

FIGURE 1. Bathymetry of the Central Indian Ocean with the principal working areas of the cruise outlined by boxes.

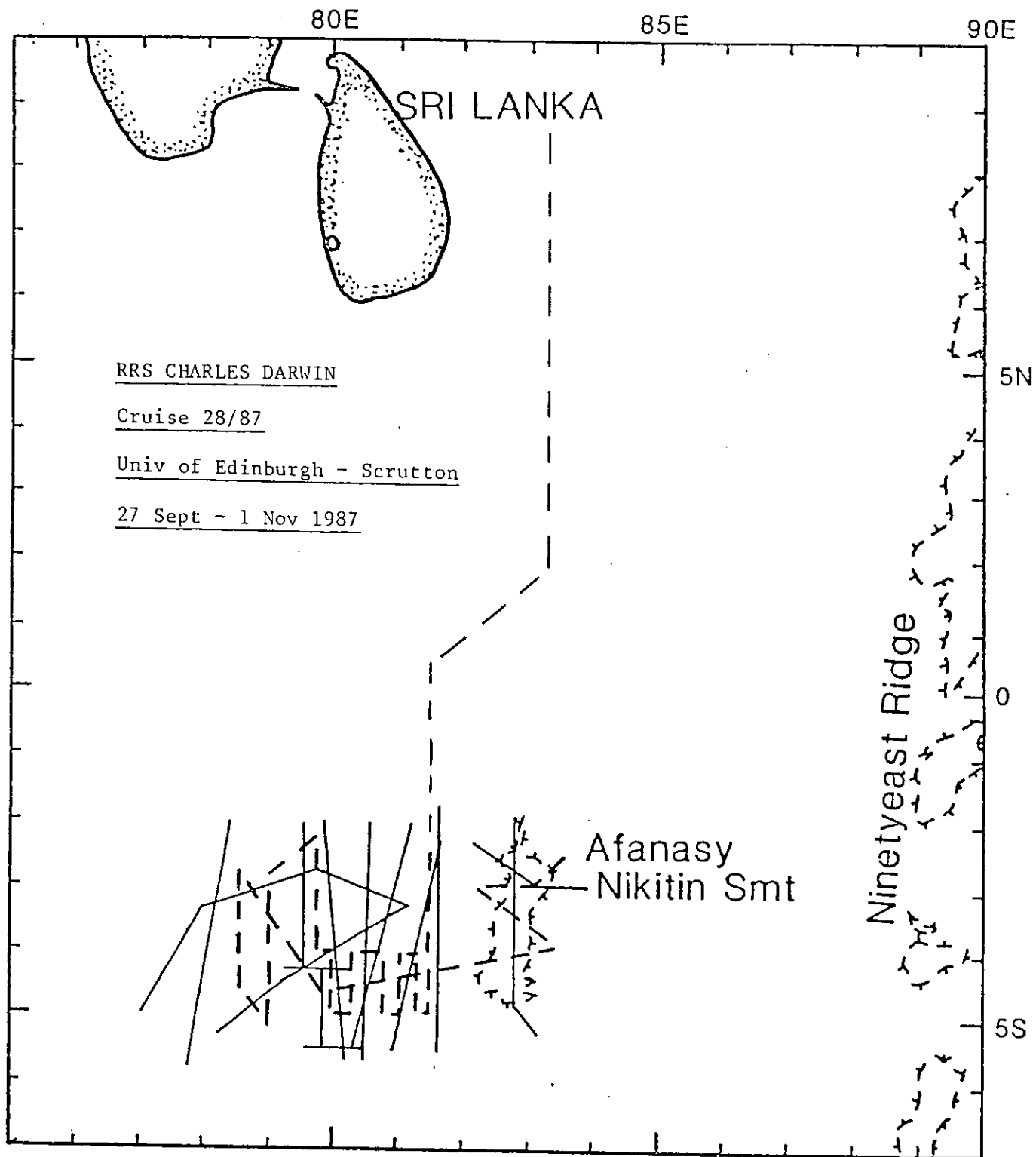
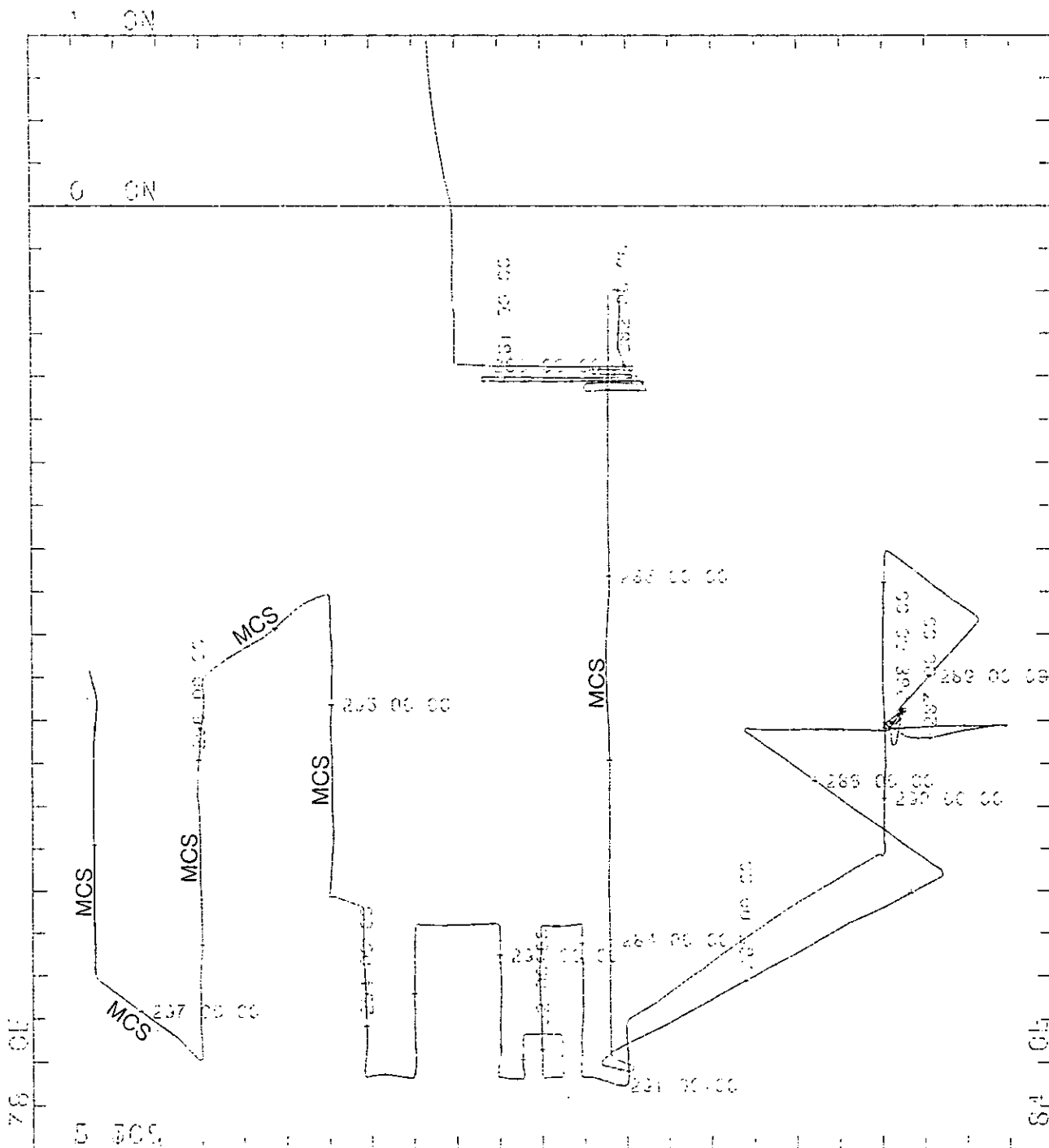


