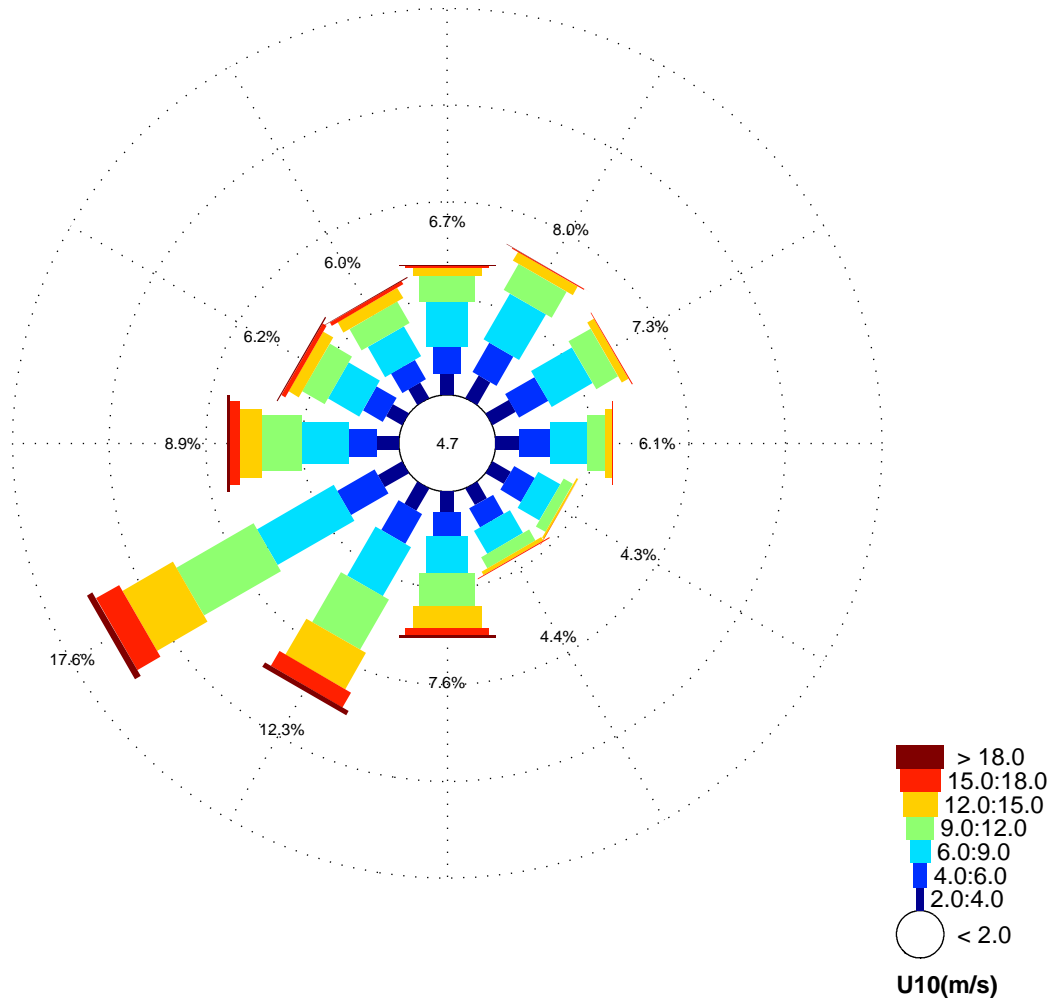


Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=7.8 m/s, max=31.7m/s)



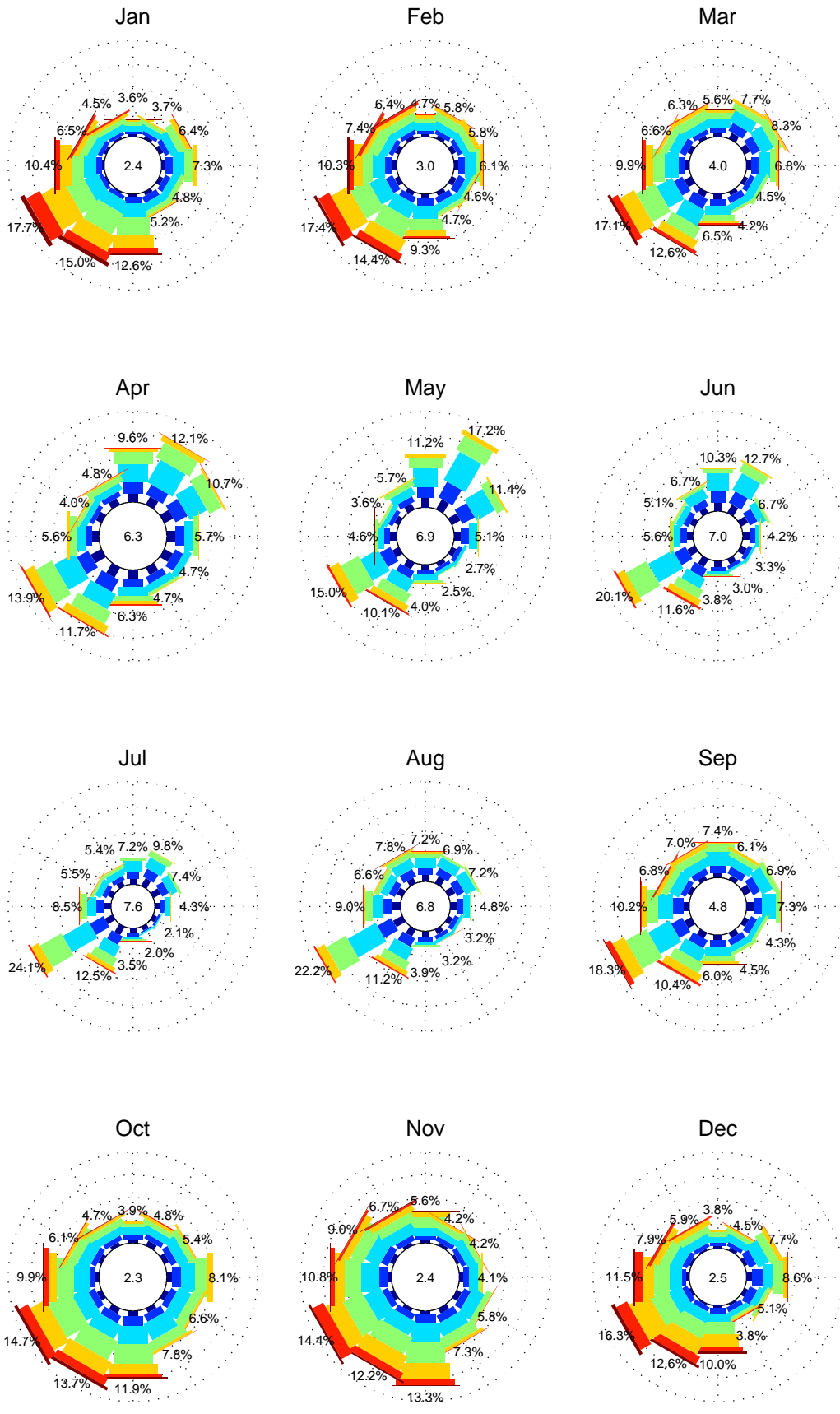
Annual wind rose at height of 10m
Nautical convention: coming from, clockwise from North

Height: 10m

All Year

Deltares

App. A.1.001



Monthly wind roses at height of 10m
Nautical convention: coming from, clockwise from North

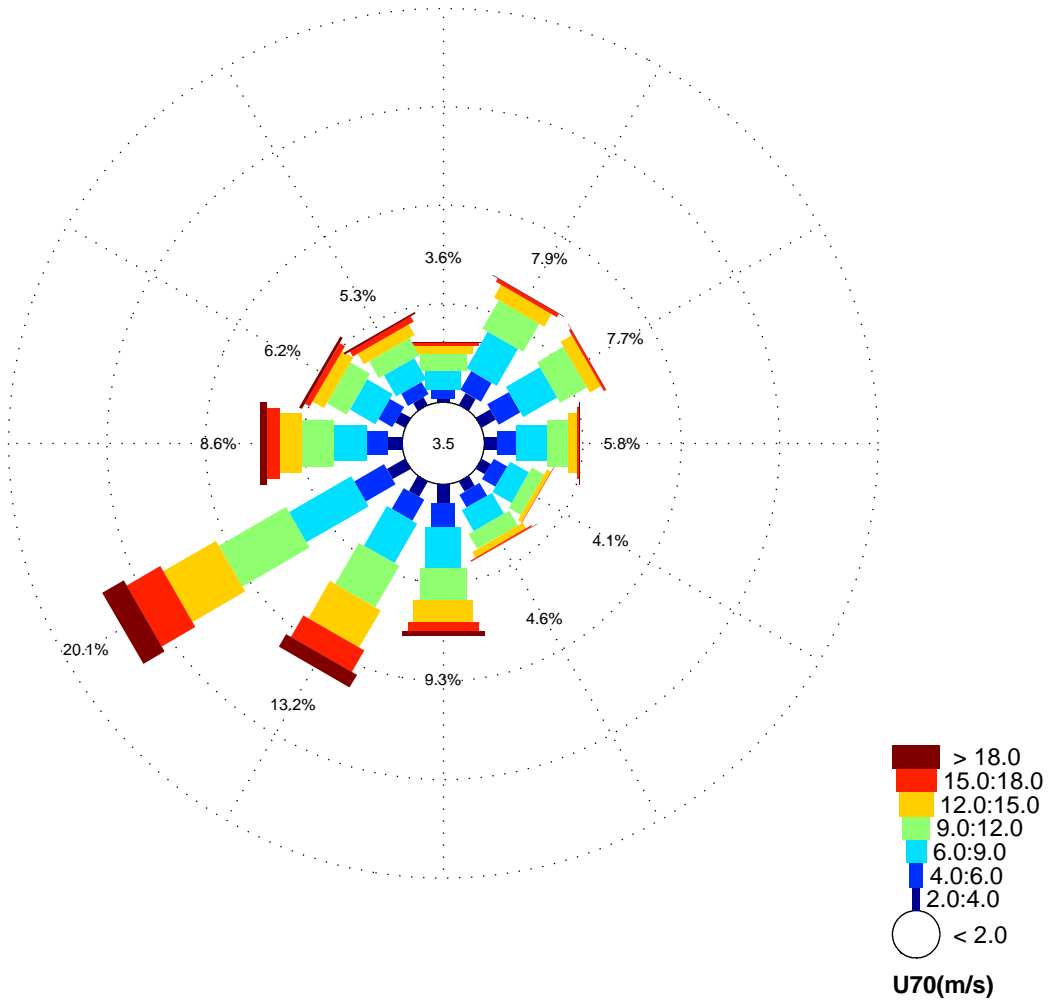
Height: 10m

Monthly

Deltares

App. A.1.002

Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=9.0 m/s, max=37.0m/s)



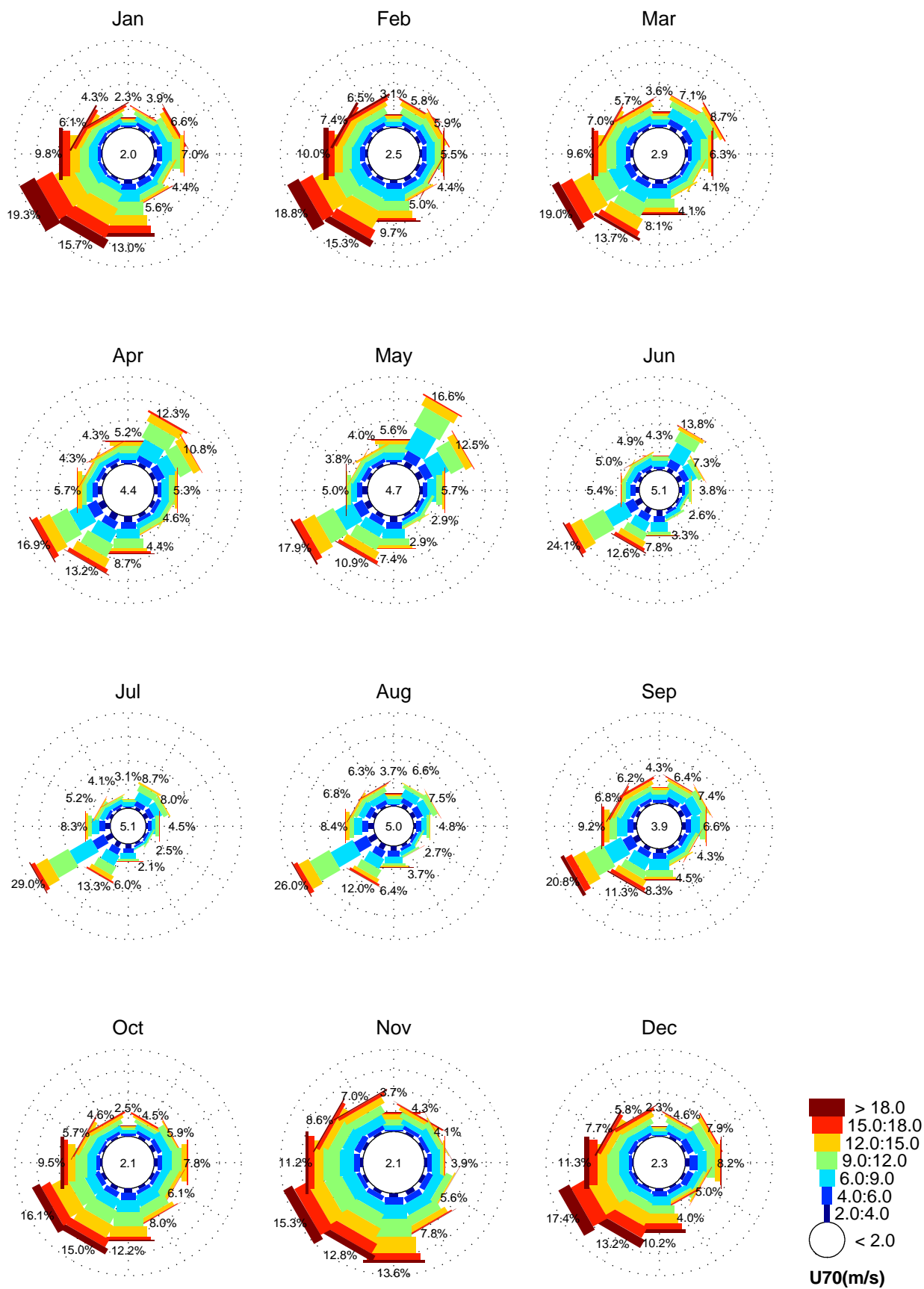
Annual wind rose at height of 70m
Nautical convention: coming from, clockwise from North

Height: 70m

All Year

Deltares

App. A.1.003



Monthly wind roses at height of 70m
 Nautical convention: coming from, clockwise from North

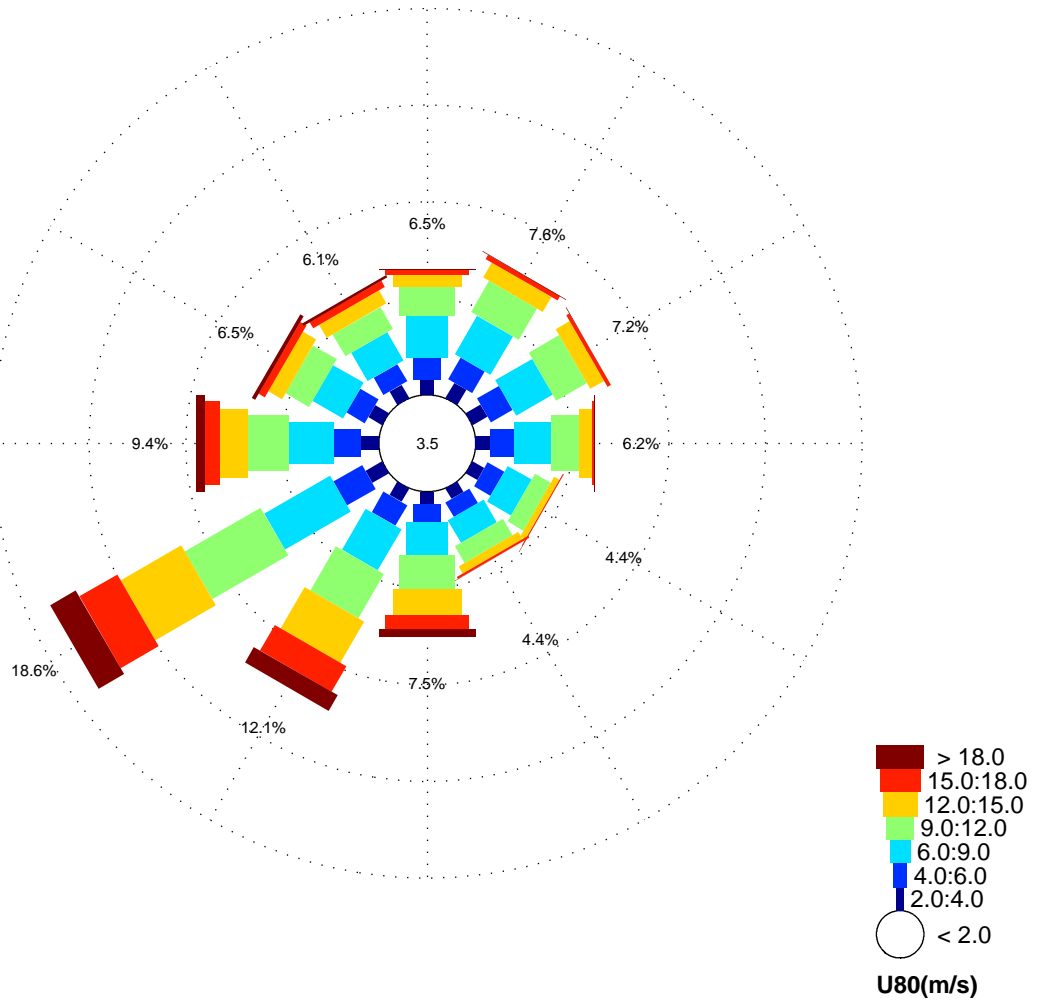
Height: 70m

Monthly

Deltares

App. A.1.004

Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=9.1 m/s, max=37.4m/s)



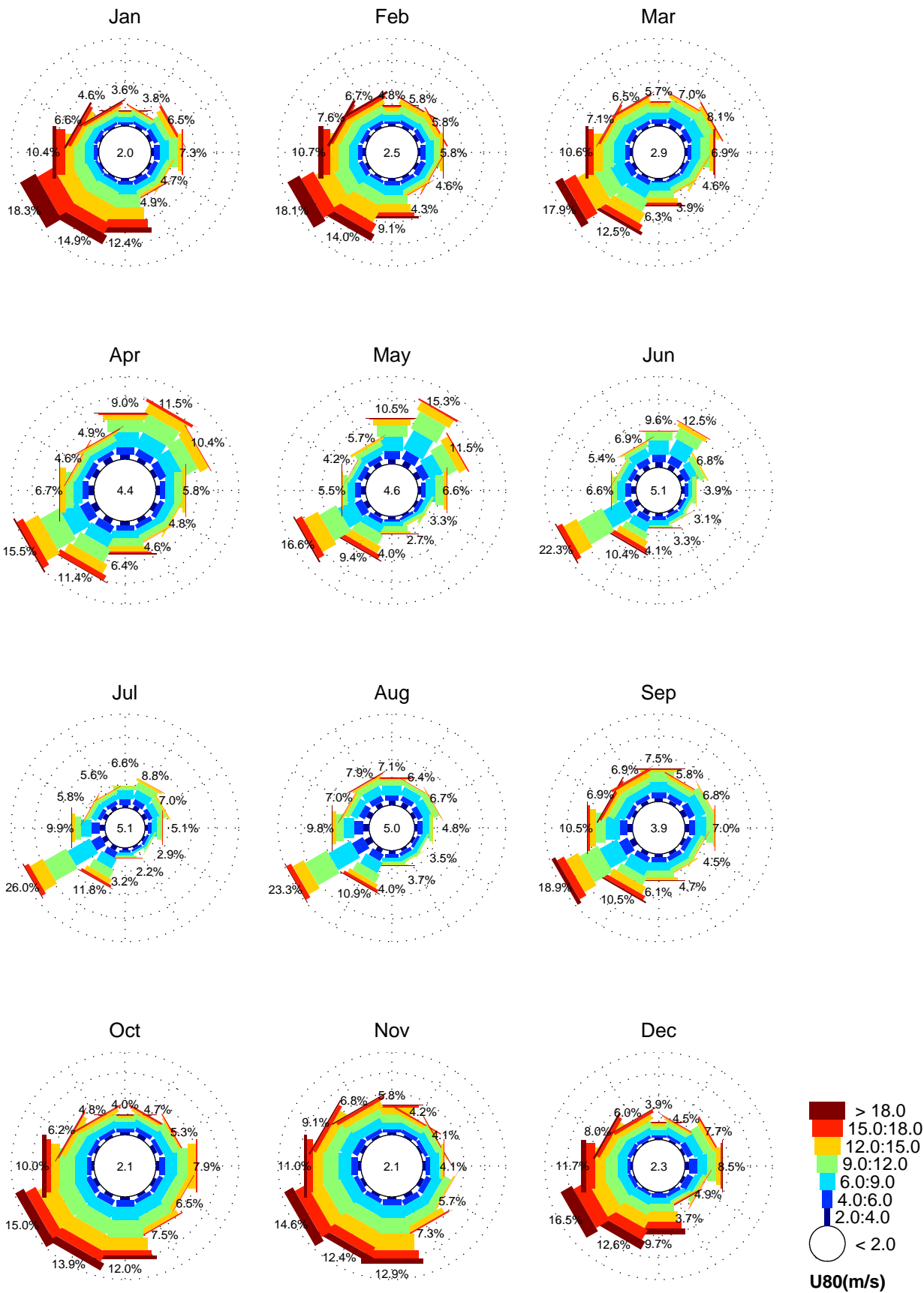
Annual wind rose at height of 80m
Nautical convention: coming from, clockwise from North

Height: 80m

All Year

Deltares

App. A.1.005



Monthly wind roses at height of 80m
 Nautical convention: coming from, clockwise from North

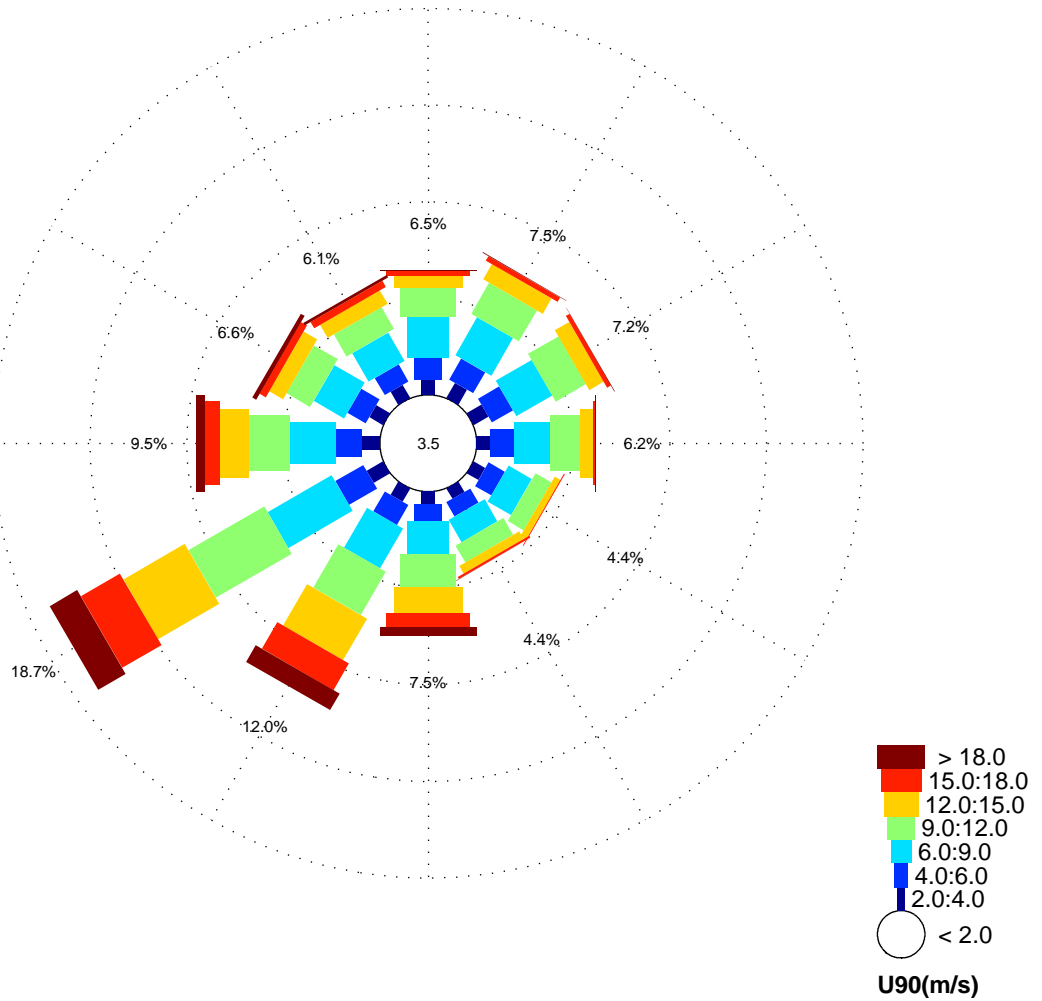
Height: 80m

Monthly

Deltares

App. A.1.006

Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=9.2 m/s, max=37.8m/s)



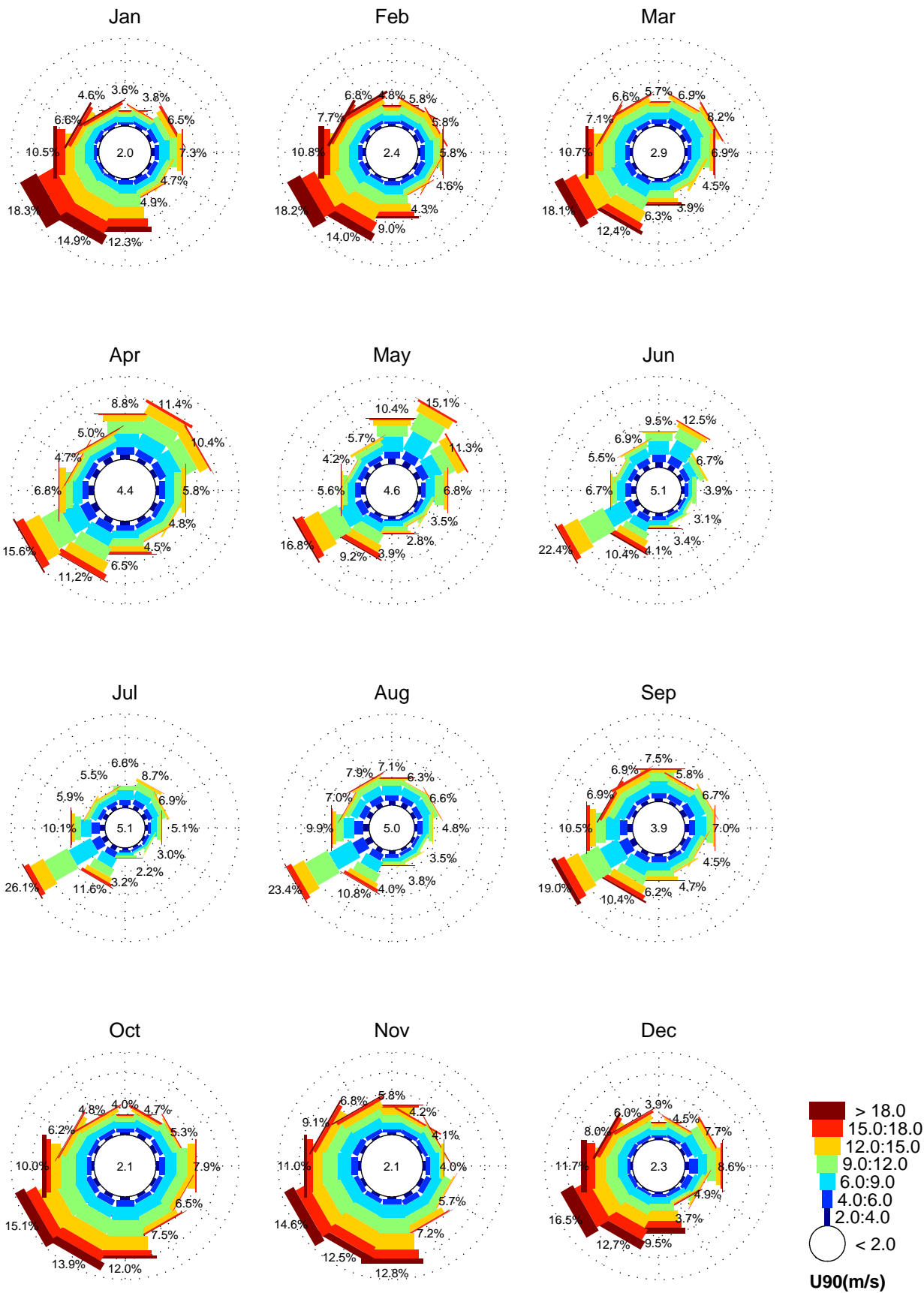
Annual wind rose at height of 90m
Nautical convention: coming from, clockwise from North

Height: 90m

All Year

Deltares

App. A.1.007



Monthly wind roses at height of 90m
 Nautical convention: coming from, clockwise from North

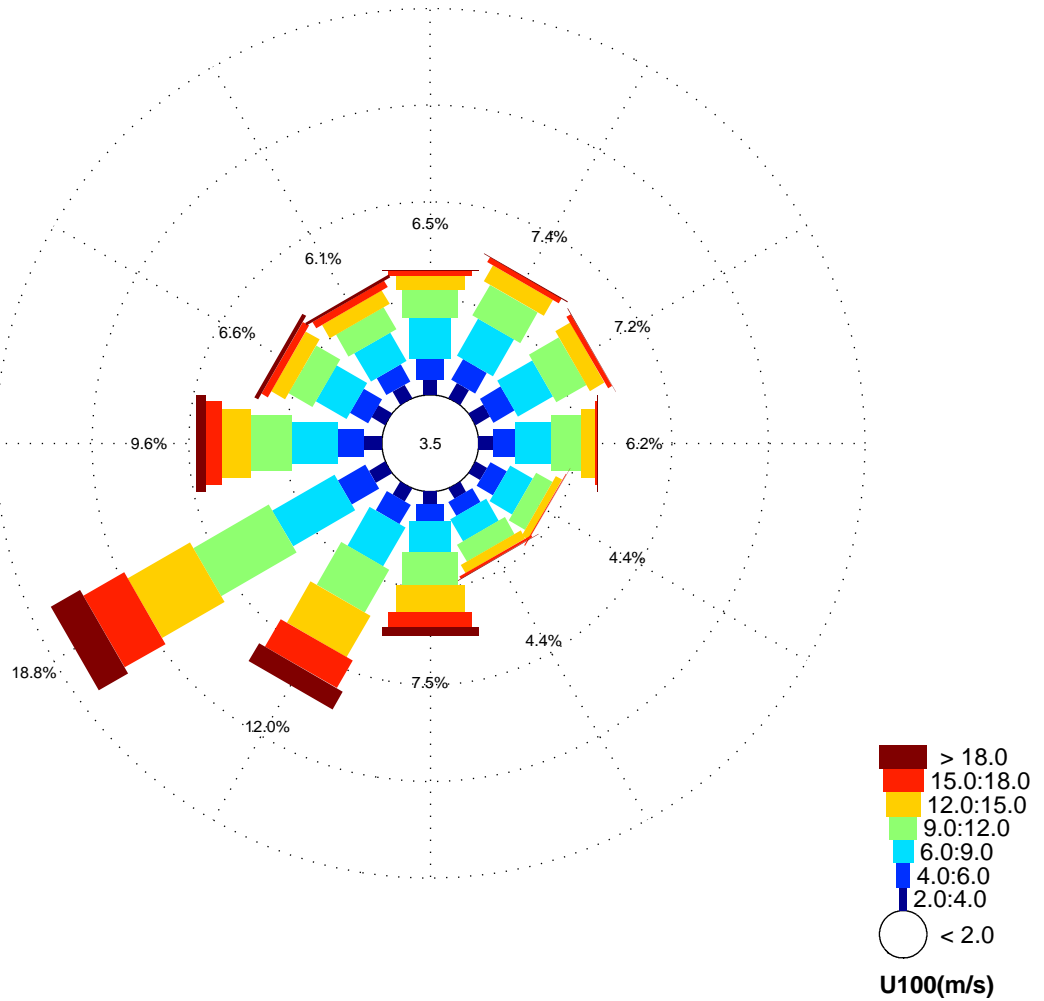
Height: 90m

Monthly

Deltares

App. A.1.008

Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=9.3 m/s, max=38.2m/s)



