

Supplementary Materials

Table S1. HFr retrieval along the RC3, RC5, RC7 at SORR, CAST and PORT from May 2008 to December 2012.

RCs	Year	SORR	CAST	PORT	TOTAL DATA
RC3	2008	967	269	795	5880
RC5		1590	694	705	
RC7		1742	728	580	
RC3	2009	1368	451	1079	8760
RC5		2553	1301	936	
RC7		2712	1458	756	
RC3	2010	2556	576	1471	8760
RC5		2556	1888	1342	
RC7		2703	2450	1040	
RC3	2011	847	139	596	8760
RC5		1464	742	335	
RC7		1586	800	283	
RC3	2012	1372	498	1820	8784
RC5		2393	1416	1298	
RC7		2457	1599	1017	

Table S2. List of the sea storm events retrieved along the RC3, RC5, RC7 at SORR, CAST and PORT from May 2008 to December 2012. In the table are reported the start date and end date of events, duration (h), Energy content (m2h), Class storm, Wind Direction from ISPRA weather station (°N), Mean Wave Direction from MWM (°N) and Directional Spreading Deviation.

RC	Site	Start date	End date	Duration (h)	Energy content (m ² h)	Class storm	WD (°N)	MWD (°N)	DSD
3	SORR	19/05/2008 21:00	22/05/2008 23:00	74	397,30II	203,27242,0832,92			
3	PORT	20/05/2008 19:00	21/05/2008 11:00	16	114,78I	201,059	222,7829,28		
3	CAST	20/05/2008 18:00	21/05/2008 22:00	28	79,11 I	193,48245,6418,82			
3	SORR	04/06/2008 00:00	05/06/2008 23:00	47	176,30I	186,29263,6126,80			
3	SORR	23/07/2008 13:00	23/07/2008 23:00	10	35,30 I	227,64281,9226,99			
3	SORR	24/07/2008 16:00	24/07/2008 23:00	7	32,49 I	235	281,9225,82		
3	SORR	13/09/2008 08:00	13/09/2008 23:00	15	52,66 I	234,06248,4735,04			
3	SORR	03/10/2008 00:00	04/10/2008 11:00	35	152,06I	201,06264,0226,27			

3	SORR 29/10/2008 23:00	30/10/2008 23:00	24	203,74I	220,28227,2629,89
3	SORR 01/11/2008 03:00	01/11/2008 23:00	20	89,06 I	197,38227,2633,12
3	PORT 30/10/2008 08:00	31/10/2008 03:00	19	39,26 I	217,85218,7549,24
3	SORR 21/11/2008 01:00	21/11/2008 23:00	22	208,19I	239,61232,7228,40
3	SORR 24/11/2008 12:00	25/11/2008 14:00	26	137,70I	178,44232,7235,63
3	SORR 28/11/2008 07:00	29/11/2008 23:00	40	302,71II	191,34232,7229
3	PORT 21/11/2008 18:00	22/11/2008 21:00	27	73,45 I	171 224,2727,62
3	PORT 24/11/2008 16:00	24/11/2008 23:00	7	35,97 I	193,25224,2719,85
3	PORT 28/11/2008 09:00	30/11/2008 11:00	50	205,21I	192,74224,2727,27
3	SORR 01/12/2008 00:00	02/12/2008 09:00	33	184,49I	190,41236,5231,15
3	SORR 04/12/2008 15:00	06/12/2008 23:00	56	523,38III	226,54236,5231,11
3	PORT 01/12/2008 06:00	02/12/2008 07:00	25	85,56 I	193,19228,8525,19
3	PORT 05/12/2008 01:00	06/12/2008 11:00	34	161,77I	212,57228,8542,36
3	CAST 05/12/2008 06:00	07/12/2008 01:00	43	159,02I	223,57253,6321,10
3	SORR 12/12/2008 01:00	12/12/2008 23:00	22	178,11I	204,61232,0228,64
3	SORR 13/12/2008 15:00	13/12/2008 23:00	8	29,73 I	122 232,0228,07
3	PORT 11/12/2008 00:00	11/12/2008 12:00	12	48,50 I	201,46212,2523,54
3	PORT 12/12/2008 11:00	13/12/2008 12:00	25	58,96 I	209,04212,2540,29
3	PORT 15/12/2008 20:00	16/12/2008 11:00	15	40,04 I	132,69212,2522,53
3	CAST 13/12/2008 00:00	13/12/2008 18:00	18	35,56 I	193,10243,9316,56
3	SORR 01/01/2009 12:00	01/01/2009 23:00	11	85,93 I	210,17233,0931,88
3	SORR 02/01/2009 21:00	03/01/2009 10:00	13	80,11 I	160,36233,0933,31
3	PORT 01/01/2009 12:00	02/01/2009 02:00	14	32,29 I	210,6 223,7030,32
3	SORR 14/01/2009 12:00	15/01/2009 07:00	19	98,66 I	185,5 203,6729,55
3	SORR 04/02/2009 03:00	04/02/2009 20:00	17	95,44 I	225,94246,9329,55

3	SORR 06/02/2009 15:00	07/02/2009 02:00	11	69,19 I	174	246,9332,20
3	SORR 07/02/2009 09:00	09/02/2009 23:00	62	316,50II	192,95246,9328,81	
3	SORR 10/02/2009 12:00	11/02/2009 22:00	34	359,71II	244,8	246,9325,77
3	PORT 10/02/2009 22:00	12/02/2009 09:00	35	67,31 I	240,78228,7233,75	
3	SORR 05/03/2009 12:00	05/03/2009 23:00	11	176,27I	232,25252,1031,75	
3	SORR 08/03/2009 13:00	09/03/2009 23:00	34	144,40I	211,086	252,1025,54
3	PORT 05/03/2009 03:00	06/03/2009 07:00	28	126,72I	197,79225,3132,12	
3	SORR 23/03/2009 14:00	25/03/2009 23:00	57	333,89II	218,14262,8727,06	
3	SORR 28/04/2009 03:00	30/04/2009 11:00	56	330,72II	215,03256,9028,15	
3	SORR 01/05/2009 12:00	01/05/2009 23:00	11	28,48 I	168,33256,9027,60	
3	CAST 28/04/2009 07:00	29/04/2009 01:00	18	58,77 I	220,79255,0818,17	
3	CAST 29/04/2009 16:00	30/04/2009 16:00	24	68,18 I	207,4	255,0820,38
3	PORT 28/04/2009 12:00	28/04/2009 22:00	10	27,86 I	211,09232,4422,24	
3	SORR 01/06/2009 19:00	02/06/2009 11:00	16	139,38I	227,71256,9228,85	
3	SORR 21/06/2009 07:00	21/06/2009 23:00	16	90,45 I	187,18256,0926,49	
3	SORR 12/10/2009 12:00	12/10/2009 23:00	11	115,96I	192,42253,3930,94	
3	SORR 03/11/2009 00:00	03/11/2009 23:00	23	209,78I	249,96252,3625,73	
3	SORR 04/11/2009 20:00	05/11/2009 15:00	19	115,62I	225,5	252,3632,12
3	SORR 08/11/2009 07:00	09/11/2009 11:00	28	198,11I	171,31252,3632,09	
3	CAST 08/11/2009 08:00	08/11/2009 19:00	11	40,34 I	216,08252,2620,11	
3	PORT 08/11/2009 06:00	09/11/2009 15:00	33	71,67 I	163,5	226,9430,85
3	SORR 28/11/2009 09:00	28/11/2009 23:00	14	50,69 I	132,18232,7135,75	
3	SORR 01/12/2009 00:00	01/12/2009 16:00	16	96,44 I	212,82259,6437,24	
3	SORR 08/12/2009 13:00	09/12/2009 18:00	29	109,36I	154,67259,6436,47	
3	PORT 05/12/2009 01:00	05/12/2009 11:00	10	29,25 I	135,36234,0742,24	

3	SORR 16/12/2009 12:00	17/12/2009 11:00	23	135,40I	182,04257,4123,39
3	SORR 27/12/2009 00:00	29/12/2009 05:00	53	427,73II	182,04254,8027,87
3	SORR 01/01/2010 00:00	03/01/2010 11:00	59	875,54IV	242,88248,5227,35
3	SORR 05/01/2010 22:00	07/01/2010 11:00	37	282,54II	206,84248,5232,91
3	SORR 10/01/2010 08:00	10/01/2010 23:00	15	184,07I	222,19248,5228,67
3	CAST 01/01/2010 04:00	01/01/2010 11:00	7	28,40 I	237,62249,5521,24
3	PORT 01/01/2010 06:00	01/01/2010 23:00	17	67,29 I	241,78226,0253,54
3	PORT 09/01/2010 03:00	10/01/2010 23:00	44	128,93I	182,76226,0239,22
3	SORR 01/02/2010 00:00	01/02/2010 17:00	17	89,53 I	125,61251,1543,14
3	SORR 03/02/2010 13:00	03/02/2010 23:00	10	25,30 I	180,25251,1525,21
3	SORR 05/02/2010 17:00	06/02/2010 23:00	30	393,85II	219,71251,1527,72
3	SORR 10/02/2010 13:00	11/02/2010 22:00	33	364,49II	230,65251,1527,20
3	SORR 04/03/2010 05:00	06/03/2010 08:00	51	434,47II	213,33184,6735,12
3	SORR 07/03/2010 16:00	08/03/2010 11:00	19	77,89 I	27,65 184,6741,31
3	SORR 10/03/2010 15:00	10/03/2010 23:00	8	55,27 I	246,22184,6732,88
3	PORT 11/03/2010 05:00	11/03/2010 22:00	17	33,11 I	207,89218,5945,67
3	SORR 31/03/2010 00:00	31/03/2010 11:00	11	55,84 I	245,67263,9437,52
3	SORR 01/04/2010 12:00	03/04/2010 17:00	53	147,82I	169,09263,9428,50
3	SORR 05/04/2010 00:00	06/04/2010 22:00	46	337,69II	223,79263,9431,65
3	SORR 19/04/2010 07:00	21/04/2010 11:00	52	255,05II	181,92270,8124,94
3	SORR 05/05/2010 17:00	08/05/2010 23:00	78	365,04II	209,42245,0429,67
3	SORR 13/05/2010 12:00	14/05/2010 16:00	28	62,16 I	185,89249,7531,84
3	SORR 15/05/2010 02:00	18/05/2010 23:00	93	1,01E+03 IV	209,97249,7526,73
3	CAST 16/05/2010 13:00	17/05/2010 16:00	27	141 I	227,5 251,0815,08
3	SORR 30/05/2010 16:00	31/05/2010 11:00	19	138,13I	197,15260,9828,22

