

NOTICE to MARINERS –15th Jan 2014

Subject: Met Ocean Survey

Two metocean buoys are deployed at the National Renewable Energy Centre (Narec), Blyth at the locations provided below, to measure (1) wind speed and direction and (2) waves and currents;

	Decimal Degrees	
	Latitude	Longitude
Floating LiDAR Buoy (1)	55.145067	-1.419317
Floating Buoy (2)	55.143998	-1.421294

PLEASE NOTE:

1. Specifications of the wind speed and direction measurement device

A standard marine buoy is located at NAREC and will be serviced at 6 weekly intervals, and remain in place until further notice. The buoy is painted to IALA standard and is equipped with a radar reflector and an amber navigation light set to flash 5 times at 1Hz every 20 seconds. Its size is 4 metres x 9 metres (m) (5m above/4m below the water line) with a maximum weight of 7 tonnes.

The mooring system is through the use of two delta flipper anchors with riser chains (maximum 220m each) and single connection to the buoy. Some of the chain will lie on the seabed, The anchors are 220m North and South of the buoy Location.

There are two pennant buoys floating on the surface above each of the two seabed anchors. The pennant buoys are yellow, 1m long, diameter of 0.5m. they are attached to the anchor by steel wire.

2. Specifications of wave and current measurement buoy

A directional wave rider (DWR) buoy is located at NAREC and will be serviced at 6 weekly intervals, and remain in place until further notice. The DWR buoy is painted to IALA standard and is equipped with an amber navigation light set to flash 5 times at 1Hz every 20 seconds. Its size is 0.9m diameter and is spherical in shape.

The DWR buoy is moored to the seabed through a single bungee line attaching to the buoy which may float depending on current speeds. The result of this mooring configuration is a large excursion of the buoy about its mooring; we ask that passing vessels give the buoy a wide berth of approximately 300m.

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