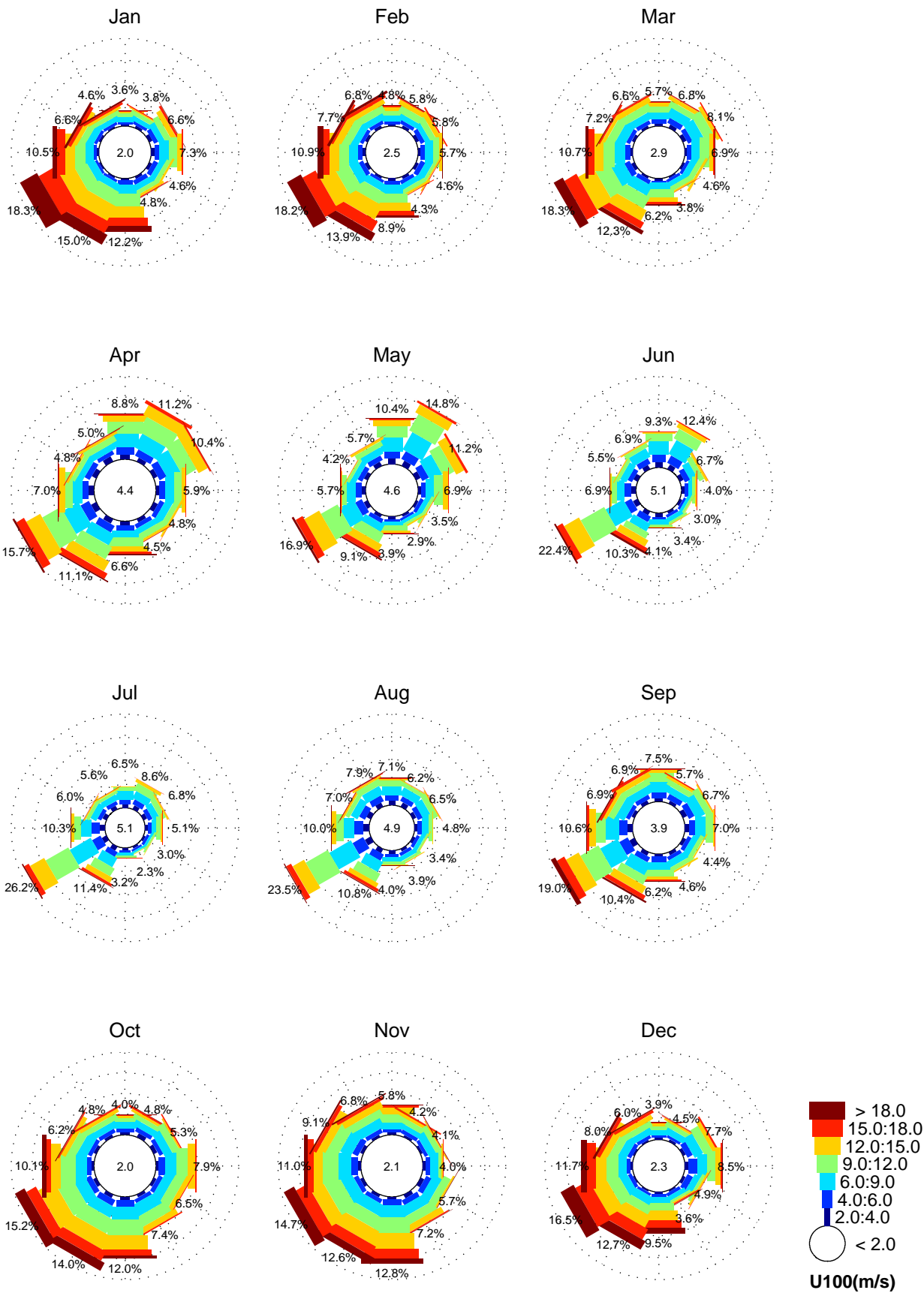
Annual wind rose at height of 100m
Nautical convention: coming from, clockwise from North

Height: 100m

All Year

Deltares

App. A.1.009



Monthly wind roses at height of 100m
 Nautical convention: coming from, clockwise from North

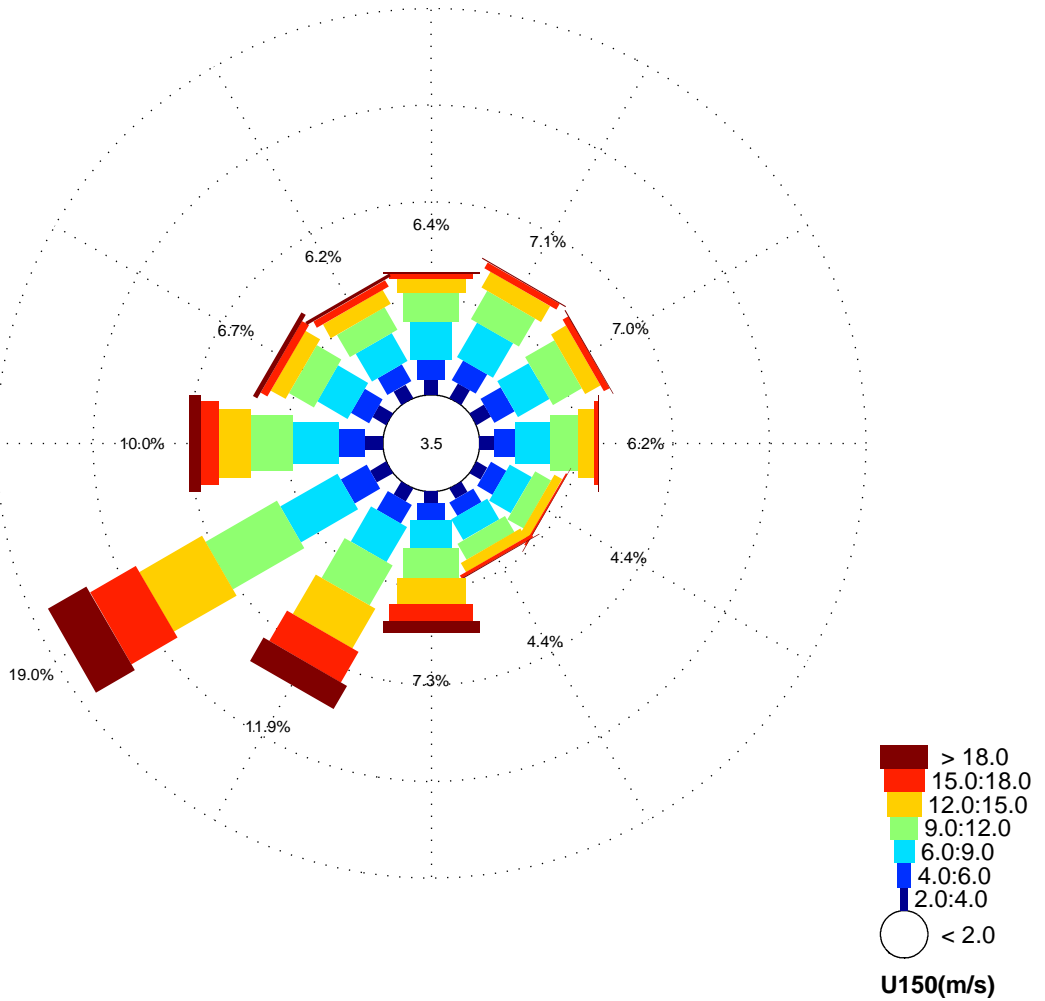
Height: 100m

Monthly

Deltares

App. A.1.010

Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=9.6 m/s, max=39.6m/s)



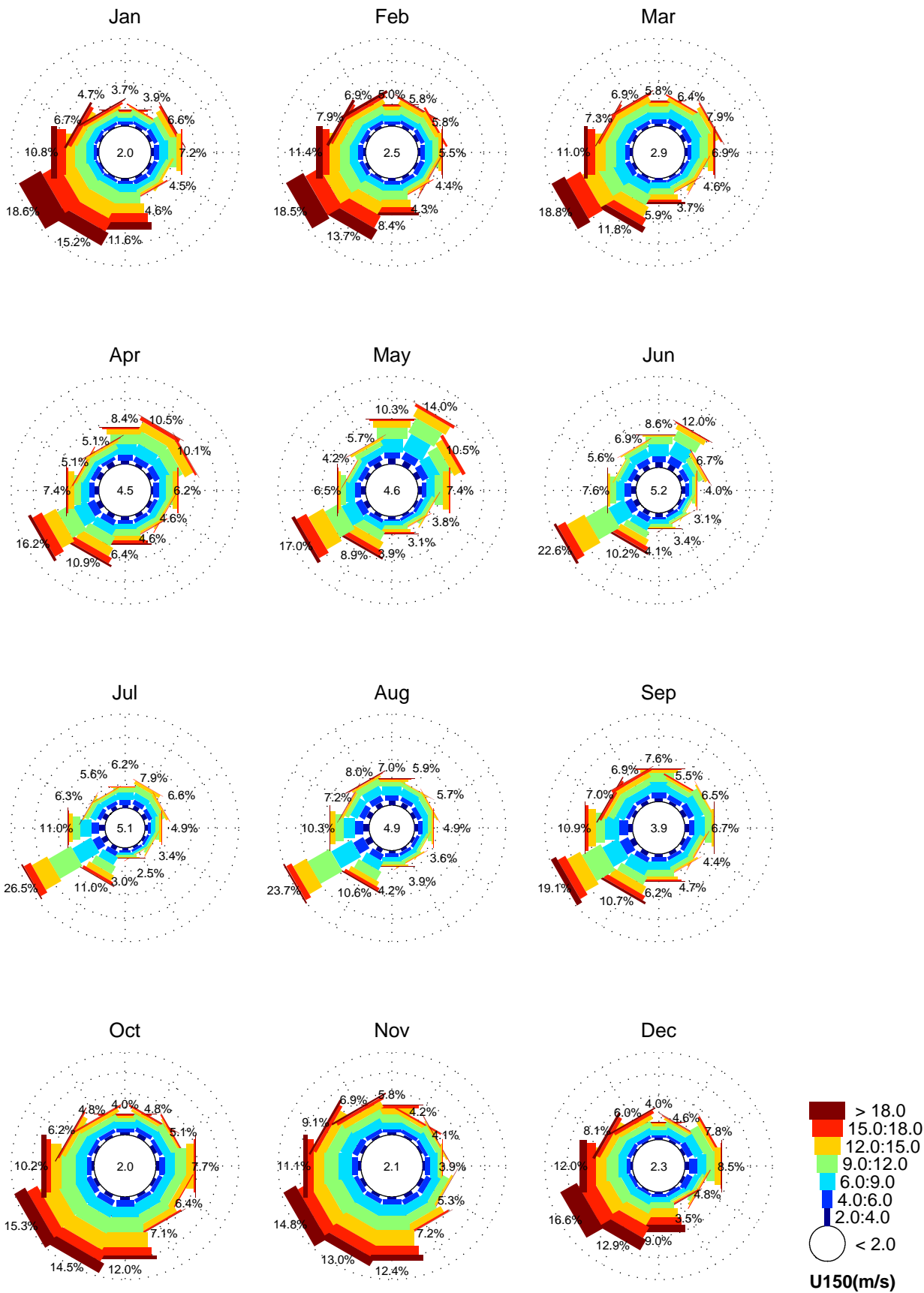
Annual wind rose at height of 150m
Nautical convention: coming from, clockwise from North

Height: 150m

All Year

Deltares

App. A.1.011



Monthly wind roses at height of 150m
 Nautical convention: coming from, clockwise from North

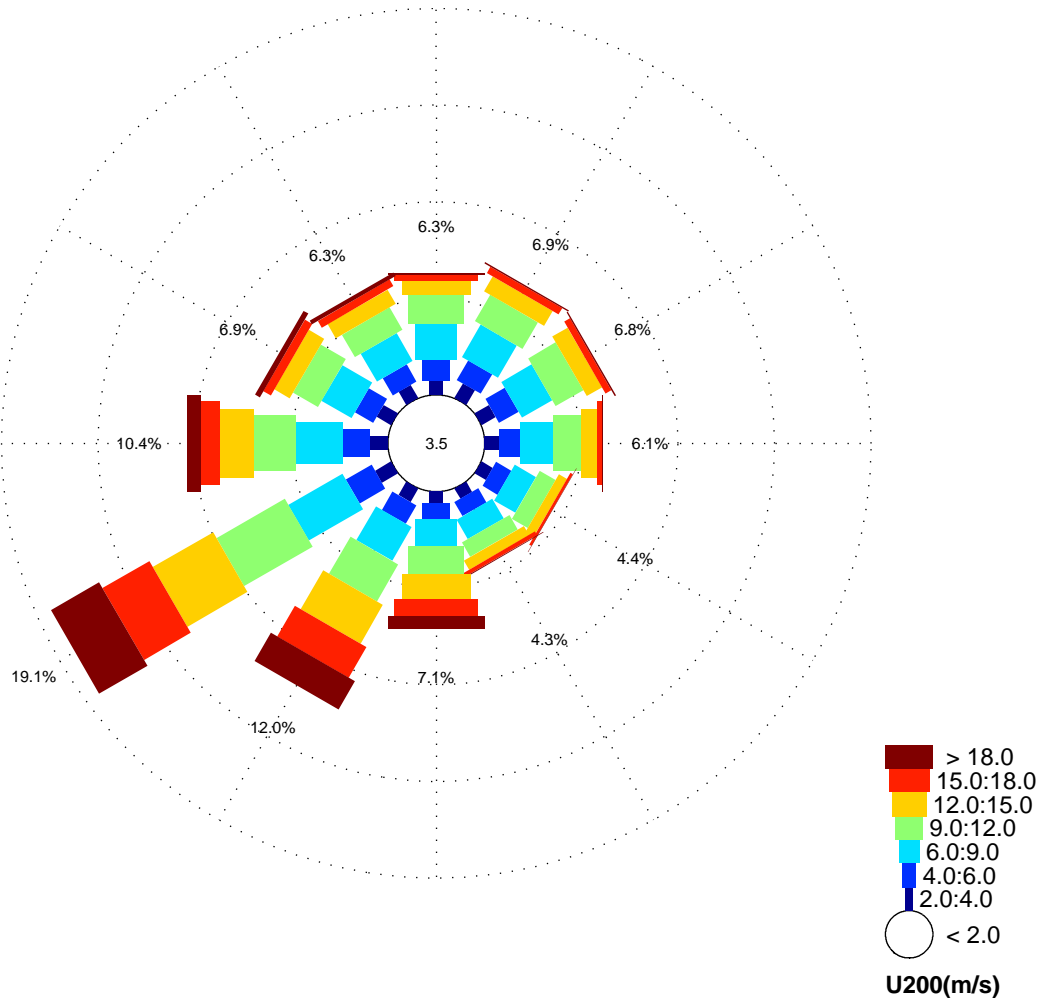
Height: 150m

Monthly

Deltares

App. A.1.012

Data from 01-Jan-1987 01:00:00 until 01-Jan-2014 (mean=9.7 m/s, max=40.7m/s)



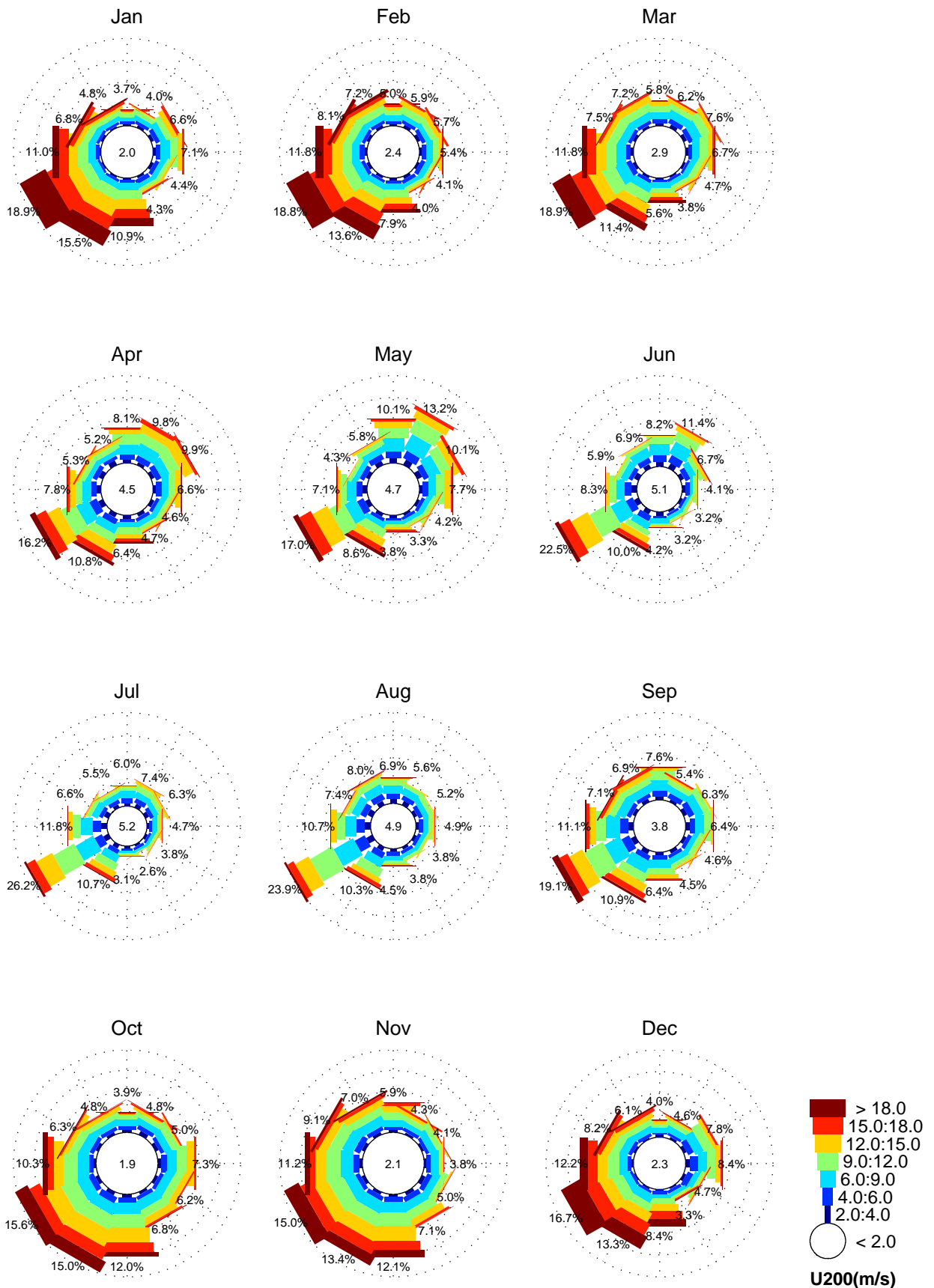
Annual wind rose at height of 200m
Nautical convention: coming from, clockwise from North

Height: 200m

All Year

Deltares

App. A.1.013



Monthly wind roses at height of 200m
 Nautical convention: coming from, clockwise from North

Height: 200m

Monthly

Deltares

App. A.1.014

		Dir10 (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
U10 (m/s)	>18.0	0.01	0.00	0.00			0.00	0.11	0.26	0.34	0.12	0.06	0.04	0.94
	15.0-18.0	0.08	0.05	0.04	0.02	0.01	0.04	0.40	0.89	1.37	0.47	0.23	0.19	3.80
	12.0-15.0	0.44	0.53	0.41	0.36	0.11	0.21	1.12	2.15	3.03	1.17	0.61	0.62	10.75
	9.0-12.0	1.30	1.55	1.31	0.96	0.57	0.67	1.70	2.99	4.60	2.05	1.34	1.27	20.29
	6.0-9.0	2.34	2.74	2.46	1.92	1.29	1.35	1.96	2.93	4.59	2.47	1.87	1.79	27.72
	4.0-6.0	1.43	1.75	1.74	1.60	1.25	1.14	1.23	1.77	2.24	1.43	1.19	1.15	17.91
	2.0-4.0	1.07	1.35	1.38	1.21	1.08	0.99	1.05	1.33	1.44	1.15	0.95	0.92	13.92
	0.0-2.0	0.37	0.39	0.40	0.42	0.39	0.36	0.40	0.43	0.44	0.39	0.34	0.34	4.67
		7.05	8.36	7.74	6.47	4.71	4.76	7.96	12.74	18.05	9.25	6.59	6.32	100.00
All year													Total	
Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North									Height: 10m		All Year			
Deltares											App. A.2.001			

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.02					0.01	0.26	0.86	0.95	0.23	0.17	0.06	2.57
15.0-18.0	0.10	0.03	0.21			0.06	1.09	1.81	3.19	0.88	0.50	0.35	8.22
12.0-15.0	0.31	0.36	0.94	0.77	0.08	0.43	2.93	3.58	5.22	2.46	1.01	0.62	18.71
9.0-12.0	0.76	0.71	1.67	1.74	1.02	0.96	3.42	4.88	4.06	2.55	1.49	0.96	24.23
6.0-9.0	1.28	1.26	1.69	2.54	1.56	1.61	3.10	2.63	3.02	2.56	1.75	1.33	24.32
4.0-6.0	0.63	0.71	1.08	1.49	1.23	1.37	1.19	0.81	0.83	1.18	0.98	0.75	12.26
2.0-4.0	0.48	0.60	0.85	0.81	0.89	0.74	0.65	0.39	0.41	0.50	0.57	0.44	7.33
0.0-2.0	0.13	0.16	0.30	0.23	0.30	0.18	0.21	0.24	0.15	0.19	0.12	0.13	2.35
	3.71	3.83	6.74	7.58	5.08	5.36	12.86	15.21	17.82	10.56	6.59	4.65	100.00

Jan

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Jan

Deltares

App. A.2.002

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.04					0.14	0.37	0.61	0.46	0.11	0.17	1.94
15.0-18.0	0.16	0.11		0.10	0.08	0.01	0.32	1.53	2.61	0.98	0.63	0.50	7.04
12.0-15.0	0.77	0.76	0.99	0.40	0.26	0.23	1.39	2.92	3.95	1.69	0.86	0.98	15.20
9.0-12.0	0.98	1.72	1.43	1.21	0.55	0.82	2.27	4.24	4.28	2.17	2.23	1.62	23.53
6.0-9.0	1.50	1.59	1.41	2.12	1.10	1.44	2.72	3.16	3.36	2.62	1.67	1.60	24.30
4.0-6.0	0.72	0.91	1.02	1.45	1.59	1.33	1.59	1.34	1.69	1.32	0.99	0.90	14.85
2.0-4.0	0.52	0.68	0.93	0.85	1.05	0.88	0.81	0.79	0.96	1.10	0.90	0.68	10.16
0.0-2.0	0.27	0.24	0.24	0.23	0.29	0.22	0.20	0.22	0.29	0.24	0.24	0.29	2.99
	4.97	6.06	6.01	6.37	4.93	4.94	9.45	14.59	17.74	10.57	7.63	6.74	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Feb

Deltares

App. A.2.003

		Dir10 (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
U10 (m/s)	>18.0	0.00						0.10	0.18	0.52	0.10	0.06	0.00	0.98
	15.0-18.0	0.15	0.04	0.10	0.07		0.00	0.25	0.71	1.39	0.63	0.14	0.17	3.67
	12.0-15.0	0.45	0.58	0.56	0.59	0.05	0.06	0.59	1.92	3.48	1.62	0.57	0.81	11.27
	9.0-12.0	1.34	1.33	1.61	1.33	0.75	0.46	1.06	2.66	4.38	2.48	1.43	1.91	20.74
	6.0-9.0	1.72	2.52	2.81	2.37	1.78	1.38	2.02	3.62	3.69	2.83	2.08	1.74	28.57
	4.0-6.0	1.10	1.86	1.85	1.48	1.13	1.44	1.41	2.26	2.04	1.37	1.45	0.99	18.37
	2.0-4.0	0.80	1.40	1.34	0.97	0.82	0.80	1.02	1.24	1.61	0.86	0.86	0.71	12.43
	0.0-2.0	0.35	0.35	0.37	0.29	0.35	0.29	0.28	0.35	0.42	0.39	0.23	0.28	3.97
		5.91	8.09	8.65	7.11	4.87	4.45	6.74	12.94	17.52	10.28	6.83	6.60	100.00
Mar													Total	
Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North									Height: 10m		Mar			
Deltares											App. A.2.004			

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0								0.01	0.04				0.05
15.0-18.0	0.08	0.04	0.07			0.01	0.22	0.23	0.25	0.02	0.03	0.08	1.01
12.0-15.0	0.60	1.02	0.40	0.16	0.01	0.14	0.49	1.47	1.83	0.47	0.28	0.24	7.11
9.0-12.0	2.15	2.98	2.56	0.80	0.10	0.43	0.97	2.47	3.24	1.12	0.67	1.10	18.57
6.0-9.0	3.20	4.56	3.53	1.57	1.30	1.32	1.65	3.06	4.09	1.65	1.10	1.26	28.28
4.0-6.0	2.13	2.00	2.37	1.66	1.61	1.32	1.39	2.44	2.34	1.09	0.83	0.91	20.10
2.0-4.0	1.41	1.53	1.75	1.52	1.64	1.45	1.55	1.99	2.14	1.24	1.10	1.20	18.53
0.0-2.0	0.50	0.48	0.43	0.57	0.47	0.51	0.63	0.64	0.54	0.59	0.48	0.50	6.34
	10.08	12.61	11.11	6.28	5.12	5.17	6.91	12.31	14.46	6.18	4.48	5.29	100.00

Apr

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Apr

Deltares

App. A.2.005

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0								0.04	0.05	0.01			0.11
15.0-18.0	0.13	0.01					0.03	0.32	0.38	0.04	0.03	0.01	0.97
12.0-15.0	0.63	1.04	0.32	0.01	0.00	0.02	0.17	1.39	2.11	0.05	0.07	0.23	6.05
9.0-12.0	2.33	3.33	1.78	0.32	0.05	0.14	0.61	2.28	4.25	0.73	0.50	1.12	17.43
6.0-9.0	3.97	6.75	4.42	1.60	0.61	0.74	1.19	2.74	4.20	1.16	1.05	1.75	30.18
4.0-6.0	2.14	3.73	2.87	1.84	0.97	0.76	0.94	1.71	2.52	1.22	0.99	1.25	20.93
2.0-4.0	2.00	2.38	2.00	1.32	1.08	0.85	1.05	1.56	1.49	1.41	0.97	1.36	17.46
0.0-2.0	0.76	0.62	0.66	0.66	0.58	0.52	0.48	0.50	0.53	0.46	0.50	0.58	6.86
	11.96	17.86	12.05	5.76	3.29	3.03	4.46	10.55	15.54	5.10	4.11	6.30	100.00

May

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

May

Deltares

App. A.2.006

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0								0.07	0.07				0.14
15.0-18.0		0.01				0.01	0.01	0.51	0.43			0.02	0.98
12.0-15.0	0.10	0.40	0.11	0.01	0.01	0.02	0.07	1.59	1.93	0.11	0.08	0.31	4.74
9.0-12.0	1.02	2.26	0.64	0.17	0.05	0.12	0.33	2.28	5.70	0.81	0.65	0.66	14.71
6.0-9.0	4.26	4.60	1.85	0.98	0.64	0.58	0.88	2.69	6.78	1.71	1.61	2.54	29.14
4.0-6.0	2.91	3.19	2.12	1.30	1.06	0.83	0.86	2.27	3.11	1.39	1.40	1.74	22.18
2.0-4.0	2.03	2.28	1.96	1.77	1.54	1.43	1.59	2.18	2.03	1.56	1.32	1.45	21.14
0.0-2.0	0.58	0.61	0.59	0.63	0.64	0.55	0.58	0.63	0.58	0.56	0.49	0.56	6.98
	10.90	13.35	7.28	4.87	3.94	3.53	4.33	12.22	20.63	6.14	5.54	7.27	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Jun

Deltares

App. A.2.007

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0								0.02					0.02
15.0-18.0		0.00	0.01				0.00	0.28	0.43	0.01	0.03	0.04	0.82
12.0-15.0	0.05	0.14	0.02	0.01			0.08	1.20	2.30	0.34	0.23	0.16	4.55
9.0-12.0	0.67	1.60	0.78	0.14	0.05	0.06	0.40	2.44	6.68	1.64	0.66	0.81	15.93
6.0-9.0	2.91	3.20	2.21	1.26	0.37	0.33	0.80	3.36	8.01	2.62	1.77	1.73	28.55
4.0-6.0	2.02	2.45	2.13	1.48	0.56	0.45	0.77	2.64	4.29	2.03	1.33	1.27	21.43
2.0-4.0	1.56	2.39	2.27	1.44	1.17	1.13	1.47	2.52	2.34	1.91	1.47	1.38	21.06
0.0-2.0	0.50	0.70	0.52	0.61	0.49	0.56	0.76	0.89	0.86	0.70	0.54	0.50	7.62
	7.71	10.49	7.94	4.95	2.64	2.53	4.29	13.35	24.92	9.24	6.04	5.89	100.00
	Jul												Total

Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North	Height: 10m	Jul
Deltares		App. A.2.008

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0							0.01	0.03	0.01		0.06	0.05	0.17
15.0-18.0	0.05	0.01				0.00	0.01	0.32	0.37	0.01	0.03	0.12	0.96
12.0-15.0	0.36	0.08	0.05			0.02	0.16	1.12	2.16	0.48	0.32	0.41	5.17
9.0-12.0	1.04	0.61	0.52	0.13	0.09	0.09	0.33	2.13	5.47	1.81	1.12	1.33	14.68
6.0-9.0	2.53	2.47	2.79	1.46	0.67	0.82	0.95	3.32	7.77	2.50	1.85	2.46	29.58
4.0-6.0	1.64	1.82	1.94	1.67	1.21	1.04	1.06	2.35	3.85	2.26	1.66	1.99	22.50
2.0-4.0	1.59	1.90	1.88	1.56	1.22	1.25	1.33	1.93	2.51	1.98	1.53	1.42	20.09
0.0-2.0	0.51	0.64	0.56	0.61	0.51	0.47	0.60	0.70	0.76	0.50	0.55	0.45	6.84
	7.73	7.53	7.74	5.44	3.71	3.69	4.46	11.90	22.91	9.54	7.11	8.24	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Aug

Deltares

App. A.2.009

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0							0.01	0.09	0.22	0.03	0.08	0.01	0.43
15.0-18.0	0.02	0.02		0.01		0.01	0.05	0.50	1.10	0.20	0.23	0.21	2.35
12.0-15.0	0.43	0.59	0.15	0.22	0.11	0.07	0.39	1.69	2.72	1.23	0.81	1.04	9.45
9.0-12.0	1.65	1.09	0.99	0.90	0.57	0.65	1.18	2.23	4.91	2.16	1.43	1.55	19.31
6.0-9.0	2.83	1.84	2.53	2.84	1.18	1.31	1.84	2.80	5.05	3.17	2.29	1.97	29.65
4.0-6.0	1.55	1.61	1.75	1.73	1.45	1.37	1.49	1.86	2.67	2.10	1.15	1.30	20.02
2.0-4.0	0.95	0.93	1.49	1.55	1.03	1.14	1.06	1.26	1.61	1.28	0.84	0.89	14.02
0.0-2.0	0.33	0.26	0.40	0.48	0.45	0.40	0.38	0.40	0.49	0.46	0.42	0.31	4.77
	7.76	6.33	7.30	7.73	4.79	4.93	6.40	10.82	18.77	10.62	7.25	7.28	100.00

Sep

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Sep

Deltares

App. A.2.010

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0						0.01	0.18	0.55	0.52	0.27	0.03	0.01	1.57
15.0-18.0	0.10	0.19	0.04		0.00	0.07	0.54	1.45	1.69	0.80	0.16	0.10	5.15
12.0-15.0	0.33	0.53	0.37	1.01	0.40	0.51	1.80	2.73	3.08	1.43	0.56	0.51	13.26
9.0-12.0	0.74	0.90	1.05	2.08	1.75	1.78	3.45	3.72	4.49	2.95	1.60	1.21	25.71
6.0-9.0	1.31	1.31	1.91	2.51	2.47	3.24	3.31	2.78	2.80	2.90	2.18	1.38	28.11
4.0-6.0	0.86	0.92	1.14	1.66	1.14	1.36	1.59	1.41	1.28	0.92	0.99	0.90	14.17
2.0-4.0	0.57	0.94	0.89	0.87	0.87	0.81	0.99	1.02	0.88	0.64	0.63	0.60	9.69
0.0-2.0	0.19	0.25	0.21	0.20	0.18	0.21	0.21	0.19	0.24	0.14	0.14	0.16	2.33
	4.10	5.04	5.62	8.32	6.82	8.00	12.07	13.85	14.97	10.05	6.29	4.87	100.00