3	SORR 03/06/2010 08:00	03/06/2010 23:00	15	37,47 I	201,19257,7926,51
3	SORR 18/06/2010 19:00	21/06/2010 11:00	64	436,08II	195,11265,1927,73
3	SORR 22/06/2010 05:00	22/06/2010 17:00	12	64,08 I	155,23265,1934,13
3	SORR 24/06/2010 12:00	25/06/2010 11:00	23	51,77 I	141,25265,1923,81
3	SORR 24/07/2010 06:00	25/07/2010 07:00	25	179,96I	181,54272,3526,28
3	SORR 28/08/2010 16:00	29/08/2010 11:00	19	71,28 I	172,2 264,4620,49
3	SORR 30/08/2010 12:00	30/08/2010 23:00	11	65,56 I	250,67264,4624,12
3	SORR 25/09/2010 09:00	28/09/2010 16:00	79	566,44III	199,62264,4424,14
3	CAST 26/09/2010 04:00	27/09/2010 01:00	21	84,87 I	231,5 258,6917,57
3	SORR 14/10/2010 15:00	16/10/2010 11:00	44	192,93I	128,98241,1124,67
3	SORR 17/10/2010 04:00	17/10/2010 11:00	7	39,98 I	164,87241,1129,86
3	SORR 08/11/2010 03:00	09/11/2010 11:00	32	597,82III	216,79228,0636,44
3	CAST 09/11/2010 08:00	09/11/2010 23:00	15	53,67 I	209,81244,5718,46
3	PORT 08/11/2010 07:00	10/11/2010 23:00	64	271,05II	211,74223,6132,60
3	SORR 18/11/2010 09:00	19/11/2010 11:00	26	218,86I	177,48241,2933,02
3	SORR 21/11/2010 20:00	23/11/2010 23:00	51	589 III	202,54241,2928,74
3	PORT 23/11/2010 18:00	24/11/2010 15:00	21	45,20 I	243,32228,2424,57
3	SORR 01/12/2010 09:00	05/12/2010 17:00	104	939,87IV	179,84247,6227,83
3	PORT 01/12/2010 16:00	03/12/2010 14:00	46	95,41 I	215,96226,2251,21
3	SORR 15/12/2010 13:00	16/12/2010 11:00	22	47,14 I	56,70 163,0446,03
3	SORR 17/12/2010 19:00	18/12/2010 23:00	28	581,12III	234,65163,0430,25
3	PORT 17/12/2010 17:00	18/12/2010 11:00	18	99,48 I	238,26231,4944,26
3	SORR 24/12/2010 04:00	26/12/2010 18:00	62	589,89III	184,84225,1228,70
3	PORT 25/12/2010 02:00	25/12/2010 22:00	20	42,51 I	221,52220,3549,88
3	SORR 16/02/2011 14:00	16/02/2011 23:00	9	82,73 I	204,3 130,5134,32

3	PORT 16/02/2011 09:00	17/02/2011 07:00	22	65,13	I	195,35223,6824,66
3	SORR 03/05/2011 13:00	03/05/2011 23:00	10	34,23	I	218,26248,6238,02
3	SORR 01/06/2011 21:00	02/06/2011 06:00	9	103,65	I	187,17255,9630,65
3	SORR 03/12/2011 18:00	04/12/2011 23:00	29	135,40	I	190,34241,3732,66
3	SORR 05/01/2012 12:00	05/01/2012 23:00	11	101,68	I	234,40267,2224,61
3	SORR 06/01/2012 18:00	07/01/2012 10:00	16	42,48	I	184,86267,2236,25
3	SORR 07/04/2012 13:00	08/04/2012 23:00	34	214,07	I	199,25253,1727,78
3	SORR 11/04/2012 16:00	11/04/2012 23:00	7	38,62	I	244,10253,1732,72
3	SORR 14/04/2012 08:00	15/04/2012 11:00	27	312,23	II	239,45253,1726,10
3	SORR 18/04/2012 09:00	21/04/2012 11:00	74	547	III	214,75253,1729,49
3	SORR 25/04/2012 00:00	25/04/2012 14:00	14	67,75	I	234,56253,1724,30
3	PORT 08/04/2012 16:00	09/04/2012 11:00	19	60,52	I	72,94 231,7 29,31
3	SORR 07/05/2012 00:00	08/05/2012 23:00	47	186,40	I	187,44249,8928,59
3	SORR 21/05/2012 12:00	24/05/2012 11:00	71	272,77	II	182,30245,6028,92
3	PORT 22/05/2012 06:00	23/05/2012 10:00	28	64,86	I	154,44231,5533,50
3	SORR 05/06/2012 04:00	05/06/2012 23:00	19	77,65	I	172,61266,3720,46
3	SORR 01/09/2012 00:00	01/09/2012 14:00	14	52,58	I	295,42251,7519,52
3	SORR 06/09/2012 02:00	06/09/2012 11:00	9	63,78	I	256,65251,7525,59
3	PORT 04/09/2012 12:00	05/09/2012 04:00	16	38,99	I	141,12226,2530,63
3	SORR 02/10/2012 12:00	03/10/2012 23:00	35	142,52	I	220,93266,3620,91
3	SORR 09/10/2012 12:00	09/10/2012 23:00	11	33,27	I	193,01259,9427,12
3	SORR 16/10/2012 00:00	17/10/2012 00:00	24	167,42	I	222,27254,3629,97
3	SORR 27/10/2012 06:00	29/10/2012 23:00	65	811,73	IV	226,29243,4830,99
3	PORT 26/10/2012 20:00	27/10/2012 23:00	27	72,99	I	208,18220,3925,43
3	PORT 29/10/2012 07:00	29/10/2012 23:00	16	57,16	I	151,99220,3936,32

3	SORR 28/11/2012 13:00	30/11/2012 11:00	46	1,07E+03	IV	209,17234,0332,17
3	CAST 28/11/2012 22:00	29/11/2012 23:00	25	107,06I		206,77244,7219,45
3	PORT 28/11/2012 08:00	30/11/2012 16:00	56	323,11II		197,11214,2829,24
3	SORR 14/12/2012 19:00	16/12/2012 12:00	41	147,31I	NaN	251,8934,61
3	SORR 17/12/2012 08:00	19/12/2012 11:00	51	256,63II		105,24251,8926,60
3	CAST 17/12/2012 17:00	17/12/2012 23:00	6	64,57 I	80,11	249,0414,42
3	SORR 27/12/2012 11:00	27/12/2012 23:00	12	36,65 I		276,96265,2726,09
5	SORR 20/05/2008 02:00	22/05/2008 23:00	69	670,16III		201,97235,1331,81
5	PORT 20/05/2008 07:00	21/05/2008 11:00	28	261,03II		197,03224,8736,38
5	CAST 19/05/2008 22:00	22/05/2008 20:00	70	274,92II		201,65244,8220,03
5	SORR 03/06/2008 22:00	05/06/2008 23:00	49	217,36I		188,24262,3326,87
5	SORR 06/06/2008 13:00	08/06/2008 23:00	58	160,75I		187,58262,3326,46
5	CAST 04/06/2008 09:00	05/06/2008 23:00	38	116,08I		211,13258,7019,62
5	SORR 22/07/2008 11:00	22/07/2008 22:00	11	40 I	96,5	281,0635,78
5	SORR 23/07/2008 12:00	24/07/2008 23:00	35	148,40I		190,97281,0626,61
5	SORR 13/09/2008 07:00	13/09/2008 23:00	16	71,48 I		232,18249,0535,43
5	SORR 15/09/2008 11:00	16/09/2008 11:00	24	62,59 I		186,44249,0532,14
5	SORR 03/10/2008 00:00	05/10/2008 18:00	66	320,99II		197,18267,7225,85
5	CAST 04/10/2008 00:00	04/10/2008 11:00	11	83,41 I		237,42262,6422,52
5	SORR 29/10/2008 21:00	31/10/2008 07:00	34	324,89II		212,77226,4430,15
5	SORR 01/11/2008 02:00	01/11/2008 23:00	21	135,83I		197,68226,4432,58
5	PORT 29/10/2008 12:00	31/10/2008 05:00	41	96,91 I		202,79222,1836,95
5	CAST 30/10/2008 00:00	30/10/2008 11:00	11	41,60 I		219,08237,4321,38
5	SORR 21/11/2008 00:00	21/11/2008 23:00	23	240,27I	243	232,4228,52
5	SORR 24/11/2008 12:00	26/11/2008 04:00	40	346,48II		169,63232,4236,22

