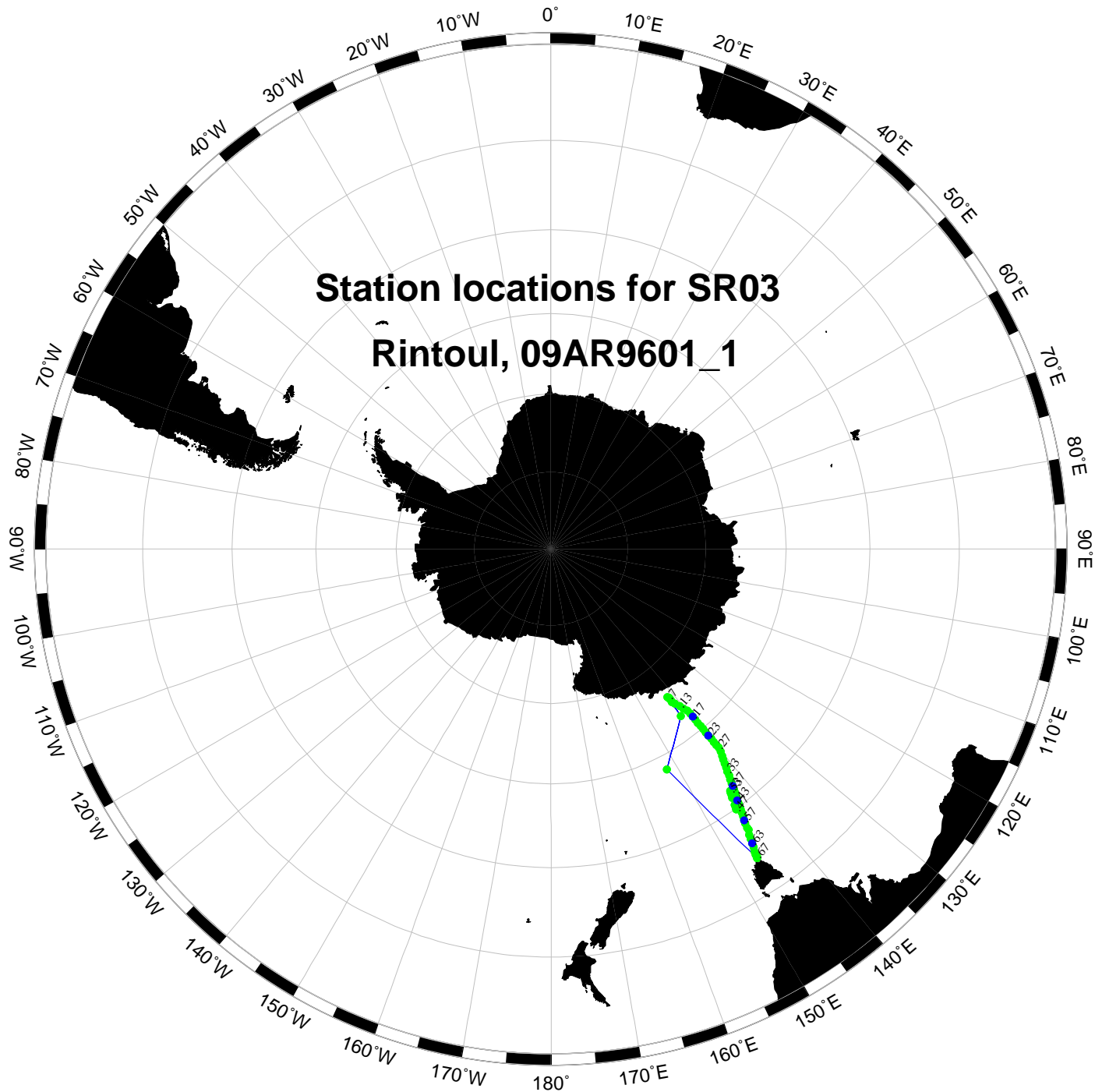


WHP Cruise Summary Information

WOCE section designation	SR03
Expedition designation (EXPCODE)	09AR9501_1; 09AR9604_1; 09AR9601_1
Chief Scientist(s) and their affiliation	Nathan Bindoff, Antarctic CRC (9501) Nathan Bindoff, Antarctic CRC (9604) Stephen Rintoul, CSIRO (9601)
Dates	1995.07.17 - 1995.09.02 (9501) 1996.01.19 - 1996.03.31 (9604) 1996.08.22 - 1996.09.22 (9601)
Ship	AURORA AUSTRALIS
Ports of call	Davis; Casey; Macquarie Island (9604) Macquarie Island (9601)
Number of stations	208 (9501); 147 (9604); 71 (9601)
Geographic boundaries of the stations	43°59.86 S
09AR9501_1	139°44.93 E 146°20.32 E 65°30.64 S
09AR9601_1	44°00.01 S 139°49.38 E 152°18.29 E 65°44.59 S
09AR9604_1	44°7.02 S 76°1.96 E 150°1.03 E 68°8.43 S
Floats and drifters deployed	8 deployed (9604)
Moorings deployed or recovered	1 recovered (9604)
Contributing Authors	M. Rosenberg S. Bray N. Bindoff S. Rintoul N. Johnston S. Bell P. Towler