FIGURE 2. Sketch map of the proposed cruise tracks (dashed lines). Thin solid lines are existing tracks, other than those shown in Fig 4 in the ODP Leg 116 area. Pecked lines define the Afanasy Nikitin Seamount and the Ninetyeast Ridge.



R/S

MERCATOR PROJECTION

SCALE 1:4000000 (NATURAL SCALE AT LAT. 0)

INTERNATIONAL SPHEROID PROJECTED AT LATITUDE 0

GRID NO.

TRACK NO.

Charles Darwin (CD28) Dr R Scotton. (Edinburgh)

FIGURE 3. Track chart of RRS CHARLES DARWIN Cruise 28. Bathymetry, gravity and magnetic data were recorded along all tracks. Single-channel seismics and 3.5kHz sediment profiler were recorded along most tracks. Multi-channel seismics were recorded along tracks labelled MCS.

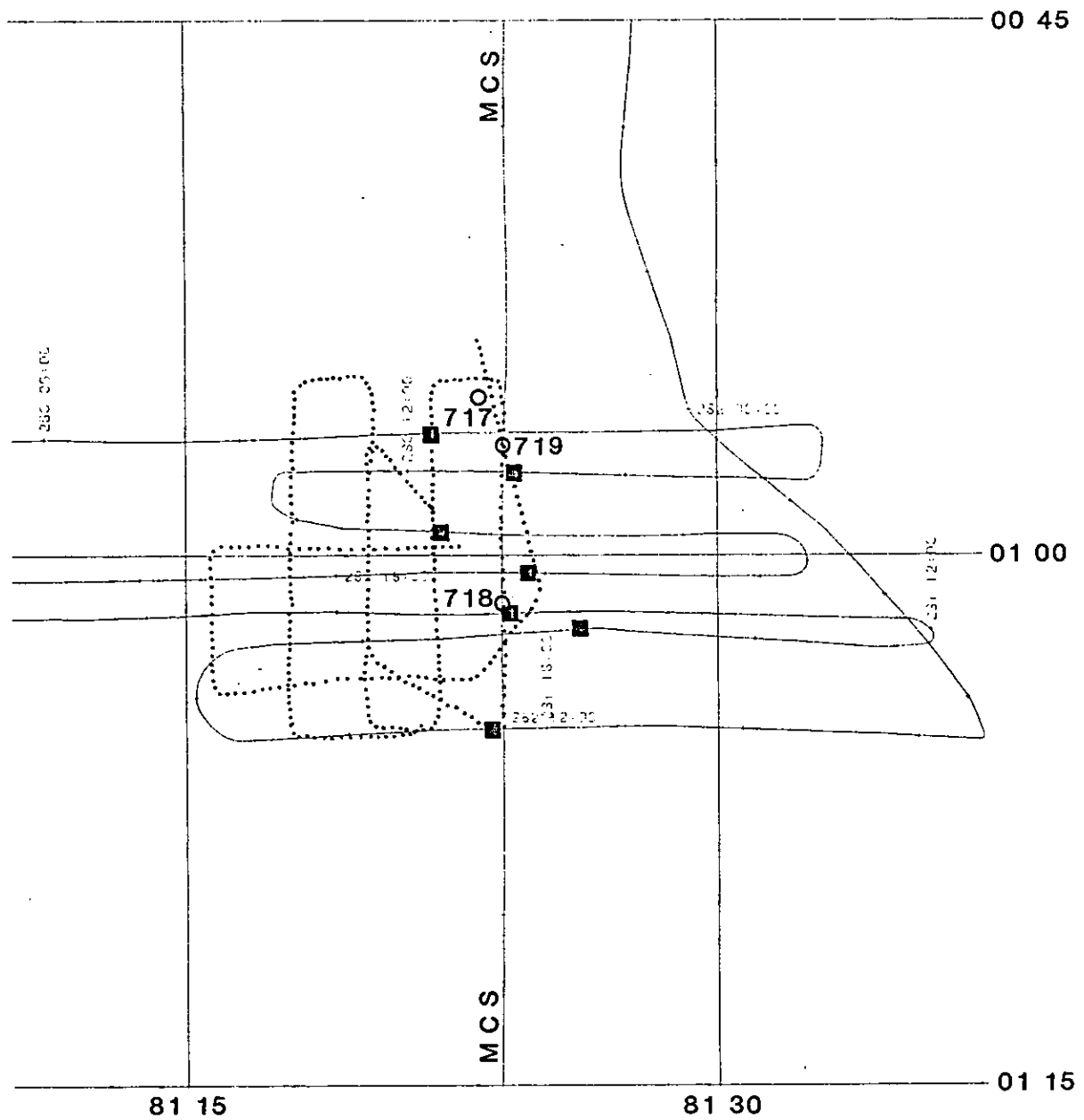


FIGURE 4. Detailed track chart of the area of the Leg 116 sites. Thin solid lines - DARWIN survey tracks; dotted lines - Lamont site survey lines; open circles - ODP sites; solid squares - DARWIN sonobuoy stations.