5	SORR 28/11/2008 09:00	30/11/2008 23:00	62	622,92III	188,95232,4232,14
5	PORT 21/11/2008 18:00	22/11/2008 21:00	27	89,68 I	171 224,1227,62
5	PORT 24/11/2008 16:00	25/11/2008 13:00	21	115,86I	183,77224,1229,35
5	PORT 28/11/2008 09:00	30/11/2008 23:00	62	273,88II	188,95224,1226,81
5	SORR 01/12/2008 00:00	02/12/2008 11:00	35	337,88II	184,67229,6330,88
5	SORR 04/12/2008 14:00	07/12/2008 23:00	81	1,18E+03	IV 200,80229,6329,38
5	SORR 08/12/2008 13:00	08/12/2008 21:00	8	26,89 I	91,44 229,6342,16
5	CAST 04/12/2008 16:00	07/12/2008 11:00	67	265,80II	204,91253,6520,84
5	PORT 01/12/2008 00:00	02/12/2008 07:00	31	128,59I	191,12232,0625,59
5	PORT 05/12/2008 01:00	05/12/2008 22:00	21	102,39I	203,41232,0643,56
5	SORR 12/12/2008 00:00	13/12/2008 23:00	47	330,53II	192,06215,1626,94
5	SORR 15/12/2008 12:00	17/12/2008 11:00	47	103,33I	112,43215,1628,34
5	CAST 12/12/2008 16:00	13/12/2008 23:00	31	87,74 I	182,03245,5216,93
5	PORT 11/12/2008 00:00	11/12/2008 15:00	15	83,53 I	188,12212,6723,27
5	PORT 12/12/2008 01:00	13/12/2008 14:00	37	91,63 I	204,68212,6734,95
5	PORT 15/12/2008 07:00	16/12/2008 15:00	32	105,79I	143,51212,6724,23
5	SORR 27/12/2008 00:00	27/12/2008 11:00	11	25,46 I	18,33 67,93 39,80
5	SORR 01/01/2009 09:00	01/01/2009 23:00	14	119,21I	207,8 230,6331,63
5	SORR 02/01/2009 21:00	03/01/2009 11:00	14	120,90I	150,73 34,79
5	CAST 01/01/2009 13:00	02/01/2009 04:00	15	42,22 I	207,44240,4319,55
5	PORT 01/01/2009 13:00	02/01/2009 09:00	20	46,77 I	242,29224,8330,29
5	SORR 14/01/2009 10:00	15/01/2009 11:00	25	143,04I	177,54203,2429,55
5	SORR 04/02/2009 02:00	05/02/2009 11:00	33	158,33I	204 242,8629,07
5	SORR 07/02/2009 09:00	09/02/2009 23:00	62	420,31II	192,95242,8628,81
5	SORR 10/02/2009 12:00	11/02/2009 23:00	35	402,45II	247,94242,8625,87

5	CAST 10/02/2009 13:00	11/02/2009 11:00	22	90,15 I	234,61244,0520,06
5	PORT 03/02/2009 00:00	03/02/2009 11:00	11	67,34 I	144,33223,6624,84
5	PORT 07/02/2009 02:00	07/02/2009 13:00	11	34,15 I	154,67223,6626,19
5	SORR 05/03/2009 03:00	05/03/2009 23:00	20	395,24II	219 256,3933,33
5	SORR 07/03/2009 01:00	07/03/2009 18:00	17	37,26 I	113 256,3944,10
5	SORR 08/03/2009 12:00	10/03/2009 05:00	41	203,51I	207 256,3927,30
5	SORR 10/03/2009 12:00	10/03/2009 23:00	11	25,74 I	200,58256,3934,41
5	SORR 11/03/2009 12:00	12/03/2009 11:00	23	55,27 I	96,12 256,3940,37
5	CAST 11/03/2009 01:00	11/03/2009 11:00	10	52,08 I	192,27252,8222,15
5	PORT 05/03/2009 07:00	05/03/2009 23:00	16	113,65I	226,82219,7236,92
5	SORR 23/03/2009 15:00	26/03/2009 21:00	78	576,72III	214,25257,7926,31
5	CAST 24/03/2009 18:00	25/03/2009 11:00	17	100,80I	228,61255,1021,09
5	SORR 28/04/2009 03:00	01/05/2009 20:00	89	575,70III	177,6 259,5527,01
5	CAST 28/04/2009 08:00	30/04/2009 21:00	61	305,77II	196,45254,3019,29
5	SORR 01/06/2009 20:00	02/06/2009 11:00	15	167,42I	232,37259,0028,31
5	SORR 03/06/2009 05:00	03/06/2009 23:00	18	50,33 I	201 259,0029,72
5	CAST 03/06/2009 06:00	03/06/2009 22:00	16	40,05 I	218,35256,7419,37
5	SORR 21/06/2009 06:00	22/06/2009 11:00	29	142,93I	164,87263,5733,14
5	SORR 24/06/2009 13:00	26/06/2009 06:00	41	83,54 I	162,83263,5724,36
5	SORR 03/08/2009 14:00	04/08/2009 23:00	33	92,28 I	179,65256,4929,51
5	SORR 17/09/2009 19:00	18/09/2009 23:00	28	71,10 I	139,38268,0724,07
5	SORR 12/10/2009 12:00	13/10/2009 11:00	23	169,09I	216,42248,5131,50
5	SORR 03/11/2009 00:00	03/11/2009 23:00	23	244,74I	249,96248,6525,73
5	SORR 05/11/2009 03:00	05/11/2009 11:00	8	67,14 I	232,44248,6531,44
5	SORR 08/11/2009 06:00	09/11/2009 22:00	40	406,29II	162,34248,6533,49

5	SORR 11/11/2009 12:00	12/11/2009 10:00	22	78,63 I	89,09	248,6539,67
5	CAST 03/11/2009 02:00	04/11/2009 03:00	25	100,61I	229,77	248,8420,54
5	CAST 05/11/2009 00:00	05/11/2009 18:00	18	59,22 I	229,47	248,8419,42
5	CAST 08/11/2009 08:00	09/11/2009 16:00	32	116,5 I	159,94	248,8421,42
5	PORT 02/11/2009 20:00	03/11/2009 05:00	9	32,61 I	213,4	227,1726,61
5	SORR 27/11/2009 06:00	28/11/2009 23:00	41	224,36I	165,97	229,5035,71
5	SORR 30/11/2009 16:00	30/11/2009 23:00	7	54,45 I	194	229,5036,39
5	CAST 28/11/2009 10:00	28/11/2009 23:00	13	29,88 I	124,2	242,9718,57
5	PORT 29/11/2009 23:00	30/11/2009 11:00	12	40,79 I	153,38	212,3630,19
5	SORR 01/12/2009 00:00	01/12/2009 17:00	17	118,22I	219	254,1037,00
5	SORR 02/12/2009 16:00	03/12/2009 11:00	19	54,28 I	92,75	254,1032,10
5	SORR 04/12/2009 12:00	04/12/2009 23:00	11	139,15I	184,83	254,1032,07
5	SORR 06/12/2009 17:00	07/12/2009 08:00	15	26,48 I	53,94	254,1021,35
5	SORR 08/12/2009 12:00	09/12/2009 11:00	23	134,74I	179,25	254,1034,97
5	CAST 08/12/2009 16:00	08/12/2009 23:00	7	26,26 I	235,75	250,3119,85
5	PORT 05/12/2009 01:00	05/12/2009 11:00	10	28,42 I	135,36	229,9342,24
5	SORR 16/12/2009 11:00	17/12/2009 11:00	24	197,07I	188,4	236,4224,37
5	CAST 16/12/2009 13:00	18/12/2009 19:00	54	200,87I	209,24	257,1517,94
5	SORR 23/12/2009 05:00	23/12/2009 14:00	9	81,12 I	175,5	248,1936,12
5	SORR 27/12/2009 00:00	29/12/2009 09:00	57	518,39III	182,09	248,1928,03
5	CAST 27/12/2009 02:00	29/12/2009 04:00	50	167,14I	181,37	250,1218,88
5	PORT 21/12/2009 19:00	22/12/2009 11:00	16	52,22 I	163,18	221,2528,25
5	PORT 23/12/2009 05:00	24/12/2009 03:00	22	54,41 I	164,52	221,2535,05
5	SORR 01/01/2010 00:00	03/01/2010 11:00	59	875,54IV	242,88	249,4927,35
5	SORR 05/01/2010 22:00	07/01/2010 11:00	37	282,54II	206,84	249,4932,91

