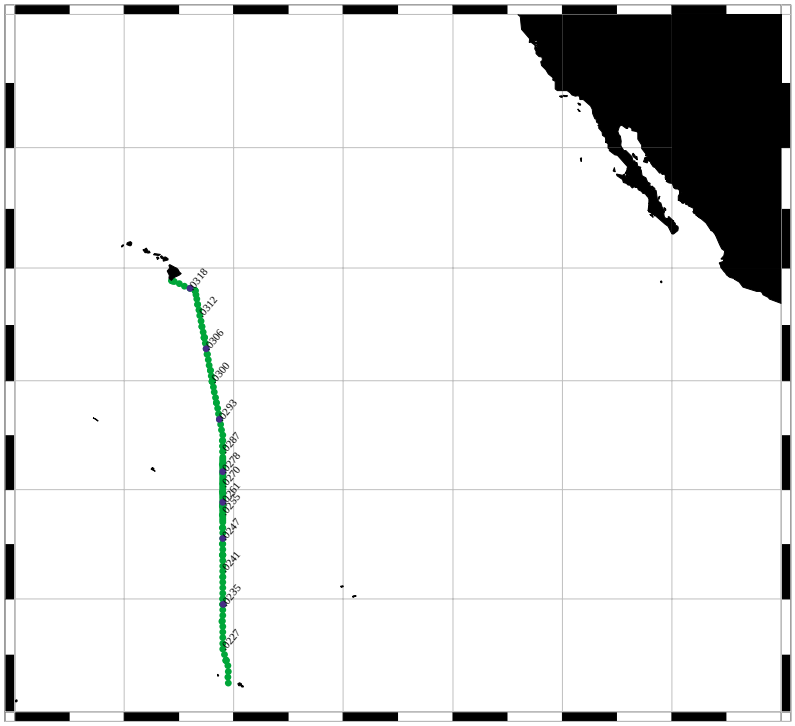
A. Cruise Narrative P16C

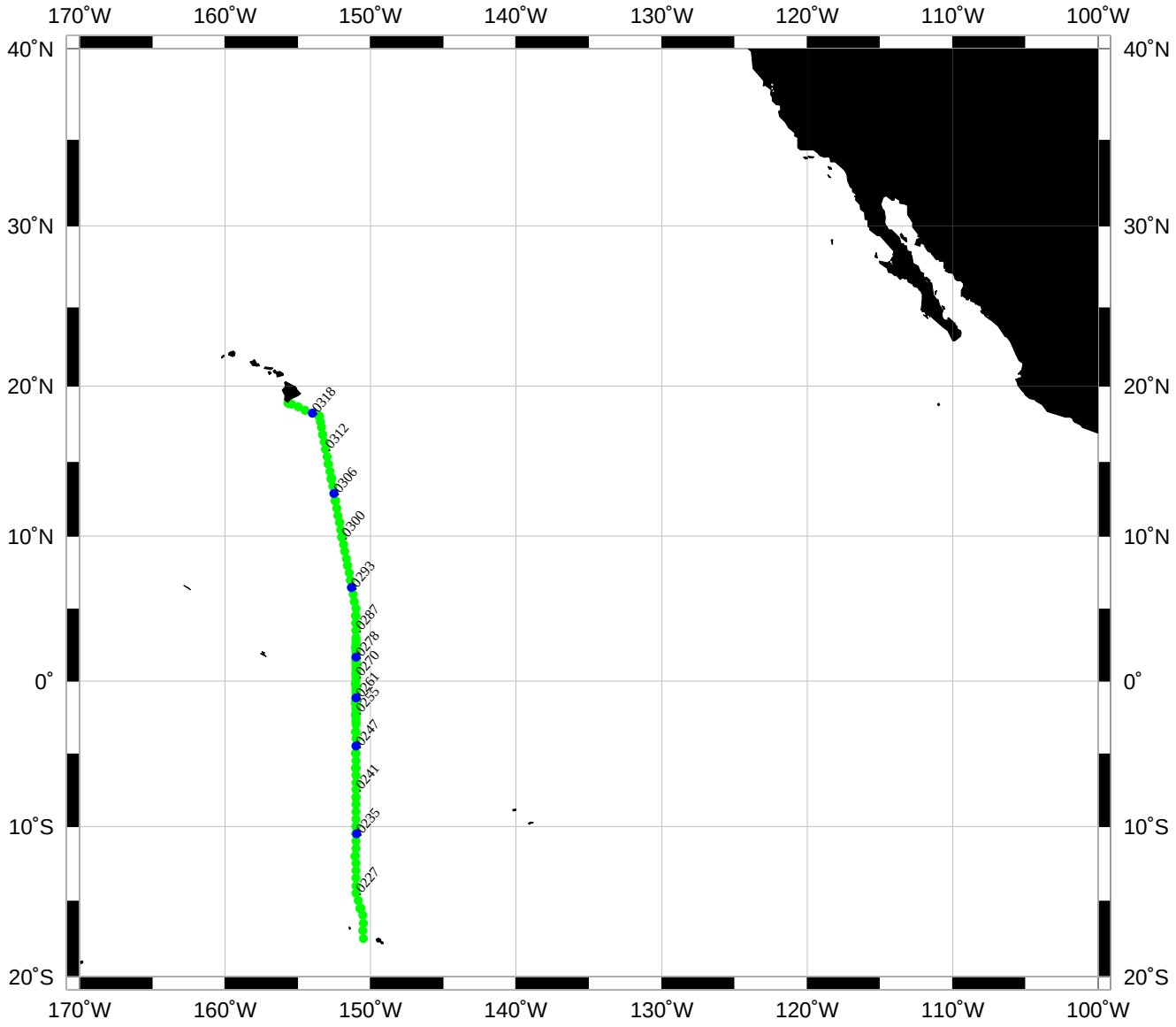


A.1. Highlights

WHP Cruise Summary Information

WOCE Line	**P16C**
EXPOCODE	**31WTTUNES_3**
Chief Scientist:	**Lynne Talley** Scripps Institution of Oceanography University of California San Diego 9500 Gilman Drive La Jolla CA 92093-0230 Phone: 619-534-6610 Fax: 619-534-9820 e-mail: ltalley@ucsd.edu
Ship	R/V Thomas Washington
Number of Stations	148
Geographic boundaries	18° 53'N 150° 28'W 155°39'W 17° 30'S
Floats deployed	12 ALACE floats
Drifters deployed	7 surface drifters
Moorings deployed or recovered	0
Ports of Call	Papeete, Tahiti to Honolulu, Hawaii
Cruise Dates	August 31 to October 1, 1991

