

## Rustington Directional WaveRider Buoy

### Location

OS: 506331E 93784N

WGS84: Latitude: 50°44.0365'N Longitude: 00°29.6765'W

### Water Depth

9.9m CD

### Instrument Type

Datawell Directional WaveRider Buoy Mk III

### Data Quality

C1(%)	Sample interval
44	30 minutes

### Annual Means

Rustington 2003							
Month	H <sub>s</sub>	H <sub>max</sub>	T <sub>p</sub>	T <sub>m</sub>	Direction	SST	No. of days
	(m)	(m)	(s)	(s)	(°)	(°C)	
January	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-
July	0.745	1.164	5.3	3.5	213	19.3	17
August	0.504	0.787	4.6	3.1	179	20.0	28
September	0.499	0.772	5.9	3.4	192	18.3	28
October	0.864	1.360	5.2	3.5	181	14.6	31
November	1.104	1.703	7.8	4.1	196	12.5	28
December	1.023	1.602	6.4	3.9	192	9.8	30

Tables and plots of these values, together with the minimum and maximum values and the standard deviation are available on the website.

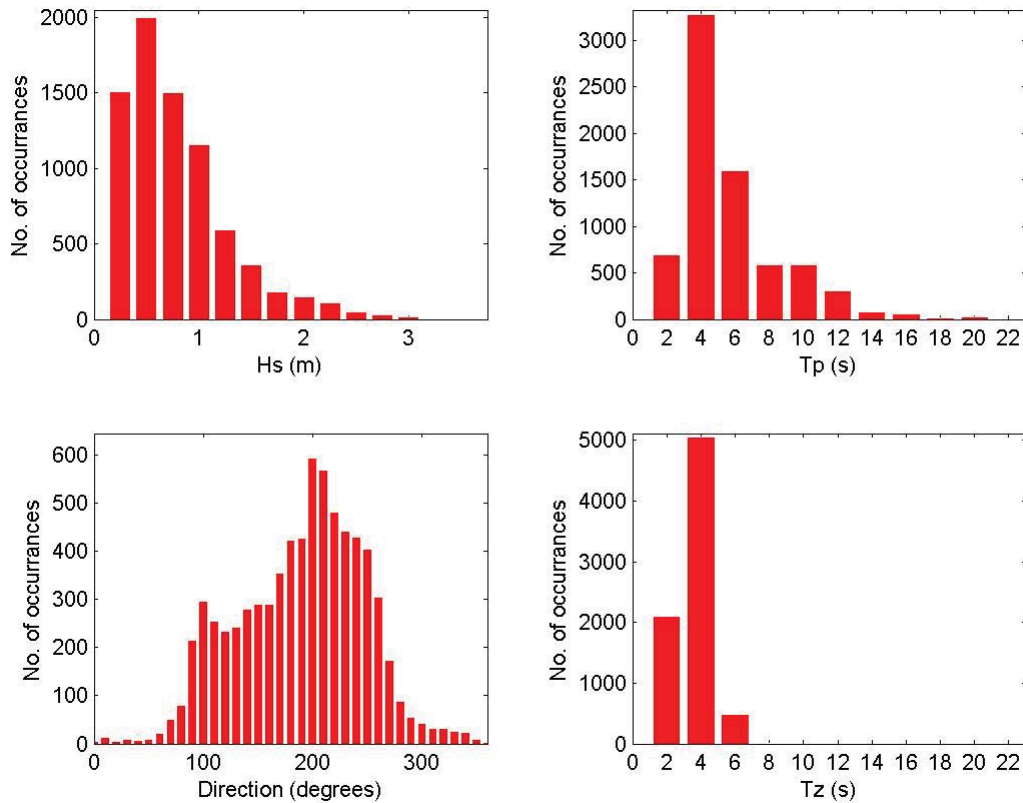
5 Highest storm events in 2003	
Date/Time	H <sub>s</sub> (m)
29-Nov-2003 13:00	3.34
26-Nov-2003 08:00	3.21
20-Dec-2003 14:30	3.09
03-Nov-2003 06:00	3.02
02-Nov-2003 11:30	2.96

Year	Annual H <sub>s</sub> exceedance* (m)				
	0.5%	1%	2%	5%	10%
2003	2.76	2.47	2.27	1.85	1.45
2004					
2005					

\* i.e. 5 % of the H<sub>s</sub> values measured in 2003 exceeded 1.85m

Distribution plots

## Rustington (July to December 2003)

General

The buoy was first deployed on 9 July 2003.

Note that the wave directions recorded by the Datawell Directional WaveRider Mk III were found to be contaminated by a significant tidal signature, compounded by the on-board data processing. The buoy received new electronics to fix this problem in February 2004; wave directions measured during 2003 should be regarded with caution.