

VESSEL: MFV 777, 'Devonian'

OWNER: John J McGuire
 5 Swan Court
 Dartmouth
 Devon
 Telephone: 080-43-3639

CRUISE PERIOD: 15 October 1980-19 October 1980

PERSONNEL: J D Humphery - HSO - Senior Scientist
 P M Hooper - HSO
 G N Crisp - HSO
 D C Raeburn - HEO
 F Wardle - SO
 G P Le Good - SO

ITINERARY: 15/10/80 - Rendezvous with Devonian at Kingswear jetty.
 Load equipment. Prepare Waverider and mooring;
 lash all gear securely.
 16/10/80 - Standby - gales in English Channel.
 17/10/80 - Standby - gales in English Channel.
 18/10/80 - Standby - gales in English Channel.
 19/10/80 - Sailed 0315 BST. Laid Waverider 0845 BST
 Rendezvous with Channel Light Vessel (CLV)
 0900 BST. G.N.C. and equipment onto
 Light Vessel. F.W. and G.Le G. joined
 Devonian. Sailed for Dartmouth, docking
 1600 BST approx. Returned to Taunton.

OBJECTIVES: To lay a Waverider buoy $\frac{1}{2}$ N mile ENE of Channel Light
 Vessel. To recover two scientists from light vessel who
 had been installing experimental equipment. To place
 on board light vessel one scientist to carry out experiment.

PROCEDURE AND METHODS: 15/10/80 - Rendezvous with Devonian at Kingswear jetty
 at 1100 BST. Loaded all equipment on board
 immediately. Launched inflatable. Moved
 Devonian to mid-river mooring buoy. Prepared
 space on after deck for inflatable storage.
 Energised Waverider for deployment. Flaked
 out and made up mooring on deck, lashed all
 in position. Weather forecast gave E6-8
 for 16th: postponed sailing until 17th.
 16/10/80 - Forecasts E-NE, 6-8. However, during a lull
 (eye of depression over Cherbourg peninsula)
 F.W., G.Le G. flew by helicopter to CLV to
 install equipment. J.H., P.M.H., D.C.R.,
 G.N.C. visited Start Point Lighthouse to
 monitor signal-strength of Start Bay Waverider.

- 17/10/80 - Forecasts NE 8-9. Depression moving slowly NE. Met. office suggested 19 October as being earliest that workable conditions would prevail.
- 18/10/80 - Forecast N 6-8, depression over N Sea. However wind moderating NW 4-6, going W-SW 3-4 later.
- 19/10/80 - Sailed 0315 after stowing inflatable on after deck. Wind NW 3-4. Arrived CLV 0815.

Deployed Waverider buoy over stern, lowered anchor and chain on a rope bight; when anchor on bottom, pulled bight clear. Checked time, depth, Decca Navigator position, tide, wind. Went alongside CLV. G.N.C. went aboard CLV with equipment. F.W., G.Le G. boarded Devonian. Tide now heading WSW, wind increasing W 5-6, sea state deteriorating rapidly. Checked Waverider position, departed for Dartmouth. Rough trip. Docked Kingswear 1600. Unloaded equipment, moored Devonian to mid-river buoy, recovered inflatable. Returned to Taunton.

EQUIPMENT PERFORMANCE:

Waverider was prepared at IOS(T) before departure, and energised at Dartmouth prior to sailing. Waverider and mooring deployed without difficulty. Signal-monitored and reported as satisfactory by G.Le G. before he left CLV.

Decca Navigator and Seascribe echo-sounder on board Devonian worked satisfactorily.

POSITIONS:

Channel Light Vessel occupies position:

49° 54' 36" N

02° 55' 30" W

Waverider No 67214 laid in Decca Navigator position:

| | | |
|--------|---|-------|
| Red | G | 20.23 |
| Green | A | 39.58 |
| Purple | B | 76.02 |

Estimated position of Waverider relative to light vessel - 600 m ENE.

Depth recorded - 35 fathoms at high tide.

Estimated mean water depth 64.5 m.

Wind W 5-6, sea 1.5-2.0 m, deteriorating rapidly.

Tide pulling W.

Prepared by:

John Humphery

J D HUMPHERY

Approved by:

A.P. Salkield

A P SALKIELD

Date: 28-10-80.