Oct

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Oct

Deltares

App. A.2.011

		Dir10 (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
U10 (m/s)	>18.0	0.04		0.02				0.15	0.31	0.41	0.10	0.10	0.10	1.22	
	15.0-18.0	0.10	0.06	0.06		0.06	0.10	1.05	1.26	2.12	0.76	0.41	0.35	6.32	
	12.0-15.0	0.93	0.51	0.14	0.18	0.12	0.62	2.80	2.90	3.04	1.59	1.27	1.01	15.12	
	9.0-12.0	1.88	1.16	0.92	0.59	1.04	1.93	3.87	3.32	3.77	3.01	2.41	1.67	25.56	
	6.0-9.0	1.41	1.08	1.65	1.57	2.36	2.41	3.34	2.72	3.25	3.23	2.71	2.01	27.73	
	4.0-6.0	0.85	0.87	0.90	1.04	1.31	1.35	1.38	1.09	1.09	1.39	1.34	1.01	13.62	
	2.0-4.0	0.43	0.48	0.47	0.70	0.94	0.94	0.66	0.62	0.74	0.74	0.76	0.57	8.05	
	0.0-2.0	0.17	0.17	0.15	0.14	0.15	0.24	0.23	0.22	0.22	0.29	0.22	0.19	2.39	
		5.82	4.33	4.30	4.22	5.98	7.58	13.49	12.43	14.63	11.11	9.21	6.90	100.00	
Nov													Total		

Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North	Height: 10m	Nov
Deltares		App. A.2.012

Dir10 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.01					0.42	0.56	0.73	0.23	0.08	0.06	2.11
15.0-18.0	0.07	0.12	0.03	0.05	0.02	0.20	1.15	1.75	2.58	1.36	0.57	0.32	8.25
12.0-15.0	0.36	0.36	0.89	0.89	0.30	0.34	2.53	3.36	4.54	2.57	1.32	1.12	18.58
9.0-12.0	1.05	0.92	1.82	2.02	0.74	0.57	2.51	3.27	3.88	3.10	1.97	1.36	23.21
6.0-9.0	1.19	1.57	2.58	2.18	1.49	1.10	1.80	2.28	2.97	2.73	2.39	1.78	24.06
4.0-6.0	0.65	0.85	1.63	2.31	1.76	1.11	1.14	0.99	1.11	0.88	1.10	0.82	14.34
2.0-4.0	0.50	0.62	0.70	1.09	0.78	0.43	0.47	0.38	0.50	0.61	0.48	0.39	6.96
0.0-2.0	0.13	0.21	0.36	0.32	0.26	0.19	0.19	0.17	0.20	0.18	0.17	0.08	2.48
	3.97	4.67	8.02	8.87	5.36	3.95	10.23	12.75	16.50	11.67	8.08	5.93	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 10m

Dec

Deltares

App. A.2.013

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.03	0.03	0.02	0.01	0.01	0.02	0.26	0.88	1.51	0.41	0.18	0.12	3.47
15.0-18.0	0.16	0.24	0.16	0.11	0.04	0.09	0.58	1.52	2.36	0.75	0.35	0.36	6.71
12.0-15.0	0.49	0.88	0.77	0.55	0.25	0.41	1.32	2.61	3.71	1.36	0.79	0.75	13.88
9.0-12.0	1.03	1.99	1.88	1.33	0.87	1.04	2.01	2.91	4.73	1.92	1.41	1.19	22.32
6.0-9.0	1.21	2.58	2.40	1.85	1.34	1.46	2.48	2.78	4.39	2.04	1.80	1.49	25.82
4.0-6.0	0.50	1.33	1.51	1.15	0.94	0.90	1.44	1.47	2.10	1.27	0.99	0.87	14.47
2.0-4.0	0.22	0.84	1.01	0.79	0.64	0.71	1.16	1.07	1.26	0.89	0.68	0.54	9.82
0.0-2.0	0.08	0.19	0.31	0.29	0.28	0.41	0.53	0.46	0.37	0.30	0.19	0.10	3.51
	3.72	8.07	8.05	6.08	4.37	5.03	9.79	13.71	20.43	8.92	6.39	5.42	100.00

All year

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

All Year

Deltares

App. A.2.014

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04		0.07			0.03	0.78	2.29	3.88	0.73	0.43	0.27	8.53
15.0-18.0	0.20	0.21	0.49	0.21	0.00	0.15	1.59	2.91	4.28	1.79	0.77	0.51	13.12
12.0-15.0	0.28	0.30	1.19	0.92	0.43	0.54	2.47	4.31	4.33	2.18	0.94	0.57	18.45
9.0-12.0	0.72	0.94	1.51	1.76	0.93	1.29	3.18	3.44	3.46	2.15	1.46	0.95	21.80
6.0-9.0	0.65	1.10	1.57	2.21	1.24	1.53	2.65	1.67	2.30	1.91	1.45	1.09	19.38
4.0-6.0	0.31	0.77	0.92	1.26	1.00	1.32	1.45	0.56	0.68	0.76	0.72	0.62	10.37
2.0-4.0	0.13	0.58	0.83	0.65	0.78	0.70	0.87	0.49	0.35	0.31	0.34	0.32	6.34
0.0-2.0	0.04	0.15	0.28	0.18	0.24	0.25	0.30	0.22	0.13	0.10	0.07	0.02	2.00
	2.39	4.06	6.86	7.18	4.62	5.81	13.28	15.90	19.41	9.94	6.18	4.36	100.00
	Jan												Total

Joint Occurrence table of hourly wind speed vs. wind direction
 Nautical convention: coming from, clockwise from North

Height: 70m

Jan

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.09	0.12		0.04	0.05		0.26	1.65	3.00	1.06	0.62	0.48	7.38
15.0-18.0	0.21	0.27	0.22	0.18	0.14	0.13	0.69	2.35	3.19	1.37	0.56	0.72	10.04
12.0-15.0	0.65	1.14	1.16	0.44	0.28	0.43	1.68	4.25	4.16	1.87	1.43	1.04	18.53
9.0-12.0	0.76	1.58	1.31	1.34	0.65	1.06	2.16	2.95	3.87	2.11	1.89	1.62	21.31
6.0-9.0	0.90	1.21	1.27	1.88	1.33	1.44	2.74	2.47	2.81	1.94	1.60	1.32	20.90
4.0-6.0	0.28	0.84	1.20	1.04	1.27	1.02	1.29	0.93	1.21	1.08	0.74	0.85	11.74
2.0-4.0	0.16	0.66	0.77	0.59	0.69	0.92	0.83	0.72	0.57	0.63	0.52	0.52	7.57
0.0-2.0	0.07	0.22	0.15	0.26	0.25	0.32	0.39	0.25	0.17	0.15	0.14	0.15	2.51
	3.12	6.04	6.09	5.78	4.66	5.31	10.05	15.59	18.99	10.20	7.49	6.70	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Feb

Deltares

App. A.2.016

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.02	0.02	0.03			0.25	0.69	1.86	0.56	0.13	0.07	3.68
15.0-18.0	0.17	0.17	0.28	0.31	0.01	0.00	0.43	1.33	2.95	1.03	0.37	0.39	7.45
12.0-15.0	0.59	0.95	0.74	0.72	0.35	0.34	0.93	2.80	4.19	1.87	0.71	1.06	15.23
9.0-12.0	0.97	1.32	2.39	1.73	1.19	1.19	2.02	3.44	3.95	2.37	1.83	1.55	23.95
6.0-9.0	1.03	2.37	3.06	1.87	1.45	1.50	2.49	3.33	3.69	2.11	2.37	1.49	26.76
4.0-6.0	0.61	1.34	1.37	0.90	0.73	0.62	1.06	1.40	1.60	1.07	1.08	0.72	12.50
2.0-4.0	0.20	0.89	0.84	0.73	0.40	0.48	0.89	0.73	0.81	0.64	0.50	0.46	7.57
0.0-2.0	0.07	0.22	0.30	0.26	0.14	0.33	0.45	0.37	0.21	0.16	0.17	0.15	2.85
	3.68	7.29	9.01	6.55	4.28	4.47	8.51	14.11	19.26	9.80	7.17	5.88	100.00

Mar

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Mar

Deltares

App. A.2.017

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.03	0.01	0.02				0.10	0.11	0.28			0.03	0.57
15.0-18.0	0.19	0.44	0.15	0.05		0.02	0.39	0.96	1.34	0.14	0.13	0.13	3.95
12.0-15.0	0.78	1.92	1.77	0.50	0.17	0.29	0.81	2.27	2.79	0.96	0.40	0.46	13.13
9.0-12.0	1.59	3.86	3.05	1.35	0.91	1.04	2.16	3.30	4.25	1.11	0.84	1.03	24.49
6.0-9.0	1.69	3.85	3.08	1.74	1.68	1.36	2.27	3.19	4.33	1.31	1.24	1.07	26.79
4.0-6.0	0.64	1.45	1.87	0.94	0.97	0.85	1.53	1.82	2.38	1.25	0.92	0.79	15.42
2.0-4.0	0.30	0.79	0.90	0.74	0.82	0.81	1.39	1.55	1.51	0.95	0.73	0.77	11.26
0.0-2.0	0.13	0.19	0.33	0.28	0.33	0.60	0.67	0.57	0.47	0.42	0.28	0.15	4.40
	5.34	12.50	11.17	5.61	4.89	4.96	9.33	13.76	17.35	6.14	4.54	4.42	100.00

Apr

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Apr

Deltares

App. A.2.018

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.02	0.00						0.16	0.40	0.04	0.01	0.00	0.65
15.0-18.0	0.23	0.35	0.15	0.02		0.01	0.09	0.78	1.60	0.03	0.04	0.03	3.33
12.0-15.0	0.90	2.19	1.69	0.51	0.07	0.24	0.72	1.95	3.40	0.19	0.13	0.42	12.41
9.0-12.0	1.74	4.96	3.42	1.47	0.61	0.55	1.49	3.01	4.45	0.80	0.78	0.92	24.20
6.0-9.0	1.73	5.61	3.84	1.96	0.92	0.91	2.26	2.54	4.39	1.39	1.17	1.25	27.97
4.0-6.0	0.62	2.32	2.03	0.96	0.78	0.59	1.47	1.49	2.32	1.29	1.02	0.85	15.74
2.0-4.0	0.41	1.20	1.34	0.78	0.52	0.63	1.40	0.96	1.35	1.22	0.65	0.57	11.03
0.0-2.0	0.16	0.23	0.43	0.31	0.34	0.52	0.72	0.60	0.53	0.50	0.20	0.12	4.67
	5.81	16.86	12.91	6.02	3.23	3.46	8.14	11.48	18.44	5.47	4.02	4.16	100.00

May

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

May

Deltares

App. A.2.019

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0							0.01	0.27	0.41			0.01	0.70
15.0-18.0	0.02	0.21	0.03			0.01	0.03	0.95	1.41	0.03	0.02	0.05	2.76
12.0-15.0	0.12	1.03	0.37	0.09	0.08	0.09	0.25	1.90	3.78	0.23	0.21	0.33	8.49
9.0-12.0	1.12	3.50	1.30	0.81	0.45	0.58	1.14	2.49	6.92	0.91	0.88	0.80	20.90
6.0-9.0	1.88	5.24	2.29	1.02	0.91	1.19	2.82	3.02	6.63	1.59	1.75	1.93	30.27
4.0-6.0	0.82	2.47	1.86	0.90	0.53	0.75	1.71	2.16	2.87	1.38	1.14	1.09	17.67
2.0-4.0	0.35	1.30	1.48	0.95	0.64	0.69	1.88	1.78	2.04	1.27	1.01	0.73	14.14
0.0-2.0	0.09	0.16	0.42	0.39	0.45	0.58	0.79	0.73	0.65	0.48	0.26	0.07	5.08
	4.41	13.92	7.76	4.16	3.06	3.89	8.62	13.31	24.71	5.88	5.28	5.01	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
 Nautical convention: coming from, clockwise from North

Height: 70m

Jun

Deltares

App. A.2.020

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0			0.01					0.09	0.31		0.01	0.01	0.44
15.0-18.0		0.03	0.02	0.00			0.02	0.54	1.40	0.09	0.08	0.08	2.27
12.0-15.0	0.18	0.65	0.42	0.15	0.02	0.02	0.24	1.62	4.30	0.64	0.41	0.28	8.95
9.0-12.0	0.79	2.26	1.76	1.04	0.44	0.18	0.65	3.07	7.69	1.49	1.02	0.76	21.12
6.0-9.0	1.42	3.02	2.66	1.46	0.75	0.59	2.09	3.79	8.40	2.43	1.84	1.42	29.88
4.0-6.0	0.53	1.77	1.74	1.08	0.67	0.61	1.37	2.36	4.35	1.94	0.95	0.89	18.26
2.0-4.0	0.20	1.00	1.44	0.79	0.61	0.74	1.59	1.81	2.51	1.70	0.93	0.67	13.99
0.0-2.0	0.11	0.20	0.34	0.33	0.32	0.53	0.73	0.82	0.73	0.56	0.29	0.11	5.09
	3.24	8.94	8.39	4.86	2.80	2.67	6.70	14.10	29.69	8.87	5.53	4.23	100.00
	Jul												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Jul

Deltares

App. A.2.021

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.03						0.01	0.13	0.26		0.10	0.09	0.64
15.0-18.0	0.16	0.01	0.03			0.00	0.05	0.63	1.32	0.09	0.10	0.23	2.66
12.0-15.0	0.35	0.14	0.14	0.01	0.05	0.08	0.27	1.21	3.36	0.96	0.55	0.47	7.60
9.0-12.0	1.01	1.08	1.66	0.72	0.41	0.60	0.90	2.70	6.73	1.50	1.22	1.41	19.93
6.0-9.0	1.37	2.64	2.52	1.78	0.98	1.29	1.96	3.38	7.59	2.27	2.05	2.06	29.88
4.0-6.0	0.49	1.49	1.94	1.33	0.69	0.90	1.65	2.23	4.26	1.95	1.61	1.29	19.83
2.0-4.0	0.29	1.22	1.22	0.95	0.60	0.81	1.52	1.74	2.51	1.64	1.21	0.70	14.43
0.0-2.0	0.09	0.24	0.35	0.42	0.34	0.54	0.71	0.84	0.64	0.41	0.32	0.12	5.03
	3.79	6.84	7.87	5.21	3.07	4.23	7.08	12.86	26.68	8.82	7.16	6.39	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Aug

Deltares

App. A.2.022

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0		0.01					0.02	0.34	0.97	0.13	0.21	0.03	1.70
15.0-18.0	0.12	0.22	0.06	0.05	0.04	0.01	0.15	0.94	1.91	0.52	0.48	0.58	5.09
12.0-15.0	0.47	0.68	0.26	0.39	0.21	0.28	0.67	1.80	3.42	1.36	0.81	1.15	11.50
9.0-12.0	1.41	1.42	1.42	1.26	0.90	0.95	1.86	2.15	5.00	1.94	1.51	1.25	21.08
6.0-9.0	1.33	2.02	2.66	2.54	1.39	1.56	2.89	3.39	5.13	2.82	2.03	1.58	29.34
4.0-6.0	0.65	1.33	1.76	1.32	1.08	1.00	1.56	1.66	2.69	1.53	0.95	0.95	16.46
2.0-4.0	0.30	0.68	1.25	1.02	0.72	0.72	1.18	1.03	1.64	0.93	0.81	0.61	10.88
0.0-2.0	0.04	0.19	0.26	0.42	0.30	0.39	0.66	0.48	0.43	0.42	0.21	0.15	3.95
	4.33	6.54	7.68	6.99	4.64	4.91	8.97	11.80	21.18	9.66	7.01	6.30	100.00

Sep

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Sep

Deltares

App. A.2.023

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.06	0.00			0.03	0.31	1.48	1.95	0.75	0.09	0.06	4.78
15.0-18.0	0.16	0.41	0.14	0.21	0.10	0.23	0.82	1.97	2.32	0.90	0.26	0.36	7.89
12.0-15.0	0.35	0.49	0.31	1.36	0.76	0.97	2.34	3.24	3.74	1.74	0.83	0.71	16.84
9.0-12.0	0.47	0.81	1.54	2.11	1.88	2.45	3.21	3.40	3.66	2.76	1.56	1.11	24.96
6.0-9.0	0.89	1.30	1.83	2.22	1.81	2.79	2.88	2.61	2.48	2.06	1.93	1.19	23.98
4.0-6.0	0.43	0.78	1.12	1.16	0.92	0.93	1.64	1.38	1.16	0.84	0.61	0.77	11.74
2.0-4.0	0.18	0.65	0.91	0.72	0.61	0.61	0.97	0.92	0.75	0.50	0.47	0.45	7.74
0.0-2.0	0.05	0.18	0.23	0.18	0.19	0.20	0.37	0.27	0.14	0.14	0.05	0.04	2.07
	2.58	4.68	6.09	7.96	6.27	8.22	12.54	15.26	16.22	9.69	5.80	4.68	100.00

Oct

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Oct

Deltares

App. A.2.024

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.04	0.06		0.03	0.05	0.59	1.28	1.97	0.52	0.25	0.21	5.04
15.0-18.0	0.28	0.29	0.01	0.01	0.04	0.24	1.36	2.18	2.75	1.15	0.66	0.61	9.57
12.0-15.0	0.90	0.67	0.21	0.33	0.25	1.16	3.18	2.93	3.03	1.90	1.47	1.34	17.38
9.0-12.0	1.18	1.10	1.02	0.53	1.37	2.01	3.42	2.66	3.48	3.16	2.16	1.64	23.73
6.0-9.0	0.90	0.97	1.57	1.51	1.98	2.26	2.84	2.13	2.68	2.63	2.26	1.93	23.65
4.0-6.0	0.32	0.77	0.80	0.90	1.17	1.23	1.39	0.96	0.81	1.29	1.25	0.87	11.76
2.0-4.0	0.07	0.50	0.43	0.60	0.72	0.91	0.77	0.65	0.60	0.52	0.59	0.45	6.79
0.0-2.0	0.04	0.11	0.17	0.15	0.17	0.38	0.31	0.20	0.15	0.11	0.14	0.13	2.08
	3.73	4.44	4.27	4.03	5.73	8.23	13.88	13.00	15.47	11.28	8.77	7.18	100.00

Nov

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 70m

Nov

Deltares

App. A.2.025

Dir70 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.02	0.08		0.03		0.07	0.81	2.12	2.86	1.12	0.38	0.20	7.70
15.0-18.0	0.13	0.20	0.35	0.22	0.10	0.29	1.37	2.70	3.84	1.83	0.78	0.68	12.50
12.0-15.0	0.38	0.46	0.96	1.10	0.38	0.45	2.26	3.19	4.03	2.39	1.59	1.15	18.34
9.0-12.0	0.62	1.10	2.07	1.85	0.74	0.61	1.97	2.25	3.25	2.73	1.77	1.33	20.28
6.0-9.0	0.72	1.57	2.33	2.02	1.63	1.15	1.96	1.88	2.12	2.08	1.87	1.49	20.82
4.0-6.0	0.32	0.60	1.54	1.96	1.54	0.97	1.21	0.68	0.79	0.82	0.90	0.70	12.03
2.0-4.0	0.10	0.59	0.64	1.02	0.64	0.49	0.65	0.41	0.47	0.32	0.42	0.27	6.01
0.0-2.0	0.02	0.13	0.44	0.31	0.26	0.30	0.28	0.19	0.15	0.09	0.11	0.02	2.32
	2.32	4.74	8.33	8.51	5.29	4.34	10.50	13.42	17.52	11.37	7.82	5.85	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction
 Nautical convention: coming from, clockwise from North

Height: 70m

Dec

Deltares

App. A.2.026

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.03	0.02	0.01	0.01	0.02	0.40	0.93	1.53	0.42	0.20	0.13	3.76
15.0-18.0	0.21	0.25	0.20	0.12	0.04	0.11	0.73	1.52	2.28	0.78	0.37	0.36	6.97
12.0-15.0	0.67	0.89	0.82	0.64	0.31	0.43	1.34	2.47	3.61	1.45	0.80	0.78	14.21
9.0-12.0	1.49	1.87	1.83	1.49	0.95	0.99	1.74	2.64	4.54	2.11	1.42	1.30	22.36
6.0-9.0	2.14	2.31	2.19	1.93	1.43	1.35	1.70	2.46	3.93	2.34	1.82	1.70	25.31
4.0-6.0	1.13	1.29	1.30	1.21	0.99	0.87	0.93	1.23	1.72	1.39	1.11	1.03	14.20
2.0-4.0	0.80	0.91	0.89	0.77	0.70	0.62	0.67	0.79	0.99	0.94	0.82	0.79	9.70
0.0-2.0	0.28	0.32	0.29	0.30	0.28	0.26	0.28	0.29	0.31	0.31	0.29	0.27	3.49
	6.78	7.87	7.54	6.46	4.71	4.65	7.78	12.34	18.91	9.76	6.83	6.37	100.00

All year

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

All Year

Deltares

App. A.2.027

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.09		0.10			0.04	1.12	2.30	4.05	0.76	0.46	0.29	9.22
15.0-18.0	0.23	0.22	0.52	0.24	0.02	0.20	1.95	2.62	4.25	1.87	0.79	0.51	13.41
12.0-15.0	0.33	0.30	1.17	0.99	0.44	0.60	2.65	3.97	3.94	2.23	1.05	0.59	18.26
9.0-12.0	0.94	0.96	1.48	1.86	1.07	1.04	3.05	3.33	3.12	2.38	1.44	1.01	21.66
6.0-9.0	1.02	1.07	1.50	2.27	1.31	1.34	2.13	1.63	1.96	1.95	1.59	1.13	18.90
4.0-6.0	0.66	0.66	1.00	1.23	1.12	1.10	0.97	0.65	0.56	0.85	0.82	0.70	10.31
2.0-4.0	0.33	0.59	0.78	0.69	0.73	0.58	0.51	0.36	0.40	0.41	0.48	0.36	6.24
0.0-2.0	0.09	0.16	0.22	0.22	0.26	0.15	0.16	0.20	0.11	0.19	0.11	0.11	1.99
	3.70	3.97	6.77	7.51	4.95	5.05	12.53	15.07	18.38	10.63	6.75	4.69	100.00

Jan

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Jan

Deltares

App. A.2.028

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.13	0.12		0.05	0.05		0.42	1.73	3.13	1.14	0.63	0.54	7.93
15.0-18.0	0.35	0.23	0.29	0.19	0.15	0.13	0.93	2.32	3.23	1.40	0.47	0.72	10.42
12.0-15.0	0.85	1.14	1.15	0.56	0.31	0.44	1.74	3.93	4.00	2.02	1.46	1.09	18.68
9.0-12.0	0.96	1.58	1.38	1.42	0.63	0.97	2.14	2.76	3.49	2.28	1.93	1.59	21.16
6.0-9.0	1.40	1.28	1.18	1.90	1.46	1.29	2.27	2.05	2.44	2.01	1.63	1.36	20.27
4.0-6.0	0.61	0.86	1.05	1.14	1.31	0.91	0.99	0.69	1.11	1.20	0.87	0.82	11.57
2.0-4.0	0.52	0.62	0.77	0.58	0.70	0.61	0.57	0.52	0.68	0.67	0.64	0.61	7.50
0.0-2.0	0.22	0.22	0.13	0.21	0.25	0.22	0.16	0.13	0.21	0.24	0.20	0.27	2.47
	5.04	6.07	5.95	6.06	4.85	4.57	9.23	14.13	18.30	10.95	7.85	7.00	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Feb

Deltares

App. A.2.029

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.06	0.02	0.03	0.04		0.00	0.31	0.81	1.95	0.60	0.16	0.07	4.07
15.0-18.0	0.26	0.20	0.29	0.32	0.01	0.02	0.47	1.39	2.91	1.11	0.39	0.42	7.80
12.0-15.0	0.78	0.92	0.80	0.83	0.48	0.37	0.96	2.63	4.06	2.08	0.75	1.14	15.78
9.0-12.0	1.34	1.39	2.26	2.06	1.21	1.14	1.81	3.06	3.63	2.62	1.81	1.78	24.11
6.0-9.0	1.63	2.27	2.72	2.06	1.62	1.28	1.77	2.89	3.22	2.52	2.22	1.68	25.89
4.0-6.0	1.01	1.34	1.19	0.97	0.73	0.66	0.54	1.20	1.36	1.08	1.11	0.90	12.08
2.0-4.0	0.57	0.90	0.85	0.59	0.50	0.41	0.46	0.51	0.79	0.63	0.65	0.56	7.41
0.0-2.0	0.32	0.29	0.21	0.22	0.20	0.17	0.25	0.20	0.27	0.30	0.22	0.21	2.87
	5.98	7.33	8.35	7.09	4.75	4.06	6.56	12.69	18.18	10.93	7.30	6.76	100.00

Mar

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Mar

Deltares

App. A.2.030

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.01	0.02				0.16	0.15	0.28	0.01		0.04	0.70
15.0-18.0	0.25	0.53	0.18	0.06		0.09	0.43	1.07	1.33	0.16	0.15	0.15	4.41
12.0-15.0	1.05	1.92	1.91	0.64	0.27	0.35	0.88	1.95	2.90	1.09	0.41	0.44	13.82
9.0-12.0	2.40	3.51	2.99	1.50	1.01	1.18	1.66	2.91	4.08	1.37	0.89	1.19	24.68
6.0-9.0	2.84	3.26	3.00	1.76	1.71	1.27	1.49	2.67	3.81	1.74	1.19	1.18	25.92
4.0-6.0	1.40	1.41	1.53	1.14	0.98	0.91	0.93	1.54	1.95	1.29	1.08	0.81	14.96
2.0-4.0	0.97	0.86	0.80	0.72	0.86	0.78	0.87	1.08	1.16	1.01	0.92	1.09	11.12
0.0-2.0	0.39	0.39	0.32	0.35	0.30	0.35	0.35	0.39	0.32	0.40	0.42	0.40	4.39
	9.34	11.90	10.75	6.16	5.14	4.93	6.77	11.75	15.83	7.06	5.07	5.30	100.00

Apr

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Apr

Deltares

App. A.2.031

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.03	0.00					0.00	0.28	0.34	0.05	0.01	0.00	0.73
15.0-18.0	0.28	0.43	0.26	0.01	0.00	0.01	0.13	0.97	1.53	0.02	0.05	0.06	3.78
12.0-15.0	1.28	2.07	1.89	0.73	0.14	0.27	0.49	1.78	3.61	0.28	0.11	0.59	13.24
9.0-12.0	2.59	4.41	3.19	1.89	0.55	0.66	1.13	2.55	4.41	0.96	0.71	1.14	24.18
6.0-9.0	3.39	4.94	3.22	2.13	1.16	0.72	1.04	1.98	3.96	1.70	1.15	1.70	27.10
4.0-6.0	1.66	2.14	1.75	1.09	0.88	0.60	0.53	1.13	1.81	1.43	1.21	1.17	15.39
2.0-4.0	1.24	1.35	1.16	0.75	0.60	0.49	0.67	0.72	0.98	1.05	0.93	1.03	10.95
0.0-2.0	0.53	0.51	0.38	0.37	0.28	0.36	0.33	0.32	0.34	0.40	0.40	0.41	4.63
	11.00	15.86	11.86	6.96	3.62	3.11	4.31	9.72	16.98	5.89	4.57	6.12	100.00

May

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

May

Deltares

App. A.2.032

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0						0.01	0.01	0.42	0.34			0.01	0.79
15.0-18.0	0.02	0.24	0.03		0.01	0.01	0.04	1.06	1.37	0.05	0.02	0.08	2.92
12.0-15.0	0.27	1.14	0.49	0.14	0.06	0.13	0.19	1.81	3.94	0.30	0.21	0.36	9.03
9.0-12.0	2.13	2.96	1.43	0.92	0.63	0.52	0.61	1.86	7.17	1.25	0.88	1.02	21.38
6.0-9.0	3.74	4.47	2.08	0.99	0.97	1.17	1.30	2.49	5.93	1.98	1.82	2.59	29.53
4.0-6.0	1.97	2.29	1.52	0.95	0.70	0.79	0.93	1.60	2.10	1.66	1.24	1.61	17.38
2.0-4.0	1.49	1.37	1.22	0.93	0.78	0.73	0.99	1.17	1.40	1.34	1.26	1.23	13.91
0.0-2.0	0.34	0.45	0.44	0.39	0.45	0.45	0.47	0.42	0.46	0.40	0.40	0.39	5.06
	9.96	12.93	7.21	4.32	3.60	3.80	4.54	10.83	22.73	6.97	5.82	7.29	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Jun

Deltares

App. A.2.033

Dir80 (° N)

U80 (m/s)	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	Total
>18.0			0.01					0.14	0.30	0.00	0.01	0.02	0.50
15.0-18.0		0.03	0.02	0.00			0.03	0.74	1.31	0.14	0.07	0.08	2.44
12.0-15.0	0.21	0.80	0.50	0.28	0.04	0.02	0.23	1.56	4.40	0.81	0.37	0.38	9.62
9.0-12.0	1.10	2.26	1.64	1.17	0.49	0.22	0.51	2.72	7.59	1.82	1.00	0.90	21.41
6.0-9.0	2.79	2.69	2.18	1.68	0.86	0.57	0.96	3.26	7.61	3.19	1.88	1.80	29.45
4.0-6.0	1.60	1.70	1.42	1.07	0.76	0.70	0.68	1.90	3.16	2.31	1.22	1.20	17.72
2.0-4.0	0.95	1.33	1.24	0.94	0.71	0.65	0.76	1.45	1.59	1.66	1.29	1.18	13.77
0.0-2.0	0.41	0.48	0.42	0.35	0.32	0.32	0.34	0.54	0.62	0.47	0.41	0.41	5.10
	7.05	9.28	7.44	5.50	3.18	2.49	3.51	12.32	26.58	10.40	6.26	5.98	100.00
	Jul												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Jul

Deltares

App. A.2.034

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.03	0.00					0.03	0.19	0.22	0.00	0.07	0.13	0.70
15.0-18.0	0.20	0.05	0.03			0.01	0.07	0.73	1.30	0.11	0.11	0.20	2.84
12.0-15.0	0.40	0.14	0.18	0.03	0.06	0.15	0.24	1.21	3.34	1.04	0.53	0.55	7.88
9.0-12.0	1.31	1.12	1.57	0.88	0.56	0.55	0.66	2.51	6.56	1.89	1.15	1.59	20.35
6.0-9.0	2.46	2.34	2.39	1.68	1.28	1.26	1.06	3.08	6.68	2.82	1.99	2.48	29.52
4.0-6.0	1.43	1.41	1.55	1.32	0.86	0.95	1.04	1.98	3.32	2.26	1.74	1.67	19.53
2.0-4.0	1.28	1.36	0.97	0.86	0.77	0.75	0.93	1.19	1.85	1.67	1.35	1.24	14.22
0.0-2.0	0.39	0.51	0.37	0.46	0.44	0.26	0.38	0.46	0.48	0.42	0.44	0.36	4.98
	7.51	6.94	7.06	5.23	3.98	3.94	4.40	11.36	23.74	10.21	7.39	8.23	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Aug

Deltares

App. A.2.035

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.01				0.01	0.04	0.39	0.99	0.14	0.22	0.05	1.85
15.0-18.0	0.15	0.24	0.05	0.08	0.04	0.04	0.22	1.01	1.81	0.59	0.50	0.58	5.30
12.0-15.0	0.64	0.64	0.27	0.46	0.23	0.30	0.65	1.87	3.16	1.46	0.81	1.21	11.69
9.0-12.0	2.01	1.28	1.44	1.41	0.98	0.92	1.39	1.99	4.76	2.10	1.53	1.43	21.24
6.0-9.0	2.61	1.64	2.43	2.66	1.45	1.63	1.91	3.02	4.58	3.22	2.13	1.84	29.12
4.0-6.0	1.24	1.30	1.53	1.34	1.01	1.02	1.25	1.31	2.26	1.80	1.01	1.04	16.12
2.0-4.0	0.84	0.73	1.08	1.04	0.76	0.76	0.67	0.89	1.31	1.17	0.72	0.81	10.76
0.0-2.0	0.26	0.26	0.29	0.40	0.34	0.29	0.36	0.29	0.37	0.40	0.40	0.27	3.93
	7.76	6.09	7.08	7.40	4.81	4.95	6.50	10.76	19.24	10.88	7.31	7.21	100.00

