



Notice to Mariners

South West Approaches

Autosub Long Range (A.L.R.) Autonomous Underwater Vehicle (A.U.V.) Long Distance Proving Trial (L.D.P.T.)

For the period: 051020 to 091120

One [1] Autonomous Underwater Vehicle (AUV) , vehicle name Autosub Long Range 4 (ALR4) is to be deployed from Plymouth. This will then transit to the continental shelf edge to conduct scientific and engineering trials, before returning to Plymouth for recovery.

The AUV is yellow, 3.4 long, 0.9m wide with a WSP of 1.3Knts. 1 white strobe is bow mounted with an additional white strobe tail fin mounted.

When on mission, the AUV will not be ship escorted and will be periodically surfacing for over horizon communications. This surfacing will vary from every 3 to 48 hours.

The AUVs position on surfacing will be monitored, when on the surface we have the ability to control and re task the AUV. Its depth along the route will vary from 10m below surface at the start (WP1-WP2) to 20m below surface for most of the deployment. The altitude of the AUV from the sea bed will range from 20m altitude to 50m altitude. Whilst the AUV will be programmed to follow these way points, it is possible its position will be 1Nm either side of the intended track due to effects of tidal current.

The AUV is fitted with oceanographic sensors (CTD, Optical Backscatter and Chlorophyll) NO PASSIVE ACCOSTIC RECODERS ARE FITTED FOR THIS DEPLOYMENT.

Way point list below.

<i>1:50.322841N</i>	<i>4.149737W</i>
<i>2:50.249881N</i>	<i>4.210861W</i>
<i>3:50.246667N</i>	<i>4.382667W</i>
<i>4:50.201133N</i>	<i>4.386833W</i>

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<i>5:50.042624N</i>	<i>4.362578W</i>
<i>6:49.913633N</i>	<i>4.51555W</i>
<i>7:49.870006N</i>	<i>4.77594W</i>
<i>8:49.797376N</i>	<i>5.218542W</i>
<i>9:49.773831N</i>	<i>5.846192W</i>
<i>10:49.782033N</i>	<i>7.09455W</i>
<i>11:49.55956N</i>	<i>7.154835W</i>
<i>12:49.361421N</i>	<i>8.562283W</i>
<i>13:48.387857N</i>	<i>9.242218W</i>
<i>14:48.32505N</i>	<i>9.720759W</i>
<i>15:48.201544N</i>	<i>9.691386W</i>
<i>16:47.855928N</i>	<i>10.265773W</i>
<i>17:47.566951N</i>	<i>10.761118W</i>

CANCEL THIS NTM 2300 UTC 9 NOV 20

PLEASE KEEP SHARP LOOK OUT FOR THIS VESSEL AND KEEP WELL CLEAR.

Further information can be obtained by:

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AUV on surface