5	SORR 10/01/2010 08:00	10/01/2010 23:00	15	184,07I	222,19249,4928,67
5	CAST 06/01/2010 09:00	07/01/2010 11:00	26	66,20 I	215,85245,7320,26
5	CAST 09/01/2010 09:00	11/01/2010 04:00	43	169,40I	162,45245,7318,02
5	PORT 01/01/2010 06:00	01/01/2010 23:00	17	95,55 I	241,78225,0053,54
5	PORT 08/01/2010 05:00	08/01/2010 19:00	14	45,34 I	165,07225,0027,53
5	PORT 09/01/2010 02:00	11/01/2010 07:00	53	176,64I	158,76225,0037,69
5	SORR 01/02/2010 00:00	01/02/2010 17:00	17	89,53 I	125,61249,7743,14
5	SORR 03/02/2010 13:00	03/02/2010 23:00	10	25,30 I	180,25249,7725,21
5	SORR 05/02/2010 17:00	06/02/2010 23:00	30	393,85II	219,71249,7727,72
5	SORR 10/02/2010 13:00	11/02/2010 22:00	33	364,49II	230,65249,7727,20
5	PORT 06/02/2010 17:00	07/02/2010 10:00	17	31,02 I	89,06 232,2229,56
5	SORR 04/03/2010 05:00	06/03/2010 08:00	51	434,47II	213,33182,5335,12
5	SORR 07/03/2010 16:00	08/03/2010 11:00	19	77,89 I	27,65 182,5341,31
5	SORR 10/03/2010 15:00	10/03/2010 23:00	8	55,27 I	246,22182,5332,88
5	CAST 04/03/2010 10:00	05/03/2010 11:00	25	145,49I	257,61243,8016,71
5	CAST 10/03/2010 09:00	11/03/2010 23:00	38	177,64I	208,72243,8020,24
5	PORT 11/03/2010 05:00	11/03/2010 23:00	18	43,64 I	210,42219,5645,05
5	SORR 31/03/2010 00:00	31/03/2010 11:00	11	55,84 I	245,67265,1037,52
5	SORR 01/04/2010 12:00	03/04/2010 17:00	53	147,82I	169,09265,1028,50
5	SORR 05/04/2010 00:00	06/04/2010 22:00	46	337,69II	223,79265,1031,65
5	CAST 31/03/2010 00:00	31/03/2010 11:00	11	36,38 I	245,67261,7619,99
5	CAST 02/04/2010 17:00	03/04/2010 11:00	18	48,34 I	130,74261,7620,26
5	CAST 05/04/2010 14:00	06/04/2010 17:00	27	103,60I	241,54261,7628,21
5	SORR 19/04/2010 07:00	21/04/2010 11:00	52	255,05II	181,92270,9524,94
5	CAST 19/04/2010 18:00	20/04/2010 23:00	29	101,18I	198,62267,2119,84

5	SORR 05/05/2010 17:00	08/05/2010 23:00	78	365,04II	209,42246,1429,67
5	CAST 05/05/2010 16:00	08/05/2010 01:00	57	161,35I	199,60242,2118,78
5	SORR 13/05/2010 12:00	14/05/2010 16:00	28	62,16 I	185,89249,9431,84
5	SORR 15/05/2010 02:00	18/05/2010 23:00	93	1,01E+03	IV 209,97249,9426,73
5	CAST 15/05/2010 03:00	15/05/2010 11:00	8	45,69 I	250,56249,2226,28
5	CAST 16/05/2010 04:00	18/05/2010 21:00	65	363,84II	195,53249,2214,80
5	PORT 15/05/2010 16:00	15/05/2010 23:00	7	24,48 I	247,37238,1134,60
5	SORR 30/05/2010 16:00	31/05/2010 11:00	19	138,14I	197,15263,3828,22
5	SORR 03/06/2010 08:00	03/06/2010 23:00	15	37,47 I	201,19260,3826,51
5	SORR 18/06/2010 19:00	21/06/2010 11:00	64	436,08II	195,11267,7927,73
5	SORR 22/06/2010 05:00	22/06/2010 17:00	12	64,08 I	155,23267,7934,13
5	SORR 24/06/2010 12:00	25/06/2010 11:00	23	51,77 I	141,25267,7923,81
5	CAST 19/06/2010 00:00	22/06/2010 11:00	83	328,36II	199,49257,4617,88
5	SORR 24/07/2010 06:00	25/07/2010 07:00	25	179,96I	181,54275,7226,28
5	CAST 24/07/2010 07:00	25/07/2010 05:00	22	72,35 I	194,78264,2819,74
5	SORR 28/08/2010 16:00	29/08/2010 11:00	19	71,28 I	172,2 266,5520,49
5	SORR 30/08/2010 12:00	30/08/2010 23:00	11	65,56 I	250,67266,5524,12
5	SORR 25/09/2010 09:00	28/09/2010 16:00	79	566,44III	199,62266,4224,14
5	CAST 25/09/2010 11:00	28/09/2010 01:00	62	282,35II	216,40259,9319,49
5	SORR 14/10/2010 15:00	16/10/2010 11:00	44	192,93I	128,98242,5224,67
5	SORR 17/10/2010 04:00	17/10/2010 11:00	7	39,98 I	164,87242,5229,86
5	CAST 15/10/2010 15:00	16/10/2010 17:00	26	66,98 I	142,26252,7815,45
5	CAST 17/10/2010 05:00	17/10/2010 14:00	9	28,66 I	190,1 252,7818,83
5	SORR 08/11/2010 03:00	09/11/2010 11:00	32	597,82III	216,79223,8736,44
5	CAST 10/11/2010 00:00	10/11/2010 23:00	23	117,69I	204,29241,7219,78

5	PORT 08/11/2010 05:00	10/11/2010 23:00	66	317,87II	211,42222,3732,25
5	SORR 18/11/2010 09:00	19/11/2010 11:00	26	218,86I	177,48240,6933,02
5	SORR 21/11/2010 20:00	23/11/2010 23:00	51	589 III	202,54240,6928,74
5	PORT 17/11/2010 03:00	17/11/2010 23:00	20	55,56 I	123,19226,4338,27
5	SORR 01/12/2010 09:00	05/12/2010 17:00	104	939,87IV	179,83248,6827,83
5	CAST 03/12/2010 08:00	03/12/2010 17:00	9	38,39 I	205,5 247,0117,18
5	PORT 01/12/2010 02:00	02/12/2010 11:00	33	88,74 I	201,32223,4548,00
5	PORT 03/12/2010 00:00	03/12/2010 14:00	14	29,64 I	246,73223,4532,99
5	SORR 15/12/2010 13:00	16/12/2010 11:00	22	47,14 I	56,70 167,8946,03
5	SORR 17/12/2010 19:00	18/12/2010 23:00	28	581,12III	234,65167,8930,25
5	PORT 17/12/2010 17:00	18/12/2010 12:00	19	111,46I	243,9 234,2643,23
5	SORR 24/12/2010 04:00	26/12/2010 18:00	62	589,89III	184,84222,5128,70
5	PORT 23/12/2010 05:00	23/12/2010 11:00	6	30,44 I	146,29219,5130,64
5	PORT 24/12/2010 10:00	24/12/2010 23:00	13	38,45 I	212,79219,5138,67
5	SORR 27/01/2011 18:00	28/01/2011 06:00	12	28,99 I	23,61 64,21 44,11
5	SORR 16/02/2011 12:00	17/02/2011 10:00	22	293,45II	199,04126,8833,47
5	SORR 23/02/2011 09:00	24/02/2011 23:00	38	126,91I	36,77 126,8834,34
5	PORT 16/02/2011 06:00	17/02/2011 04:00	22	102,93I	190,83223,8324,49
5	SORR 03/05/2011 15:00	03/05/2011 23:00	8	28,72 I	214,83256,6440,14
5	CAST 03/05/2011 15:00	04/05/2011 23:00	32	75,34 I	185,77249,3115,15
5	SORR 01/06/2011 20:00	02/06/2011 21:00	25	231,40I	169,81257,0327,42
5	SORR 07/10/2011 08:00	08/10/2011 09:00	25	175,24I	128,21232,3831,30
5	SORR 03/12/2011 17:00	04/12/2011 23:00	30	158,19I	189,06238,6732,66
5	SORR 05/01/2012 11:00	05/01/2012 23:00	12	135,83I	233,69256,7425,08
5	CAST 05/01/2012 12:00	05/01/2012 23:00	11	46,34 I	234,40254,0821,06

5	SORR 19/02/2012 01:00	19/02/2012 11:00	10	31,97 I	177,24249,6633,27
5	SORR 07/04/2012 17:00	08/04/2012 23:00	30	262,16II	196,38250,3728,11
5	SORR 11/04/2012 16:00	12/04/2012 11:00	19	143,76I	226,87250,3726,62
5	SORR 14/04/2012 08:00	15/04/2012 13:00	29	384,46II	234,72250,3726,41
5	SORR 15/04/2012 20:00	16/04/2012 23:00	27	92,09 I	140,24250,3736,19
5	SORR 18/04/2012 05:00	21/04/2012 11:00	78	772,59IV	211,54250,3728,98
5	SORR 25/04/2012 00:00	26/04/2012 01:00	25	117,95I	184,67250,3723,29
5	CAST 07/04/2012 12:00	07/04/2012 23:00	11	57,73 I	249,36252,0921,01
5	CAST 11/04/2012 18:00	12/04/2012 11:00	17	46,22 I	225,39252,0919,80
5	CAST 14/04/2012 08:00	15/04/2012 15:00	31	240,97I	229,82252,0919,54
5	CAST 19/04/2012 06:00	21/04/2012 23:00	65	297,17II	208,82252,0918,24
5	CAST 25/04/2012 00:00	25/04/2012 23:00	23	82,91 I	197,12252,0918,68
5	PORT 08/04/2012 06:00	09/04/2012 11:00	29	81,15 I	113,67235,0331,13
5	PORT 19/04/2012 01:00	19/04/2012 17:00	16	31,92 I	203,84235,0334,66
5	PORT 20/04/2012 22:00	21/04/2012 10:00	12	26,99 I	201,58235,0337,13
5	SORR 07/05/2012 00:00	09/05/2012 11:00	59	245,53I	181,15254,2627,05
5	CAST 07/05/2012 13:00	08/05/2012 17:00	28	72,37 I	183,98254,2318,78
5	SORR 21/05/2012 13:00	24/05/2012 23:00	82	436,91II	176,98245,5528,45
5	CAST 21/05/2012 14:00	24/05/2012 20:00	78	336,34II	176,75247,2216,28
5	PORT 22/05/2012 03:00	23/05/2012 18:00	39	92,15 I	176,5 233,4533,42
5	SORR 04/06/2012 13:00	04/06/2012 19:00	6	27,49 I	232,55258,0534,88
5	SORR 05/06/2012 02:00	05/06/2012 23:00	21	111,98I	179,69258,0520,94
5	SORR 31/08/2012 22:00	01/09/2012 14:00	16	89,54 I	289,89245,9820,87
5	SORR 04/09/2012 12:00	06/09/2012 11:00	47	292,32II	170,29245,9831,10
5	CAST 05/09/2012 23:00	06/09/2012 11:00	12	82,30 I	233,42247,1118,53