3.3 CRUISE SUMMARY

In the course of the cruise, 71 CTD casts were completed along the SR3 section (Figure 3.1) (Table 3.2), plus additional test locations, with most casts reaching to within 20 m of the sea floor (Table 3.2). Over 1500 Niskin bottle water samples were collected for the measurement of salinity, dissolved oxygen, nutrients (orthophosphate, nitrate plus nitrite, and reactive silicate), dissolved inorganic carbon, alkalinity, carbon isotopes (^{14}C and ^{13}C), primary productivity, and biological parameters, using a 24 bottle rosette sampler. Table 3.3 summarises samples drawn at each station. For all stations, the different samples were drawn in a fixed sequence (see previous data reports). Casts taken over mooring locations are summarised in Table 3.4. Principal investigators for the various water sampling programmes and cruise participants are listed in Tables 3.5a and b.

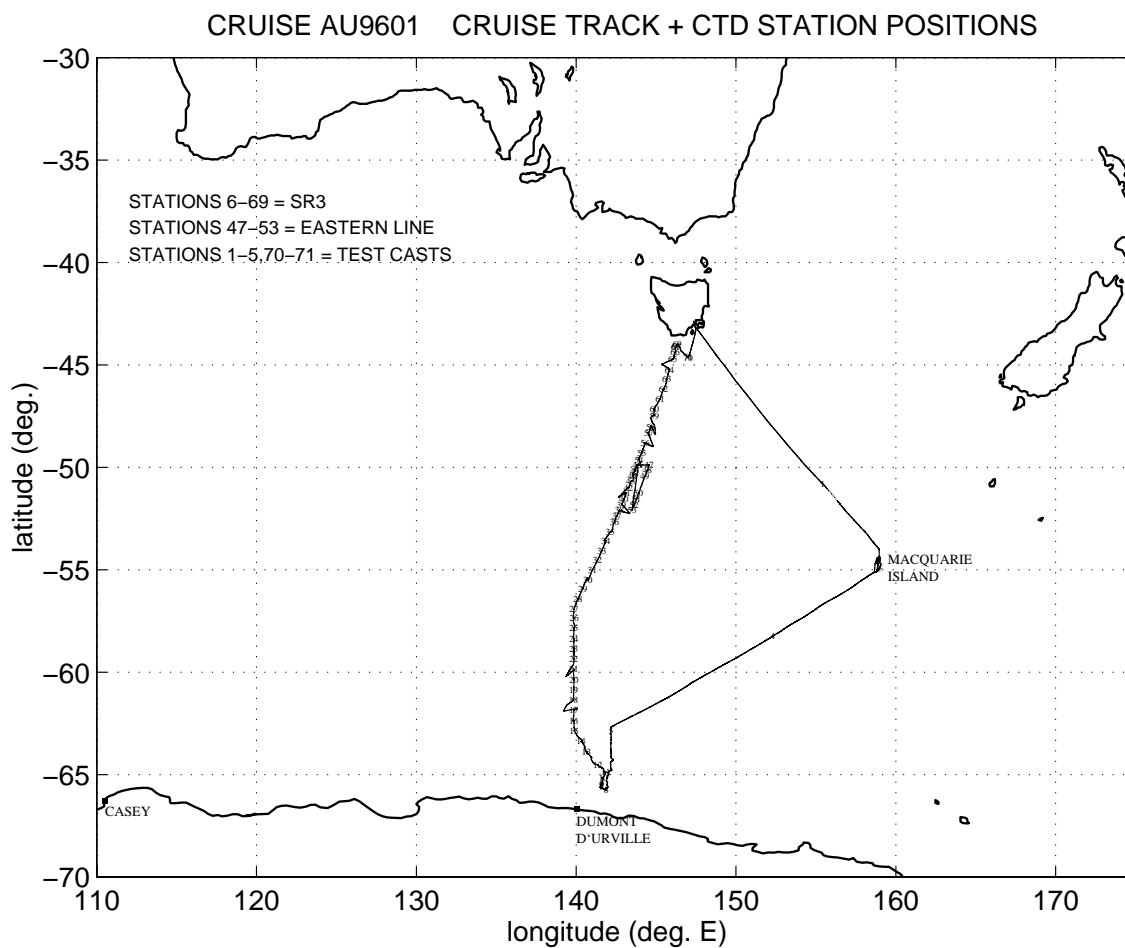


Figure 3.1: Cruise track and CTD station positions for RSV Aurora Australis cruise AU9601.