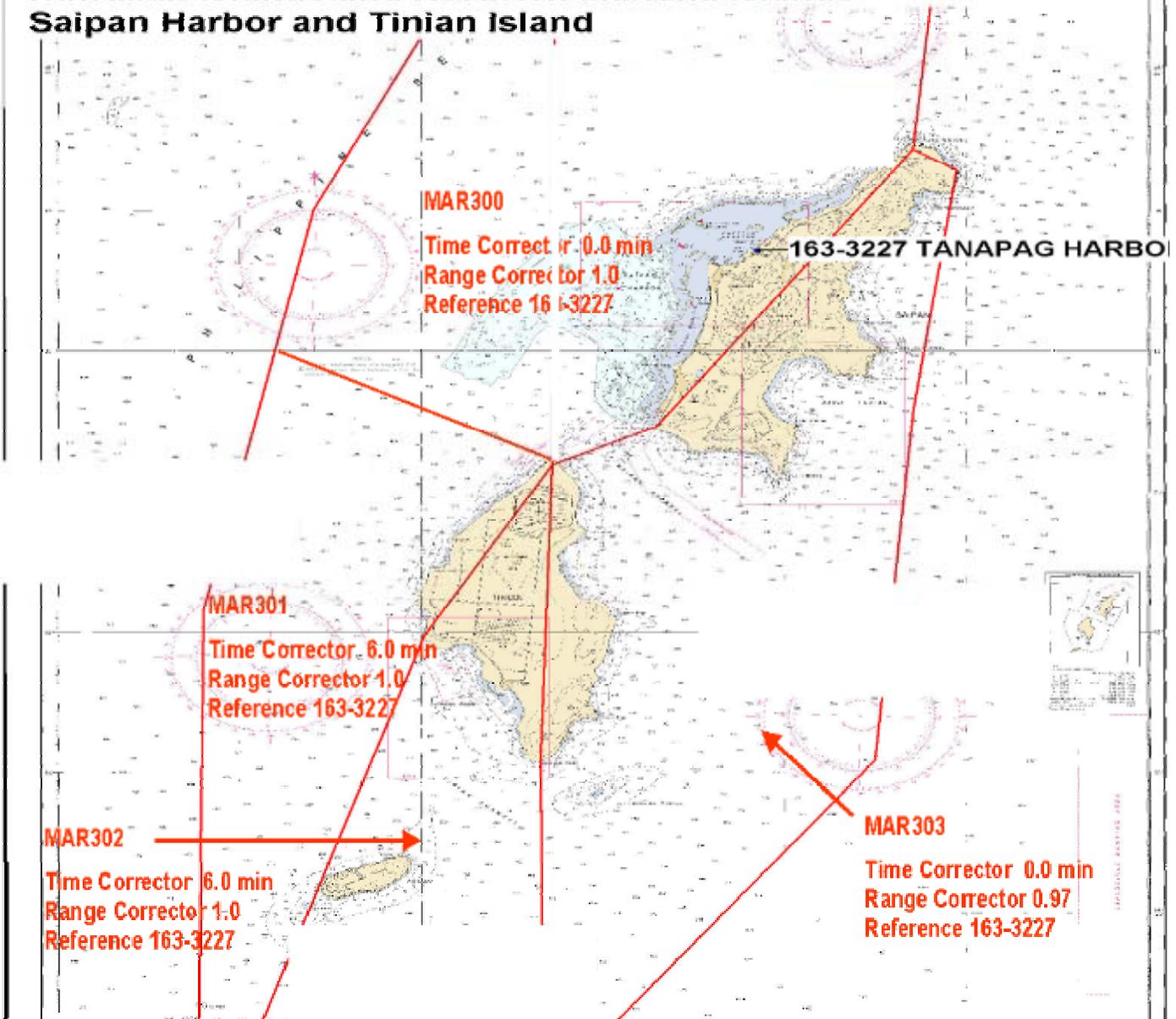
GUAM, SAIPAN, TINIAN, FDM TIDE ZONES



Section 5.9. Preliminary Tidal Zoning for S-T910-NA-2000 Hawaiian Islands and Northern Mariana Islands Saipan Harbor and Tinian Island



**Section 5.9. Preliminary Tidal Zoning for S-T910-NA-2000
Hawaiian Islands and Northern Mariana Islands
Saipan Harbor and Tinian Island**



The tide zone around Saipan and Tinian were modified as shown here. It was felt that using the Saipan tide gauge (163-3227) would better represent the local tide regime than a reference gauge at Apra Harbor Guam (163-0000). Details can be found in the ROS text, section 6.4, Final Tide Zoning.