Station locations for P16C



Produced from .sum file by WHPO-SIO

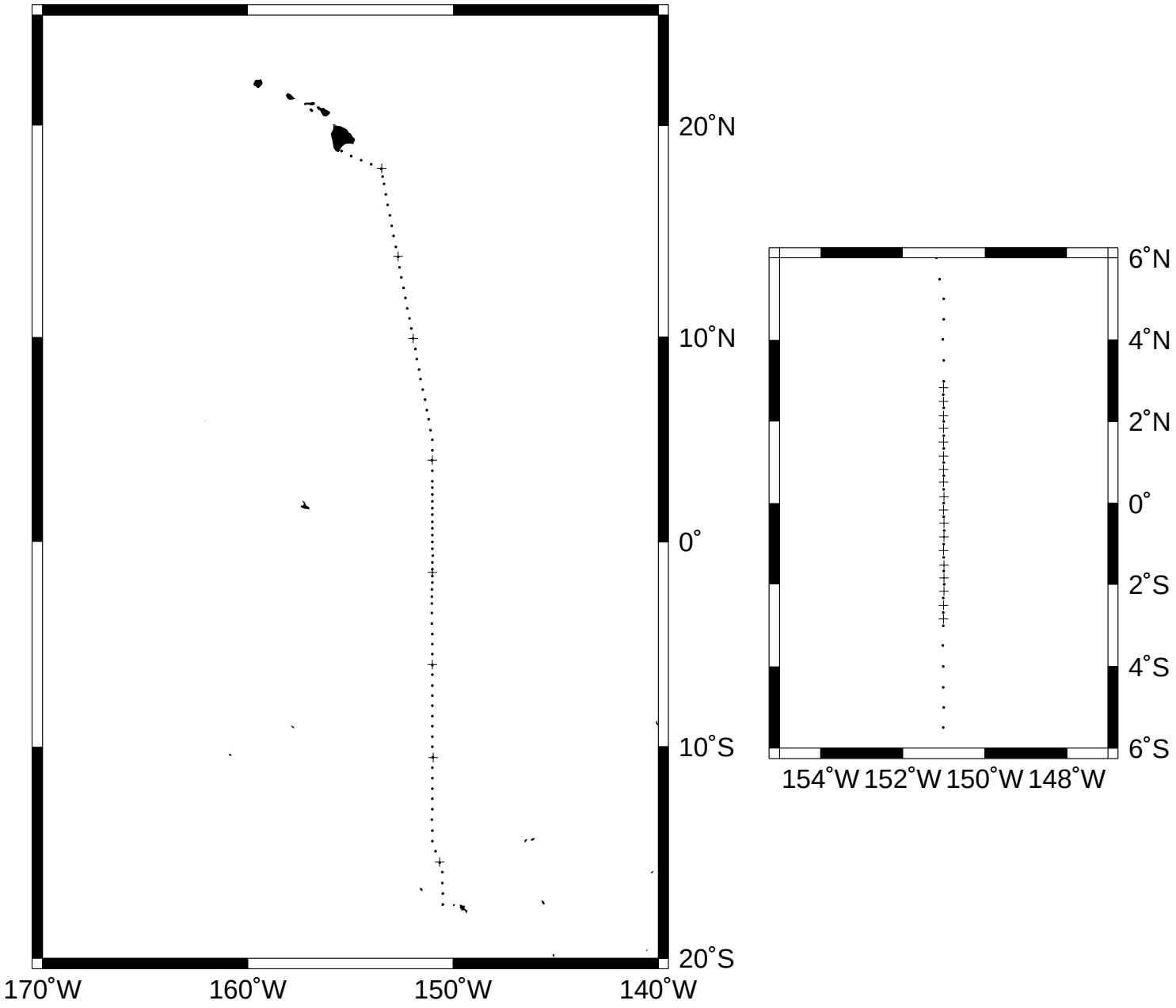


Figure A.2.1: Cruise track for WOCE P16C (31wttunes3), R/V T. Washington, 31 Aug 1991 - 1 Oct 1991.
(a) Rosette/CTD station (circle). Large volume plus large rosette/CTD station (+).
(b) Equatorial stations. Regular rosette stations with CTD10 (circles).
LADCP rosette stations with CTD9 (+).