5	PORT 04/09/2012 13:00	05/09/2012 04:00	15	34,43 I	140,46227,0530,05
5	SORR 02/10/2012 12:00	03/10/2012 23:00	35	166,48I	220,93252,1820,91
5	CAST 02/10/2012 13:00	03/10/2012 11:00	22	76,55 I	240,06261,1618,13
5	SORR 09/10/2012 12:00	10/10/2012 04:00	16	42,72 I	180,99256,8925,25
5	SORR 10/10/2012 12:00	10/10/2012 23:00	11	35,27 I	178,36256,8922,92
5	SORR 15/10/2012 05:00	17/10/2012 06:00	49	294,36II	180,42247,0430,81
5	CAST 16/10/2012 00:00	16/10/2012 23:00	23	131,40I	231,08257,0122,18
5	SORR 26/10/2012 23:00	29/10/2012 23:00	72	968,41IV	223,76243,0831,07
5	CAST 28/10/2012 00:00	28/10/2012 11:00	11	61,93 I	293,32248,9118,22
5	CAST 29/10/2012 04:00	29/10/2012 21:00	17	80,51 I	175,69248,9116,94
5	PORT 26/10/2012 19:00	27/10/2012 23:00	28	78,96 I	206,17224,6225,44
5	PORT 28/10/2012 17:00	29/10/2012 23:00	30	113,25I	189,83224,6243,99
5	SORR 28/11/2012 04:00	01/12/2012 11:00	79	1,29E+03	V 209,17226,0832,17
5	SORR 01/12/2012 05:00	01/12/2012 11:00	6	33,31 I	NaN 226,0841,36
5	CAST 28/11/2012 17:00	30/11/2012 11:00	42	812,13IV	205,34238,6419,32
5	PORT 28/11/2012 04:00	30/11/2012 19:00	63	422,59II	188,83215,6130,32
5	SORR 14/12/2012 14:00	17/12/2012 23:00	81	367,93II	185,48259,9731,30
5	SORR 18/12/2012 12:00	20/12/2012 05:00	41	305,43II	59,25 259,9736,53
5	CAST 15/12/2012 18:00	16/12/2012 11:00	17	51,19 I	NaN 251,7322,19
5	CAST 17/12/2012 08:00	19/12/2012 11:00	51	439,54II	105,24251,7314,43
5	PORT 15/12/2012 13:00	16/12/2012 09:00	20	64,82 I	NaN 232,9336,19
5	SORR 27/12/2012 06:00	27/12/2012 23:00	17	59,85 I	241,21271,4326,74
5	SORR 28/12/2012 13:00	29/12/2012 09:00	20	63,69 I	48,94 271,4336,76
7	SORR 19/05/2008 21:00	22/05/2008 23:00	74	712,51IV	203,27230,4332,92
7	CAST 19/05/2008 22:00	22/05/2008 21:00	71	392,62II	201,93239,3320,02

7	SORR 03/06/2008 19:00	05/06/2008 23:00	52	231,28I	184,72255,0927,34
7	SORR 06/06/2008 13:00	08/06/2008 23:00	58	177,42I	187,58255,0926,46
7	CAST 04/06/2008 10:00	05/06/2008 23:00	37	134,15I	211,13253,9419,72
7	CAST 08/06/2008 08:00	08/06/2008 19:00	11	29,37 I	217,58253,9416,06
7	SORR 23/07/2008 12:00	25/07/2008 10:00	46	198,77I	191,78272,7726,03
7	SORR 13/09/2008 08:00	13/09/2008 23:00	15	68,18 I	234,06245,5135,04
7	SORR 15/09/2008 12:00	16/09/2008 11:00	23	70,03 I	185,12245,5132,36
7	SORR 03/10/2008 00:00	06/10/2008 07:00	79	345,55II	180,07261,2525,44
7	CAST 04/10/2008 00:00	04/10/2008 11:00	11	88,70 I	237,42259,4022,52
7	SORR 29/10/2008 21:00	31/10/2008 07:00	34	355,45II	212,77220,8130,15
7	SORR 31/10/2008 22:00	01/11/2008 23:00	25	164,05I	192,08220,8132,47
7	CAST 30/10/2008 01:00	30/10/2008 11:00	10	54,67 I	219,09228,8920,95
7	CAST 31/10/2008 00:00	31/10/2008 08:00	8	23,11	188,11228,8920,74
7	CAST 01/11/2008 03:00	01/11/2008 11:00	8	28,18 I	212,56228,8924,59
7	PORT 29/10/2008 12:00	31/10/2008 05:00	41	107,67I	202,79215,8136,95
7	PORT 31/10/2008 21:00	01/11/2008 20:00	23	53,42 I	194,87215,8120,43
7	SORR 21/11/2008 00:00	21/11/2008 23:00	23	253,19II	243 224,5628,5
7	SORR 24/11/2008 12:00	25/11/2008 21:00	33	348,87II	191,97224,5636,18
7	SORR 28/11/2008 08:00	30/11/2008 23:00	63	694 III	188 224,5631,96
7	PORT 21/11/2008 10:00	22/11/2008 23:00	37	124,43I	195,45222,8027,98
7	PORT 24/11/2008 14:00	25/11/2008 14:00	24	126,97I	176,68222,8029,91
7	PORT 28/11/2008 08:00	30/11/2008 23:00	63	230,60I	188 222,8026,87
7	SORR 01/12/2008 00:00	02/12/2008 11:00	35	349,86II	184,67218,4030,88
7	SORR 03/12/2008 23:00	06/12/2008 23:00	72	950,62IV	192,57218,4031,63
7	CAST 04/12/2008 16:00	07/12/2008 10:00	66	455,16II	207,33248,8320,90

7	PORT 01/12/2008 12:00	02/12/2008 10:00	22	79,14 I	177,83235,5727,63
7	PORT 05/12/2008 03:00	06/12/2008 23:00	44	217,05I	226,02235,5744,75
7	SORR 12/12/2008 02:00	13/12/2008 23:00	45	333,64II	187,39212,9626,65
7	SORR 15/12/2008 00:00	17/12/2008 11:00	59	148,72I	118,7 212,9628,71
7	CAST 12/12/2008 16:00	13/12/2008 11:00	19	94,56 I	210,25231,4716,08
7	CAST 15/12/2008 05:00	15/12/2008 19:00	14	37,67 I	140,4 231,4724,75
7	PORT 11/12/2008 03:00	11/12/2008 18:00	15	52,47 I	198,25204,8922,37
7	PORT 12/12/2008 19:00	13/12/2008 18:00	23	56,82 I	206,83204,8946,44
7	PORT 15/12/2008 00:00	16/12/2008 14:00	38	130,69I	139,67204,8924,92
7	SORR 01/01/2009 09:00	01/01/2009 23:00	14	150,96I	207,8 227,0031,63
7	SORR 02/01/2009 20:00	03/01/2009 11:00	15	130,99I	143,56227,0034,81
7	CAST 01/01/2009 12:00	01/01/2009 23:00	11	72,01 I	210,17235,7120,49
7	PORT 01/01/2009 15:00	01/01/2009 23:00	8	26,49 I	214,89226,9734,62
7	SORR 14/01/2009 10:00	15/01/2009 11:00	25	154,96I	177,54191,6129,55
7	SORR 04/02/2009 03:00	05/02/2009 11:00	32	197,22I	206 232,7528,88
7	SORR 06/02/2009 15:00	11/02/2009 23:00	128	1,01E+03 IV	194,27232,7527,80
7	CAST 04/02/2009 05:00	04/02/2009 11:00	6	44,68 I	240 238,3619,09
7	CAST 09/02/2009 07:00	10/02/2009 04:00	21	87,02 I	118,5 238,3612,90
7	CAST 10/02/2009 13:00	11/02/2009 11:00	22	162,40I	234,61238,3620,06
7	PORT 03/02/2009 00:00	03/02/2009 12:00	12	66,26 I	143,08223,2524,41
7	PORT 06/02/2009 16:00	07/02/2009 13:00	21	44,95 I	165,18223,2526,67
7	PORT 11/02/2009 05:00	11/02/2009 22:00	17	42,18 I	259,78223,2533,57
7	SORR 05/03/2009 02:00	05/03/2009 23:00	21	362,44II	216,5 252,2532,66
7	SORR 06/03/2009 15:00	07/03/2009 08:00	17	36,59 I	211,67252,2548,93
7	SORR 08/03/2009 13:00	10/03/2009 23:00	58	269,27II	202,88252,2529,98