Sep

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Sep

Deltares

App. A.2.036

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.07	0.01			0.04	0.57	1.54	1.83	0.77	0.11	0.05	5.05
15.0-18.0	0.23	0.34	0.22	0.23	0.13	0.26	1.05	1.94	2.21	0.92	0.30	0.31	8.14
12.0-15.0	0.43	0.52	0.31	1.44	0.90	0.97	2.57	3.07	3.44	1.79	0.90	0.72	17.05
9.0-12.0	0.61	0.89	1.44	2.19	2.01	2.26	3.20	3.17	3.39	2.90	1.59	1.09	24.73
6.0-9.0	1.37	1.25	1.70	2.22	1.92	2.56	2.60	2.25	2.35	2.29	1.93	1.27	23.73
4.0-6.0	0.72	0.87	0.87	1.24	0.95	0.86	1.35	1.21	1.13	0.78	0.81	0.80	11.59
2.0-4.0	0.53	0.79	0.75	0.60	0.62	0.58	0.67	0.74	0.70	0.59	0.54	0.52	7.65
0.0-2.0	0.20	0.24	0.18	0.15	0.17	0.19	0.17	0.17	0.18	0.13	0.13	0.13	2.06
	4.15	4.98	5.49	8.08	6.71	7.72	12.18	14.09	15.22	10.18	6.32	4.89	100.00
	Oct												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Oct

Deltares

App. A.2.037

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.10	0.03	0.07		0.04	0.05	0.87	1.24	1.97	0.51	0.31	0.22	5.41
15.0-18.0	0.40	0.29	0.06	0.01	0.05	0.27	1.72	1.93	2.55	1.15	0.75	0.58	9.75
12.0-15.0	1.21	0.65	0.23	0.35	0.32	1.13	3.12	2.94	2.80	1.89	1.55	1.23	17.44
9.0-12.0	1.64	1.04	1.10	0.56	1.45	1.86	3.09	2.65	3.27	2.99	2.30	1.55	23.49
6.0-9.0	1.29	1.00	1.53	1.62	1.92	2.04	2.52	2.26	2.48	2.58	2.33	1.87	23.44
4.0-6.0	0.67	0.78	0.74	0.97	1.14	1.12	1.10	0.88	0.94	1.22	1.20	0.87	11.64
2.0-4.0	0.44	0.43	0.40	0.56	0.75	0.78	0.51	0.53	0.62	0.61	0.65	0.49	6.76
0.0-2.0	0.14	0.15	0.14	0.13	0.12	0.21	0.20	0.21	0.17	0.25	0.19	0.17	2.07
	5.90	4.37	4.26	4.19	5.79	7.46	13.12	12.65	14.80	11.20	9.28	6.99	100.00
	Nov												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Nov

Deltares

App. A.2.038

Dir80 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.09	0.00	0.03		0.11	1.20	2.04	3.02	1.12	0.47	0.20	8.34
15.0-18.0	0.20	0.19	0.37	0.28	0.11	0.28	1.67	2.56	3.53	1.90	0.81	0.68	12.59
12.0-15.0	0.57	0.47	0.93	1.16	0.44	0.40	2.43	2.95	3.70	2.49	1.55	1.16	18.25
9.0-12.0	0.87	1.05	2.04	1.95	0.73	0.57	1.64	2.16	2.98	2.78	1.83	1.34	19.93
6.0-9.0	1.15	1.50	2.27	2.17	1.51	1.10	1.45	1.94	2.07	2.05	1.92	1.51	20.65
4.0-6.0	0.59	0.68	1.44	2.03	1.49	0.84	0.85	0.63	0.86	0.82	0.95	0.76	11.94
2.0-4.0	0.48	0.54	0.63	0.93	0.66	0.36	0.42	0.34	0.36	0.50	0.41	0.35	5.98
0.0-2.0	0.12	0.21	0.35	0.30	0.23	0.19	0.15	0.15	0.20	0.16	0.14	0.08	2.31
	4.03	4.74	8.04	8.84	5.18	3.85	9.82	12.77	16.72	11.82	8.09	6.09	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 80m

Dec

Deltares

App. A.2.039

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.03	0.02	0.01	0.01	0.03	0.42	0.99	1.64	0.45	0.22	0.15	4.03
15.0-18.0	0.23	0.27	0.22	0.13	0.05	0.11	0.75	1.59	2.35	0.80	0.37	0.36	7.23
12.0-15.0	0.68	0.91	0.86	0.67	0.34	0.45	1.36	2.48	3.66	1.48	0.81	0.80	14.53
9.0-12.0	1.49	1.85	1.81	1.52	0.96	1.01	1.72	2.59	4.53	2.13	1.42	1.31	22.34
6.0-9.0	2.11	2.25	2.14	1.89	1.40	1.32	1.66	2.38	3.84	2.34	1.83	1.69	24.87
4.0-6.0	1.13	1.26	1.27	1.18	0.98	0.85	0.90	1.18	1.67	1.38	1.09	1.02	13.92
2.0-4.0	0.79	0.90	0.88	0.75	0.70	0.61	0.65	0.78	0.98	0.94	0.82	0.78	9.60
0.0-2.0	0.29	0.32	0.29	0.30	0.28	0.26	0.28	0.28	0.31	0.31	0.29	0.27	3.49
	6.76	7.80	7.49	6.46	4.71	4.66	7.76	12.29	18.99	9.83	6.85	6.39	100.00

All year

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

All Year

Deltares

App. A.2.040

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.10	0.00	0.11			0.06	1.18	2.43	4.26	0.84	0.48	0.30	9.77
15.0-18.0	0.22	0.24	0.52	0.26	0.02	0.18	2.00	2.71	4.32	1.89	0.81	0.52	13.70
12.0-15.0	0.35	0.29	1.21	1.02	0.45	0.59	2.60	3.91	3.82	2.18	1.03	0.59	18.03
9.0-12.0	0.93	0.98	1.44	1.83	1.06	1.05	2.98	3.26	3.06	2.42	1.45	1.02	21.47
6.0-9.0	1.05	1.06	1.48	2.27	1.31	1.32	2.08	1.64	1.88	1.91	1.59	1.12	18.70
4.0-6.0	0.64	0.67	0.99	1.22	1.10	1.09	0.92	0.62	0.57	0.84	0.79	0.70	10.14
2.0-4.0	0.33	0.59	0.79	0.68	0.73	0.59	0.51	0.36	0.39	0.40	0.48	0.36	6.21
0.0-2.0	0.09	0.17	0.21	0.22	0.25	0.14	0.17	0.19	0.12	0.18	0.11	0.10	1.98
	3.71	4.00	6.75	7.50	4.92	5.01	12.44	15.12	18.42	10.66	6.75	4.71	100.00

Jan

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Jan

Deltares

App. A.2.041

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.14	0.12		0.05	0.05		0.45	1.87	3.35	1.19	0.66	0.56	8.43
15.0-18.0	0.36	0.25	0.33	0.20	0.16	0.14	0.99	2.44	3.30	1.42	0.48	0.71	10.78
12.0-15.0	0.87	1.14	1.14	0.57	0.33	0.43	1.73	3.78	4.04	2.05	1.50	1.10	18.68
9.0-12.0	0.96	1.59	1.39	1.39	0.64	0.99	2.14	2.83	3.37	2.34	1.91	1.61	21.15
6.0-9.0	1.38	1.27	1.17	1.88	1.49	1.27	2.14	1.85	2.32	1.95	1.62	1.38	19.72
4.0-6.0	0.62	0.86	1.03	1.10	1.26	0.89	0.97	0.68	1.09	1.19	0.88	0.81	11.36
2.0-4.0	0.50	0.62	0.76	0.58	0.68	0.60	0.60	0.52	0.69	0.65	0.63	0.62	7.44
0.0-2.0	0.23	0.20	0.13	0.21	0.25	0.23	0.16	0.13	0.20	0.23	0.21	0.28	2.45
	5.05	6.05	5.95	5.98	4.86	4.55	9.16	14.09	18.37	11.00	7.87	7.08	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Feb

Deltares

App. A.2.042

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.07	0.02	0.04	0.04		0.00	0.34	0.90	2.13	0.63	0.18	0.08	4.44
15.0-18.0	0.28	0.23	0.30	0.34	0.01	0.04	0.50	1.50	3.03	1.19	0.40	0.43	8.26
12.0-15.0	0.78	0.92	0.80	0.85	0.54	0.43	0.98	2.74	4.15	2.12	0.76	1.17	16.23
9.0-12.0	1.34	1.33	2.32	2.12	1.22	1.12	1.80	2.93	3.58	2.64	1.88	1.76	24.04
6.0-9.0	1.65	2.24	2.65	2.02	1.53	1.21	1.67	2.74	3.07	2.43	2.23	1.67	25.11
4.0-6.0	1.00	1.27	1.17	0.95	0.70	0.66	0.52	1.10	1.36	1.05	1.05	0.90	11.72
2.0-4.0	0.56	0.87	0.87	0.56	0.51	0.41	0.45	0.50	0.76	0.62	0.64	0.57	7.32
0.0-2.0	0.33	0.29	0.20	0.22	0.21	0.16	0.21	0.22	0.29	0.29	0.21	0.23	2.88
	6.00	7.17	8.36	7.10	4.72	4.04	6.47	12.63	18.36	10.98	7.35	6.81	100.00

Mar

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Mar

Deltares

App. A.2.043

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.01	0.02			0.01	0.18	0.17	0.30	0.01	0.01	0.04	0.78
15.0-18.0	0.28	0.57	0.26	0.07		0.09	0.50	1.12	1.53	0.19	0.15	0.16	4.92
12.0-15.0	1.08	2.01	1.97	0.70	0.34	0.39	0.94	2.16	3.01	1.15	0.44	0.45	14.63
9.0-12.0	2.41	3.40	2.95	1.52	1.06	1.19	1.63	2.76	4.08	1.36	0.89	1.20	24.46
6.0-9.0	2.71	3.14	2.93	1.75	1.61	1.23	1.47	2.53	3.62	1.83	1.20	1.21	25.23
4.0-6.0	1.38	1.38	1.50	1.06	0.95	0.87	0.94	1.45	1.90	1.26	1.05	0.82	14.58
2.0-4.0	0.94	0.83	0.82	0.68	0.87	0.76	0.88	1.02	1.17	1.02	0.94	1.09	11.02
0.0-2.0	0.43	0.36	0.31	0.34	0.27	0.39	0.38	0.38	0.34	0.40	0.39	0.42	4.38
	9.26	11.71	10.75	6.13	5.09	4.93	6.90	11.58	15.96	7.22	5.06	5.40	100.00

Apr

Total

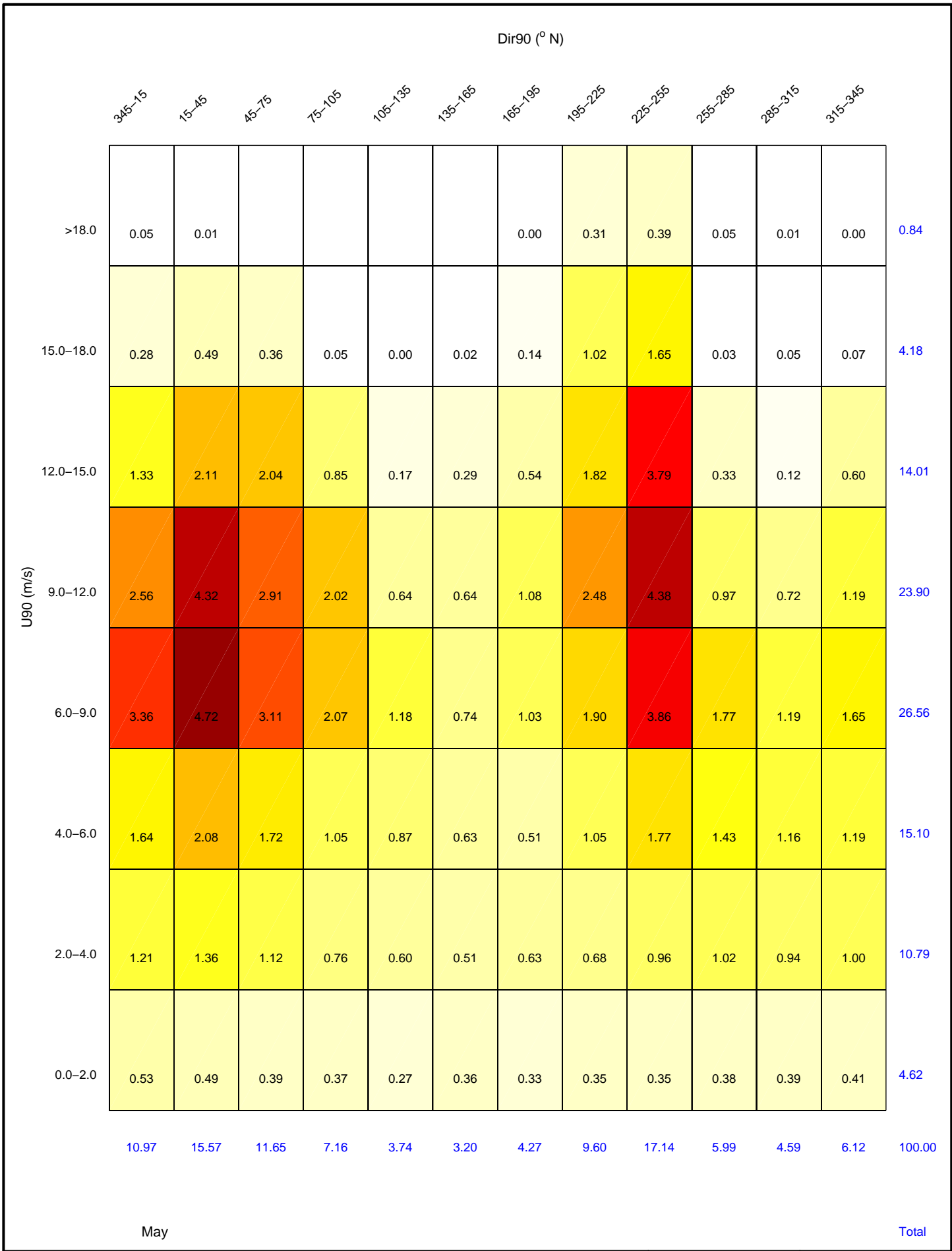
Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Apr

Deltares

App. A.2.044



Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North	Height: 90m	May
Deltares		App. A.2.045

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0		0.01				0.01	0.01	0.44	0.39			0.01	0.86
15.0-18.0	0.03	0.28	0.04		0.01	0.01	0.05	1.09	1.49	0.05	0.02	0.08	3.12
12.0-15.0	0.29	1.26	0.58	0.18	0.11	0.14	0.24	1.90	4.21	0.35	0.22	0.37	9.85
9.0-12.0	2.13	2.93	1.43	0.94	0.61	0.58	0.64	1.77	7.15	1.30	0.88	1.05	21.41
6.0-9.0	3.62	4.35	2.01	0.98	0.93	1.17	1.31	2.41	5.71	2.02	1.82	2.59	28.90
4.0-6.0	1.94	2.26	1.49	0.93	0.71	0.75	0.88	1.60	2.00	1.61	1.26	1.57	17.00
2.0-4.0	1.45	1.39	1.15	0.93	0.74	0.74	0.95	1.18	1.41	1.36	1.27	1.22	13.79
0.0-2.0	0.33	0.45	0.46	0.40	0.46	0.44	0.50	0.41	0.45	0.40	0.38	0.40	5.07
	9.79	12.92	7.16	4.34	3.55	3.82	4.58	10.81	22.81	7.09	5.83	7.29	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Jun

Deltares

App. A.2.046

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0			0.01					0.15	0.35	0.00	0.02	0.03	0.58
15.0-18.0		0.05	0.02	0.00			0.03	0.78	1.43	0.15	0.07	0.07	2.63
12.0-15.0	0.23	0.87	0.57	0.37	0.08	0.05	0.23	1.61	4.56	0.85	0.37	0.39	10.19
9.0-12.0	1.12	2.26	1.64	1.20	0.50	0.26	0.52	2.69	7.78	1.91	1.03	0.90	21.80
6.0-9.0	2.69	2.57	2.09	1.57	0.86	0.56	0.98	3.12	7.47	3.20	1.92	1.80	28.83
4.0-6.0	1.60	1.64	1.38	1.04	0.79	0.68	0.66	1.83	2.94	2.28	1.21	1.18	17.23
2.0-4.0	0.94	1.30	1.22	0.92	0.73	0.62	0.76	1.41	1.60	1.69	1.30	1.16	13.65
0.0-2.0	0.40	0.49	0.43	0.36	0.32	0.31	0.35	0.48	0.64	0.44	0.44	0.41	5.08
	6.97	9.18	7.38	5.46	3.29	2.48	3.53	12.08	26.78	10.53	6.37	5.95	100.00
	Jul												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Jul

Deltares

App. A.2.047

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.00					0.03	0.21	0.25	0.00	0.07	0.14	0.76
15.0-18.0	0.21	0.05	0.04			0.01	0.06	0.76	1.36	0.11	0.11	0.21	2.94
12.0-15.0	0.40	0.16	0.22	0.06	0.10	0.20	0.25	1.24	3.38	1.09	0.54	0.55	8.20
9.0-12.0	1.32	1.14	1.56	0.95	0.56	0.66	0.68	2.52	6.65	1.92	1.15	1.63	20.75
6.0-9.0	2.45	2.29	2.27	1.65	1.20	1.24	1.06	3.03	6.65	2.85	2.06	2.46	29.24
4.0-6.0	1.43	1.36	1.51	1.29	0.84	0.97	1.04	1.88	3.28	2.24	1.72	1.67	19.23
2.0-4.0	1.27	1.32	0.97	0.81	0.78	0.70	0.87	1.19	1.80	1.67	1.31	1.22	13.92
0.0-2.0	0.39	0.49	0.37	0.46	0.42	0.27	0.42	0.41	0.47	0.41	0.47	0.37	4.96
	7.53	6.84	6.95	5.23	3.91	4.05	4.42	11.26	23.84	10.28	7.44	8.25	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Aug

Deltares

App. A.2.048

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.02				0.01	0.05	0.41	1.06	0.15	0.23	0.05	1.97
15.0-18.0	0.16	0.27	0.05	0.10	0.04	0.04	0.22	1.02	1.84	0.61	0.52	0.59	5.46
12.0-15.0	0.67	0.62	0.29	0.45	0.27	0.32	0.71	1.88	3.20	1.48	0.80	1.22	11.92
9.0-12.0	1.99	1.26	1.48	1.51	0.98	0.98	1.42	2.01	4.76	2.08	1.51	1.42	21.40
6.0-9.0	2.62	1.61	2.37	2.58	1.42	1.58	1.89	2.96	4.60	3.23	2.15	1.84	28.85
4.0-6.0	1.23	1.26	1.49	1.32	0.99	0.96	1.21	1.26	2.22	1.81	1.00	1.01	15.78
2.0-4.0	0.83	0.72	1.05	1.03	0.77	0.76	0.66	0.91	1.28	1.17	0.73	0.80	10.69
0.0-2.0	0.26	0.28	0.28	0.39	0.35	0.27	0.36	0.29	0.36	0.41	0.38	0.28	3.92
	7.76	6.04	7.02	7.38	4.82	4.92	6.52	10.74	19.33	10.93	7.31	7.22	100.00

Sep

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Sep

Deltares

App. A.2.049

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.08	0.01			0.05	0.60	1.65	1.97	0.80	0.12	0.06	5.40
15.0-18.0	0.25	0.35	0.23	0.27	0.15	0.25	1.13	1.96	2.18	0.94	0.29	0.31	8.31
12.0-15.0	0.41	0.53	0.31	1.44	0.93	1.04	2.64	3.06	3.44	1.78	0.92	0.73	17.23
9.0-12.0	0.61	0.88	1.44	2.25	2.00	2.26	3.13	3.09	3.38	2.92	1.59	1.09	24.63
6.0-9.0	1.38	1.26	1.67	2.14	1.87	2.47	2.52	2.25	2.33	2.27	1.93	1.27	23.37
4.0-6.0	0.72	0.85	0.86	1.20	0.93	0.82	1.32	1.20	1.13	0.78	0.80	0.80	11.41
2.0-4.0	0.53	0.79	0.75	0.61	0.60	0.60	0.65	0.74	0.68	0.56	0.56	0.52	7.60
0.0-2.0	0.20	0.22	0.20	0.14	0.18	0.18	0.18	0.17	0.17	0.13	0.13	0.14	2.05
	4.16	4.96	5.49	8.04	6.67	7.68	12.17	14.11	15.29	10.18	6.34	4.91	100.00

Oct

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Oct

Deltares

App. A.2.050

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.10	0.03	0.07		0.04	0.06	0.92	1.32	2.11	0.59	0.33	0.26	5.83
15.0-18.0	0.44	0.31	0.07	0.01	0.05	0.27	1.72	2.02	2.54	1.13	0.74	0.55	9.84
12.0-15.0	1.20	0.63	0.23	0.36	0.34	1.16	3.16	2.88	2.75	1.91	1.56	1.26	17.44
9.0-12.0	1.63	1.06	1.09	0.56	1.47	1.84	3.01	2.63	3.25	2.95	2.28	1.54	23.31
6.0-9.0	1.29	0.98	1.53	1.60	1.90	2.01	2.48	2.22	2.44	2.58	2.30	1.86	23.19
4.0-6.0	0.68	0.79	0.73	0.97	1.12	1.12	1.06	0.89	0.94	1.23	1.20	0.86	11.59
2.0-4.0	0.43	0.41	0.42	0.53	0.77	0.76	0.50	0.53	0.61	0.61	0.64	0.49	6.70
0.0-2.0	0.14	0.15	0.14	0.13	0.12	0.21	0.21	0.22	0.16	0.26	0.19	0.17	2.09
	5.91	4.37	4.26	4.16	5.81	7.42	13.05	12.71	14.79	11.26	9.26	7.00	100.00

Nov

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Nov

Deltares

App. A.2.051

Dir90 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.09	0.00	0.03		0.13	1.28	2.09	3.23	1.17	0.51	0.24	8.83
15.0-18.0	0.20	0.19	0.38	0.28	0.13	0.27	1.65	2.68	3.56	1.95	0.82	0.65	12.77
12.0-15.0	0.59	0.48	0.95	1.18	0.44	0.40	2.35	2.91	3.60	2.50	1.55	1.17	18.12
9.0-12.0	0.88	1.05	2.03	1.93	0.73	0.57	1.62	2.10	2.92	2.74	1.82	1.35	19.73
6.0-9.0	1.14	1.51	2.27	2.19	1.49	1.09	1.40	1.94	1.99	2.05	1.92	1.48	20.47
4.0-6.0	0.59	0.67	1.40	2.01	1.49	0.83	0.83	0.63	0.86	0.82	0.94	0.77	11.83
2.0-4.0	0.48	0.55	0.64	0.93	0.63	0.36	0.40	0.35	0.35	0.49	0.40	0.35	5.94
0.0-2.0	0.11	0.22	0.33	0.30	0.24	0.20	0.15	0.14	0.20	0.16	0.15	0.08	2.30
	4.04	4.76	8.01	8.86	5.16	3.86	9.69	12.83	16.70	11.89	8.10	6.09	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 90m

Dec

Deltares

App. A.2.052

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.06	0.04	0.03	0.01	0.01	0.03	0.45	1.07	1.76	0.48	0.23	0.15	4.31
15.0-18.0	0.24	0.29	0.25	0.14	0.05	0.12	0.78	1.65	2.43	0.82	0.37	0.37	7.51
12.0-15.0	0.69	0.95	0.88	0.72	0.38	0.48	1.36	2.47	3.73	1.51	0.83	0.80	14.80
9.0-12.0	1.50	1.82	1.80	1.52	0.97	1.01	1.72	2.55	4.51	2.14	1.44	1.31	22.28
6.0-9.0	2.08	2.20	2.08	1.87	1.36	1.30	1.62	2.31	3.72	2.35	1.83	1.70	24.42
4.0-6.0	1.11	1.23	1.26	1.15	0.97	0.83	0.89	1.16	1.64	1.38	1.08	1.02	13.72
2.0-4.0	0.78	0.89	0.87	0.75	0.68	0.61	0.65	0.77	0.96	0.93	0.81	0.79	9.49
0.0-2.0	0.28	0.32	0.29	0.29	0.28	0.26	0.28	0.28	0.32	0.31	0.29	0.28	3.48
	6.73	7.74	7.45	6.47	4.70	4.65	7.74	12.24	19.07	9.92	6.87	6.42	100.00

All year

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

All Year

Deltares

App. A.2.053

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.10	0.00	0.12			0.06	1.27	2.54	4.49	0.92	0.51	0.32	10.34
15.0-18.0	0.24	0.24	0.54	0.30	0.03	0.21	2.00	2.77	4.35	1.95	0.79	0.52	13.94
12.0-15.0	0.33	0.28	1.22	1.01	0.46	0.57	2.56	3.90	3.70	2.09	1.06	0.60	17.79
9.0-12.0	0.96	0.99	1.42	1.82	1.05	1.04	2.95	3.17	2.98	2.48	1.45	1.01	21.32
6.0-9.0	1.04	1.05	1.48	2.24	1.29	1.29	2.02	1.60	1.84	1.88	1.58	1.13	18.44
4.0-6.0	0.64	0.68	0.98	1.22	1.09	1.08	0.91	0.62	0.56	0.82	0.76	0.69	10.05
2.0-4.0	0.32	0.57	0.79	0.68	0.71	0.56	0.51	0.36	0.39	0.41	0.48	0.36	6.15
0.0-2.0	0.09	0.17	0.21	0.22	0.26	0.14	0.17	0.18	0.12	0.17	0.12	0.10	1.97
	3.72	4.00	6.77	7.49	4.90	4.96	12.39	15.14	18.44	10.71	6.76	4.72	100.00

Jan

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Jan

Deltares

App. A.2.054

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.14	0.13		0.07	0.05		0.48	2.00	3.59	1.26	0.66	0.57	8.94
15.0-18.0	0.38	0.27	0.36	0.20	0.17	0.15	1.06	2.65	3.37	1.40	0.49	0.72	11.23
12.0-15.0	0.87	1.12	1.12	0.58	0.34	0.47	1.71	3.62	4.02	2.15	1.56	1.08	18.65
9.0-12.0	0.96	1.59	1.38	1.38	0.67	0.99	2.08	2.81	3.23	2.32	1.89	1.62	20.91
6.0-9.0	1.41	1.26	1.18	1.86	1.52	1.23	2.04	1.72	2.22	1.92	1.62	1.41	19.38
4.0-6.0	0.57	0.85	1.03	1.04	1.20	0.87	0.93	0.66	1.06	1.21	0.86	0.82	11.11
2.0-4.0	0.50	0.63	0.74	0.58	0.68	0.60	0.58	0.50	0.69	0.63	0.61	0.61	7.34
0.0-2.0	0.23	0.20	0.13	0.22	0.23	0.24	0.16	0.13	0.21	0.21	0.22	0.28	2.45
	5.06	6.05	5.93	5.93	4.87	4.55	9.05	14.07	18.39	11.10	7.90	7.12	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Feb

Deltares

App. A.2.055

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.07	0.03	0.05	0.04		0.01	0.36	0.99	2.34	0.65	0.18	0.10	4.83
15.0-18.0	0.29	0.23	0.30	0.36	0.01	0.05	0.55	1.64	3.15	1.27	0.42	0.42	8.70
12.0-15.0	0.80	0.93	0.83	0.92	0.65	0.43	0.99	2.73	4.06	2.21	0.84	1.20	16.59
9.0-12.0	1.32	1.35	2.33	2.12	1.18	1.14	1.78	2.90	3.62	2.54	1.93	1.75	23.95
6.0-9.0	1.61	2.17	2.60	1.99	1.50	1.14	1.58	2.54	3.03	2.38	2.21	1.69	24.46
4.0-6.0	1.03	1.25	1.14	0.88	0.71	0.64	0.51	1.01	1.31	1.06	0.96	0.89	11.37
2.0-4.0	0.54	0.86	0.85	0.58	0.51	0.37	0.47	0.47	0.77	0.58	0.63	0.58	7.21
0.0-2.0	0.34	0.27	0.20	0.21	0.22	0.17	0.19	0.22	0.29	0.29	0.23	0.24	2.88
	6.01	7.09	8.31	7.10	4.78	3.96	6.42	12.50	18.57	10.98	7.39	6.88	100.00

Mar

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Mar

Deltares

App. A.2.056

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.03	0.03			0.01	0.22	0.21	0.35	0.01	0.01	0.06	0.95
15.0-18.0	0.30	0.61	0.32	0.11	0.01	0.11	0.52	1.26	1.71	0.26	0.17	0.14	5.52
12.0-15.0	1.09	2.13	1.99	0.78	0.39	0.48	0.94	2.17	3.09	1.17	0.45	0.47	15.15
9.0-12.0	2.42	3.27	2.94	1.45	1.09	1.19	1.74	2.64	4.10	1.36	0.93	1.21	24.34
6.0-9.0	2.63	3.00	2.80	1.79	1.49	1.12	1.40	2.39	3.48	1.88	1.20	1.22	24.41
4.0-6.0	1.38	1.37	1.48	1.08	0.94	0.84	0.94	1.45	1.82	1.26	1.11	0.79	14.44
2.0-4.0	0.92	0.80	0.81	0.66	0.87	0.73	0.86	0.99	1.13	1.01	0.94	1.10	10.82
0.0-2.0	0.40	0.37	0.32	0.33	0.27	0.34	0.39	0.37	0.35	0.39	0.40	0.45	4.37
	9.19	11.57	10.69	6.20	5.06	4.81	7.00	11.48	16.03	7.34	5.20	5.44	100.00

Apr

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Apr

Deltares

App. A.2.057

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.02					0.01	0.34	0.47	0.05	0.01	0.01	0.98
15.0-18.0	0.28	0.54	0.54	0.08	0.01	0.04	0.15	1.06	1.81	0.03	0.05	0.07	4.67
12.0-15.0	1.37	2.13	2.09	1.01	0.19	0.31	0.59	1.80	3.95	0.37	0.12	0.61	14.53
9.0-12.0	2.59	4.23	2.70	2.06	0.72	0.62	1.09	2.44	4.30	1.00	0.73	1.19	23.68
6.0-9.0	3.29	4.57	3.05	1.95	1.19	0.77	0.95	1.81	3.71	1.85	1.22	1.63	25.99
4.0-6.0	1.63	1.99	1.68	1.04	0.84	0.64	0.51	0.99	1.74	1.41	1.16	1.17	14.80
2.0-4.0	1.19	1.32	1.13	0.76	0.59	0.53	0.62	0.70	0.96	1.02	0.90	1.05	10.75
0.0-2.0	0.50	0.49	0.40	0.36	0.29	0.32	0.34	0.32	0.35	0.40	0.38	0.43	4.59
	10.92	15.31	11.58	7.25	3.83	3.23	4.27	9.44	17.29	6.13	4.58	6.16	100.00

May

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

May

Deltares

App. A.2.058

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0		0.01				0.01	0.02	0.50	0.43	0.01		0.01	0.98
15.0-18.0	0.03	0.32	0.06	0.01	0.01	0.01	0.06	1.10	1.66	0.06	0.02	0.08	3.40
12.0-15.0	0.30	1.34	0.64	0.21	0.11	0.16	0.27	1.91	4.53	0.38	0.23	0.37	10.47
9.0-12.0	2.16	2.88	1.44	0.96	0.65	0.61	0.65	1.73	7.12	1.31	0.91	1.11	21.50
6.0-9.0	3.50	4.26	1.91	0.97	0.84	1.21	1.30	2.31	5.34	2.15	1.83	2.57	28.18
4.0-6.0	1.89	2.22	1.50	0.93	0.66	0.77	0.82	1.66	1.98	1.61	1.23	1.54	16.82
2.0-4.0	1.46	1.39	1.12	0.94	0.72	0.67	0.97	1.11	1.38	1.35	1.24	1.20	13.55
0.0-2.0	0.33	0.47	0.45	0.38	0.47	0.46	0.47	0.38	0.47	0.45	0.35	0.41	5.10
	9.67	12.90	7.11	4.39	3.46	3.90	4.54	10.70	22.92	7.31	5.81	7.29	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Jun