Section 5.9. Preliminary Tidal Zoning for S-T910-NA-2000
Hawaiian Islands and Northern Mariana Islands
Farallon de Medinilla

15 20.0 N

15 00.0 N

15 00.0 N

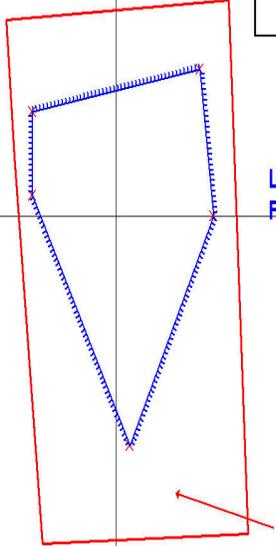
145 00.0 E

146 00.0 E

148 20.0 E

148 00.0 E

MAR400
Time Correction 0.0 min
Range Corrector x0.93
Reference 163-3227



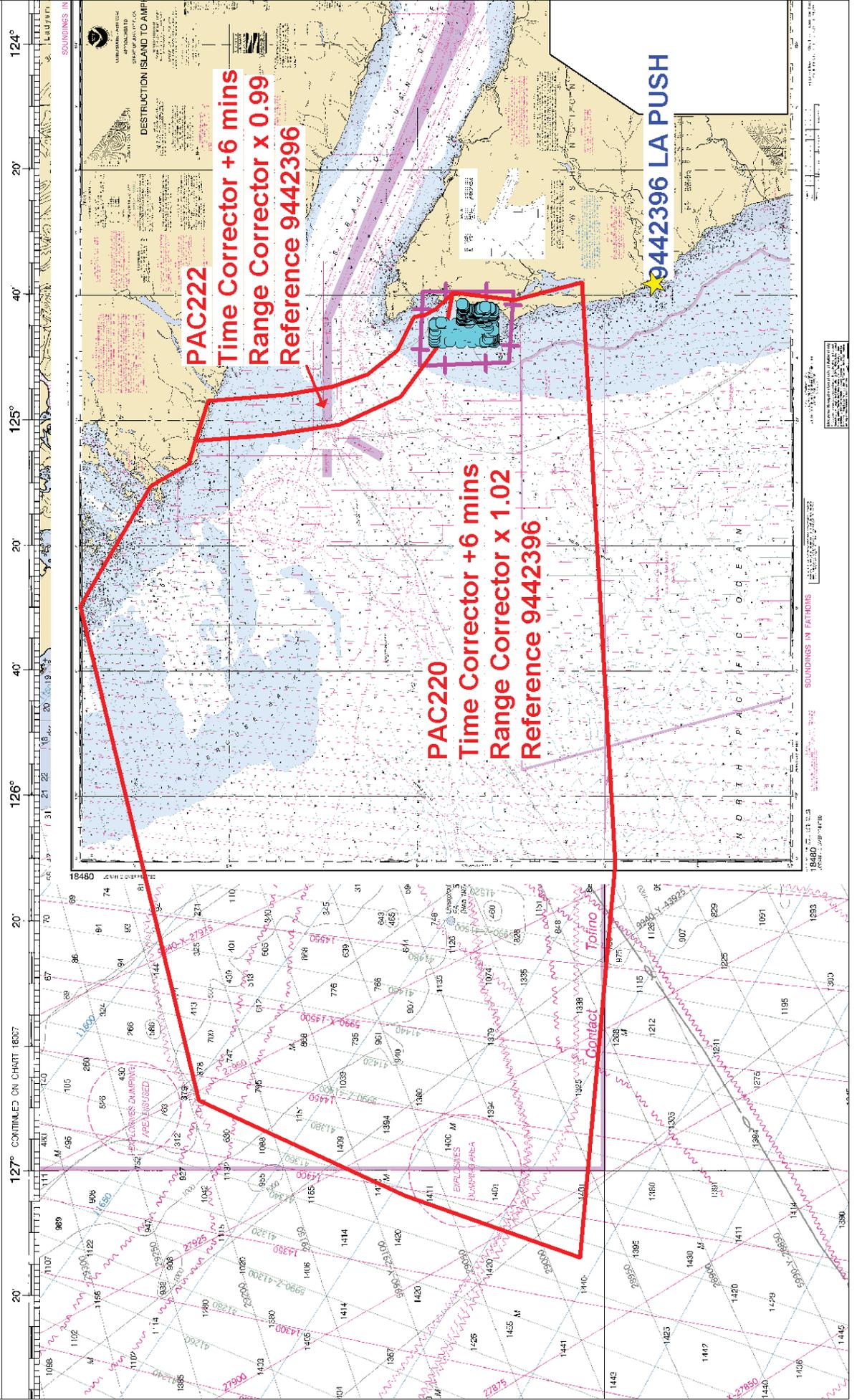
Limits for
Farallon De Medinilla

use chart 81005

Preliminary As Final Tidal Zoning for OPR-N324-FA-2010, H12219 Point of Arches, OCNMS, WA

Re-navigated on: The National
Admiral's Instruments for
the Pacific Ocean

Feature: CAGS 0022, 1s, E, May 0419, 0 104E 729, KAPP-151



C.2. Vertical Control

The vertical datum for this project is Mean Lower Low Water (MLLW) as specified in the Project Instructions. The operating National Water Level Observation Network (NWLON) primary tide station at LaPush, WA (9442396) served as control for datum determination and as the primary source for water level correctors for survey H12219. No subordinate water level stations were required for this project.

Water level corrections were applied to data using Discrete Tidal Zoning.

A request for delivery of final, approved tides for survey H12219 was forwarded to N/OPS1 on July 2, 2010, in accordance with the FPM. A copy of the request is included in Appendix V. On July 13, 2010 preliminary zoning was accepted as final zoning by COOPS in the Final Tide Note.²³

As per the Project Instructions, all data were reduced to MLLW using final, approved tides from the LaPush, WA station (9442396) by applying tide file 9442396.tid and time and height correctors through the preliminary zone corrector file N324FA2010CORP.zdf. **It will not be necessary for the Hydrographic Branch to reapply the final approved water levels (smooth tides) to the survey data during final processing.**