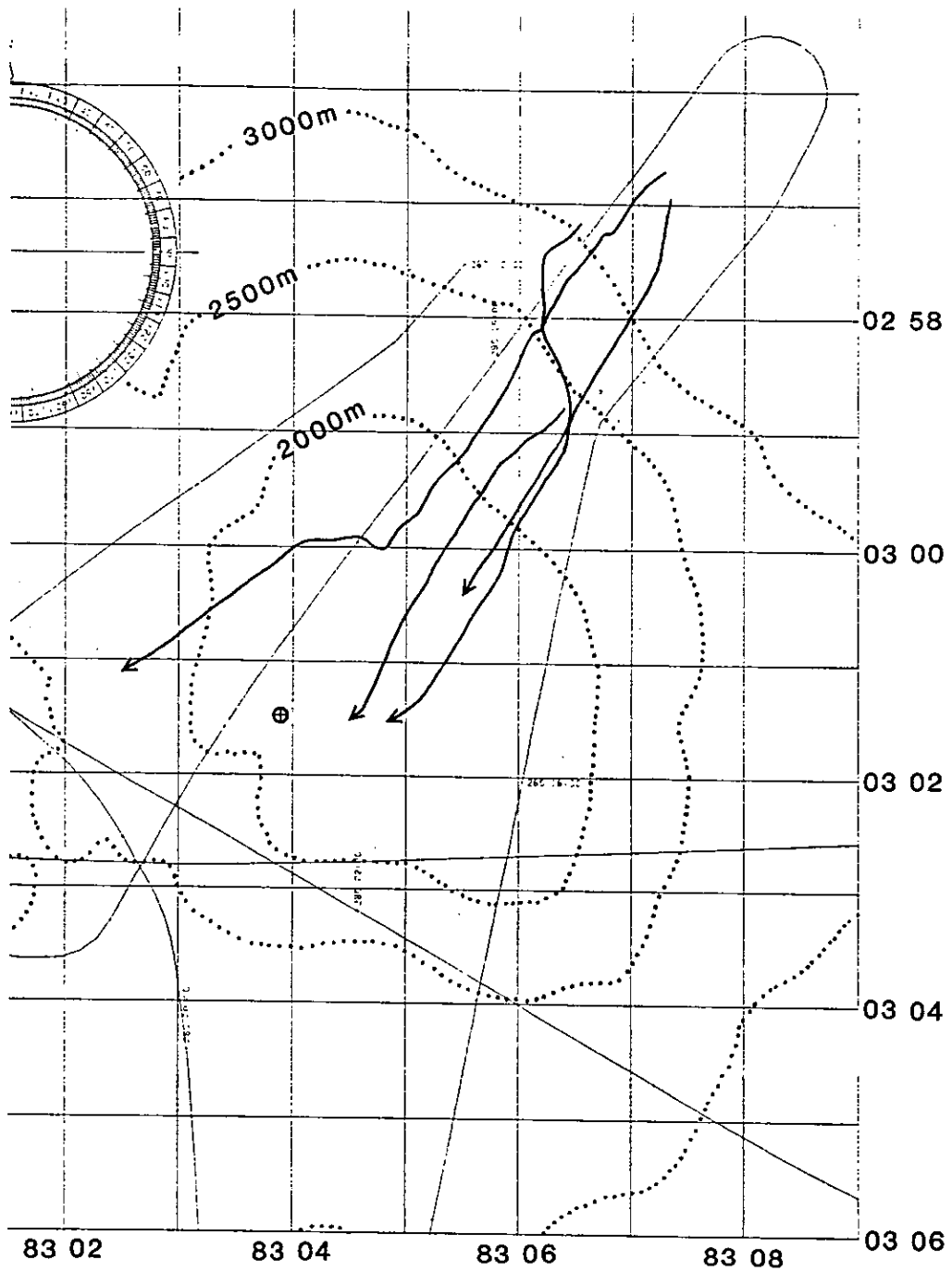


FIGURE 5. Detailed track chart over the summit of Afanasy Nikitin Seamount. Thin solid lines - DARWIN survey tracks: heavy solid lines - dredge tracks (dredge would have been about 2km astern): circled cross - piston core station: dotted lines - isobaths from Soviet source.