Deltares

App. A.2.059

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0			0.01					0.17	0.38	0.00	0.02	0.04	0.63
15.0-18.0		0.06	0.07	0.01			0.03	0.81	1.56	0.18	0.08	0.07	2.89
12.0-15.0	0.26	0.97	0.54	0.44	0.11	0.08	0.27	1.67	4.76	0.86	0.37	0.40	10.75
9.0-12.0	1.14	2.23	1.63	1.20	0.56	0.28	0.52	2.68	7.86	1.97	1.05	0.89	22.02
6.0-9.0	2.62	2.44	2.01	1.55	0.81	0.56	0.96	3.04	7.24	3.28	1.93	1.83	28.27
4.0-6.0	1.55	1.57	1.37	0.99	0.81	0.69	0.66	1.71	2.82	2.29	1.23	1.18	16.87
2.0-4.0	0.91	1.28	1.19	0.94	0.71	0.64	0.73	1.36	1.58	1.67	1.30	1.16	13.47
0.0-2.0	0.38	0.50	0.43	0.37	0.31	0.33	0.33	0.49	0.63	0.49	0.42	0.42	5.11
	6.85	9.06	7.26	5.51	3.31	2.58	3.50	11.94	26.84	10.75	6.40	6.00	100.00

Jul

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Jul

Deltares

App. A.2.060

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.04	0.01					0.04	0.24	0.27	0.00	0.07	0.14	0.83
15.0-18.0	0.22	0.05	0.04			0.02	0.06	0.77	1.47	0.11	0.13	0.23	3.12
12.0-15.0	0.41	0.20	0.28	0.15	0.15	0.23	0.27	1.23	3.49	1.13	0.55	0.53	8.63
9.0-12.0	1.35	1.11	1.54	0.95	0.54	0.72	0.74	2.54	6.66	1.95	1.15	1.65	20.90
6.0-9.0	2.43	2.26	2.16	1.66	1.15	1.24	1.03	2.95	6.58	2.88	2.08	2.44	28.85
4.0-6.0	1.42	1.32	1.47	1.21	0.89	0.94	1.03	1.85	3.24	2.23	1.71	1.68	18.98
2.0-4.0	1.26	1.29	0.97	0.82	0.70	0.73	0.85	1.19	1.77	1.65	1.29	1.23	13.75
0.0-2.0	0.36	0.50	0.38	0.44	0.42	0.26	0.41	0.40	0.48	0.41	0.45	0.41	4.94
	7.50	6.75	6.85	5.24	3.86	4.14	4.43	11.18	23.96	10.36	7.43	8.31	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Aug

Deltares

App. A.2.061

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.02				0.01	0.05	0.43	1.11	0.16	0.24	0.05	2.07
15.0-18.0	0.17	0.30	0.05	0.10	0.04	0.05	0.22	1.04	1.87	0.60	0.55	0.62	5.60
12.0-15.0	0.68	0.62	0.31	0.46	0.30	0.36	0.72	1.89	3.32	1.51	0.79	1.22	12.18
9.0-12.0	2.01	1.26	1.55	1.56	0.99	1.01	1.49	1.99	4.75	2.11	1.51	1.44	21.66
6.0-9.0	2.58	1.58	2.30	2.55	1.40	1.58	1.85	2.92	4.53	3.23	2.14	1.83	28.48
4.0-6.0	1.22	1.26	1.46	1.30	0.97	0.89	1.22	1.23	2.18	1.82	0.99	0.99	15.52
2.0-4.0	0.82	0.71	1.03	1.00	0.75	0.75	0.65	0.91	1.27	1.20	0.73	0.79	10.60
0.0-2.0	0.25	0.28	0.30	0.39	0.34	0.27	0.34	0.31	0.35	0.38	0.38	0.29	3.89
	7.75	6.01	7.01	7.35	4.78	4.92	6.54	10.73	19.37	11.01	7.31	7.22	100.00

Sep

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Sep

Deltares

App. A.2.062

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.10	0.01			0.06	0.60	1.77	2.09	0.83	0.14	0.06	5.73
15.0-18.0	0.26	0.34	0.24	0.28	0.18	0.25	1.22	1.99	2.14	0.93	0.27	0.32	8.42
12.0-15.0	0.40	0.53	0.33	1.45	0.97	1.12	2.68	3.02	3.49	1.83	0.94	0.73	17.48
9.0-12.0	0.62	0.89	1.45	2.25	1.95	2.22	3.08	3.04	3.32	2.94	1.59	1.08	24.40
6.0-9.0	1.37	1.24	1.62	2.14	1.86	2.43	2.48	2.24	2.33	2.22	1.91	1.27	23.10
4.0-6.0	0.72	0.86	0.85	1.17	0.92	0.78	1.26	1.22	1.13	0.78	0.81	0.80	11.30
2.0-4.0	0.53	0.80	0.75	0.62	0.58	0.58	0.65	0.73	0.67	0.55	0.56	0.52	7.55
0.0-2.0	0.20	0.20	0.19	0.12	0.20	0.16	0.18	0.18	0.17	0.13	0.13	0.14	2.02
	4.17	4.95	5.45	8.02	6.67	7.61	12.16	14.19	15.32	10.21	6.34	4.91	100.00

Oct

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Oct

Deltares

App. A.2.063

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.11	0.03	0.07		0.05	0.06	0.97	1.41	2.24	0.64	0.35	0.27	6.21
15.0-18.0	0.45	0.31	0.06	0.01	0.04	0.29	1.75	2.06	2.51	1.14	0.75	0.57	9.94
12.0-15.0	1.20	0.64	0.26	0.39	0.38	1.22	3.10	2.84	2.78	1.91	1.56	1.27	17.55
9.0-12.0	1.63	1.07	1.08	0.54	1.49	1.80	3.00	2.60	3.22	2.91	2.31	1.51	23.16
6.0-9.0	1.27	0.98	1.52	1.59	1.83	1.95	2.46	2.21	2.38	2.56	2.27	1.87	22.91
4.0-6.0	0.68	0.79	0.72	0.95	1.13	1.08	1.05	0.87	0.94	1.22	1.20	0.85	11.48
2.0-4.0	0.45	0.40	0.43	0.52	0.75	0.75	0.49	0.55	0.61	0.61	0.62	0.49	6.66
0.0-2.0	0.14	0.15	0.13	0.14	0.13	0.21	0.21	0.21	0.15	0.26	0.19	0.17	2.09
	5.93	4.37	4.26	4.14	5.80	7.37	13.05	12.76	14.82	11.26	9.25	7.00	100.00

Nov

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 100m

Nov

Deltares

App. A.2.064

Dir100 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.10	0.00	0.04	0.00	0.13	1.32	2.23	3.41	1.29	0.54	0.24	9.37
15.0-18.0	0.20	0.20	0.40	0.28	0.13	0.30	1.69	2.67	3.56	1.95	0.80	0.67	12.87
12.0-15.0	0.59	0.49	0.93	1.22	0.45	0.38	2.28	2.89	3.58	2.48	1.56	1.17	18.03
9.0-12.0	0.89	1.04	2.05	1.89	0.73	0.57	1.59	2.03	2.85	2.72	1.82	1.34	19.51
6.0-9.0	1.14	1.51	2.27	2.19	1.48	1.09	1.38	1.94	1.91	2.01	1.91	1.48	20.29
4.0-6.0	0.59	0.65	1.40	1.99	1.49	0.80	0.84	0.61	0.85	0.83	0.93	0.77	11.74
2.0-4.0	0.49	0.54	0.65	0.92	0.63	0.36	0.40	0.35	0.34	0.46	0.41	0.36	5.91
0.0-2.0	0.10	0.22	0.34	0.28	0.24	0.19	0.16	0.14	0.19	0.17	0.15	0.08	2.28
	4.05	4.76	8.04	8.81	5.16	3.82	9.65	12.85	16.70	11.92	8.11	6.12	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North	Height: 100m	Dec
Deltares		App. A.2.065

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.07	0.06	0.04	0.02	0.01	0.04	0.55	1.39	2.31	0.60	0.26	0.19	5.54
15.0-18.0	0.26	0.35	0.33	0.21	0.09	0.17	0.85	1.81	2.74	0.91	0.41	0.39	8.52
12.0-15.0	0.72	0.95	0.91	0.82	0.47	0.54	1.37	2.38	3.74	1.65	0.88	0.83	15.25
9.0-12.0	1.49	1.68	1.74	1.47	0.96	0.96	1.58	2.38	4.27	2.20	1.47	1.33	21.52
6.0-9.0	1.97	2.06	1.88	1.78	1.30	1.24	1.45	2.10	3.41	2.35	1.81	1.67	23.00
4.0-6.0	1.07	1.17	1.20	1.12	0.94	0.82	0.85	1.11	1.54	1.36	1.07	1.01	13.27
2.0-4.0	0.76	0.87	0.86	0.75	0.65	0.62	0.62	0.77	0.96	0.95	0.82	0.79	9.41
0.0-2.0	0.28	0.30	0.29	0.29	0.28	0.25	0.29	0.28	0.30	0.33	0.30	0.29	3.49
	6.63	7.44	7.25	6.45	4.69	4.63	7.56	12.22	19.27	10.34	7.02	6.49	100.00

All year

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

All Year

Deltares

App. A.2.066

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.12	0.01	0.17			0.06	1.58	3.26	5.73	1.20	0.59	0.37	13.11
15.0-18.0	0.23	0.26	0.53	0.38	0.03	0.28	2.05	2.95	4.19	2.01	0.85	0.53	14.29
12.0-15.0	0.37	0.28	1.21	1.03	0.54	0.50	2.34	3.72	3.31	2.18	1.12	0.62	17.22
9.0-12.0	1.00	1.05	1.39	1.78	0.99	0.97	2.58	2.82	2.67	2.49	1.45	1.03	20.22
6.0-9.0	0.99	1.06	1.51	2.21	1.27	1.14	1.81	1.44	1.74	1.72	1.48	1.14	17.49
4.0-6.0	0.65	0.69	1.01	1.14	1.00	1.11	0.83	0.60	0.55	0.77	0.72	0.65	9.72
2.0-4.0	0.29	0.56	0.74	0.64	0.69	0.56	0.44	0.39	0.38	0.41	0.47	0.38	5.96
0.0-2.0	0.12	0.18	0.16	0.26	0.23	0.15	0.16	0.20	0.11	0.17	0.13	0.09	1.99
	3.78	4.10	6.73	7.44	4.75	4.76	11.80	15.39	18.70	10.95	6.80	4.80	100.00

Jan

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Jan

Deltares

App. A.2.067

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.17	0.14		0.08	0.09	0.01	0.62	2.70	4.58	1.52	0.73	0.67	11.29
15.0-18.0	0.44	0.35	0.45	0.18	0.16	0.19	1.18	3.08	3.77	1.56	0.56	0.67	12.60
12.0-15.0	0.84	1.11	1.07	0.63	0.40	0.57	1.65	2.85	3.48	2.49	1.66	1.20	17.94
9.0-12.0	1.04	1.60	1.37	1.35	0.66	0.87	2.03	2.45	2.97	2.15	1.96	1.65	20.09
6.0-9.0	1.45	1.19	1.16	1.80	1.34	1.10	1.49	1.48	2.03	1.92	1.53	1.34	17.82
4.0-6.0	0.58	0.82	0.98	0.93	1.15	0.89	0.86	0.69	0.95	1.11	0.88	0.79	10.64
2.0-4.0	0.49	0.64	0.75	0.56	0.57	0.64	0.55	0.48	0.68	0.64	0.56	0.61	7.17
0.0-2.0	0.21	0.22	0.13	0.19	0.26	0.21	0.19	0.13	0.22	0.25	0.20	0.26	2.45
	5.22	6.07	5.91	5.71	4.63	4.49	8.55	13.85	18.68	11.63	8.07	7.19	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Feb

Deltares

App. A.2.068

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.09	0.04	0.07	0.06	0.00	0.00	0.48	1.46	3.38	0.86	0.21	0.15	6.82
15.0-18.0	0.31	0.31	0.34	0.40	0.09	0.08	0.59	1.80	3.73	1.55	0.47	0.47	10.16
12.0-15.0	0.87	0.87	0.98	1.04	0.71	0.66	1.09	2.54	3.65	2.51	1.02	1.34	17.28
9.0-12.0	1.37	1.24	2.17	2.05	1.23	0.89	1.46	2.51	3.34	2.32	1.99	1.77	22.35
6.0-9.0	1.58	1.96	2.31	1.90	1.42	1.09	1.33	2.14	2.83	2.14	2.09	1.75	22.52
4.0-6.0	1.04	1.18	1.19	0.81	0.66	0.58	0.55	0.89	1.21	1.05	0.93	0.87	10.96
2.0-4.0	0.52	0.81	0.80	0.61	0.47	0.44	0.40	0.50	0.71	0.62	0.60	0.55	7.03
0.0-2.0	0.32	0.25	0.21	0.19	0.19	0.16	0.19	0.20	0.22	0.37	0.27	0.30	2.89
	6.10	6.68	8.07	7.06	4.78	3.91	6.09	12.03	19.06	11.41	7.59	7.21	100.00

Mar

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Mar

Deltares

App. A.2.069

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.08	0.09			0.03	0.30	0.46	0.74	0.03	0.01	0.07	1.84
15.0-18.0	0.39	0.85	0.51	0.23	0.19	0.18	0.59	1.46	2.35	0.50	0.22	0.15	7.62
12.0-15.0	1.05	2.07	2.20	0.98	0.44	0.47	1.13	2.17	3.25	1.26	0.50	0.55	16.08
9.0-12.0	2.36	2.73	2.73	1.51	0.91	1.09	1.40	2.33	3.69	1.56	1.07	1.28	22.66
6.0-9.0	2.37	2.84	2.30	1.65	1.43	1.11	1.27	2.09	3.22	1.85	1.14	1.13	22.40
4.0-6.0	1.32	1.28	1.42	1.19	0.86	0.88	0.94	1.42	1.78	1.30	1.08	0.79	14.27
2.0-4.0	0.83	0.68	0.88	0.58	0.81	0.81	0.79	0.97	1.16	0.93	1.03	1.14	10.62
0.0-2.0	0.39	0.37	0.34	0.33	0.33	0.34	0.42	0.32	0.39	0.36	0.47	0.45	4.51
	8.76	10.90	10.48	6.48	4.97	4.91	6.84	11.20	16.58	7.79	5.53	5.55	100.00

Apr

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Apr

Deltares

App. A.2.070

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.11	0.05	0.02			0.01	0.05	0.53	0.81	0.06	0.03	0.01	1.70
15.0-18.0	0.34	0.70	0.78	0.36	0.04	0.11	0.24	1.15	2.60	0.09	0.06	0.08	6.57
12.0-15.0	1.51	2.11	1.74	1.32	0.30	0.30	0.72	1.93	3.90	0.57	0.14	0.61	15.17
9.0-12.0	2.49	3.68	2.62	1.95	0.86	0.68	0.92	2.19	3.91	1.21	0.77	1.21	22.49
6.0-9.0	3.10	4.25	2.62	1.83	1.17	0.87	0.87	1.46	3.20	2.05	1.30	1.56	24.28
4.0-6.0	1.51	1.84	1.62	1.12	0.80	0.66	0.48	0.84	1.63	1.35	1.10	1.21	14.16
2.0-4.0	1.20	1.33	1.11	0.84	0.59	0.51	0.66	0.78	0.97	1.12	0.82	1.06	10.98
0.0-2.0	0.48	0.40	0.44	0.32	0.32	0.36	0.34	0.30	0.37	0.39	0.45	0.47	4.64
	10.76	14.36	10.96	7.74	4.08	3.50	4.28	9.18	17.40	6.84	4.68	6.21	100.00

May

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

May

Deltares

App. A.2.071

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.09	0.01			0.01	0.02	0.63	0.71	0.01		0.01	1.48
15.0-18.0	0.03	0.32	0.26	0.04	0.02	0.03	0.11	1.18	2.35	0.09	0.02	0.13	4.57
12.0-15.0	0.34	1.41	0.81	0.34	0.28	0.24	0.33	1.78	5.27	0.60	0.29	0.36	12.06
9.0-12.0	2.05	2.80	1.41	0.79	0.60	0.63	0.68	1.75	6.39	1.57	1.01	1.14	20.83
6.0-9.0	3.08	3.89	1.75	0.92	0.81	1.10	1.22	2.11	4.60	2.21	1.83	2.55	26.06
4.0-6.0	1.76	2.05	1.41	0.97	0.69	0.73	0.79	1.59	1.93	1.68	1.23	1.51	16.35
2.0-4.0	1.37	1.46	1.03	0.97	0.66	0.66	1.00	1.15	1.31	1.41	1.23	1.22	13.47
0.0-2.0	0.33	0.48	0.47	0.37	0.42	0.44	0.51	0.40	0.45	0.49	0.37	0.46	5.18
	8.97	12.51	7.16	4.39	3.47	3.83	4.66	10.60	23.00	8.06	5.98	7.39	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
 Nautical convention: coming from, clockwise from North

Height: 150m

Jun

Deltares

App. A.2.072

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0		0.00	0.02				0.00	0.23	0.49	0.02	0.02	0.04	0.84
15.0-18.0	0.02	0.13	0.12	0.07	0.01	0.01	0.08	0.90	2.22	0.20	0.09	0.08	3.95
12.0-15.0	0.34	1.01	0.69	0.55	0.30	0.14	0.28	1.85	5.28	1.03	0.39	0.42	12.28
9.0-12.0	1.10	1.92	1.47	1.08	0.70	0.26	0.52	2.56	7.72	2.27	1.15	0.91	21.66
6.0-9.0	2.39	2.05	1.84	1.40	0.91	0.63	0.84	2.69	6.51	3.41	2.00	1.78	26.44
4.0-6.0	1.46	1.48	1.24	0.96	0.77	0.76	0.58	1.50	2.51	2.32	1.26	1.23	16.07
2.0-4.0	0.91	1.28	1.23	0.83	0.75	0.68	0.73	1.25	1.75	1.76	1.43	1.11	13.70
0.0-2.0	0.42	0.43	0.41	0.43	0.35	0.22	0.41	0.49	0.48	0.52	0.47	0.42	5.06
	6.64	8.31	7.03	5.32	3.80	2.70	3.44	11.46	26.94	11.53	6.82	6.00	100.00

Jul

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Jul

Deltares

App. A.2.073

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.05	0.01				0.00	0.06	0.30	0.47	0.01	0.08	0.16	1.16
15.0-18.0	0.23	0.05	0.05	0.01	0.03	0.06	0.11	0.86	1.61	0.15	0.16	0.25	3.60
12.0-15.0	0.45	0.22	0.35	0.33	0.29	0.28	0.38	1.36	3.93	1.25	0.59	0.54	9.99
9.0-12.0	1.36	1.07	1.33	0.96	0.58	0.75	0.81	2.60	6.69	2.16	1.14	1.68	21.12
6.0-9.0	2.31	2.12	1.74	1.57	1.09	1.24	1.02	2.53	6.18	2.96	2.19	2.42	27.36
4.0-6.0	1.37	1.22	1.27	1.14	0.90	0.87	1.04	1.78	3.03	2.17	1.70	1.68	18.18
2.0-4.0	1.19	1.26	0.95	0.92	0.67	0.71	0.81	1.15	1.78	1.64	1.32	1.29	13.69
0.0-2.0	0.39	0.49	0.38	0.40	0.39	0.28	0.45	0.44	0.46	0.39	0.47	0.35	4.90
	7.36	6.44	6.08	5.34	3.96	4.20	4.68	11.03	24.13	10.74	7.65	8.39	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Aug

Deltares

App. A.2.074

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.02		0.01		0.01	0.07	0.54	1.36	0.20	0.25	0.09	2.55
15.0-18.0	0.21	0.38	0.05	0.10	0.07	0.10	0.25	1.16	1.95	0.66	0.58	0.64	6.15
12.0-15.0	0.71	0.60	0.37	0.51	0.41	0.38	0.80	1.94	3.42	1.53	0.82	1.21	12.68
9.0-12.0	2.02	1.16	1.64	1.53	0.98	1.08	1.47	1.97	4.89	2.19	1.47	1.44	21.82
6.0-9.0	2.57	1.53	2.03	2.38	1.28	1.51	1.86	2.96	4.14	3.28	2.17	1.80	27.51
4.0-6.0	1.23	1.21	1.45	1.20	1.00	0.79	1.15	1.23	2.13	1.83	1.00	0.92	15.15
2.0-4.0	0.81	0.61	0.96	1.00	0.68	0.80	0.63	0.94	1.16	1.17	0.73	0.80	10.28
0.0-2.0	0.28	0.27	0.30	0.37	0.33	0.24	0.33	0.32	0.39	0.37	0.37	0.30	3.86
	7.83	5.78	6.81	7.09	4.75	4.90	6.55	11.05	19.44	11.22	7.38	7.19	100.00

Sep

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Sep

Deltares

App. A.2.075

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.07	0.12	0.01	0.00	0.00	0.10	0.70	2.10	2.43	0.94	0.17	0.07	6.72
15.0-18.0	0.25	0.33	0.29	0.36	0.23	0.32	1.52	2.13	2.22	0.95	0.28	0.31	9.20
12.0-15.0	0.42	0.57	0.33	1.39	1.08	1.20	2.85	3.13	3.40	1.94	0.94	0.77	18.03
9.0-12.0	0.61	0.84	1.47	2.18	1.87	2.01	2.92	3.00	3.16	2.85	1.59	1.07	23.57
6.0-9.0	1.41	1.24	1.52	1.99	1.79	2.14	2.20	2.23	2.33	2.18	1.88	1.24	22.13
4.0-6.0	0.67	0.86	0.78	1.11	0.83	0.79	1.20	1.21	1.13	0.79	0.80	0.80	10.97
2.0-4.0	0.54	0.82	0.71	0.63	0.56	0.55	0.62	0.74	0.64	0.55	0.56	0.51	7.43
0.0-2.0	0.19	0.17	0.17	0.13	0.17	0.18	0.19	0.17	0.17	0.13	0.13	0.13	1.96
	4.17	4.95	5.30	7.79	6.54	7.29	12.20	14.70	15.48	10.32	6.35	4.90	100.00

Oct

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Oct

Deltares

App. A.2.076

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.12	0.03	0.07		0.06	0.08	1.13	1.72	2.78	0.80	0.43	0.33	7.54
15.0-18.0	0.52	0.34	0.08	0.03	0.06	0.35	1.84	2.30	2.42	1.10	0.73	0.62	10.40
12.0-15.0	1.19	0.68	0.27	0.39	0.42	1.34	2.93	2.76	2.74	2.05	1.63	1.24	17.63
9.0-12.0	1.57	1.02	1.09	0.55	1.34	1.80	2.75	2.52	3.06	2.85	2.26	1.49	22.30
6.0-9.0	1.31	1.00	1.50	1.56	1.63	1.86	2.25	2.20	2.27	2.49	2.23	1.85	22.15
4.0-6.0	0.67	0.75	0.67	0.87	1.14	1.06	1.03	0.91	0.89	1.19	1.20	0.86	11.24
2.0-4.0	0.45	0.42	0.44	0.49	0.72	0.73	0.45	0.57	0.63	0.60	0.64	0.49	6.63
0.0-2.0	0.13	0.11	0.15	0.15	0.14	0.22	0.21	0.22	0.16	0.28	0.15	0.19	2.11
	5.97	4.36	4.26	4.03	5.49	7.44	12.60	13.19	14.95	11.36	9.26	7.07	100.00

Nov

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 150m

Nov

Deltares

App. A.2.077

Dir150 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.06	0.11	0.02	0.05	0.00	0.17	1.60	2.75	4.37	1.63	0.60	0.31	11.68
15.0-18.0	0.20	0.21	0.45	0.32	0.17	0.31	1.67	2.85	3.55	2.01	0.85	0.73	13.34
12.0-15.0	0.63	0.51	0.91	1.22	0.41	0.38	1.92	2.54	3.20	2.41	1.55	1.10	16.79
9.0-12.0	0.89	1.05	2.12	1.87	0.73	0.51	1.43	1.90	2.68	2.69	1.85	1.32	19.03
6.0-9.0	1.14	1.51	2.20	2.13	1.41	1.05	1.23	1.86	1.76	1.96	1.88	1.47	19.60
4.0-6.0	0.56	0.65	1.39	1.94	1.45	0.78	0.79	0.60	0.72	0.80	0.93	0.77	11.38
2.0-4.0	0.50	0.52	0.67	0.96	0.60	0.34	0.40	0.36	0.30	0.51	0.42	0.34	5.90
0.0-2.0	0.12	0.24	0.34	0.29	0.23	0.17	0.14	0.16	0.17	0.19	0.14	0.08	2.28
	4.10	4.80	8.09	8.78	5.01	3.72	9.18	13.02	16.75	12.21	8.22	6.12	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North	Height: 150m	Dec
Deltares		App. A.2.078

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.09	0.08	0.06	0.02	0.02	0.05	0.65	1.69	2.89	0.71	0.29	0.21	6.75
15.0-18.0	0.29	0.37	0.35	0.26	0.13	0.21	0.88	1.84	2.80	1.02	0.44	0.40	8.98
12.0-15.0	0.73	0.89	0.91	0.82	0.49	0.55	1.33	2.31	3.60	1.73	0.93	0.84	15.14
9.0-12.0	1.46	1.58	1.65	1.43	0.95	0.86	1.44	2.21	4.08	2.22	1.48	1.33	20.72
6.0-9.0	1.91	1.94	1.81	1.71	1.26	1.16	1.37	2.01	3.23	2.40	1.80	1.66	22.26
4.0-6.0	1.05	1.16	1.16	1.11	0.91	0.84	0.82	1.10	1.54	1.38	1.09	1.02	13.18
2.0-4.0	0.75	0.87	0.84	0.75	0.67	0.61	0.63	0.80	0.96	0.95	0.85	0.78	9.47
0.0-2.0	0.28	0.29	0.27	0.30	0.26	0.26	0.27	0.29	0.31	0.33	0.31	0.31	3.49
	6.56	7.18	7.06	6.41	4.70	4.53	7.38	12.26	19.40	10.75	7.20	6.57	100.00

All year

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

All Year

Deltares

App. A.2.079

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.14	0.02	0.19			0.08	1.77	3.97	6.74	1.49	0.66	0.40	15.47
15.0-18.0	0.24	0.25	0.57	0.46	0.04	0.32	2.01	2.90	4.01	2.11	0.89	0.57	14.34
12.0-15.0	0.38	0.30	1.20	0.97	0.57	0.49	2.28	3.67	3.11	2.16	1.15	0.63	16.92
9.0-12.0	0.99	1.07	1.41	1.74	0.88	0.73	2.08	2.46	2.50	2.45	1.50	1.04	18.85
6.0-9.0	0.99	1.06	1.46	2.23	1.23	1.01	1.60	1.43	1.68	1.70	1.42	1.13	16.94
4.0-6.0	0.64	0.72	1.05	1.07	0.97	1.07	0.75	0.62	0.57	0.72	0.73	0.65	9.54
2.0-4.0	0.29	0.59	0.72	0.62	0.67	0.55	0.44	0.42	0.34	0.41	0.50	0.35	5.90
0.0-2.0	0.14	0.15	0.19	0.26	0.24	0.14	0.16	0.20	0.14	0.14	0.13	0.13	2.04
	3.81	4.16	6.79	7.34	4.60	4.39	11.11	15.66	19.09	11.18	6.97	4.89	100.00

Jan

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Jan

Deltares

App. A.2.080

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.19	0.14		0.08	0.09	0.01	0.84	3.43	5.76	1.77	0.78	0.75	13.84
15.0-18.0	0.51	0.40	0.50	0.19	0.18	0.23	1.06	2.86	3.58	1.84	0.66	0.72	12.72
12.0-15.0	0.80	1.09	1.04	0.62	0.39	0.58	1.61	2.48	3.18	2.49	1.69	1.20	17.17
9.0-12.0	1.06	1.62	1.36	1.39	0.57	0.71	1.75	2.24	2.77	2.07	1.89	1.73	19.17
6.0-9.0	1.45	1.15	1.18	1.68	1.33	0.92	1.28	1.38	1.96	1.86	1.62	1.34	17.14
4.0-6.0	0.60	0.80	0.93	0.91	1.03	0.91	0.76	0.72	0.93	1.09	0.84	0.81	10.32
2.0-4.0	0.43	0.69	0.73	0.55	0.54	0.64	0.60	0.54	0.67	0.63	0.59	0.64	7.25
0.0-2.0	0.20	0.21	0.14	0.18	0.19	0.25	0.18	0.14	0.21	0.20	0.19	0.31	2.39
	5.25	6.09	5.87	5.60	4.32	4.24	8.08	13.79	19.05	11.95	8.26	7.50	100.00

Feb

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Feb

Deltares

App. A.2.081

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.11	0.06	0.11	0.06	0.01	0.01	0.58	1.69	4.64	1.17	0.24	0.18	8.88
15.0-18.0	0.31	0.31	0.33	0.46	0.14	0.21	0.54	1.77	3.46	1.98	0.55	0.49	10.56
12.0-15.0	0.93	0.85	1.01	1.09	0.70	0.60	1.06	2.32	3.09	2.57	1.22	1.49	16.94
9.0-12.0	1.38	1.24	1.98	1.90	1.31	0.82	1.20	2.33	3.13	2.09	2.06	1.81	21.26
6.0-9.0	1.53	1.86	2.20	1.68	1.36	1.06	1.26	1.95	2.69	2.23	1.90	1.78	21.50
4.0-6.0	1.05	1.13	1.14	0.87	0.62	0.66	0.54	0.83	1.24	1.04	0.88	0.87	10.86
2.0-4.0	0.52	0.79	0.83	0.65	0.53	0.42	0.38	0.51	0.67	0.69	0.60	0.54	7.12
0.0-2.0	0.34	0.26	0.19	0.21	0.17	0.14	0.21	0.17	0.20	0.41	0.25	0.32	2.88
	6.18	6.49	7.79	6.92	4.85	3.92	5.77	11.59	19.13	12.17	7.71	7.49	100.00

Mar

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Mar

Deltares

App. A.2.082

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.08	0.12	0.17	0.03	0.03	0.05	0.42	0.75	1.32	0.07	0.03	0.07	3.14
15.0-18.0	0.42	0.87	0.57	0.33	0.19	0.22	0.62	1.53	2.35	0.64	0.31	0.16	8.22
12.0-15.0	1.05	1.82	2.39	1.06	0.46	0.49	1.06	2.21	3.04	1.19	0.59	0.59	15.95
9.0-12.0	2.38	2.27	2.49	1.54	0.92	0.98	1.38	1.98	3.47	1.64	1.10	1.29	21.43
6.0-9.0	2.18	2.70	2.08	1.62	1.36	1.18	1.24	1.95	3.06	1.99	1.15	1.13	21.64
4.0-6.0	1.23	1.33	1.37	1.32	0.86	0.89	0.87	1.39	1.83	1.32	1.12	0.78	14.31
2.0-4.0	0.80	0.70	0.85	0.67	0.82	0.83	0.78	1.02	1.18	0.98	1.04	1.16	10.86
0.0-2.0	0.34	0.38	0.28	0.37	0.30	0.33	0.37	0.43	0.34	0.40	0.46	0.46	4.45
	8.47	10.19	10.21	6.94	4.94	4.98	6.75	11.26	16.59	8.23	5.80	5.64	100.00

Apr

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Apr

Deltares

App. A.2.083

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.13	0.10	0.08	0.01	0.01	0.01	0.09	0.72	1.20	0.10	0.03	0.02	2.53
15.0-18.0	0.42	0.73	0.77	0.54	0.12	0.09	0.37	1.18	2.90	0.18	0.06	0.07	7.44
12.0-15.0	1.52	1.83	1.53	1.34	0.37	0.31	0.63	1.86	3.88	0.76	0.20	0.60	14.84
9.0-12.0	2.39	3.41	2.41	1.94	0.98	0.70	0.81	1.95	3.59	1.23	0.83	1.15	21.39
6.0-9.0	2.95	3.95	2.70	1.79	1.24	0.92	0.82	1.29	2.83	2.31	1.26	1.58	23.66
4.0-6.0	1.56	1.84	1.39	1.22	0.83	0.71	0.52	0.82	1.62	1.37	1.14	1.26	14.27
2.0-4.0	1.14	1.35	1.17	0.86	0.66	0.57	0.60	0.79	1.03	1.11	0.81	1.08	11.17
0.0-2.0	0.45	0.38	0.37	0.39	0.31	0.32	0.33	0.34	0.40	0.45	0.51	0.44	4.71
	10.57	13.59	10.42	8.09	4.53	3.64	4.18	8.96	17.44	7.53	4.85	6.20	100.00

