

METOCEAN BUOY OPERATIONS

NATIONAL RENEWABLE ENERGY CENTRE, OFFSHORE BLYTH

NOTICE TO MARINERS

Offshore Operations Planned for Tuesday 17th and Wednesday 18th December 2019 using the vessel Dutch Pearl

AXYS Technologies will be doing an offshore deployment of the FLiDAR WindSentinel™ F140 and FLiDAR WindSentinel™ F150 and a recovery of the FLiDAR WindSentinel™ F80 with the Dutch Pearl vessel (Figure 1) at the National Renewable Energy Centre (NaREC) within the vicinity of the Meteorological Mast, offshore Blyth – Tuesday 17th and Wednesday 18th December 2019.

The FLiDAR WindSentinel™ F140 buoy will be deployed first and weather permitting followed by FLiDAR WindSentinel™ F150. The FLiDAR WindSentinel™ F80 will be recovered. The locations of the buoys are provided below (Table 1).



Figure 1 - Dutch Pearl vessel to be used for deployment and recovery operations.

Table 1 Coordinates (WGS84) of the FLiDAR WindSentinel™ buoys

Buoy	Operation	Depth LAT (m)	Latitude (WGS84)	Longitude (WGS84)	Latitude (WGS84)	Longitude (WGS84)
FLiDAR WindSentinel F80	Recovery	~ 32 m	55.145418	-1.419184	55 'N	001 'W
FLiDAR WindSentinel F140	Deployment	~ 32 m	55.148467	-1.423317	55 'N	001
FLiDAR WindSentinel F150	Deployment	~ 32 m	55.148050	-1.420317	55 'N	001

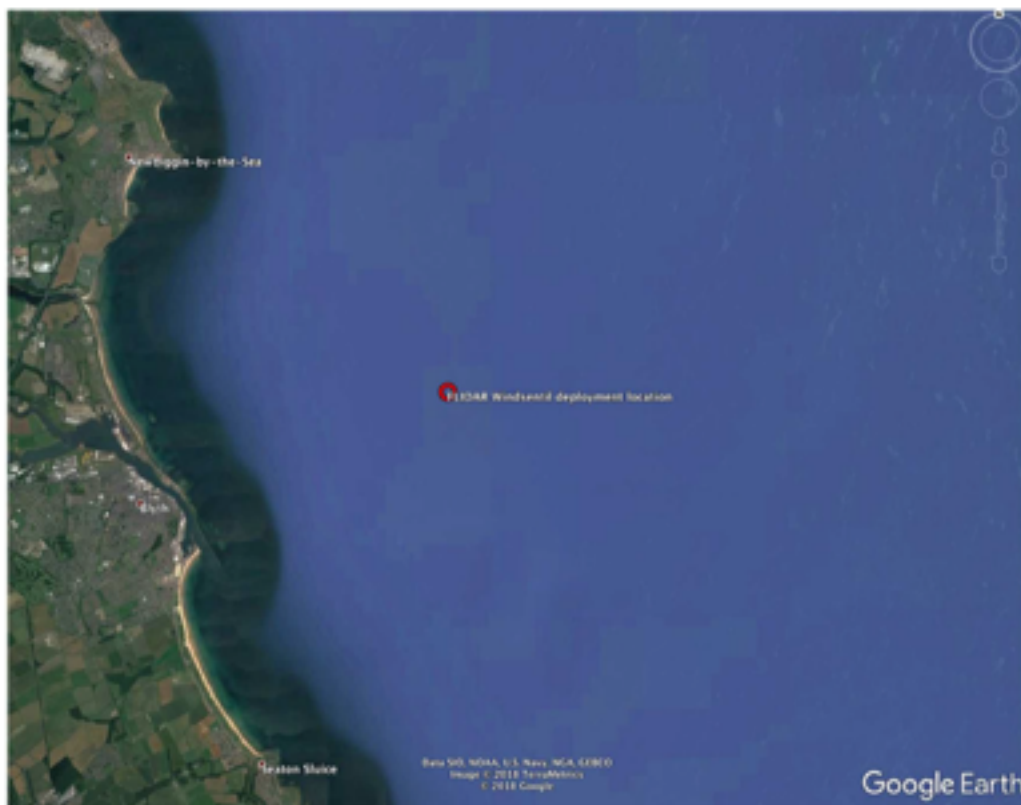


Figure 2 - Location of operations.

The F140 buoy is painted to IALA standard and has an amber navigation light set to flash 5 times at 1Hz every 20 seconds.

The F80 buoy has a broken navigation light which is why this buoy will either be recovered (preferred) or if not possible, we will attempt to put a new light on the buoy.

All equipment (including ground weights) will be removed at the end of the study.

Operations are planned for Tuesday 17th and Wednesday 18th December 20, subject to metocean conditions.

FLIDAR WINDSENTINEL METOCEAN BUOYS

The FLiDAR WindSentinel metocean buoy records wind speed and direction, waves and currents and is anchored to the seabed by means of a mooring chain (87.5 m) and a sinker weight (4 T). The buoy has dimensions of 6 m length and 3 m width and when deployed the tallest mast on the buoys sits 4m above the water line (Figure 3).



Figure 3 - FLiDAR WindSentinel metocean buoy as deployed.

For further information please contact:

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