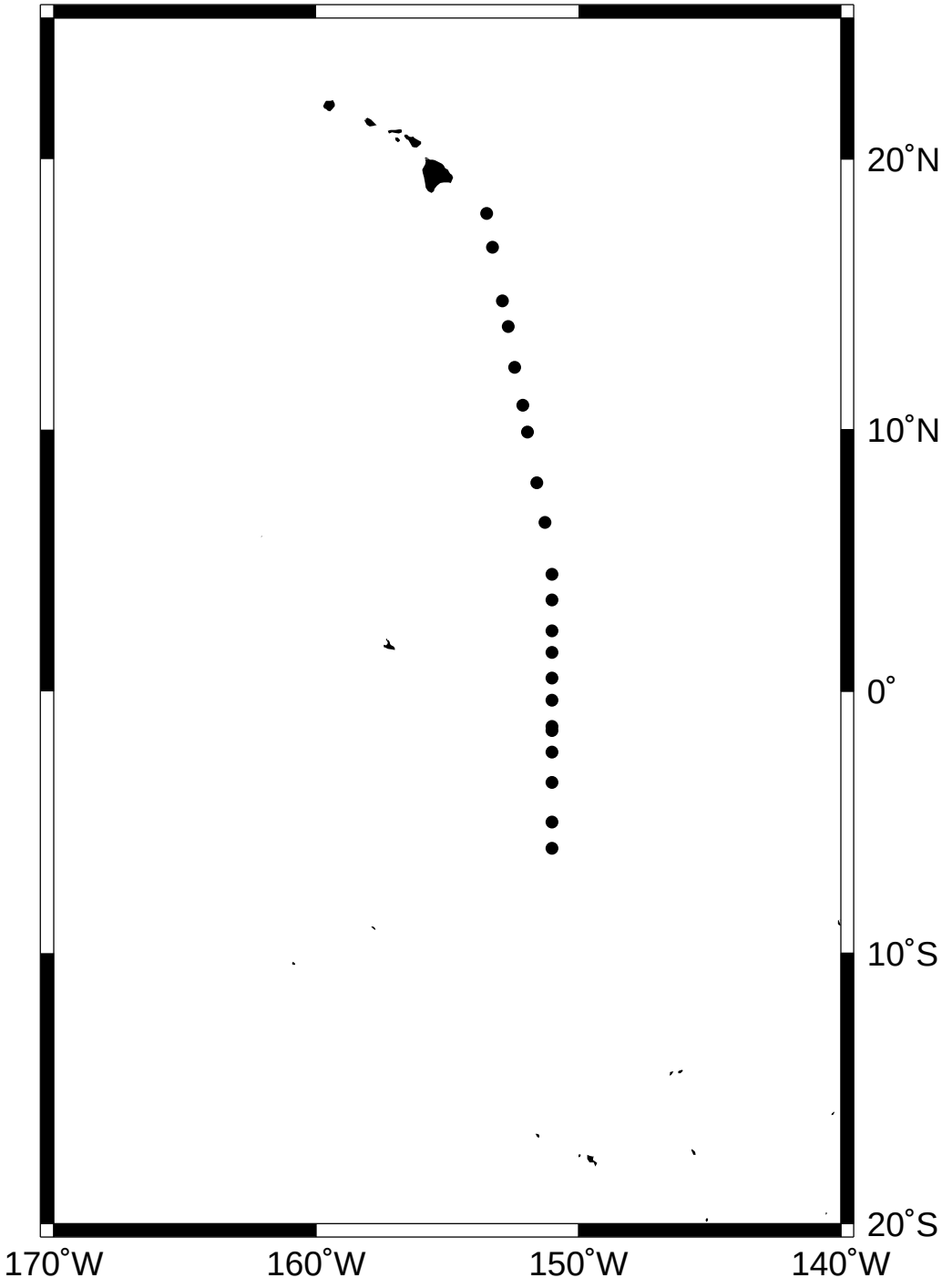


Figure A.2.2: JGOFS bio-optical stations on P16C.