May

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

May

Deltares

App. A.2.084

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.01	0.09	0.06			0.01	0.03	0.80	1.06	0.01		0.02	2.08
15.0-18.0	0.04	0.35	0.34	0.04	0.06	0.02	0.13	1.12	2.88	0.14	0.02	0.15	5.29
12.0-15.0	0.39	1.36	0.76	0.39	0.30	0.24	0.35	1.75	5.05	0.93	0.33	0.38	12.21
9.0-12.0	1.86	2.54	1.30	0.81	0.64	0.66	0.70	1.49	6.01	1.77	1.06	1.15	19.99
6.0-9.0	2.95	3.53	1.76	0.97	0.77	1.01	1.20	2.03	4.17	2.32	1.86	2.55	25.11
4.0-6.0	1.69	2.09	1.44	0.96	0.74	0.69	0.84	1.62	2.02	1.75	1.26	1.52	16.62
2.0-4.0	1.31	1.46	1.07	0.94	0.70	0.62	0.96	1.23	1.33	1.42	1.36	1.19	13.58
0.0-2.0	0.46	0.39	0.38	0.37	0.41	0.43	0.43	0.45	0.42	0.49	0.41	0.49	5.11
	8.68	11.81	7.11	4.48	3.61	3.67	4.66	10.49	22.93	8.83	6.30	7.44	100.00
	Jun												Total

Joint Occurrence table of hourly wind speed vs. wind direction
 Nautical convention: coming from, clockwise from North

Height: 200m

Jun

Deltares

App. A.2.085

		Dir200 (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
U200 (m/s)	>18.0		0.01	0.02					0.34	0.70	0.03	0.03	0.04	1.18
	15.0-18.0	0.02	0.18	0.12	0.16	0.07	0.01	0.12	1.02	2.61	0.24	0.12	0.09	4.79
	12.0-15.0	0.29	0.86	0.80	0.49	0.38	0.12	0.28	1.78	5.39	1.26	0.41	0.42	12.48
	9.0-12.0	1.09	1.85	1.31	1.00	0.75	0.27	0.52	2.45	7.18	2.42	1.23	0.93	21.00
	6.0-9.0	2.23	1.80	1.65	1.38	0.98	0.72	0.82	2.39	6.12	3.63	2.02	1.71	25.44
	4.0-6.0	1.36	1.44	1.23	0.94	0.77	0.84	0.58	1.41	2.45	2.44	1.31	1.29	16.06
	2.0-4.0	0.99	1.27	1.14	0.75	0.81	0.65	0.79	1.29	1.76	1.82	1.52	1.03	13.82
	0.0-2.0	0.39	0.44	0.43	0.48	0.37	0.27	0.39	0.42	0.51	0.57	0.47	0.48	5.22
		6.37	7.85	6.73	5.20	4.13	2.88	3.50	11.11	26.73	12.42	7.11	5.99	100.00
Jul														Total

Joint Occurrence table of hourly wind speed vs. wind direction Nautical convention: coming from, clockwise from North	Height: 200m	Jul
Deltares		App. A.2.086

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.08	0.02				0.00	0.06	0.38	0.64	0.01	0.09	0.17	1.46
15.0-18.0	0.26	0.05	0.06	0.05	0.06	0.06	0.16	0.89	1.81	0.18	0.19	0.26	4.04
12.0-15.0	0.45	0.23	0.29	0.41	0.34	0.24	0.41	1.32	4.06	1.44	0.60	0.55	10.36
9.0-12.0	1.36	0.97	1.29	0.99	0.61	0.73	0.83	2.53	6.69	2.32	1.13	1.67	21.12
6.0-9.0	2.23	1.91	1.51	1.45	1.14	1.08	1.14	2.31	5.90	2.96	2.22	2.42	26.27
4.0-6.0	1.33	1.20	1.16	1.10	0.94	0.93	1.09	1.74	3.02	2.22	1.73	1.73	18.18
2.0-4.0	1.20	1.23	0.91	0.89	0.73	0.72	0.81	1.16	1.81	1.52	1.45	1.24	13.68
0.0-2.0	0.41	0.49	0.40	0.39	0.34	0.31	0.41	0.45	0.49	0.37	0.50	0.32	4.89
	7.33	6.10	5.63	5.28	4.15	4.07	4.92	10.80	24.42	11.04	7.91	8.36	100.00

Aug

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Aug

Deltares

App. A.2.087

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.02	0.03		0.01	0.01	0.01	0.09	0.61	1.55	0.22	0.28	0.14	2.94
15.0-18.0	0.23	0.40	0.06	0.11	0.13	0.11	0.30	1.28	2.04	0.73	0.59	0.62	6.60
12.0-15.0	0.72	0.60	0.42	0.52	0.42	0.44	0.91	1.95	3.47	1.55	0.81	1.23	13.03
9.0-12.0	2.01	1.14	1.54	1.45	1.16	0.94	1.48	2.05	4.87	2.22	1.46	1.39	21.70
6.0-9.0	2.55	1.50	1.99	2.16	1.22	1.42	1.84	2.84	3.98	3.33	2.19	1.76	26.80
4.0-6.0	1.22	1.18	1.39	1.12	0.94	0.81	1.12	1.24	2.04	1.84	1.06	0.95	14.90
2.0-4.0	0.81	0.59	0.88	0.99	0.70	0.77	0.67	0.97	1.12	1.18	0.74	0.79	10.21
0.0-2.0	0.25	0.24	0.29	0.37	0.29	0.32	0.25	0.38	0.37	0.39	0.38	0.30	3.82
	7.81	5.66	6.58	6.73	4.87	4.81	6.64	11.32	19.43	11.45	7.51	7.19	100.00
	Sep												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Sep

Deltares

App. A.2.088

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.08	0.14	0.03		0.00	0.13	0.82	2.38	2.74	1.01	0.18	0.08	7.62
15.0-18.0	0.26	0.34	0.28	0.39	0.31	0.38	1.78	2.33	2.21	1.01	0.27	0.31	9.86
12.0-15.0	0.40	0.56	0.34	1.33	1.18	1.41	2.87	3.32	3.39	1.95	0.99	0.82	18.55
9.0-12.0	0.62	0.85	1.49	2.02	1.62	1.62	2.77	2.78	3.11	2.84	1.54	1.06	22.31
6.0-9.0	1.37	1.22	1.45	1.92	1.74	1.99	2.08	2.19	2.38	2.14	1.89	1.23	21.61
4.0-6.0	0.67	0.85	0.76	1.01	0.78	0.78	1.06	1.29	1.14	0.79	0.83	0.77	10.71
2.0-4.0	0.53	0.82	0.65	0.69	0.56	0.51	0.64	0.71	0.66	0.57	0.57	0.53	7.43
0.0-2.0	0.16	0.18	0.16	0.13	0.17	0.19	0.18	0.15	0.19	0.11	0.13	0.14	1.91
	4.09	4.96	5.16	7.48	6.37	7.02	12.21	15.14	15.81	10.42	6.39	4.94	100.00

Oct

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Oct

Deltares

App. A.2.089

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.13	0.04	0.07		0.06	0.10	1.34	2.02	3.18	0.92	0.49	0.38	8.72
15.0-18.0	0.54	0.36	0.09	0.03	0.08	0.48	1.77	2.37	2.35	1.10	0.73	0.61	10.49
12.0-15.0	1.22	0.70	0.25	0.37	0.37	1.35	2.83	2.74	2.70	2.11	1.64	1.21	17.51
9.0-12.0	1.55	1.00	1.10	0.55	1.22	1.75	2.58	2.51	3.02	2.85	2.25	1.52	21.91
6.0-9.0	1.30	1.03	1.48	1.52	1.43	1.71	2.13	2.31	2.20	2.39	2.23	1.86	21.58
4.0-6.0	0.66	0.72	0.68	0.88	1.05	1.03	0.98	0.93	0.90	1.19	1.21	0.84	11.07
2.0-4.0	0.46	0.42	0.44	0.44	0.75	0.67	0.48	0.56	0.64	0.60	0.60	0.53	6.59
0.0-2.0	0.10	0.10	0.14	0.17	0.14	0.20	0.21	0.23	0.20	0.28	0.14	0.21	2.12
	5.97	4.37	4.25	3.96	5.10	7.29	12.32	13.66	15.18	11.44	9.28	7.17	100.00

Nov

Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Nov

Deltares

App. A.2.090

Dir200 (° N)

	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
>18.0	0.06	0.13	0.02	0.05	0.00	0.18	1.71	3.28	5.23	1.79	0.66	0.35	13.47
15.0-18.0	0.22	0.21	0.48	0.35	0.21	0.35	1.67	2.85	3.40	2.13	0.91	0.80	13.58
12.0-15.0	0.67	0.53	0.88	1.21	0.38	0.29	1.65	2.35	2.85	2.35	1.63	1.04	15.82
9.0-12.0	0.88	1.06	2.14	1.81	0.74	0.45	1.26	1.79	2.57	2.67	1.79	1.32	18.48
6.0-9.0	1.14	1.49	2.20	2.13	1.31	0.96	1.00	2.02	1.71	1.96	1.83	1.48	19.22
4.0-6.0	0.54	0.66	1.40	1.87	1.42	0.75	0.75	0.61	0.65	0.79	0.96	0.79	11.18
2.0-4.0	0.53	0.53	0.69	0.98	0.60	0.35	0.37	0.37	0.29	0.50	0.45	0.31	5.99
0.0-2.0	0.12	0.28	0.31	0.29	0.20	0.16	0.14	0.13	0.20	0.19	0.16	0.08	2.27
	4.17	4.89	8.12	8.70	4.87	3.50	8.54	13.39	16.90	12.38	8.38	6.16	100.00
	Dec												Total

Joint Occurrence table of hourly wind speed vs. wind direction
Nautical convention: coming from, clockwise from North

Height: 200m

Dec

Deltares

App. A.2.091

		MWD (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
Wind direction (° N)	315-345	1.19	0.14	0.02	0.01	0.01	0.00	0.00	0.01	0.07	0.19	0.61	3.95	6.20
	285-315	0.40	0.09	0.03	0.01	0.01	0.01	0.01	0.04	0.15	0.73	2.70	2.61	6.79
	255-285	0.36	0.09	0.03	0.02	0.01	0.01	0.02	0.10	0.94	3.84	2.54	1.37	9.34
	225-255	0.40	0.11	0.06	0.02	0.02	0.02	0.06	0.72	9.88	3.90	1.65	1.23	18.07
	195-225	0.39	0.09	0.07	0.05	0.06	0.06	0.38	4.95	3.99	0.93	0.67	0.88	12.51
	165-195	0.38	0.09	0.12	0.09	0.14	0.39	2.60	2.44	0.62	0.37	0.32	0.48	8.06
	135-165	0.50	0.18	0.22	0.18	0.45	1.24	0.89	0.34	0.20	0.17	0.18	0.33	4.89
	105-135	0.62	0.34	0.44	0.88	1.24	0.37	0.14	0.11	0.13	0.11	0.09	0.28	4.75
	75-105	0.91	0.91	1.74	1.98	0.20	0.07	0.04	0.05	0.11	0.09	0.12	0.33	6.53
	45-75	1.57	2.56	2.86	0.20	0.03	0.02	0.01	0.01	0.05	0.07	0.11	0.37	7.85
	15-45	3.35	3.75	0.33	0.01	0.01	0.01	0.01	0.01	0.04	0.06	0.11	0.49	8.18
	345-15	4.60	0.48	0.03	0.00	0.00	0.01	0.01	0.01	0.04	0.10	0.15	1.39	6.82
All year		14.67	8.84	5.95	3.45	2.19	2.21	4.16	8.80	16.22	10.55	9.25	13.72	100.00
													Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

All Year

Deltares

App. B.1.001

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.25	0.67	0.12	0.02	0.05	0.03	0.03	0.04	0.30	0.42	0.51	2.23	6.66	
	285-315	1.61	0.51	0.15	0.02	0.06	0.04	0.04	0.12	0.33	0.51	0.90	2.68	6.97	
	255-285	1.86	0.54	0.20	0.09	0.05	0.04	0.13	0.19	0.53	0.93	1.22	2.71	8.49	
	225-255	1.83	0.46	0.32	0.13	0.09	0.08	0.09	0.37	0.79	1.00	1.61	2.80	9.58	
	195-225	1.86	0.41	0.28	0.20	0.16	0.14	0.20	0.39	1.28	0.91	1.07	2.46	9.36	
	165-195	1.72	0.32	0.55	0.25	0.23	0.29	0.22	0.44	0.84	0.92	0.89	1.77	8.42	
	135-165	1.73	0.50	0.61	0.34	0.23	0.41	0.32	0.31	0.58	0.55	0.62	1.52	7.73	
	105-135	2.31	0.63	0.66	0.26	0.23	0.29	0.19	0.25	0.61	0.46	0.34	1.51	7.74	
	75-105	3.19	1.20	0.81	0.23	0.18	0.11	0.08	0.16	0.51	0.48	0.55	1.65	9.15	
	45-75	3.51	1.54	0.88	0.16	0.13	0.07	0.02	0.07	0.30	0.41	0.48	1.65	9.21	
	15-45	3.74	1.50	0.54	0.05	0.03	0.07	0.04	0.05	0.19	0.32	0.50	1.81	8.83	
	345-15	3.32	1.10	0.15	0.01	0.03	0.04	0.05	0.07	0.22	0.37	0.53	1.96	7.85	
		28.93	9.37	5.27	1.75	1.48	1.61	1.41	2.46	6.48	7.27	9.23	24.74	100.00	
		1 m/s ≤ U ₁₀ < 3 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 10m

1 m/s ≤ U₁₀ < 3 m/s

Deltares

App. B.1.002

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.78	0.27	0.03	0.01	0.01	0.01	0.00	0.01	0.12	0.33	0.75	2.81	6.14	
	285-315	0.93	0.17	0.06	0.02	0.02	0.01	0.00	0.05	0.21	0.69	1.54	3.13	6.83	
	255-285	0.72	0.18	0.07	0.05	0.03	0.02	0.02	0.15	0.62	1.40	2.09	2.93	8.28	
	225-255	0.85	0.25	0.08	0.04	0.06	0.03	0.12	0.56	1.98	1.98	2.41	2.99	11.34	
	195-225	0.89	0.18	0.15	0.10	0.14	0.13	0.31	1.02	1.92	1.18	1.37	2.21	9.58	
	165-195	0.80	0.22	0.25	0.21	0.35	0.53	0.71	1.14	0.77	0.53	0.54	1.02	7.07	
	135-165	1.21	0.32	0.50	0.43	0.60	0.84	0.66	0.53	0.35	0.34	0.42	0.59	6.78	
	105-135	1.52	0.81	1.04	1.12	0.88	0.56	0.32	0.28	0.27	0.24	0.22	0.51	7.76	
	75-105	2.14	1.90	1.77	0.96	0.31	0.19	0.13	0.12	0.24	0.15	0.24	0.67	8.83	
	45-75	3.86	2.93	1.54	0.36	0.08	0.06	0.01	0.03	0.07	0.11	0.25	0.86	10.16	
	15-45	4.75	2.67	0.56	0.02	0.02	0.02	0.01	0.02	0.09	0.10	0.23	1.26	9.75	
	345-15	3.99	0.98	0.08	0.01	0.01	0.01	0.02	0.00	0.04	0.20	0.26	1.88	7.49	
		23.44	10.88	6.13	3.33	2.50	2.40	2.33	3.91	6.69	7.25	10.32	20.83	100.00	
		3 m/s $\leq U_{10} < 5$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 10m

3 m/s $\leq U_{10} < 5$ m/s

Deltares

App. B.1.003

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.53	0.11	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.23	0.78	3.80	6.53	
	285-315	0.28	0.02	0.01	0.00	0.01	0.00	0.00	0.04	0.17	0.79	2.44	3.16	6.93	
	255-285	0.13	0.02		0.02	0.01	0.01	0.02	0.10	0.76	2.17	3.09	2.07	8.38	
	225-255	0.23	0.07	0.02	0.00	0.01	0.01	0.07	0.60	4.14	3.83	2.81	1.69	13.48	
	195-225	0.19	0.05	0.04	0.04	0.09	0.10	0.63	2.36	2.90	1.43	1.06	1.12	10.02	
	165-195	0.20	0.09	0.11	0.10	0.19	0.72	1.60	1.86	0.74	0.46	0.42	0.35	6.85	
	135-165	0.43	0.29	0.23	0.26	0.75	1.40	1.03	0.63	0.29	0.20	0.13	0.29	5.92	
	105-135	0.52	0.57	0.65	1.62	1.69	0.49	0.22	0.12	0.07	0.07	0.07	0.12	6.21	
	75-105	0.95	1.67	2.88	2.27	0.36	0.11	0.06	0.04	0.04	0.03	0.04	0.20	8.65	
	45-75	2.23	3.61	2.90	0.33	0.03	0.01	0.00		0.02	0.02	0.06	0.19	9.39	
	15-45	5.12	3.51	0.48	0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.06	0.31	9.55	
	345-15	5.49	0.58	0.01	0.01		0.00		0.01	0.02	0.07	0.13	1.78	8.09	
		17.30	10.59	7.32	4.66	3.15	2.87	3.64	5.80	9.21	9.31	11.09	15.08	100.00	
		5 m/s $\leq U_{10} < 7$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

5 m/s $\leq U_{10} < 7$ m/s

Deltares

App. B.1.004

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.08	0.03	0.00						0.01	0.15	0.69	4.22	6.17	
	285-315	0.07	0.01		0.00			0.00	0.02	0.14	0.78	3.09	2.92	7.03	
	255-285	0.06	0.01	0.00				0.01	0.09	1.20	3.71	3.48	0.90	9.45	
	225-255	0.04	0.02	0.01	0.00	0.00	0.00	0.05	0.68	8.53	5.72	1.99	0.62	17.66	
	195-225	0.01	0.03	0.03	0.01	0.03	0.03	0.44	4.02	3.80	1.18	0.54	0.26	10.36	
	165-195	0.07	0.04	0.03	0.03	0.11	0.48	2.69	2.38	0.71	0.34	0.23	0.25	7.37	
	135-165	0.11	0.10	0.11	0.13	0.62	1.72	1.19	0.32	0.11	0.10	0.07	0.08	4.66	
	105-135	0.09	0.16	0.31	1.14	2.06	0.39	0.09	0.05	0.04	0.01	0.01	0.04	4.37	
	75-105	0.20	0.75	2.25	2.85	0.20	0.02	0.01	0.01	0.01	0.00	0.02	0.03	6.34	
	45-75	0.71	3.56	4.57	0.23	0.01			0.00	0.00	0.00	0.01	0.03	9.12	
	15-45	3.87	5.28	0.27	0.00					0.01	0.01	0.02	0.11	9.57	
	345-15	6.22	0.34				0.00		0.01	0.00	0.03	0.07	1.23	7.90	
		12.52	10.33	7.57	4.39	3.03	2.63	4.47	7.58	14.57	12.02	10.20	10.69	100.00	
7 m/s ≤ U ₁₀ < 9 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

7 m/s ≤ U₁₀ < 9 m/s

Deltares

App. B.1.005

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.77	0.00						0.00	0.03	0.08	0.56	4.76	6.22	
	285-315	0.01							0.01	0.09	0.78	3.62	2.40	6.91	
	255-285			0.00				0.00	0.07	1.18	5.42	2.88	0.33	9.90	
	225-255	0.00	0.02	0.00			0.01	0.03	1.01	14.08	5.62	1.03	0.10	21.92	
	195-225	0.00	0.01			0.00	0.03	0.46	6.71	5.15	0.68	0.14	0.03	13.23	
	165-195	0.01		0.02	0.02	0.02	0.24	3.99	3.01	0.52	0.22	0.10	0.05	8.21	
	135-165	0.03	0.03	0.03	0.04	0.44	1.67	1.25	0.24	0.04	0.03	0.02	0.02	3.83	
	105-135	0.00	0.04	0.12	0.70	1.70	0.37	0.05	0.01		0.00		0.01	2.99	
	75-105	0.00	0.18	1.81	2.81	0.10		0.01						4.91	
	45-75	0.14	2.69	4.50	0.09	0.00	0.00					0.00	0.01	7.44	
	15-45	2.40	5.10	0.18								0.00	0.04	7.73	
	345-15	5.28	0.13							0.01	0.02	0.07	1.20	6.72	
		8.66	8.20	6.66	3.66	2.26	2.33	5.78	11.08	21.11	12.86	8.42	8.97	100.00	
9 m/s ≤ U ₁₀ < 11 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

9 m/s ≤ U₁₀ < 11 m/s

Deltares

App. B.1.006

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.32									0.02	0.47	5.23	6.04	
	285-315	0.01						0.01	0.07	0.91	3.67	1.95	6.61		
	255-285							0.07	1.36	6.87	2.27	0.02	10.58		
	225-255	0.01	0.01					0.02	1.01	18.79	5.01	0.41	0.02	25.26	
	195-225	0.01						0.30	10.77	6.37	0.46	0.07	17.98		
	165-195				0.01	0.02	0.12	5.13	4.08	0.37	0.07	0.03	9.83		
	135-165	0.01	0.01	0.02	0.02	0.09	1.63	0.85	0.09	0.01		0.01	2.72		
	105-135	0.01		0.02	0.44	1.00	0.20	0.02	0.01	0.01			1.70		
	75-105			0.98	2.93	0.06	0.01	0.01					3.98		
	45-75	0.07	1.53	2.87	0.03								4.50		
	15-45	1.03	5.05	0.14						0.01	0.01		0.01	6.24	
	345-15	3.75	0.12							0.01		0.02	0.66	4.56	
		5.20	6.71	4.03	3.42	1.16	1.95	6.32	16.04	26.98	13.35	6.93	7.89	100.00	
		11 m/s $\leq U_{10} < 13$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

11 m/s $\leq U_{10} < 13$ m/s

Deltares

App. B.1.007

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.23									0.02	0.28	5.10	5.62	
	285-315									0.03	0.59	3.41	1.48	5.51	
	255-285								0.05	0.96	8.07	1.74	0.01	10.82	
	225-255								1.01	24.92	4.12	0.05		30.10	
	195-225							0.16	13.23	7.04	0.14	0.01	0.01	20.59	
	165-195						0.05	5.06	4.91	0.37	0.04			10.44	
	135-165					0.01	0.78	0.71	0.02	0.02				1.53	
	105-135			0.01	0.14	0.44	0.19	0.01						0.79	
	75-105			0.73	1.90	0.06								2.69	
	45-75		0.78	2.74	0.02									3.54	
	15-45	0.68	3.57	0.05									0.02	4.32	
	345-15	3.30									0.02	0.01	0.70	4.04	
		4.21	4.35	3.54	2.06	0.51	1.02	5.95	19.22	33.34	12.98	5.51	7.32	100.00	
		13 m/s $\leq U_{10} < 15$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

13 m/s $\leq U_{10} < 15$ m/s

Deltares

App. B.1.008

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.23									0.02	0.40	5.10	5.74
285-315									0.02	0.70	4.34	1.08	6.14
255-285								0.04	1.23	9.24	2.27	0.02	12.79
225-255								1.04	31.52	2.64	0.02		35.22
195-225							0.09	13.45	8.74	0.04			22.32
165-195							5.33	5.17	0.04				10.54
135-165					0.02	0.60	0.81	0.02					1.45
105-135				0.17	0.17	0.17							0.51
75-105			0.02	0.59									0.60
45-75	0.02	0.08	0.59										0.68
15-45	0.28	1.42	0.09										1.79
345-15	1.55	0.04									0.02	0.60	2.21
	2.08	1.53	0.70	0.76	0.19	0.77	6.23	19.72	41.55	12.63	7.04	6.80	100.00

15 m/s $\leq U_{10} < 17$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 10m

15 m/s $\leq U_{10} < 17$ m/s

Deltares

App. B.1.009

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.15										0.10	3.76	4.00
285-315									0.10	0.39	4.93	1.46	6.88
255-285									0.73	7.66	1.32		9.71
225-255								0.88	37.24	1.37			39.48
195-225							0.05	14.10	11.13				25.28
165-195							5.17	5.91					11.08
135-165					0.29	0.29	0.05						0.63
105-135				0.15									0.15
75-105				0.34									0.34
45-75													
15-45		0.73											0.73
345-15	1.02											0.68	1.71
	1.17	0.73		0.49		0.29	5.51	20.94	49.19	9.42	6.34	5.91	100.00

17 m/s $\leq U_{10} < 19$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 10m

17 m/s $\leq U_{10} < 19$ m/s

Deltares

App. B.1.010

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345											0.19	3.53	3.72	
	285-315										0.74	5.76	1.30	7.81	
	255-285									0.19	8.18	2.42		10.78	
	225-255								0.37	39.22	2.79			42.38	
	195-225								14.31	11.34				25.65	
	165-195							2.79	5.58					8.36	
	135-165							0.19						0.19	
	105-135														
	75-105														
	45-75														
	15-45		0.19												0.19
	345-15	0.37												0.56	0.93
		0.37	0.19					2.97	20.26	50.74	11.71	8.36	5.39	100.00	
		19 m/s $\leq U_{10} < 21$ m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

19 m/s $\leq U_{10} < 21$ m/s

Deltares

App. B.1.011

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												1.27	1.27	
	285-315										1.91	3.18	0.64	5.73	
	255-285									1.27	12.74			14.01	
	225-255								36.94	1.91				38.85	
	195-225							15.92	13.38					29.30	
	165-195						2.55	8.28						10.83	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
							2.55	24.20	51.59	16.56	3.18	1.91	100.00		
21 m/s $\leq U_{10} < 23$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

21 m/s $\leq U_{10} < 23$ m/s

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												3.85	3.85	
	285-315											3.85		3.85	
	255-285									7.69	3.85			11.54	
	225-255								50.00	1.92				51.92	
	195-225							11.54	11.54					23.08	
	165-195							5.77						5.77	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								17.31	61.54	9.62	7.69	3.85	100.00		
23 m/s $\leq U_{10} < 25$ m/s													Total		

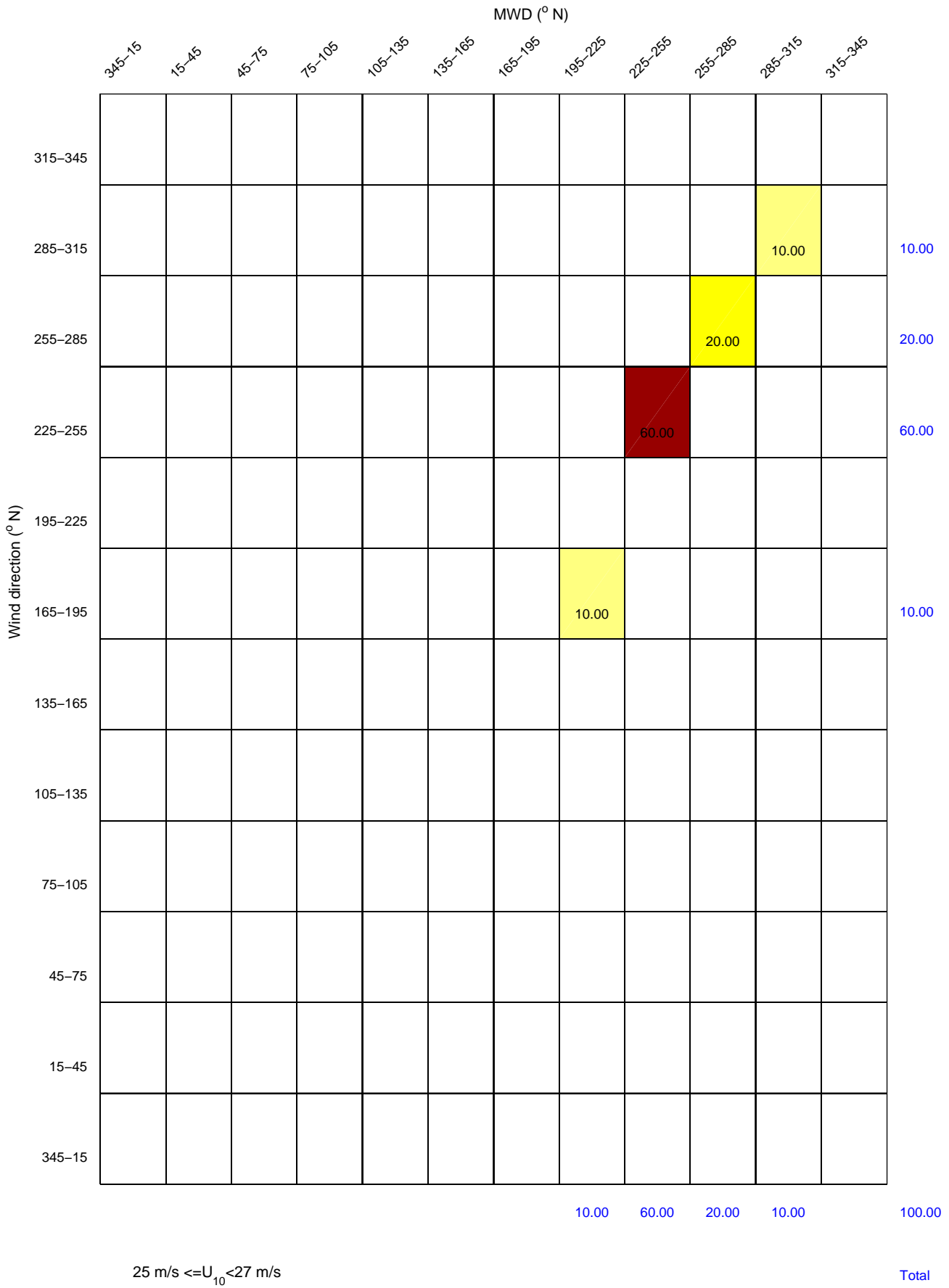
Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 10m

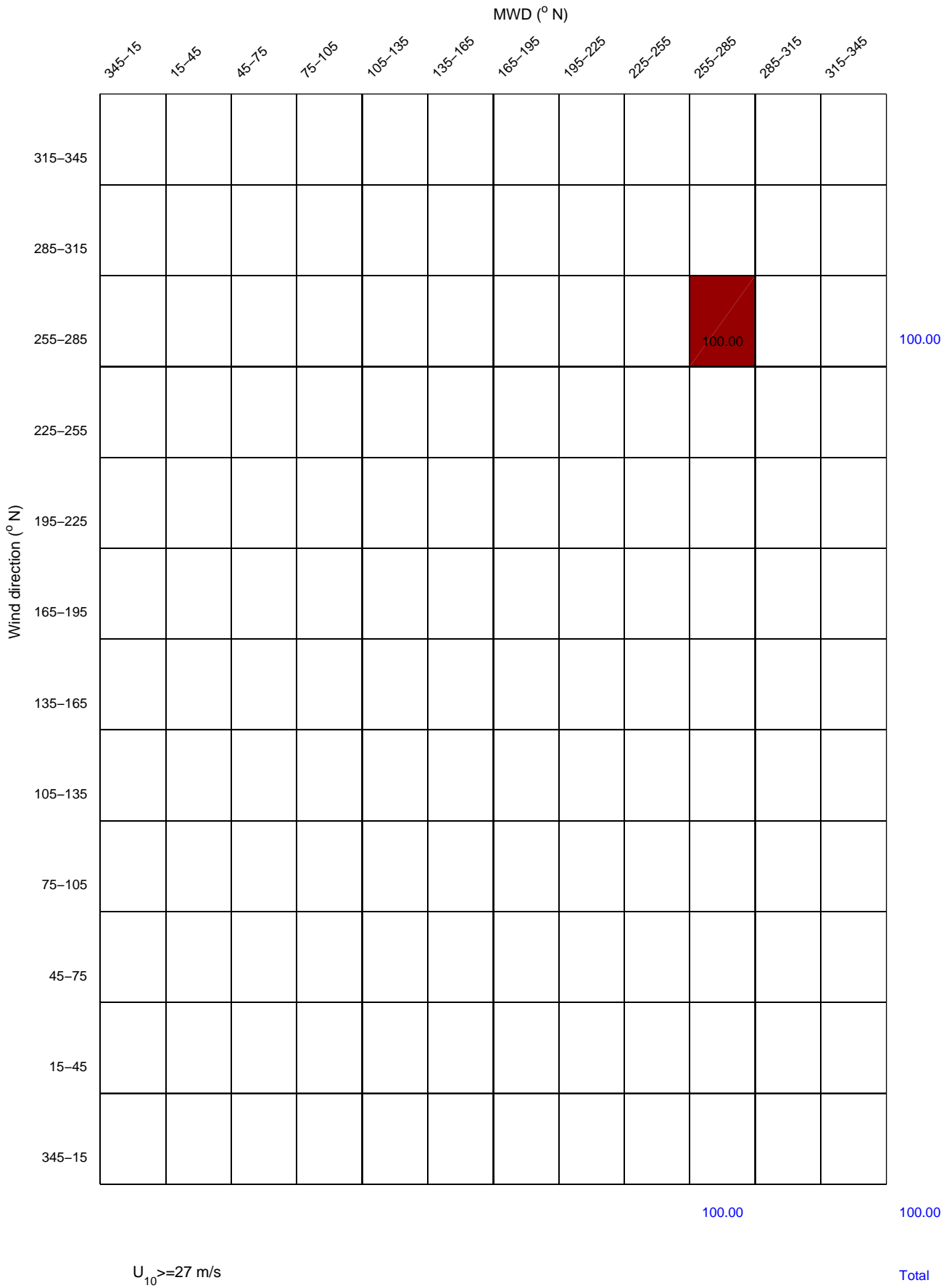
23 m/s $\leq U_{10} < 25$ m/s

Deltares

App. B.1.013



Joint Occurrence table of wind direction vs. wave direction Nautical convention: coming from, clockwise from North	Height: 10m	
	25 m/s $\leq U_{10} < 27$ m/s	
Deltares		App. B.1.014



