

**PROVISIONAL CRUISE REPORT**

VESSEL Swan Dancer 32ft Cygnus Marine stern trawler

Location Isles of Scilly Waverider site

Period 10.2.84 - 13.2.84

Personnel E J MOORE PTO III Senior Scientist  
A J MARKS SSO

Objectives To deploy buoy No 67043 on new mooring at original site of buoy No 67327.7 lost on 9.1.84.

Procedure and Methods EJM and AM on standby in Taunton for weather window and telephone call from skipper. Rendezvous with Swan Dancer on Harbour wall Hugh Town.

Departed home 1900 on 10.2.84, overnight stop in Penzance. BA helicopter flight at 0850 on 11.2.84.

Met by Denver Childs HM Coastguard and transported in CG Land Rover to Harbourmaster's Office. EJM spoke to Swan Dancer on VHF radio and arranged a meeting at 1030 to load equipment.

Sailed to site 1045, arrived on station 1230. Decca main chain was rolling badly but radar distance and bearing confirmed average readings.

The anchor was slipped from the stern roller and the  $\frac{1}{2}$ " chain surged round the winch drum, followed by the rope mooring. The rope was not removed from the cable reel but stopped before the end and the rubber cord mooring was shackled on. At this stage the buoy was deployed forward of the 'A' frame, the rubber cord having been passed outboard of the frame before attachment. The Swan Dancer was driven ahead very slowly to keep the mooring taut during the lay and a watch was kept until the mooring was straight and the buoy sitting to the tide.

Decca main chain readings were taken and confirmed with radar range and bearing to Bishop Rock Lighthouse.

Arrived alongside Hugh Town Harbour 1400.

Weather No wind, sea very calm but slight, long period swell.

Equipment performance No problems were encountered, the mooring was assembled on passage, the crew of Swan Dancer were very co-operative and helpful. The calm conditions made deployment very simple, safe, uneventful and very little water was present on deck.

Itinerary 9.2.84. 0900. Received message from skipper that conditions were suitable. Unable to depart until after the Visiting Group had departed on 10.2.84, but weather looked fine and checks with the Long Room at RAF Mountbatten confirmed this.

10.2.84. Left IOS 1730, left home 1900, arrived Penzance 2300.

11.2.84. Helicopter flight 0850.

11.2.84 (cont.)

0930 Contacted Swan Dancer on VHF from HM office.  
1000 Connected power cable and fitted transmitter aerial.  
Checked aerial transmission.  
1030 Sailed for site.  
1230 Deployed buoy.  
1400 Alongside Hugh Town.  
1800 Checked receiver unit in CG lookout Tower.

12.2.84.

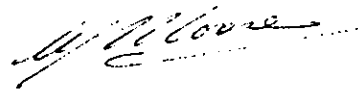
1000 Worked on receiver unit. AM signal OK, checked tapes  
and reception at 1500 and 1800.

13.2.84.

0915 Helicopter to Penzance.  
1015 Left for IOS(T).

Abridged  
details

Buoy No 67043  
Frequency 29.725 MHz  
Battery voltages 20.9 v  
Position : Decca Red 13.7 Purple 67.2  
Depth : 55 fathoms  
Deployed : 11.2.84  
Calibrated : 5.1.84  
Sensitivity : 1.84 Hz per metre



E J MOORE  
15 February 1984