7	SORR 11/03/2009 12:00	11/03/2009 19:00	7	38,02 I	143,87252,2525,43
7	CAST 11/03/2009 00:00	11/03/2009 11:00	11	65,99 I	195,17256,6322,31
7	PORT 05/03/2009 00:00	05/03/2009 11:00	11	63,35 I	180,67205,5820,25
7	SORR 23/03/2009 15:00	27/03/2009 05:00	86	599,09III	202,28250,6525,98
7	CAST 24/03/2009 08:00	25/03/2009 11:00	27	217,45I	218,18255,3021,30
7	CAST 26/03/2009 09:00	26/03/2009 20:00	11	46,63 I	207,92255,3017,09
7	SORR 28/04/2009 01:00	01/05/2009 22:00	93	597,61III	174,15251,6227,37
7	CAST 28/04/2009 08:00	01/05/2009 21:00	85	417,63II	172,80250,0118,24
7	PORT 28/04/2009 13:00	28/04/2009 23:00	10	24,45 I	210,64238,0526,53
7	SORR 01/06/2009 20:00	02/06/2009 11:00	15	166,61I	232,37248,4828,32
7	SORR 03/06/2009 04:00	03/06/2009 23:00	19	53,15 I	192,45248,4830,44
7	CAST 03/06/2009 12:00	03/06/2009 23:00	11	33,64 I	233,17250,1321,44
7	SORR 21/06/2009 06:00	22/06/2009 11:00	29	142,94I	164,87253,5533,14
7	SORR 24/06/2009 12:00	26/06/2009 16:00	52	122,35I	170,58253,5525,60
7	SORR 29/06/2009 04:00	29/06/2009 20:00	16	31,88 I	143,70253,5524,12
7	SORR 03/08/2009 14:00	05/08/2009 01:00	35	111,40I	179,56248,9529
7	SORR 18/09/2009 01:00	18/09/2009 23:00	22	61,78 I	153,17261,5223,39
7	SORR 12/10/2009 10:00	13/10/2009 06:00	20	156,87I	231,29201,8331,59
7	SORR 03/11/2009 00:00	03/11/2009 23:00	23	265,50II	249,96241,4925,73
7	SORR 05/11/2009 04:00	05/11/2009 11:00	7	58,97 I	232 241,4931,18
7	SORR 08/11/2009 05:00	09/11/2009 23:00	42	410,52II	162,44241,4933,77
7	SORR 11/11/2009 08:00	12/11/2009 22:00	38	122,20I	119,10241,4935,87
7	CAST 03/11/2009 01:00	05/11/2009 20:00	67	316,47II	199,28243,6719,46
7	CAST 06/11/2009 15:00	07/11/2009 13:00	22	53,93 I	146,96243,6716,86
7	CAST 08/11/2009 07:00	09/11/2009 23:00	40	235,19I	162,63243,6721,98

7	CAST 10/11/2009 12:00	11/11/2009 19:00	31	75,49 I	130,53243,6724,19
7	PORT 08/11/2009 05:00	09/11/2009 23:00	42	108,46I	162,44228,1430,68
7	SORR 27/11/2009 07:00	29/11/2009 01:00	42	238,82I	158,64225,4035,48
7	SORR 30/11/2009 17:00	30/11/2009 23:00	6	54,69 I	199,14225,4036,12
7	CAST 28/11/2009 14:00	28/11/2009 23:00	9	26,61 I	106,17233,2417,29
7	PORT 30/11/2009 00:00	30/11/2009 11:00	11	32,01 I	153,42210,2830,23
7	SORR 01/12/2009 00:00	01/12/2009 22:00	22	132,91I	178,78251,3235,83
7	SORR 02/12/2009 13:00	03/12/2009 11:00	22	64,12 I	124,61251,3234,54
7	SORR 04/12/2009 11:00	04/12/2009 23:00	12	144,53I	182,77251,3232,67
7	SORR 06/12/2009 15:00	07/12/2009 19:00	28	51,90 I	121,10251,3221,29
7	SORR 08/12/2009 12:00	09/12/2009 12:00	24	154,40I	172,68251,3235,15
7	CAST 08/12/2009 13:00	08/12/2009 23:00	10	49,58 I	230,73246,0320,80
7	SORR 16/12/2009 11:00	17/12/2009 11:00	24	204,33I	188,4 203,5024,34
7	CAST 16/12/2009 11:00	18/12/2009 23:00	60	349,96II	202,97253,8618,06
7	SORR 22/12/2009 14:00	23/12/2009 14:00	24	143,56I	167,16240,1636,79
7	SORR 27/12/2009 00:00	29/12/2009 10:00	58	546,92III	182,19240,1628,06
7	CAST 22/12/2009 01:00	23/12/2009 17:00	40	97,38 I	163,93240,7621,29
7	CAST 27/12/2009 04:00	29/12/2009 07:00	51	276,99II	180,02240,7618,78
7	PORT 21/12/2009 19:00	22/12/2009 11:00	16	65,19 I	163,18215,4728,25
7	PORT 23/12/2009 05:00	24/12/2009 02:00	21	52,78 I	164,41215,4735,31
7	SORR 01/01/2010 00:00	03/01/2010 11:00	59	765,10IV	242,88238,7227,35
7	SORR 05/01/2010 22:00	07/01/2010 11:00	37	307,49II	206,84238,7232,91
7	SORR 09/01/2010 09:00	09/01/2010 23:00	14	232,54I	190,4 238,7233,51
7	CAST 01/01/2010 03:00	01/01/2010 11:00	8	60,60 I	237,56237,1121,25
7	CAST 06/01/2010 05:00	07/01/2010 11:00	30	149,75I	212,48237,1120,56

7	CAST 09/01/2010 03:00	09/01/2010 11:00	8	54,85 I	195,56237,1123,36
7	PORT 01/01/2010 16:00	01/01/2010 23:00	7	44,66 I	238,25219,6548,91
7	PORT 09/01/2010 02:00	10/01/2010 23:00	45	170,67I	183,13219,6538,71
7	SORR 01/02/2010 00:00	01/02/2010 17:00	17	105,12I	125,61237,5243,14
7	SORR 03/02/2010 12:00	03/02/2010 23:00	11	31,58 I	180,25237,5225,14
7	SORR 05/02/2010 21:00	07/02/2010 21:00	48	400,48II	145,47237,5236,17
7	SORR 10/02/2010 13:00	11/02/2010 11:00	22	235,36I	227,61237,5229,02
7	SORR 04/03/2010 04:00	06/03/2010 08:00	52	428,30II	213,04184,5135,00
7	SORR 08/03/2010 12:00	09/03/2010 00:00	12	43,17 I	26,08 184,5128,25
7	SORR 09/03/2010 15:00	10/03/2010 23:00	32	160,10I	216,85184,5127,67
7	CAST 04/03/2010 11:00	05/03/2010 11:00	24	208,30I	260,08227,0616,57
7	CAST 09/03/2010 21:00	11/03/2010 23:00	50	268,91II	202,35227,0621,24
7	PORT 11/03/2010 04:00	11/03/2010 23:00	19	49,63 I	206,8 211,6045,21
7	SORR 31/03/2010 00:00	31/03/2010 11:00	11	77,01 I	245,67257,6637,52
7	SORR 01/04/2010 13:00	03/04/2010 17:00	52	168,34I	169,11257,6628,41
7	SORR 04/04/2010 22:00	06/04/2010 23:00	49	362,15II	224,98257,6631,71
7	CAST 31/03/2010 00:00	31/03/2010 11:00	11	37,76 I	245,67256,4519,99
7	CAST 02/04/2010 13:00	03/04/2010 11:00	22	61,60 I	147,61256,4520,63
7	CAST 05/04/2010 01:00	05/04/2010 22:00	21	175,55I	256,77256,4521,13
7	SORR 19/04/2010 07:00	21/04/2010 11:00	52	276,52II	181,92266,9124,94
7	CAST 19/04/2010 09:00	21/04/2010 10:00	49	175,25I	183,73263,9018,28
7	SORR 05/05/2010 17:00	06/05/2010 11:00	18	158,14I	219 233,8633,06
7	SORR 07/05/2010 01:00	08/05/2010 08:00	31	109,04I	178,37233,8630,59
7	CAST 05/05/2010 15:00	08/05/2010 00:00	57	216,04I	200,5 237,5118,84
7	SORR 13/05/2010 12:00	14/05/2010 16:00	28	72,38 I	185,89242,3431,84

7	SORR 15/05/2010 03:00	18/05/2010 11:00	80	1,00E+03	IV	207,26242,3426,91
7	CAST 15/05/2010 04:00	18/05/2010 20:00	88	703,53IV		208,58244,9716,58
7	SORR 29/05/2010 15:00	29/05/2010 23:00	8	112,22I		152,56252,0228,65
7	SORR 30/05/2010 16:00	31/05/2010 11:00	19	228,52I		197,15252,0228,22
7	SORR 01/06/2010 10:00	01/06/2010 23:00	13	54,83 I		231,071 252,0227,49
7	CAST 01/06/2010 11:00	01/06/2010 23:00	12	34,50 I		247,77246,7914,26
7	SORR 03/06/2010 03:00	03/06/2010 23:00	20	57,27 I		179,24246,1926,76
7	SORR 18/06/2010 19:00	21/06/2010 11:00	64	461,25II		195,11260,9827,73
7	SORR 22/06/2010 03:00	22/06/2010 10:00	7	28,35 I		108,37260,9835,97
7	SORR 24/06/2010 13:00	25/06/2010 11:00	22	47,90 I		138,09260,9823,30
7	CAST 18/06/2010 19:00	22/06/2010 11:00	88	421,31II		200,50253,7717,87
7	SORR 24/07/2010 07:00	25/07/2010 08:00	25	184,22I		175,35270,7027,58
7	CAST 24/07/2010 08:00	25/07/2010 05:00	21	85,87 I		192,82262,5019,85
7	SORR 28/08/2010 16:00	29/08/2010 10:00	18	70,06 I		170,63263,9519,88
7	SORR 30/08/2010 12:00	31/08/2010 07:00	19	107,22I		179,7 263,9530,65
7	SORR 25/09/2010 10:00	28/09/2010 17:00	79	584,00III		203,25259,9323,85
7	CAST 25/09/2010 11:00	28/09/2010 01:00	62	331,81II		216,40255,6019,49
7	SORR 14/10/2010 22:00	16/10/2010 11:00	37	178,34I		116,42248,7123,43
7	SORR 17/10/2010 04:00	17/10/2010 11:00	7	36,07 I		164,87248,7129,86
7	CAST 15/10/2010 08:00	16/10/2010 16:00	32	87,23 I		153,64247,6515,60
7	CAST 17/10/2010 05:00	17/10/2010 11:00	6	26,75 I		179 247,6518,01
7	SORR 08/11/2010 03:00	09/11/2010 23:00	44	827,39IV		215,02224,7235,23
7	CAST 08/11/2010 08:00	10/11/2010 23:00	63	365,91II		211,58235,3619,72
7	PORT 08/11/2010 06:00	10/11/2010 11:00	53	248,27I		213,28217,0928,85
7	SORR 18/11/2010 08:00	19/11/2010 20:00	36	291,77II		180,89237,3131,83