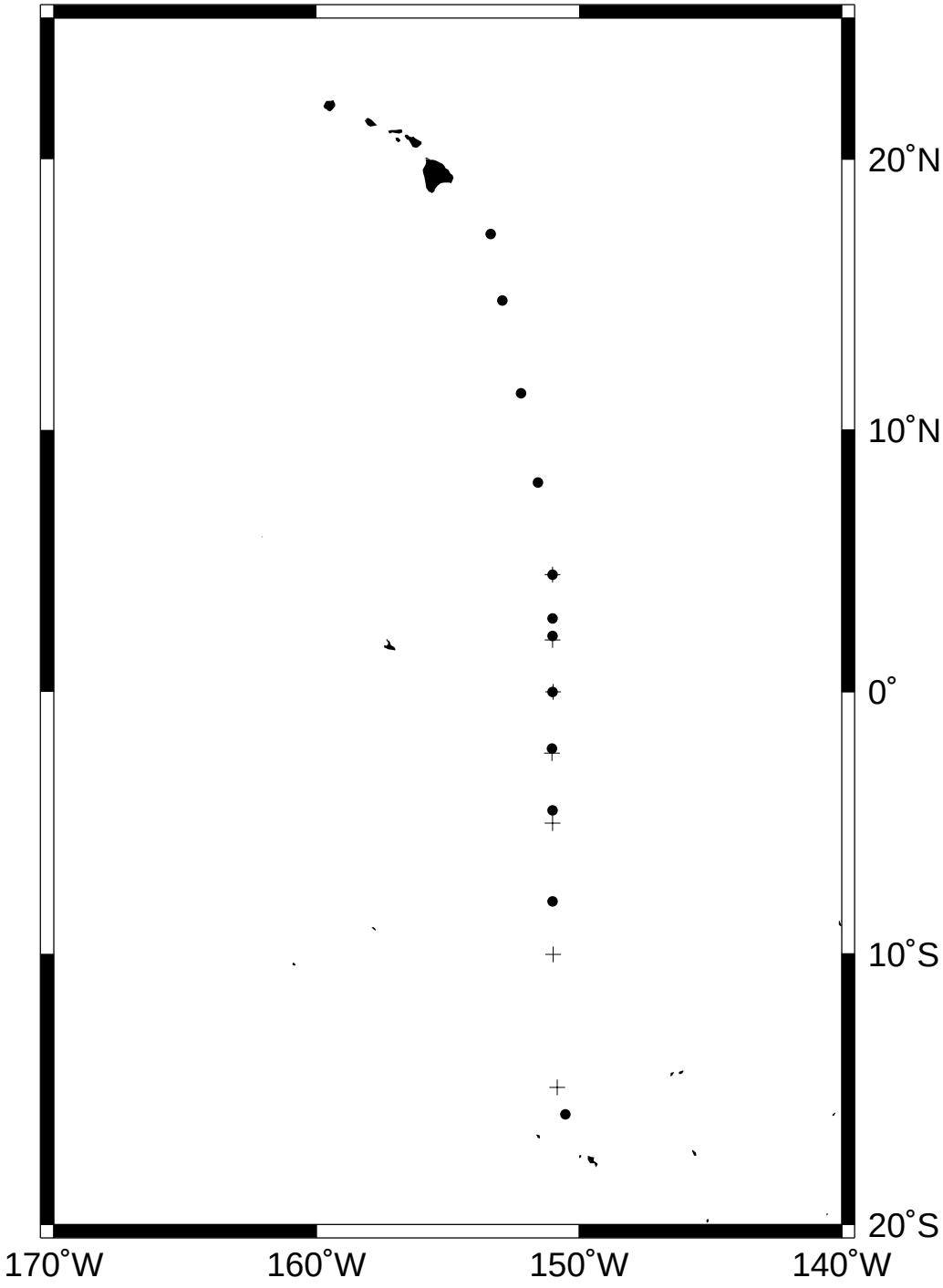


Figure A.2.5: ALACE float (circles) and surface drifter (+) deployments on P16C.