Joint Occurrence table of wind direction vs. wave direction Nautical convention: coming from, clockwise from North	Height: 10m	
	U ₁₀ ≥ 27 m/s	
Deltares		App. B.1.015

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.91	0.10	0.01	0.00	0.00	0.00	0.01	0.01	0.06	0.17	0.59	3.49	5.37	
	285-315	0.35	0.11	0.03	0.01	0.02	0.00	0.01	0.04	0.18	0.74	2.65	2.46	6.58	
	255-285	0.37	0.10	0.04	0.02	0.02	0.02	0.03	0.13	0.97	3.58	2.40	1.40	9.07	
	225-255	0.53	0.14	0.08	0.04	0.04	0.05	0.11	1.05	10.48	4.35	1.97	1.54	20.39	
	195-225	0.61	0.16	0.13	0.09	0.12	0.18	0.74	5.36	3.55	0.88	0.65	1.04	13.50	
	165-195	1.80	0.29	0.17	0.14	0.21	0.42	2.39	1.83	0.56	0.39	0.38	1.18	9.75	
	135-165	0.58	0.28	0.26	0.23	0.57	1.23	0.75	0.29	0.21	0.19	0.19	0.41	5.19	
	105-135	0.63	0.37	0.48	0.99	1.06	0.24	0.09	0.05	0.10	0.08	0.08	0.29	4.45	
	75-105	0.97	0.94	1.71	1.77	0.12	0.05	0.02	0.02	0.05	0.05	0.10	0.30	6.10	
	45-75	1.86	2.77	2.77	0.14	0.03	0.01	0.00	0.01	0.02	0.04	0.10	0.41	8.16	
	15-45	3.55	3.38	0.24	0.01	0.00	0.01	0.00	0.00	0.02	0.05	0.08	0.49	7.84	
345-15	2.51	0.21	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.07	0.71	3.60		
All year		14.67	8.84	5.95	3.45	2.19	2.21	4.16	8.80	16.22	10.55	9.25	13.72	100.00	Total

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

All Year

		MWD (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
Wind direction (° N)	315-345	1.14	0.53	0.04	0.01	0.02	0.03	0.03	0.05	0.27	0.29	0.36	1.22	3.98
	285-315	1.25	0.58	0.18	0.03	0.08	0.01	0.03	0.15	0.43	0.60	0.74	1.86	5.93
	255-285	1.96	0.52	0.21	0.05	0.06	0.08	0.12	0.28	0.71	0.94	1.27	2.61	8.80
	225-255	2.60	0.67	0.34	0.23	0.12	0.17	0.06	0.33	1.15	1.24	1.57	3.49	11.94
	195-225	3.22	0.66	0.50	0.27	0.24	0.21	0.23	0.30	0.98	0.79	1.24	3.49	12.13
	165-195	4.18	1.21	0.58	0.31	0.23	0.15	0.20	0.34	0.79	1.01	1.43	3.14	13.58
	135-165	2.42	0.83	0.69	0.23	0.19	0.29	0.15	0.22	0.63	0.69	0.84	2.01	9.19
	105-135	2.69	0.61	0.59	0.18	0.08	0.12	0.09	0.05	0.33	0.33	0.32	1.75	7.13
	75-105	3.88	0.74	0.79	0.13	0.20	0.03	0.02	0.09	0.29	0.28	0.49	1.65	8.58
	45-75	4.46	1.42	0.82	0.13	0.08	0.04	0.03	0.05	0.10	0.27	0.45	2.21	10.06
	15-45	3.01	1.12	0.38	0.04	0.03	0.03	0.03	0.04	0.08	0.26	0.43	1.43	6.88
	345-15	0.75	0.30	0.03			0.02	0.03	0.03	0.08	0.12	0.11	0.35	1.80
		31.56	9.19	5.14	1.59	1.32	1.17	0.99	1.92	5.83	6.83	9.24	25.21	100.00
		1 m/s $\leq U_{70} < 3$ m/s												Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 70m

1 m/s $\leq U_{70} < 3$ m/s

Deltares

App. B.1.017

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.60	0.27	0.03	0.01	0.01	0.00	0.01	0.03	0.14	0.38	0.92	2.41	5.83	
	285-315	1.22	0.40	0.08	0.05	0.06	0.00	0.04	0.06	0.31	0.67	1.48	2.92	7.29	
	255-285	1.27	0.27	0.13	0.07	0.05	0.07	0.10	0.19	0.69	1.26	1.83	3.61	9.54	
	225-255	1.57	0.35	0.22	0.11	0.11	0.11	0.17	0.57	1.58	1.97	2.58	3.98	13.34	
	195-225	1.68	0.38	0.35	0.20	0.24	0.25	0.38	0.63	1.33	1.00	1.08	2.84	10.35	
	165-195	2.68	0.70	0.38	0.29	0.39	0.44	0.56	0.60	0.65	0.76	0.69	2.41	10.56	
	135-165	1.38	0.59	0.58	0.31	0.43	0.63	0.35	0.31	0.32	0.36	0.49	0.87	6.61	
	105-135	1.76	0.76	0.89	0.64	0.58	0.35	0.16	0.10	0.24	0.22	0.24	0.68	6.61	
	75-105	2.62	1.64	1.25	0.49	0.11	0.17	0.07	0.05	0.13	0.12	0.26	0.86	7.77	
	45-75	4.60	2.32	1.26	0.18	0.04	0.03		0.03	0.07	0.11	0.34	1.26	10.22	
	15-45	5.00	1.46	0.33	0.03	0.01	0.03			0.10	0.13	0.26	1.74	9.09	
	345-15	1.31	0.33	0.03			0.02	0.01	0.00	0.05	0.16	0.19	0.71	2.80	
		26.70	9.45	5.53	2.37	2.03	2.09	1.86	2.56	5.62	7.13	10.35	24.30	100.00	
		3 m/s $\leq U_{70} < 5$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 70m

3 m/s $\leq U_{70} < 5$ m/s

Deltares

App. B.1.018

		MWD (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
Wind direction (° N)	315-345	1.34	0.15	0.02		0.01	0.01	0.01	0.03	0.10	0.30	0.83	3.18	5.96
	285-315	0.43	0.05	0.02	0.01	0.01	0.01	0.00	0.05	0.22	0.75	2.23	3.28	7.07
	255-285	0.28	0.09	0.04	0.03	0.03	0.02	0.02	0.17	0.74	1.59	2.53	2.68	8.20
	225-255	0.54	0.19	0.11	0.07	0.05	0.08	0.15	0.80	3.43	3.28	3.44	3.15	15.29
	195-225	0.63	0.21	0.19	0.16	0.22	0.35	0.60	1.86	2.13	1.18	1.23	1.66	10.42
	165-195	2.09	0.38	0.30	0.21	0.30	0.58	0.87	1.01	0.63	0.32	0.50	1.76	8.94
	135-165	0.87	0.53	0.36	0.45	0.75	1.13	0.64	0.39	0.37	0.28	0.19	0.52	6.47
	105-135	0.87	0.77	0.85	1.49	1.00	0.36	0.20	0.10	0.14	0.10	0.11	0.26	6.25
	75-105	1.56	1.97	2.20	1.35	0.19	0.09	0.04	0.03	0.04	0.04	0.10	0.32	7.92
	45-75	3.74	3.75	1.71	0.22	0.06	0.02	0.00	0.01	0.02	0.04	0.12	0.40	10.08
	15-45	5.63	2.48	0.35	0.01	0.01	0.02	0.01	0.00	0.02	0.06	0.06	0.75	9.39
	345-15	2.54	0.40	0.02	0.01	0.00	0.00		0.00	0.01	0.06	0.13	0.83	4.01
		20.50	10.96	6.17	4.01	2.61	2.68	2.54	4.45	7.84	7.99	11.46	18.78	100.00
		5 m/s $\leq U_{70} < 7$ m/s												Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 70m

5 m/s $\leq U_{70} < 7$ m/s

Deltares

App. B.1.019

		MWD (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
Wind direction (° N)	315-345	1.03	0.01		0.01	0.00			0.01	0.01	0.16	0.71	3.55	5.51
	285-315	0.14	0.05	0.02	0.00	0.01	0.00		0.04	0.19	0.83	2.91	3.02	7.21
	255-285	0.07	0.04	0.01	0.02	0.01		0.02	0.10	1.04	2.76	2.94	1.22	8.22
	225-255	0.20	0.07	0.04	0.01	0.04	0.03	0.18	0.84	5.99	5.58	3.21	1.38	17.55
	195-225	0.18	0.11	0.08	0.07	0.13	0.24	0.77	3.05	3.12	1.37	0.82	0.71	10.65
	165-195	2.16	0.18	0.14	0.15	0.36	0.73	1.85	1.69	0.61	0.45	0.36	1.14	9.82
	135-165	0.25	0.25	0.30	0.33	0.88	1.25	0.99	0.47	0.19	0.14	0.10	0.18	5.34
	105-135	0.29	0.42	0.66	1.75	1.46	0.28	0.12	0.07	0.06	0.03	0.05	0.10	5.28
	75-105	0.50	1.40	2.39	2.24	0.23	0.05	0.01	0.01	0.04	0.03	0.04	0.07	7.01
	45-75	1.64	4.26	3.32	0.24	0.03	0.00			0.01		0.03	0.09	9.62
	15-45	5.38	3.47	0.24	0.02		0.01	0.00	0.00	0.01	0.01	0.01	0.21	9.35
	345-15	3.15	0.23	0.00			0.00			0.01	0.03	0.06	0.96	4.45
		14.99	10.49	7.21	4.83	3.14	2.59	3.95	6.28	11.27	11.40	11.22	12.64	100.00
		7 m/s ≤ U ₇₀ < 9 m/s												Total

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

7 m/s ≤ U₇₀ < 9 m/s

Deltares

App. B.1.020

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.65	0.01	0.00	0.00				0.00	0.03	0.11	0.61	3.81	5.23	
	285-315	0.04	0.01					0.00	0.01	0.11	0.83	3.16	2.65	6.82	
	255-285	0.03	0.00	0.00	0.00		0.01	0.00	0.14	1.09	3.73	2.95	0.61	8.57	
	225-255	0.07	0.02	0.01	0.00	0.01	0.02	0.12	1.02	10.50	6.18	1.69	0.29	19.93	
	195-225	0.03	0.06	0.04	0.01	0.06	0.14	0.92	5.07	3.93	0.94	0.38	0.15	11.74	
	165-195	1.36	0.07	0.04	0.05	0.15	0.42	2.88	2.36	0.69	0.36	0.18	0.55	9.11	
	135-165	0.07	0.09	0.16	0.18	0.87	1.95	1.16	0.40	0.13	0.07	0.04	0.08	5.18	
	105-135	0.07	0.18	0.40	1.20	1.88	0.22	0.06	0.02	0.02	0.03	0.01	0.02	4.11	
	75-105	0.06	0.69	2.78	2.89	0.09	0.01	0.01		0.01	0.01	0.01	0.02	6.58	
	45-75	0.40	3.61	4.84	0.13	0.01					0.00	0.00	0.02	9.02	
	15-45	3.54	5.15	0.20	0.01				0.00			0.01	0.05	8.97	
	345-15	3.75	0.13	0.00						0.01	0.02	0.03	0.79	4.74	
		10.07	10.03	8.49	4.49	3.07	2.76	5.15	9.03	16.51	12.28	9.06	9.05	100.00	
		9 m/s ≤ U ₇₀ < 11 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

9 m/s ≤ U₇₀ < 11 m/s

Deltares

App. B.1.021

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.62								0.00	0.01	0.04	0.46	4.39	5.53
	285-315	0.00								0.00	0.10	0.75	3.35	1.89	6.09
	255-285						0.00		0.07	1.18	5.59	2.56	0.13		9.53
	225-255		0.02	0.01			0.01	0.09	1.45	16.06	5.96	0.97	0.05		24.62
	195-225	0.00	0.01			0.02	0.09	1.04	8.01	5.23	0.59	0.10	0.03		15.14
	165-195	0.91	0.03	0.02	0.06	0.09	0.32	4.28	2.69	0.53	0.14	0.07	0.40		9.52
	135-165	0.02	0.02	0.04	0.15	0.66	1.86	1.12	0.17	0.05	0.01	0.01	0.05		4.16
	105-135	0.00	0.02	0.10	0.90	1.54	0.18	0.04		0.01	0.00		0.00		2.80
	75-105	0.01	0.10	1.46	2.67	0.05	0.00		0.01						4.30
	45-75	0.08	2.70	4.22	0.09	0.00						0.01			7.09
	15-45	1.70	5.35	0.19										0.00	7.25
	345-15	3.07	0.08							0.01	0.00	0.02	0.79		3.97
		6.42	8.33	6.05	3.86	2.36	2.46	6.56	12.40	23.17	13.09	7.55	7.74	100.00	
11 m/s $\leq U_{70} < 13$ m/s														Total	

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 70m

11 m/s $\leq U_{70} < 13$ m/s

Deltares

App. B.1.022

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.29									0.01	0.28	4.74	5.32	
	285-315							0.01	0.07	0.75	3.28	1.61	5.71		
	255-285							0.01	0.05	1.27	6.38	2.17	0.01	9.88	
	225-255		0.01					0.01	1.84	20.10	5.28	0.39	0.01	27.64	
	195-225	0.01				0.01	0.03	1.12	12.63	5.97	0.39	0.03	0.01	20.19	
	165-195	0.72	0.01			0.03	0.24	4.76	3.35	0.30	0.05	0.03	0.16	9.63	
	135-165	0.01		0.01	0.03	0.16	1.60	0.68	0.05		0.01		0.02	2.58	
	105-135			0.05	0.43	0.68	0.15	0.02	0.01	0.01				1.34	
	75-105		0.01	0.93	2.72	0.02	0.01	0.01						3.69	
	45-75	0.04	1.42	3.39	0.02	0.01								4.88	
	15-45	0.96	5.04	0.12							0.01			6.12	
	345-15	2.55	0.05									0.02	0.39	3.01	
		4.58	6.54	4.49	3.19	0.91	2.03	6.60	17.93	27.71	12.88	6.19	6.94	100.00	
13 m/s $\leq U_{70} < 15$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

13 m/s $\leq U_{70} < 15$ m/s

Deltares

App. B.1.023

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.36									0.01	0.25	4.83	5.46	
	285-315									0.02	0.47	3.29	1.41	5.20	
	255-285								0.06	0.96	8.00	1.88	0.01	10.90	
	225-255							0.01	1.91	27.65	4.50	0.06		34.13	
	195-225							0.93	14.96	6.21	0.10			22.19	
	165-195	0.42					0.10	4.65	3.11	0.22	0.04		0.10	8.63	
	135-165				0.01	0.09	0.77	0.55	0.01						1.43
	105-135				0.18	0.33	0.09								0.59
	75-105			0.56	1.23	0.01									1.81
	45-75	0.01	0.37	2.36	0.02										2.76
	15-45	0.50	3.45	0.13										0.01	4.09
	345-15	2.27	0.01											0.52	2.80
		3.56	3.83	3.05	1.44	0.43	0.96	6.13	20.03	35.07	13.13	5.48	6.88	100.00	
15 m/s $\leq U_{70} < 17$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

15 m/s $\leq U_{70} < 17$ m/s

Deltares

App. B.1.024

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.24										0.28	4.75	5.28	
	285-315									0.81	3.82	0.93	5.56		
	255-285							0.02	1.06	8.45	2.46	0.02	12.00		
	225-255						0.02	1.97	34.30	3.43			39.72		
	195-225						0.71	16.33	6.13	0.04			23.21		
	165-195	0.35					5.10	2.70	0.02	0.02			8.18		
	135-165	0.04				0.67	0.53					0.02	1.26		
	105-135				0.16	0.18	0.12						0.47		
	75-105			0.02	0.55								0.57		
	45-75			0.59									0.59		
	15-45	0.16	1.42	0.12									1.71		
	345-15	1.04	0.02									0.02	0.37	1.44	
		1.83	1.44	0.73	0.71	0.18	0.79	6.36	21.02	41.51	12.75	6.58	6.09	100.00	
17 m/s $\leq U_{70} < 19$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 70m

17 m/s $\leq U_{70} < 19$ m/s

Deltares

App. B.1.025

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.08										0.08	3.66	3.82	
	285-315								0.12	0.16	4.19	1.15	5.63		
	255-285							0.04	1.40	7.23	1.48		10.15		
	225-255							2.10	40.48	1.93			44.51		
	195-225						0.53	16.36	8.34				25.24		
	165-195	0.37				0.04	4.48	3.00				0.08	7.97		
	135-165					0.25	0.33						0.58		
	105-135				0.12	0.04	0.04						0.21		
	75-105				0.29								0.29		
	45-75														
	15-45		0.62										0.62		
	345-15	0.53	0.04										0.41	0.99	
		0.99	0.66		0.41	0.04	0.33	5.34	21.50	50.35	9.33	5.75	5.30	100.00	
19 m/s $\leq U_{70} < 21$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

19 m/s $\leq U_{70} < 21$ m/s

Deltares

App. B.1.026

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345											0.11	2.35	2.46	
	285-315										0.56	3.35	1.01	4.92	
	255-285									0.56	6.59	1.79		8.94	
	225-255								1.01	44.58	2.23			47.82	
	195-225							0.34	18.55	8.94				27.82	
	165-195							4.36	1.90					6.26	
	135-165						0.22							0.22	
	105-135														
	75-105														
	45-75														
	15-45		0.56											0.56	
	345-15	0.78											0.22	1.01	
		0.78	0.56				0.22	4.69	21.45	54.08	9.39	5.25	3.58	100.00	
21 m/s $\leq U_{70} < 23$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

21 m/s $\leq U_{70} < 23$ m/s

Deltares

App. B.1.027

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												1.55	1.55	
	285-315										1.24	4.66	2.17	8.07	
	255-285									1.86	10.56	1.24	13.66		
	225-255								0.62	44.41	0.93	45.96			
	195-225							17.39	7.76	25.16					
	165-195						4.04	1.55	5.59						
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								4.04	19.57	54.04	12.73	5.90	3.73	100.00	
23 m/s $\leq U_{70} < 25$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

23 m/s $\leq U_{70} < 25$ m/s

Deltares

App. B.1.028

		MWD (° N)														
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345			
Wind direction (° N)	315-345												0.98	0.98		
	285-315										1.96	0.98		2.94		
	255-285								0.98	6.86	0.98			8.82		
	225-255							0.98	50.00	1.96				52.94		
	195-225							20.59	7.84					28.43		
	165-195						0.98	4.90						5.88		
	135-165															
	105-135															
	75-105															
	45-75															
	15-45															
	345-15															
								0.98	26.47	58.82	10.78	1.96	0.98	100.00		
		25 m/s $\leq U_{70} < 27$ m/s											Total			

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

25 m/s $\leq U_{70} < 27$ m/s

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345														
	285-315											6.45	3.23	9.68	
	255-285										12.90			12.90	
	225-255								54.84	1.61				56.45	
	195-225								14.52	6.45				20.97	
	165-195														
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								14.52	61.29	14.52	6.45	3.23	100.00		
U ₇₀ ≥ 27 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 70m

U₇₀ ≥ 27 m/s

Deltares

App. B.1.030

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.14	0.11	0.02	0.00	0.01	0.00	0.01	0.01	0.07	0.20	0.65	4.03	6.26	
	285-315	0.41	0.11	0.03	0.01	0.01	0.01	0.01	0.04	0.18	0.80	2.81	2.61	7.03	
	255-285	0.42	0.09	0.04	0.02	0.02	0.02	0.02	0.13	1.07	3.97	2.58	1.43	9.83	
	225-255	0.44	0.12	0.06	0.03	0.02	0.03	0.09	0.85	10.40	3.91	1.65	1.28	18.88	
	195-225	0.39	0.10	0.09	0.05	0.08	0.09	0.45	5.16	3.51	0.81	0.58	0.85	12.15	
	165-195	0.42	0.11	0.14	0.11	0.17	0.45	2.69	2.21	0.54	0.33	0.30	0.41	7.90	
	135-165	0.48	0.23	0.25	0.22	0.53	1.24	0.76	0.28	0.18	0.16	0.15	0.33	4.80	
	105-135	0.66	0.41	0.51	1.01	1.19	0.30	0.10	0.06	0.10	0.10	0.08	0.27	4.79	
	75-105	0.91	1.04	1.96	1.85	0.13	0.05	0.02	0.02	0.06	0.05	0.10	0.28	6.47	
	45-75	1.60	2.78	2.62	0.12	0.02	0.01	0.00	0.01	0.03	0.05	0.10	0.34	7.68	
	15-45	3.39	3.36	0.20	0.01	0.00	0.01	0.00	0.01	0.04	0.06	0.10	0.48	7.67	
345-15	4.41	0.37	0.03	0.00	0.00	0.01	0.01	0.01	0.04	0.09	0.16	1.41	6.53		
		14.67	8.84	5.95	3.45	2.19	2.21	4.16	8.80	16.22	10.55	9.25	13.72	100.00	
All year													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

All Year

Deltares

App. B.1.031

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.53	0.63	0.08	0.01	0.02	0.03	0.06	0.08	0.34	0.55	0.71	2.51	7.54	
	285-315	1.92	0.72	0.18	0.05	0.05	0.01	0.06	0.13	0.47	0.61	0.99	2.83	8.01	
	255-285	2.26	0.53	0.19	0.08	0.07	0.03	0.06	0.27	0.66	0.90	1.47	2.74	9.28	
	225-255	2.11	0.48	0.30	0.10	0.07	0.04	0.05	0.25	0.98	0.96	1.46	2.77	9.58	
	195-225	1.88	0.44	0.35	0.23	0.15	0.12	0.17	0.29	0.84	0.74	0.96	2.14	8.32	
	165-195	2.03	0.51	0.57	0.26	0.25	0.24	0.20	0.31	0.54	0.52	0.68	1.58	7.70	
	135-165	1.88	0.55	0.62	0.21	0.19	0.25	0.16	0.15	0.52	0.42	0.47	1.52	6.95	
	105-135	2.66	0.77	0.70	0.24	0.25	0.19	0.11	0.13	0.41	0.56	0.30	1.54	7.85	
	75-105	3.24	0.91	0.93	0.20	0.16	0.04	0.01	0.09	0.32	0.30	0.58	1.64	8.43	
	45-75	3.78	1.41	0.60	0.16	0.10	0.06	0.02	0.06	0.23	0.33	0.39	1.89	9.02	
	15-45	3.99	1.40	0.47	0.06	0.02	0.05	0.03	0.07	0.23	0.37	0.51	1.93	9.12	
	345-15	3.41	1.05	0.14		0.03	0.02	0.04	0.05	0.22	0.41	0.66	2.16	8.20	
		31.69	9.40	5.14	1.61	1.35	1.08	0.97	1.88	5.76	6.69	9.19	25.25	100.00	
1 m/s $\leq U_{80} < 3$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

1 m/s $\leq U_{80} < 3$ m/s

Deltares

App. B.1.032

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.14	0.30	0.04	0.01	0.02	0.00	0.02	0.01	0.16	0.39	0.92	3.46	7.48	
	285-315	1.35	0.37	0.09	0.05	0.04	0.02	0.05	0.13	0.31	0.84	1.69	3.75	8.68	
	255-285	1.36	0.22	0.09	0.08	0.06	0.06	0.06	0.20	0.75	1.48	2.21	3.56	10.13	
	225-255	1.25	0.36	0.14	0.11	0.08	0.07	0.15	0.44	1.43	1.53	1.97	3.20	10.71	
	195-225	1.17	0.20	0.28	0.11	0.16	0.16	0.27	0.62	1.34	1.00	0.94	2.24	8.50	
	165-195	1.13	0.29	0.35	0.27	0.38	0.49	0.70	0.62	0.59	0.66	0.65	0.93	7.05	
	135-165	1.33	0.44	0.59	0.38	0.52	0.64	0.33	0.28	0.29	0.33	0.44	0.75	6.31	
	105-135	1.85	0.96	0.98	0.70	0.59	0.43	0.14	0.09	0.25	0.24	0.22	0.71	7.16	
	75-105	2.50	1.81	1.47	0.48	0.10	0.18	0.06	0.06	0.13	0.13	0.24	0.76	7.91	
	45-75	3.82	2.38	1.10	0.16	0.05	0.02		0.02	0.09	0.14	0.33	0.95	9.06	
	15-45	4.92	1.47	0.37	0.02	0.00	0.01	0.00	0.01	0.13	0.15	0.28	1.69	9.05	
	345-15	3.95	0.74	0.06	0.00		0.02	0.02	0.02	0.12	0.30	0.38	2.32	7.94	
		26.77	9.53	5.57	2.37	2.00	2.12	1.80	2.51	5.58	7.17	10.26	24.33	100.00	
3 m/s $\leq U_{80} < 5$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

3 m/s $\leq U_{80} < 5$ m/s

Deltares

App. B.1.033

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.65	0.12	0.03		0.00	0.01	0.00	0.03	0.09	0.30	0.86	3.90	7.01	
	285-315	0.43	0.05	0.04	0.01	0.01	0.01	0.01	0.04	0.20	0.88	2.43	3.51	7.62	
	255-285	0.30	0.11	0.06	0.03	0.03	0.02	0.02	0.23	0.90	1.87	2.95	2.96	9.48	
	225-255	0.54	0.15	0.08	0.04	0.03	0.06	0.13	0.68	3.24	2.77	2.90	2.55	13.15	
	195-225	0.48	0.15	0.12	0.09	0.15	0.18	0.55	1.70	1.96	1.06	1.12	1.70	9.25	
	165-195	0.49	0.15	0.17	0.20	0.25	0.78	0.99	1.05	0.67	0.34	0.46	0.58	6.13	
	135-165	0.77	0.44	0.36	0.47	0.78	1.11	0.60	0.42	0.30	0.26	0.21	0.46	6.18	
	105-135	0.97	0.86	0.95	1.56	1.06	0.39	0.21	0.09	0.17	0.09	0.09	0.27	6.71	
	75-105	1.66	2.23	2.40	1.41	0.20	0.09	0.04	0.04	0.04	0.04	0.10	0.32	8.57	
	45-75	3.26	3.49	1.59	0.18	0.04	0.01	0.01	0.00	0.02	0.04	0.14	0.37	9.14	
	15-45	5.32	2.54	0.29	0.01	0.01	0.03		0.01	0.02	0.06	0.09	0.55	8.92	
	345-15	4.95	0.64	0.04	0.01	0.01	0.00	0.01	0.01	0.03	0.07	0.17	1.91	7.84	
		20.81	10.93	6.13	4.01	2.56	2.68	2.57	4.30	7.65	7.78	11.52	19.07	100.00	
5 m/s $\leq U_{80} < 7$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

5 m/s $\leq U_{80} < 7$ m/s

Deltares

App. B.1.034

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.16	0.05	0.00	0.00	0.00			0.01	0.02	0.20	0.72	4.19	6.36	
	285-315	0.11	0.02	0.01	0.01	0.01	0.00		0.05	0.21	0.85	3.00	3.02	7.29	
	255-285	0.11	0.04	0.01	0.02	0.01	0.01	0.02	0.10	1.20	3.34	3.39	1.29	9.56	
	225-255	0.18	0.06	0.03	0.01	0.01	0.02	0.11	0.81	5.88	5.07	2.83	1.34	16.35	
	195-225	0.09	0.07	0.06	0.04	0.09	0.14	0.62	2.85	2.85	1.26	0.83	0.67	9.57	
	165-195	0.23	0.06	0.11	0.10	0.27	0.76	2.01	1.78	0.59	0.45	0.34	0.35	7.04	
	135-165	0.23	0.27	0.26	0.28	0.91	1.32	0.89	0.40	0.15	0.14	0.10	0.15	5.11	
	105-135	0.33	0.44	0.69	1.82	1.60	0.27	0.13	0.08	0.05	0.04	0.04	0.12	5.61	
	75-105	0.49	1.51	2.80	2.24	0.20	0.03	0.01	0.01	0.05	0.02	0.03	0.07	7.46	
	45-75	1.54	4.17	3.03	0.22	0.01	0.01	0.00		0.01	0.00	0.03	0.11	9.13	
	15-45	4.92	3.46	0.12	0.01		0.00	0.00	0.01	0.01	0.02	0.03	0.14	8.72	
	345-15	5.84	0.30	0.00	0.00		0.01		0.01	0.01	0.04	0.09	1.52	7.81	
		15.23	10.45	7.12	4.75	3.12	2.56	3.79	6.11	11.03	11.43	11.43	12.98	100.00	
7 m/s $\leq U_{80} < 9$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

7 m/s $\leq U_{80} < 9$ m/s

Deltares

App. B.1.035

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.73	0.01	0.01	0.01				0.00	0.03	0.13	0.65	4.19	5.75	
	285-315	0.04	0.00					0.00	0.02	0.12	0.82	3.25	2.62	6.87	
	255-285	0.04	0.00		0.00	0.00	0.00	0.01	0.10	1.20	4.19	3.09	0.59	9.23	
	225-255	0.06	0.01	0.01	0.00	0.00	0.02	0.11	0.97	10.44	5.72	1.46	0.30	19.11	
	195-225	0.03	0.05	0.03	0.00	0.04	0.05	0.57	4.93	3.60	0.88	0.34	0.14	10.65	
	165-195	0.03	0.04	0.05	0.03	0.12	0.39	3.21	2.47	0.66	0.34	0.19	0.14	7.67	
	135-165	0.08	0.09	0.15	0.14	0.69	1.90	1.07	0.39	0.14	0.10	0.05	0.07	4.87	
	105-135	0.10	0.16	0.38	1.21	2.12	0.35	0.08	0.03	0.02	0.02	0.01	0.02	4.49	
	75-105	0.08	0.76	3.16	3.06	0.13	0.00	0.01		0.01	0.01	0.02	0.02	7.27	
	45-75	0.41	3.77	4.58	0.11	0.00			0.00			0.00	0.02	8.91	
	15-45	3.14	4.86	0.13	0.00	0.00			0.00	0.00	0.01	0.01	0.08	8.23	
345-15	5.57	0.22							0.01	0.03	0.08	1.07	6.98		
		10.29	9.98	8.49	4.58	3.11	2.71	5.06	8.92	16.23	12.24	9.14	9.25	100.00	
9 m/s $\leq U_{80} < 11$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

9 m/s $\leq U_{80} < 11$ m/s

Deltares

App. B.1.036

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.55							0.00	0.01	0.06	0.50	4.53	5.67	
	285-315	0.00							0.00	0.09	0.87	3.47	1.76	6.20	
	255-285			0.00					0.07	1.33	6.04	2.59	0.11	10.14	
	225-255	0.00	0.02	0.00			0.01	0.04	1.11	15.87	5.46	0.84	0.07	23.42	
	195-225		0.01		0.00	0.00	0.04	0.60	7.65	4.76	0.59	0.09	0.01	13.76	
	165-195	0.01	0.01	0.02	0.03	0.03	0.35	4.70	3.15	0.50	0.16	0.05	0.01	9.01	
	135-165	0.01	0.01	0.05	0.09	0.51	1.85	1.28	0.24	0.03	0.02	0.01	0.03	4.13	
	105-135	0.01	0.04	0.07	0.92	1.83	0.29	0.03	0.01	0.02	0.00			3.23	
	75-105	0.02	0.15	1.87	2.82	0.08	0.01	0.01	0.00			0.00	0.00	4.97	
	45-75	0.08	2.83	4.01	0.05							0.01		6.98	
	15-45	1.66	5.27	0.14								0.00	0.02	7.10	
	345-15	4.18	0.10							0.01	0.01	0.04	1.06	5.39	
		6.53	8.45	6.17	3.91	2.45	2.54	6.66	12.24	22.64	13.21	7.61	7.61	100.00	
11 m/s $\leq U_{80} < 13$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