7	SORR 20/11/2010 20:00	21/11/2010 06:00	10	51,47 I	183,82237,3134,55	
7	SORR 21/11/2010 20:00	23/11/2010 23:00	51	534,71 III	202,54237,3128,74	
7	CAST 17/11/2010 00:00	18/11/2010 03:00	27	57,37 I	111,64244,0818,26	
7	CAST 22/11/2010 04:00	24/11/2010 22:00	66	427,12 II	202,88244,0818,97	
7	PORT 17/11/2010 05:00	18/11/2010 06:00	25	55,53 I	109,11223,2843,72	
7	PORT 21/11/2010 09:00	21/11/2010 21:00	12	26,58 I	158,61223,2826,15	
7	SORR 01/12/2010 13:00	05/12/2010 11:00	94	913,78 IV	177,8 240,7227,92	
7	CAST 01/12/2010 13:00	02/12/2010 15:00	26	98,89 I	215,44241,8319,63	
7	CAST 03/12/2010 02:00	03/12/2010 21:00	19	84,25 I	192,9 241,8317,87	
7	CAST 04/12/2010 08:00	05/12/2010 01:00	17	81,54 I	207,39241,8317,07	
7	PORT 02/12/2010 00:00	03/12/2010 13:00	37	84,19 I	212,71219,7549,65	
7	SORR 14/12/2010 22:00	16/12/2010 08:00	34	77,36 I	53,37 155,3142,67	
7	SORR 17/12/2010 17:00	18/12/2010 23:00	30	566,08 III	235,16155,3130,03	
7	CAST 17/12/2010 19:00	18/12/2010 22:00	27	247,74 I	242,89197,0220,75	
7	PORT 17/12/2010 17:00	17/12/2010 23:00	6	24,95 I	226,57239,058	36,26
7	SORR 23/12/2010 12:00	26/12/2010 19:00	79	682,69 III	179,52215,4728,54	
7	CAST 24/12/2010 10:00	24/12/2010 23:00	13	63,80 I	212,79230,5418,70	
7	CAST 25/12/2010 13:00	26/12/2010 07:00	18	51,46 I	146,84230,5416,11	
7	PORT 23/12/2010 00:00	23/12/2010 11:00	11	28,83 I	149,17218,5528,48	
7	PORT 25/12/2010 05:00	25/12/2010 23:00	18	47,10 I	220,74218,5547,64	
7	SORR 27/01/2011 19:00	28/01/2011 07:00	12	31,07 I	23 74,50 44,00	
7	SORR 16/02/2011 13:00	17/02/2011 11:00	22	286,31 II	200,91145,1633,59	
7	SORR 24/02/2011 00:00	24/02/2011 23:00	23	72,64 I	36 145,1631,92	
7	CAST 16/02/2011 14:00	17/02/2011 12:00	22	65,12 I	200,87184,1920,30	
7	SORR 03/05/2011 14:00	03/05/2011 23:00	9	36,41 I	218,15232,7939,56	

7	SORR 04/05/2011 12:00	05/05/2011 12:00	24	64,58 I	108,86232,7951,69
7	CAST 03/05/2011 18:00	04/05/2011 22:00	28	62,68 I	181,29242,0514,25
7	SORR 02/06/2011 01:00	02/06/2011 21:00	20	95,63 I	148,74263,5425,78
7	SORR 07/10/2011 08:00	08/10/2011 08:00	24	184,00I	132,46223,1130,68
7	SORR 03/12/2011 18:00	04/12/2011 23:00	29	156,96I	190,34235,2932,66
7	SORR 05/01/2012 12:00	05/01/2012 23:00	11	109,82I	234,40264,8124,61
7	SORR 07/01/2012 00:00	07/01/2012 12:00	12	41,49 I	159,89264,8136,82
7	SORR 07/01/2012 21:00	08/01/2012 11:00	14	55,75 I	44,21 264,8120,48
7	CAST 05/01/2012 12:00	06/01/2012 23:00	35	209,81I	228,40257,9525,08
7	SORR 19/02/2012 03:00	19/02/2012 11:00	8	41,84 I	194,06241,7834,81
7	SORR 07/04/2012 12:00	08/04/2012 23:00	35	324,13II	202,10243,7327,70
7	SORR 11/04/2012 16:00	12/04/2012 11:00	19	154,72I	226,87243,7326,62
7	SORR 14/04/2012 01:00	15/04/2012 13:00	36	391,46II	203,45243,7327,92
7	SORR 15/04/2012 20:00	16/04/2012 23:00	27	107,75I	140,24243,7336,19
7	SORR 18/04/2012 04:00	21/04/2012 11:00	79	813 IV	211,06243,7328,95
7	SORR 24/04/2012 21:00	26/04/2012 06:00	33	153,22I	165,75243,7324,45
7	CAST 07/04/2012 12:00	07/04/2012 23:00	11	50,37 I	249,36247,9421,01
7	CAST 11/04/2012 17:00	12/04/2012 20:00	27	93,67 I	216,04247,9418,73
7	CAST 14/04/2012 09:00	16/04/2012 23:00	62	381,29II	183,77247,9421,58
7	CAST 18/04/2012 07:00	21/04/2012 11:00	76	426,70II	213,00247,9418,59
7	CAST 25/04/2012 00:00	25/04/2012 23:00	23	72,81 I	197,12247,9418,68
7	PORT 09/04/2012 00:00	09/04/2012 10:00	10	31,63 I	31,75 233,6429,91
7	PORT 14/04/2012 00:00	14/04/2012 11:00	11	39,69 I	149,30233,6432,63
7	PORT 18/04/2012 16:00	20/04/2012 23:00	55	114,94I	215,88233,6438,52
7	SORR 07/05/2012 00:00	09/05/2012 23:00	71	280,69II	176,24252,1826,57

7	CAST 07/05/2012 08:00	08/05/2012 17:00	33	89,30 I	187,44246,6719,46
7	SORR 21/05/2012 11:00	25/05/2012 11:00	96	556,80III	176,31238,4727,89
7	CAST 21/05/2012 20:00	24/05/2012 11:00	63	385,64II	178,91241,5415,79
7	PORT 22/05/2012 02:00	23/05/2012 18:00	40	108,31I	179,42234,7533,77
7	SORR 05/06/2012 02:00	05/06/2012 23:00	21	111,32I	179,69250,4120,94
7	SORR 31/08/2012 21:00	01/09/2012 15:00	18	99,15 I	274,53243,9721,51
7	SORR 04/09/2012 13:00	06/09/2012 21:00	56	397,04II	174,97243,9730,46
7	CAST 05/09/2012 23:00	06/09/2012 11:00	12	81,96 I	233,42242,8918,53
7	PORT 04/09/2012 13:00	04/09/2012 22:00	9	24,03 I	158,93226,7133,06
7	SORR 01/10/2012 20:00	03/10/2012 23:00	51	221,31I	224,76250,1726,98
7	CAST 02/10/2012 12:00	03/10/2012 12:00	24	80,48 I	239,27258,7018,01
7	SORR 08/10/2012 15:00	10/10/2012 04:00	37	88,99 I	166,07248,9830,39
7	SORR 10/10/2012 12:00	11/10/2012 15:00	27	117,01I	142,73248,9828,35
7	SORR 15/10/2012 05:00	17/10/2012 11:00	54	312,02II	171,63246,9529,63
7	CAST 16/10/2012 00:00	16/10/2012 23:00	23	117,33I	231,08253,3222,18
7	SORR 27/10/2012 00:00	29/10/2012 23:00	71	1,00E+03 IV	224,20236,1131,18
7	CAST 27/10/2012 14:00	28/10/2012 23:00	33	233,94I	264,37241,0019,38
7	CAST 29/10/2012 14:00	29/10/2012 23:00	9	31,30 I	153,18241,0016,45
7	PORT 26/10/2012 22:00	27/10/2012 23:00	25	80,72 I	213,22224,2625,38
7	PORT 29/10/2012 05:00	29/10/2012 23:00	18	76,91 I	162,20224,2639,03
7	SORR 28/11/2012 13:00	30/11/2012 11:00	46	1,18E+03 IV	209,17220,9032,17
7	SORR 01/12/2012 05:00	01/12/2012 11:00	6	31,49 I	NaN 220,9041,37
7	CAST 28/11/2012 17:00	30/11/2012 11:00	42	963,11IV	205,34228,8119,32
7	PORT 28/11/2012 02:00	30/11/2012 11:00	57	374,97III	185,06209,2326,40
7	SORR 14/12/2012 16:00	15/12/2012 23:00	31	125,04I	NaN 251,0735,98

7	SORR 16/12/2012 12:00	19/12/2012 17:00	77	501,62III	99,80 251,0728,27
7	CAST 15/12/2012 12:00	16/12/2012 11:00	23	59,70 I	NaN 247,2423,11
7	CAST 17/12/2012 09:00	19/12/2012 11:00	50	373,12II	105,24247,2414,44
7	PORT 15/12/2012 11:00	16/12/2012 08:00	21	69,10 I	NaN 229 34,29
7	SORR 27/12/2012 00:00	27/12/2012 23:00	23	85,95 I	214,08264,0529,28
7	SORR 28/12/2012 13:00	29/12/2012 08:00	19	61,79 I	48,12 264,0536,68

Figure S1. Density energy spectra evolution (hours with higher value of density energy) during the first event (4 Dec 2008– 7 Dec 2008) for SORR (first panel), CAST (second panel) and PORT (third panel).