G.4. P16C TUNES-3 Final Report for AMS14C Samples

(Robert M. Key & Paul Quay)

July 6, 1996

1.0 General Information

WOCE section P16C was the third in a series of three cruise legs referred to as “TUNES”. Lynne Talley of SIO was chief scientist for this leg. This report covers details of data collection and analysis for the small volume radiocarbon samples. The reader is referred to “Documentation for WOCE Hydrographic Program section P16C” by Talley as the primary source for cruise information. Of 106 stations, 29 were sampled for radiocarbon. The AMS station locations are shown in Figure 1 and summarized in Table 1

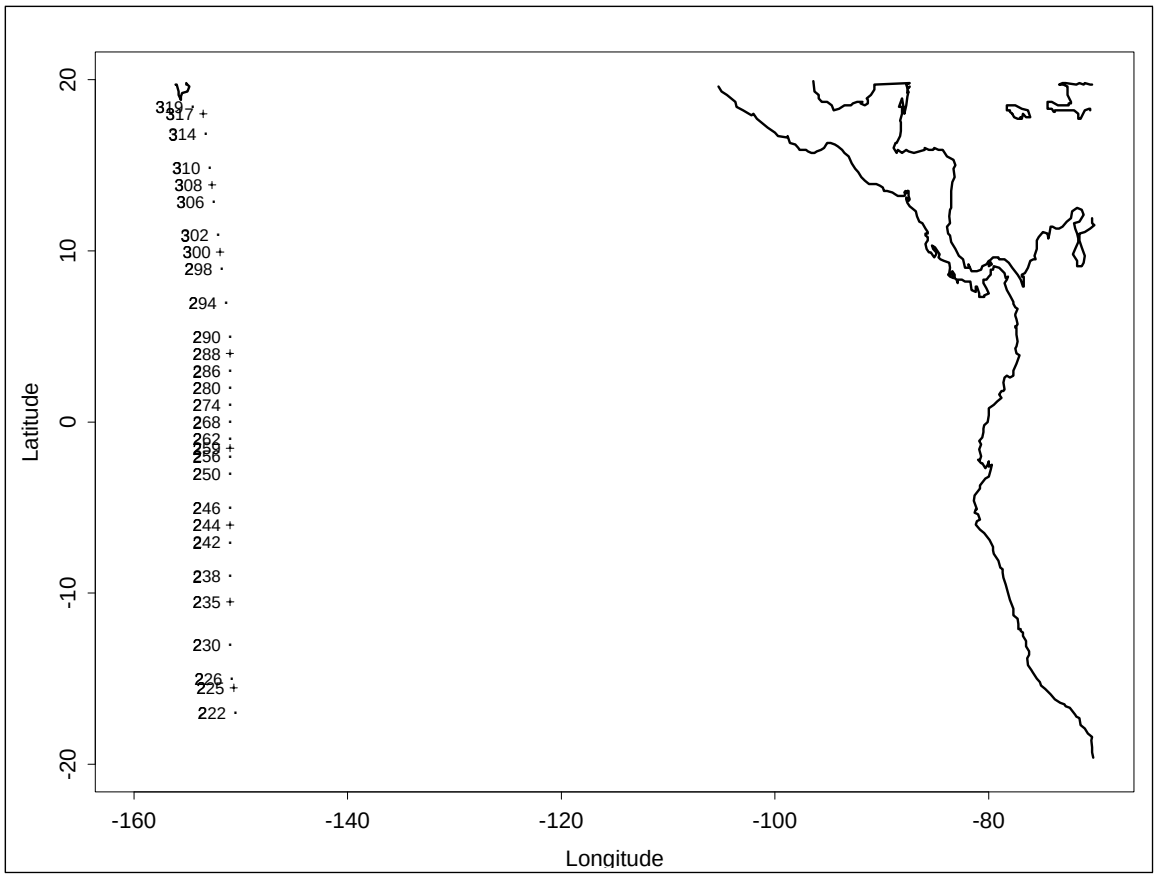


Figure 1: ^{14}C station locations for WOCE P16C (TUNES-3). Stations indicated by a dot were sampled only in the thermocline using the AMS technique. Stations indicated by a + were sampled over the entire water column using AMS for the thermocline and large volume sampling for deep and bottom waters.