

AUSTRALIAN PROCEDURE AT REFERENCE STATIONS

<u>Reference Station 1</u>	(32°S., 111°50'E.)
S, T, O ₂ , nitrate and inorganic P	0, 25, 50, 75, 100, 150, 200, 300, 500, 700, 900, 1100, 1300, and 1500 m and then at 500 m intervals to the bottom.
Total P	As above except 25, 75, and 150 m
Primary production using ¹⁴ C0 ₂	0, 25, 50, 75, 100, and 150 m
Pigments	As for primary production
Zooplankton	Oblique haul with Clarke-Bumpus sampler : surface - 200 m - surface. Ship speed : 2 to 3 knots. Speed of paying out and recovering wire : 20 m/minute. Duration of tow : 35 minutes. When the Indian Ocean Standard net arrives, standard tows will be made with it and the catch will be sent to the Indian Ocean Biological Centre.
Miscellaneous	Depth, air temperature (wet and dry), wind, cloud, visibility, sea, swell, and pressure.
<u>Reference Station 2</u>	(9°S., 105°E)
S, T, O ₂ , nitrate and inorganic P	0, 25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 700, 900, 1100, 1300, and 1500 m, and then at 500 m intervals to the bottom.
Total P	As above except 25, 75, 125, 150, 250, and 400 m.
Primary production, pigments, zooplankton and miscellaneous as at Reference Station 1.	