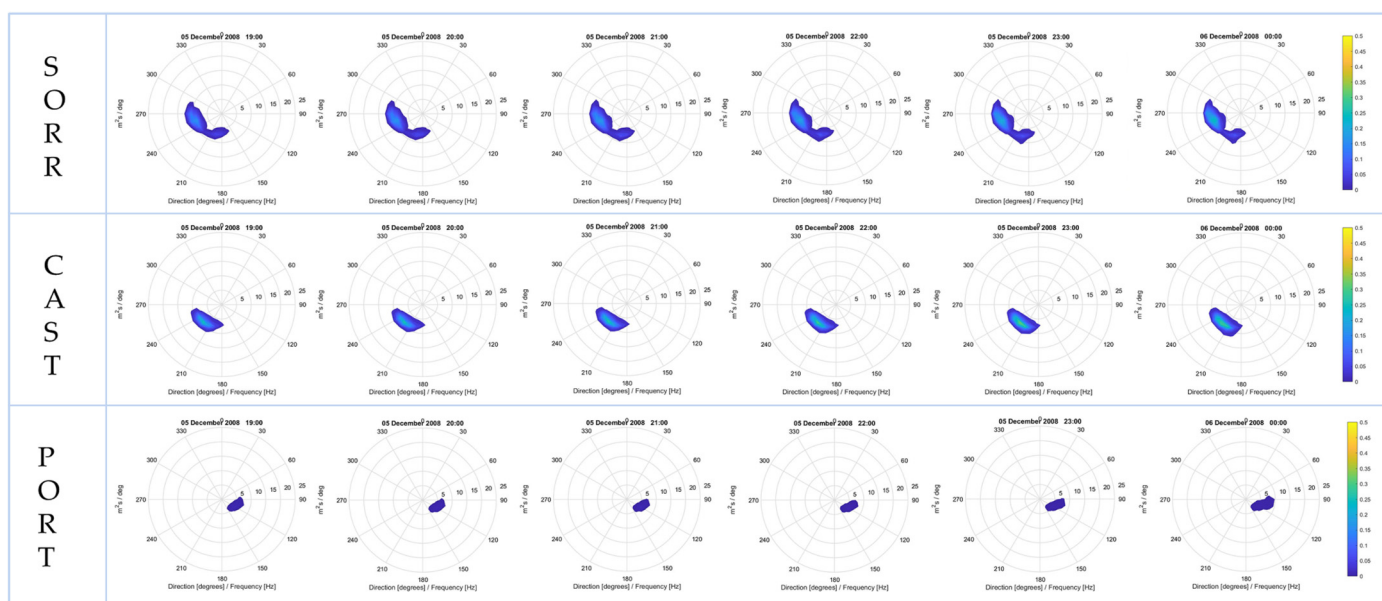


Figure S2. Density energy spectra (hours with higher value of density energy) during the second event (1 Jan 2009 - 3 Jan 2009) for SORR (first panel), CAST (second panel) and PORT (third panel).

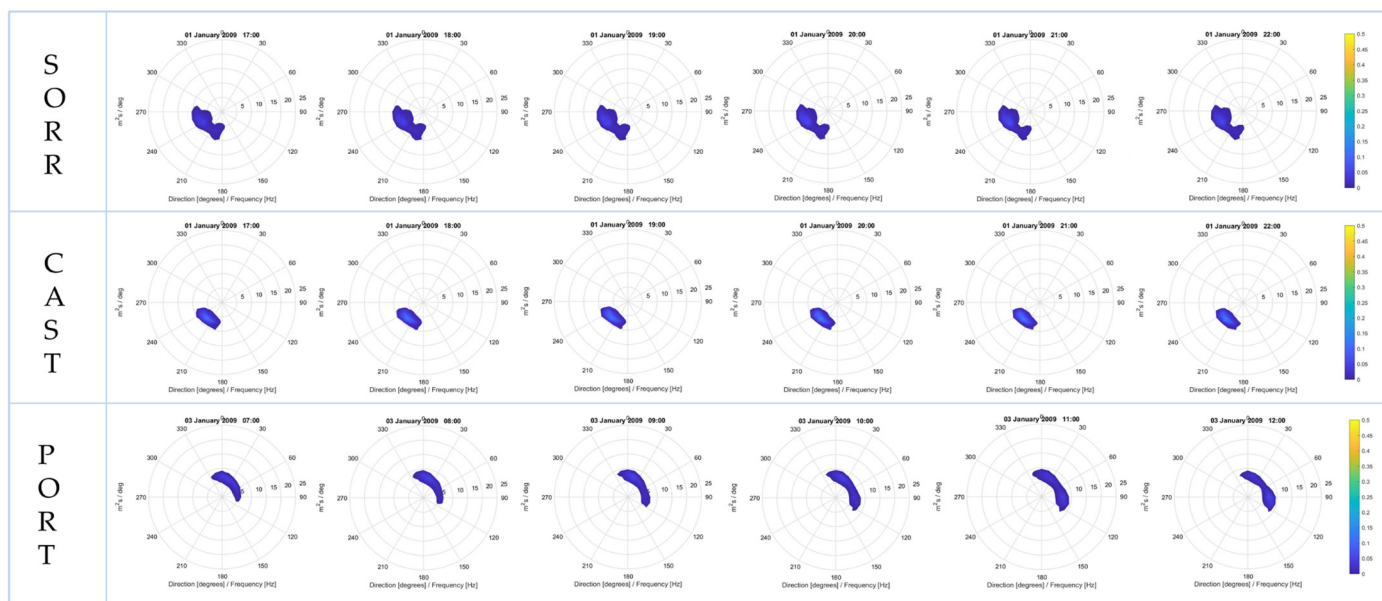


Figure S3. Density energy spectra (hours with higher value of density energy) during the third event (8 Nov 2010 - 10 Nov 2010) for SORR (first panel), CAST (second panel) and PORT (third panel).

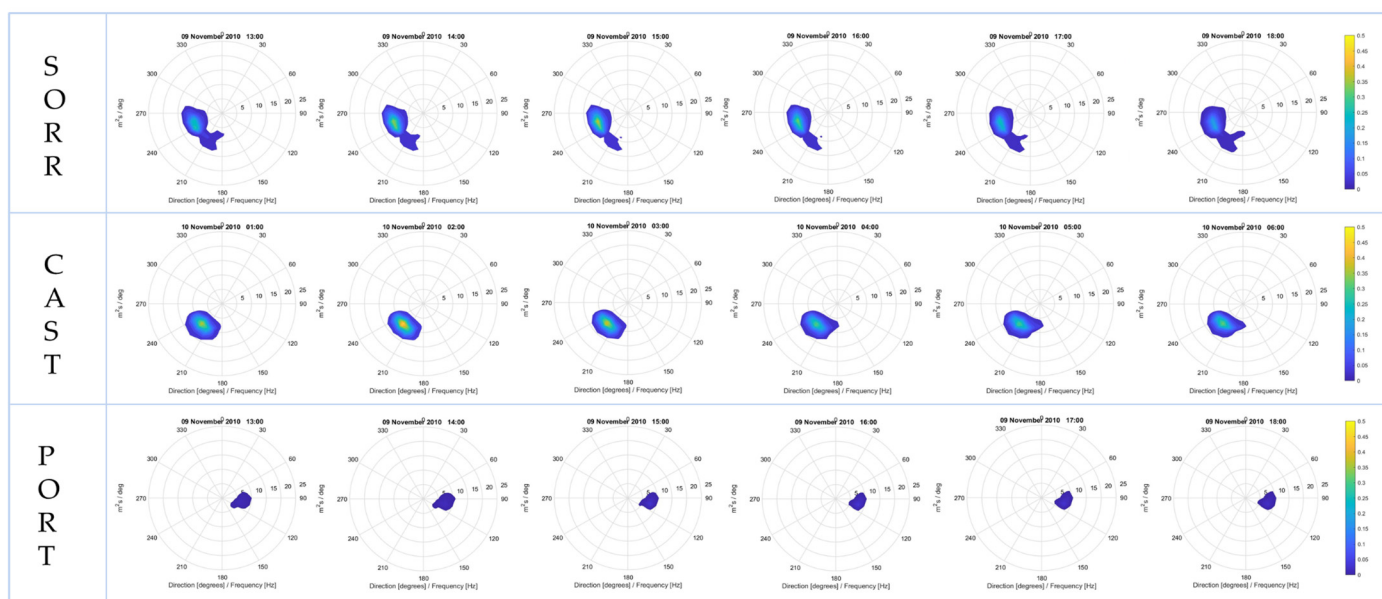


Figure S4. Density energy spectra (hours with higher value of density energy) during the third event (28 Nov 2012 - 30 Nov 2012) for SORR (first panel), CAST (second panel) and PORT (third panel).