11 m/s $\leq U_{80} < 13$ m/s

Deltares

App. B.1.037

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.24									0.02	0.38	4.86	5.51	
	285-315									0.05	0.82	3.39	1.45	5.71	
	255-285								0.06	1.41	6.78	2.01	0.01	10.27	
	225-255		0.01					0.02	1.36	19.75	4.79	0.34	0.03	26.30	
	195-225	0.01						0.45	11.97	5.86	0.37	0.05	0.01	18.71	
	165-195				0.01	0.03	0.15	5.26	3.89	0.32	0.07	0.05	0.01	9.78	
	135-165	0.01		0.02	0.01	0.06	1.69	0.76	0.09	0.01	0.01	0.01	0.03	2.69	
	105-135			0.03	0.39	0.88	0.30	0.06	0.01					1.67	
	75-105		0.01	1.15	2.87	0.09	0.01	0.01						4.14	
	45-75	0.04	1.70	3.50	0.02									5.26	
	15-45	0.99	4.95	0.09						0.01	0.01			6.05	
	345-15	3.28	0.07								0.01	0.01	0.55	3.93	
		4.57	6.74	4.80	3.29	1.05	2.15	6.56	17.37	27.40	12.87	6.24	6.94	100.00	
13 m/s $\leq U_{80} < 15$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

13 m/s $\leq U_{80} < 15$ m/s

Deltares

App. B.1.038

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.22									0.02	0.28	4.67	5.19	
	285-315									0.03	0.56	3.30	1.36	5.26	
	255-285								0.06	1.04	8.10	1.66	0.01	10.88	
	225-255								1.32	26.36	4.11	0.05		31.84	
	195-225							0.19	14.09	6.79	0.13			21.20	
	165-195						0.03	5.29	4.68	0.38	0.04			10.43	
	135-165					0.02	0.83	0.73	0.03	0.01				1.63	
	105-135				0.15	0.39	0.15							0.69	
	75-105			0.62	1.32	0.04								1.98	
	45-75	0.01	0.62	2.53	0.02									3.18	
	15-45	0.53	3.50	0.05									0.02	4.11	
	345-15	2.89										0.01	0.70	3.61	
		3.66	4.12	3.20	1.49	0.46	1.01	6.22	20.19	34.62	12.96	5.30	6.77	100.00	
		15 m/s $\leq U_{80} < 17$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

15 m/s $\leq U_{80} < 17$ m/s

Deltares

App. B.1.039

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.15									0.02	0.33	4.79	5.30
285-315										0.81	3.98	0.83	5.62
255-285								0.02	1.20	8.95	2.18	0.02	12.37
225-255								1.08	32.33	3.02	0.02		36.45
195-225							0.17	14.82	7.40	0.04		0.02	22.46
165-195							5.41	5.20	0.06				10.67
135-165						0.62	0.77	0.02					1.41
105-135				0.15	0.19	0.15							0.50
75-105			0.02	0.54									0.56
45-75	0.02	0.06	0.64										0.72
15-45	0.29	1.57	0.10										1.95
345-15	1.43	0.02									0.02	0.52	1.99
	1.89	1.64	0.75	0.70	0.19	0.77	6.36	21.14	40.99	12.83	6.53	6.18	100.00

17 m/s $\leq U_{80} < 19$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

17 m/s $\leq U_{80} < 19$ m/s

Deltares

App. B.1.040

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.15										0.27	3.23	3.65
285-315									0.12	0.38	4.26	1.11	5.88
255-285								0.04	1.23	7.07	1.15		9.49
225-255								1.38	39.57	2.19			43.14
195-225						0.04	14.94	9.34					24.32
165-195						5.11	5.11						10.22
135-165					0.27	0.38	0.04						0.69
105-135			0.12	0.04	0.08								0.23
75-105			0.35										0.35
45-75													
15-45		0.69											0.69
345-15	0.85											0.50	1.34
	1.00	0.69		0.46	0.04	0.35	5.53	21.51	50.25	9.64	5.69	4.84	100.00

19 m/s $\leq U_{80} < 21$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

19 m/s $\leq U_{80} < 21$ m/s

Deltares

App. B.1.041

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345											0.10	2.42	2.51
285-315										0.39	4.06	0.77	5.22
255-285								0.39	6.96	1.45			8.79
225-255							0.29	41.93	1.74				43.96
195-225							16.14	11.30					27.44
165-195						4.44	5.41						9.86
135-165					0.19	0.10							0.29
105-135													
75-105													
45-75													
15-45		0.48											0.48
345-15	0.68											0.77	1.45
	0.68	0.48				0.19	4.54	21.84	53.62	9.08	5.60	3.96	100.00

21 m/s $\leq U_{80} < 23$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 80m

21 m/s $\leq U_{80} < 23$ m/s

Deltares

App. B.1.042

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												2.50	2.50	
	285-315										1.11	4.72	1.11	6.94	
	255-285									1.11	8.33	0.83		10.28	
	225-255								0.28	41.94	2.50			44.72	
	195-225								14.72	11.39				26.11	
	165-195							3.33	5.83					9.17	
	135-165							0.28						0.28	
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								3.61	20.83	54.44	11.94	5.56	3.61	100.00	
		23 m/s $\leq U_{80} < 25$ m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

23 m/s $\leq U_{80} < 25$ m/s

Deltares

App. B.1.043

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												0.84	0.84	
	285-315										1.68	1.68		3.36	
	255-285								0.84	7.56				8.40	
	225-255							0.84	44.54	1.68				47.06	
	195-225							15.97	15.13					31.09	
	165-195						1.68	7.56							9.24
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								1.68	24.37	60.50	10.92	1.68	0.84	100.00	
		25 m/s $\leq U_{80} < 27$ m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

25 m/s $\leq U_{80} < 27$ m/s

Deltares

App. B.1.044

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												2.78	2.78	
	285-315											4.17		4.17	
	255-285										12.50	2.78		15.28	
	225-255							1.39	47.22	1.39				50.00	
	195-225							8.33	13.89					22.22	
	165-195							5.56						5.56	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								15.28	61.11	13.89	6.94	2.78	100.00		
U ₈₀ ≥ 27 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 80m

U₈₀ ≥ 27 m/s

Deltares

App. B.1.045

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.14	0.12	0.02	0.00	0.01	0.00	0.01	0.01	0.07	0.20	0.66	4.04	6.29	
	285-315	0.40	0.11	0.03	0.01	0.01	0.01	0.01	0.05	0.18	0.82	2.81	2.61	7.05	
	255-285	0.42	0.10	0.04	0.03	0.02	0.02	0.02	0.13	1.09	4.00	2.59	1.44	9.90	
	225-255	0.45	0.12	0.06	0.03	0.02	0.03	0.09	0.87	10.46	3.90	1.65	1.28	18.96	
	195-225	0.39	0.10	0.10	0.05	0.08	0.10	0.47	5.19	3.45	0.79	0.56	0.83	12.12	
	165-195	0.43	0.12	0.14	0.11	0.18	0.46	2.70	2.18	0.53	0.33	0.29	0.41	7.86	
	135-165	0.49	0.23	0.25	0.23	0.56	1.24	0.73	0.26	0.17	0.16	0.16	0.33	4.83	
	105-135	0.66	0.43	0.52	1.02	1.16	0.29	0.10	0.05	0.10	0.09	0.08	0.27	4.79	
	75-105	0.91	1.04	2.00	1.82	0.12	0.04	0.02	0.02	0.06	0.05	0.10	0.28	6.46	
	45-75	1.59	2.81	2.57	0.12	0.02	0.01	0.00	0.01	0.03	0.05	0.10	0.34	7.63	
	15-45	3.40	3.30	0.19	0.01	0.00	0.01	0.00	0.01	0.04	0.06	0.09	0.48	7.60	
	345-15	4.39	0.36	0.03	0.00	0.00	0.01	0.01	0.01	0.04	0.10	0.16	1.42	6.51	
		14.67	8.84	5.95	3.45	2.19	2.21	4.16	8.80	16.22	10.55	9.25	13.72	100.00	
All year													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

All Year

Deltares

App. B.1.046

		MWD (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
Wind direction (° N)	315-345	2.57	0.66	0.09	0.01	0.03	0.03	0.06	0.07	0.34	0.49	0.67	2.53	7.56
	285-315	1.91	0.72	0.19	0.06	0.05	0.01	0.06	0.13	0.48	0.63	1.02	2.82	8.08
	255-285	2.31	0.57	0.20	0.08	0.07	0.03	0.06	0.27	0.69	0.88	1.49	2.75	9.40
	225-255	2.13	0.47	0.27	0.11	0.07	0.06	0.04	0.24	0.96	0.94	1.39	2.74	9.43
	195-225	1.90	0.44	0.38	0.23	0.15	0.12	0.18	0.30	0.83	0.73	1.00	2.11	8.37
	165-195	2.00	0.54	0.54	0.26	0.24	0.26	0.20	0.31	0.52	0.53	0.64	1.64	7.65
	135-165	1.89	0.55	0.61	0.21	0.20	0.23	0.15	0.16	0.54	0.47	0.52	1.52	7.05
	105-135	2.65	0.78	0.73	0.22	0.25	0.20	0.11	0.11	0.42	0.54	0.30	1.50	7.79
	75-105	3.22	0.90	0.92	0.20	0.15	0.03	0.01	0.09	0.32	0.28	0.54	1.68	8.36
	45-75	3.72	1.45	0.60	0.17	0.10	0.06	0.01	0.05	0.23	0.30	0.41	1.88	8.97
	15-45	3.95	1.40	0.46	0.07	0.02	0.04	0.04	0.08	0.23	0.38	0.50	1.91	9.08
	345-15	3.39	1.03	0.15		0.03	0.02	0.05	0.05	0.25	0.44	0.68	2.16	8.25
		31.65	9.53	5.15	1.61	1.34	1.08	0.97	1.85	5.80	6.62	9.16	25.24	100.00
		1 m/s ≤ U ₉₀ < 3 m/s												Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 90m

1 m/s ≤ U₉₀ < 3 m/s

Deltares

App. B.1.047

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.18	0.30	0.04	0.02	0.02	0.00	0.01	0.01	0.17	0.41	0.96	3.48	7.60	
	285-315	1.33	0.36	0.09	0.04	0.04	0.03	0.05	0.13	0.29	0.85	1.70	3.76	8.67	
	255-285	1.39	0.24	0.09	0.08	0.06	0.05	0.05	0.19	0.76	1.45	2.23	3.57	10.17	
	225-255	1.29	0.36	0.14	0.11	0.08	0.07	0.15	0.44	1.38	1.53	1.95	3.20	10.70	
	195-225	1.17	0.23	0.29	0.11	0.16	0.18	0.27	0.61	1.29	0.98	0.91	2.22	8.40	
	165-195	1.14	0.27	0.34	0.26	0.39	0.50	0.69	0.63	0.59	0.62	0.63	0.91	6.97	
	135-165	1.34	0.46	0.59	0.39	0.53	0.63	0.32	0.24	0.29	0.32	0.42	0.77	6.31	
	105-135	1.91	1.01	1.05	0.68	0.57	0.45	0.14	0.09	0.22	0.24	0.22	0.71	7.29	
	75-105	2.50	1.82	1.46	0.49	0.10	0.16	0.05	0.06	0.12	0.12	0.24	0.74	7.86	
	45-75	3.79	2.41	1.08	0.16	0.04	0.02		0.02	0.09	0.14	0.32	0.95	9.03	
	15-45	4.98	1.47	0.36	0.02	0.00	0.01	0.00	0.01	0.11	0.15	0.28	1.68	9.08	
	345-15	3.96	0.71	0.05	0.00		0.02	0.02	0.02	0.10	0.31	0.38	2.32	7.91	
		26.97	9.63	5.60	2.35	2.01	2.12	1.76	2.46	5.41	7.13	10.25	24.31	100.00	
3 m/s $\leq U_{90} < 5$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

3 m/s $\leq U_{90} < 5$ m/s

Deltares

App. B.1.048

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.65	0.13	0.03		0.00	0.01	0.01	0.03	0.10	0.31	0.85	3.91	7.03	
	285-315	0.45	0.05	0.04	0.01	0.01	0.01	0.01	0.05	0.22	0.91	2.44	3.60	7.79	
	255-285	0.31	0.12	0.07	0.04	0.03	0.01	0.03	0.24	0.90	1.86	2.97	3.01	9.59	
	225-255	0.55	0.14	0.08	0.03	0.03	0.06	0.13	0.67	3.19	2.67	2.91	2.59	13.06	
	195-225	0.50	0.13	0.13	0.08	0.15	0.19	0.55	1.69	1.87	0.99	1.06	1.67	9.01	
	165-195	0.52	0.17	0.18	0.21	0.26	0.78	0.99	0.98	0.66	0.34	0.46	0.58	6.13	
	135-165	0.78	0.48	0.38	0.48	0.79	1.10	0.59	0.37	0.30	0.27	0.22	0.48	6.23	
	105-135	1.00	0.91	0.94	1.57	1.04	0.37	0.18	0.09	0.18	0.08	0.09	0.27	6.71	
	75-105	1.72	2.23	2.36	1.43	0.18	0.09	0.04	0.04	0.04	0.04	0.10	0.32	8.58	
	45-75	3.28	3.48	1.54	0.18	0.04	0.01	0.00	0.00	0.02	0.03	0.13	0.37	9.09	
	15-45	5.33	2.46	0.30	0.00	0.01	0.03		0.01	0.03	0.06	0.08	0.58	8.89	
	345-15	4.95	0.63	0.04	0.01	0.01	0.00	0.01	0.01	0.02	0.07	0.18	1.95	7.89	
		21.04	10.93	6.08	4.04	2.55	2.66	2.53	4.18	7.54	7.64	11.50	19.32	100.00	
5 m/s $\leq U_{90} < 7$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 90m

5 m/s $\leq U_{90} < 7$ m/s

Deltares

App. B.1.049

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.17	0.05	0.01	0.00	0.00			0.01	0.02	0.21	0.75	4.30	6.52	
	285-315	0.12	0.02	0.01	0.01	0.01	0.00		0.05	0.21	0.89	3.02	3.08	7.43	
	255-285	0.11	0.04	0.01	0.02	0.01	0.01	0.02	0.11	1.21	3.37	3.44	1.39	9.74	
	225-255	0.21	0.07	0.02	0.02	0.02	0.03	0.11	0.78	5.82	4.97	2.84	1.36	16.26	
	195-225	0.11	0.07	0.07	0.05	0.09	0.15	0.66	2.84	2.69	1.28	0.82	0.69	9.51	
	165-195	0.23	0.07	0.12	0.11	0.29	0.75	1.90	1.76	0.58	0.42	0.35	0.34	6.92	
	135-165	0.26	0.28	0.29	0.32	0.93	1.28	0.87	0.36	0.14	0.14	0.10	0.16	5.11	
	105-135	0.32	0.44	0.72	1.82	1.55	0.27	0.13	0.08	0.06	0.03	0.03	0.12	5.58	
	75-105	0.51	1.52	2.77	2.14	0.20	0.03	0.01	0.01	0.04	0.03	0.03	0.07	7.37	
	45-75	1.59	4.20	2.91	0.22	0.01	0.01			0.00	0.00	0.03	0.11	9.09	
	15-45	4.93	3.34	0.12	0.01		0.00	0.00	0.01	0.01	0.02	0.03	0.15	8.63	
	345-15	5.84	0.30	0.00	0.00		0.01		0.01	0.01	0.03	0.09	1.55	7.85	
		15.40	10.40	7.05	4.73	3.11	2.54	3.70	6.01	10.80	11.39	11.55	13.32	100.00	
7 m/s $\leq U_{90} < 9$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

7 m/s $\leq U_{90} < 9$ m/s

Deltares

App. B.1.050

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.74	0.01	0.01	0.01				0.00	0.03	0.14	0.68	4.15	5.77	
	285-315	0.04	0.00					0.00	0.02	0.13	0.83	3.19	2.62	6.83	
	255-285	0.06	0.00		0.00	0.00	0.00	0.01	0.10	1.24	4.17	3.10	0.59	9.29	
	225-255	0.06	0.02	0.01	0.00	0.01	0.01	0.10	1.05	10.18	5.83	1.52	0.35	19.16	
	195-225	0.03	0.05	0.03	0.00	0.04	0.05	0.60	4.83	3.57	0.87	0.38	0.16	10.59	
	165-195	0.04	0.03	0.05	0.04	0.14	0.43	3.21	2.39	0.63	0.35	0.18	0.15	7.64	
	135-165	0.08	0.10	0.16	0.20	0.77	1.88	0.99	0.38	0.13	0.11	0.07	0.07	4.94	
	105-135	0.14	0.19	0.41	1.21	1.98	0.31	0.09	0.03	0.02	0.02	0.01	0.03	4.44	
	75-105	0.08	0.86	3.29	2.98	0.12	0.01	0.00		0.01	0.00	0.02	0.03	7.41	
	45-75	0.44	3.82	4.45	0.10	0.00			0.01			0.00	0.02	8.84	
	15-45	3.24	4.64	0.10	0.00	0.00				0.00	0.01	0.01	0.08	8.08	
345-15	5.60	0.20							0.01	0.03	0.08	1.10	7.02		
		10.53	9.93	8.51	4.54	3.07	2.70	5.02	8.82	15.95	12.37	9.22	9.35	100.00	
		9 m/s $\leq U_{90} < 11$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 90m

9 m/s $\leq U_{90} < 11$ m/s

Deltares

App. B.1.051

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.56							0.00	0.01	0.06	0.50	4.53	5.66	
	285-315	0.00							0.00	0.10	0.84	3.54	1.72	6.21	
	255-285			0.00				0.00	0.07	1.35	6.02	2.58	0.13	10.16	
	225-255	0.01	0.02	0.00			0.02	0.07	1.13	15.53	5.44	0.91	0.08	23.22	
	195-225		0.01	0.00	0.00	0.00	0.05	0.63	7.53	4.71	0.58	0.10	0.02	13.64	
	165-195	0.01	0.02	0.03	0.03	0.03	0.35	4.64	2.97	0.50	0.16	0.07	0.03	8.84	
	135-165	0.01	0.02	0.05	0.10	0.58	1.87	1.19	0.25	0.06	0.02	0.01	0.03	4.18	
	105-135	0.01	0.05	0.10	1.07	1.84	0.25	0.04	0.01	0.02	0.01			3.41	
	75-105	0.02	0.17	2.05	2.80	0.07	0.01	0.00	0.00	0.00		0.00	0.00	5.16	
	45-75	0.08	2.96	3.87	0.05							0.01		6.97	
	15-45	1.78	5.23	0.11								0.00	0.02	7.15	
	345-15	4.18	0.10							0.01	0.01	0.04	1.04	5.39	
		6.68	8.58	6.22	4.05	2.53	2.55	6.58	11.97	22.30	13.14	7.77	7.61	100.00	
11 m/s $\leq U_{90} < 13$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 90m

11 m/s $\leq U_{90} < 13$ m/s

Deltares

App. B.1.052

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.23									0.03	0.37	4.86	5.49	
	285-315									0.06	0.85	3.39	1.45	5.74	
	255-285								0.06	1.45	6.71	2.08	0.01	10.30	
	225-255		0.01						0.01	1.36	19.59	4.78	0.37	0.03	26.15
	195-225	0.01						0.49	11.55	5.61	0.38	0.06	0.01	18.10	
	165-195				0.01	0.03	0.17	5.33	3.79	0.32	0.06	0.04	0.01	9.76	
	135-165	0.01		0.03	0.02	0.11	1.82	0.86	0.10	0.01	0.01	0.01	0.03	2.99	
	105-135		0.01	0.05	0.44	0.97	0.33	0.05	0.01					1.86	
	75-105		0.03	1.31	2.82	0.08	0.01	0.01						4.26	
	45-75	0.04	1.82	3.58	0.02									5.45	
	15-45	0.99	4.96	0.10						0.01	0.01			6.06	
	345-15	3.20	0.07								0.01	0.01	0.53	3.83	
		4.47	6.91	5.06	3.31	1.20	2.33	6.75	16.86	27.04	12.83	6.32	6.93	100.00	
13 m/s $\leq U_{90} < 15$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

13 m/s $\leq U_{90} < 15$ m/s

Deltares

App. B.1.053

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.20									0.01	0.33	4.55	5.09	
	285-315								0.03	0.61	3.18	1.33	5.15		
	255-285							0.06	0.98	8.02	1.67	0.01	10.74		
	225-255						0.01	1.44	25.98	4.20	0.06		31.70		
	195-225						0.21	14.18	6.71	0.15			21.24		
	165-195					0.05	5.22	4.67	0.35	0.05			10.35		
	135-165				0.02	0.84	0.69	0.04	0.01			0.01	1.61		
	105-135			0.13	0.43	0.14	0.01						0.72		
	75-105		0.63	1.40	0.04								2.07		
	45-75	0.01	0.75	2.68	0.02								3.47		
	15-45	0.59	3.55	0.05								0.01	4.20		
	345-15	2.95									0.01	0.70	3.66		
		3.75	4.30	3.36	1.56	0.50	1.03	6.14	20.40	34.06	13.04	5.25	6.61	100.00	
		15 m/s $\leq U_{90} < 17$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

15 m/s $\leq U_{90} < 17$ m/s

Deltares

App. B.1.054

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.20									0.04	0.31	4.75	5.31
285-315										0.74	3.83	0.85	5.42
255-285								0.02	1.24	8.88	2.07	0.02	12.22
225-255								1.05	32.45	2.94	0.02		36.46
195-225							0.17	14.92	7.16	0.02		0.02	22.28
165-195							5.49	5.07	0.07				10.63
135-165					0.02	0.65	0.76	0.02					1.44
105-135				0.17	0.18	0.15							0.50
75-105			0.02	0.57									0.59
45-75	0.02	0.07	0.68										0.78
15-45	0.30	1.87	0.09									0.02	2.27
345-15	1.50	0.02									0.02	0.55	2.09
	2.02	1.96	0.80	0.74	0.20	0.80	6.42	21.08	40.92	12.61	6.25	6.21	100.00

17 m/s $\leq U_{90} < 19$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 90m

17 m/s $\leq U_{90} < 19$ m/s

Deltares

App. B.1.055

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.14										0.29	3.12	3.55	
	285-315								0.07	0.47	4.20	0.97	5.71		
	255-285							0.04	1.22	7.50	1.22		9.98		
	225-255							1.51	39.35	2.51			43.38		
	195-225						0.07	15.12	9.01				24.20		
	165-195						4.92	5.06					9.98		
	135-165					0.29	0.39	0.04					0.72		
	105-135				0.14	0.04	0.07						0.25		
	75-105				0.32								0.32		
	45-75			0.04									0.04		
	15-45		0.65										0.65		
	345-15	0.75											0.47	1.22	
		0.90	0.65	0.04	0.47	0.04	0.36	5.39	21.76	49.66	10.48	5.71	4.56	100.00	
		19 m/s $\leq U_{90} < 21$ m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

19 m/s $\leq U_{90} < 21$ m/s

Deltares

App. B.1.056

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345											0.09	2.48	2.57	
	285-315									0.09	0.26	4.02	0.94	5.30	
	255-285									0.43	6.67	1.37		8.47	
	225-255								0.43	40.29	1.80			42.51	
	195-225								17.02	11.38				28.40	
	165-195							5.22	5.22					10.44	
	135-165						0.17	0.09						0.26	
	105-135														
	75-105														
	45-75														
	15-45		0.51											0.51	
	345-15	0.77											0.77	1.54	
		0.77	0.51				0.17	5.30	22.67	52.18	8.73	5.47	4.19	100.00	
		21 m/s $\leq U_{90} < 23$ m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

21 m/s $\leq U_{90} < 23$ m/s

Deltares

App. B.1.057

		MWD (° N)															
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345				
Wind direction (° N)	315-345												2.27	2.27			
	285-315									1.26	4.80	1.01	7.07				
	255-285								1.26	7.83	0.76	9.85					
	225-255							0.25	45.45	2.02	47.73						
	195-225							12.63	11.36	23.99							
	165-195						3.28	5.56	8.84								
	135-165						0.25	0.25									
	105-135																
	75-105																
	45-75																
	15-45																
	345-15																
											3.54	18.43	58.08	11.11	5.56	3.28	100.00
23 m/s $\leq U_{90} < 25$ m/s											Total						

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

23 m/s $\leq U_{90} < 25$ m/s

Deltares

App. B.1.058

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												0.73	0.73	
	285-315										1.46	1.46		2.92	
	255-285									0.73	6.57			7.30	
	225-255								0.73	40.88	1.46			43.07	
	195-225							22.63	13.87					36.50	
	165-195						1.46	8.03						9.49	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
							1.46	31.39	55.47	9.49	1.46	0.73	100.00		
		25 m/s $\leq U_{90} < 27$ m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

25 m/s $\leq U_{90} < 27$ m/s

Deltares

App. B.1.059

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												2.38	2.38	
	285-315											3.57	3.57		
	255-285									11.90	2.38		14.29		
	225-255							1.19	51.19	1.19			53.57		
	195-225							7.14	14.29				21.43		
	165-195							4.76					4.76		
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								13.10	65.48	13.10	5.95	2.38	100.00		
U ₉₀ ≥ 27 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 90m

U₉₀ ≥ 27 m/s

Deltares

App. B.1.060

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.14	0.12	0.02	0.01	0.01	0.00	0.01	0.01	0.07	0.20	0.66	4.06	6.31	
	285-315	0.41	0.11	0.03	0.01	0.01	0.01	0.01	0.05	0.18	0.83	2.82	2.60	7.08	
	255-285	0.43	0.10	0.04	0.03	0.02	0.01	0.02	0.14	1.11	4.03	2.60	1.44	9.97	
	225-255	0.46	0.12	0.06	0.03	0.02	0.03	0.09	0.89	10.51	3.88	1.64	1.28	19.03	
	195-225	0.39	0.11	0.10	0.05	0.08	0.10	0.49	5.22	3.39	0.78	0.56	0.81	12.08	
	165-195	0.43	0.12	0.14	0.11	0.18	0.47	2.70	2.14	0.52	0.33	0.29	0.41	7.85	
	135-165	0.49	0.24	0.27	0.25	0.57	1.23	0.72	0.25	0.17	0.16	0.16	0.33	4.84	
	105-135	0.66	0.44	0.54	1.03	1.15	0.28	0.09	0.05	0.10	0.09	0.07	0.26	4.77	
	75-105	0.92	1.06	2.02	1.80	0.12	0.04	0.02	0.02	0.05	0.05	0.09	0.28	6.46	
	45-75	1.60	2.82	2.52	0.12	0.02	0.01	0.00	0.01	0.03	0.04	0.09	0.34	7.60	
	15-45	3.39	3.25	0.18	0.01	0.00	0.01	0.00	0.01	0.04	0.06	0.09	0.48	7.53	
	345-15	4.36	0.35	0.02	0.00	0.00	0.01	0.01	0.01	0.04	0.09	0.16	1.42	6.48	
		14.67	8.84	5.95	3.45	2.19	2.21	4.16	8.80	16.22	10.55	9.25	13.72	100.00	
All year													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

All Year

Deltares

App. B.1.061

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.66	0.64	0.11	0.01	0.03	0.03	0.06	0.07	0.34	0.48	0.66	2.57	7.66	
	285-315	1.94	0.73	0.19	0.06	0.03	0.03	0.06	0.13	0.46	0.62	1.04	2.81	8.12	
	255-285	2.27	0.59	0.22	0.08	0.07	0.03	0.03	0.27	0.73	0.88	1.50	2.72	9.39	
	225-255	2.12	0.46	0.27	0.12	0.06	0.08	0.04	0.23	0.96	0.99	1.38	2.82	9.54	
	195-225	1.90	0.50	0.41	0.22	0.16	0.11	0.18	0.29	0.82	0.68	0.92	2.04	8.23	
	165-195	1.99	0.52	0.54	0.27	0.25	0.27	0.20	0.35	0.52	0.52	0.66	1.67	7.77	
	135-165	1.90	0.56	0.63	0.19	0.20	0.22	0.15	0.13	0.56	0.51	0.51	1.48	7.05	
	105-135	2.65	0.75	0.73	0.24	0.25	0.16	0.09	0.12	0.37	0.48	0.33	1.47	7.65	
	75-105	3.18	0.94	0.97	0.19	0.15	0.05	0.01	0.09	0.33	0.28	0.53	1.68	8.41	
	45-75	3.73	1.53	0.56	0.16	0.11	0.05		0.04	0.20	0.33	0.40	1.85	8.96	
	15-45	3.95	1.36	0.42	0.08	0.02	0.04	0.04	0.09	0.25	0.40	0.53	1.88	9.06	
	345-15	3.32	1.03	0.15		0.03	0.03	0.06	0.05	0.23	0.42	0.68	2.17	8.17	
		31.62	9.62	5.20	1.62	1.36	1.11	0.92	1.86	5.78	6.61	9.14	25.16	100.00	
		1 m/s ≤ U ₁₀₀ < 3 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

1 m/s ≤ U₁₀₀ < 3 m/s

Deltares

App. B.1.062

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.17	0.29	0.05	0.03	0.01	0.00	0.01	0.01	0.17	0.41	0.96	3.51	7.63	
	285-315	1.33	0.38	0.08	0.04	0.05	0.03	0.05	0.13	0.29	0.85	1.68	3.74	8.66	
	255-285	1.46	0.26	0.09	0.08	0.06	0.05	0.07	0.19	0.75	1.46	2.26	3.60	10.33	
	225-255	1.34	0.36	0.15	0.11	0.09	0.06	0.14	0.44	1.36	1.55	1.93	3.14	10.66	
	195-225	1.16	0.24	0.26	0.12	0.15	0.17	0.27	0.62	1.25	0.95	0.94	2.23	8.36	
	165-195	1.15	0.29	0.33	0.26	0.39	0.50	0.68	0.61	0.60	0.61	0.63	0.91	6.95	
	135-165	1.30	0.44	0.60	0.40	0.53	0.63	0.32	0.22	0.26	0.29	0.41	0.79	6.19	
	105-135	1.87	1.05	1.08	0.69	0.54	0.44	0.13	0.09	0.24	0.25	0.22	0.66	7.27	
	75-105	2.50	1.87	1.44	0.48	0.11	0.15	0.05	0.05	0.10	0.13	0.24	0.73	7.84	
	45-75	3.89	2.42	1.08	0.16	0.04	0.02		0.03	0.09	0.12	0.32	0.96	9.12	
	15-45	5.00	1.48	0.35	0.01	0.00	0.02	0.00	0.01	0.11	0.15	0.27	1.70	9.11	
	345-15	3.93	0.70	0.05			0.02	0.01	0.02	0.11	0.32	0.39	2.34	7.89	
		27.10	9.77	5.56	2.36	1.98	2.10	1.75	2.43	5.33	7.08	10.24	24.30	100.00	
		3 m/s ≤ U ₁₀₀ < 5 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

3 m/s ≤ U₁₀₀ < 5 m/s

Deltares

App. B.1.063

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.68	0.14	0.04		0.00	0.00	0.01	0.03	0.10	0.32	0.88	3.96	7.15	
	285-315	0.46	0.05	0.03	0.01	0.01	0.01	0.01	0.05	0.24	0.91	2.46	3.61	7.86	
	255-285	0.29	0.13	0.07	0.05	0.03	0.01	0.03	0.24	0.90	1.86	3.02	3.05	9.67	
	225-255	0.54	0.15	0.08	0.03	0.03	0.07	0.13	0.69	3.12	2.57	2.82	2.62	12.86	
	195-225	0.51	0.12	0.15	0.09	0.16	0.19	0.55	1.64	1.83	0.99	1.04	1.65	8.91	
	165-195	0.54	0.17	0.19	0.22	0.26	0.82	0.97	0.95	0.67	0.34	0.45	0.59	6.17	
	135-165	0.82	0.51	0.38	0.46	0.79	1.06	0.56	0.34	0.29	0.28	0.23	0.49	6.21	
	105-135	1.05	0.93	0.95	1.57	1.03	0.35	0.17	0.08	0.18	0.08	0.09	0.28	6.76	
	75-105	1.77	2.28	2.37	1.41	0.17	0.09	0.04	0.04	0.03	0.04	0.08	0.32	8.64	
	45-75	3.35	3.44	1.50	0.18	0.04	0.01	0.00		0.02	0.03	0.13	0.39	9.10	
	15-45	5.26	2.36	0.29	0.01	0.01	0.02	0.00	0.01	0.03	0.06	0.08	0.60	8.72	
	345-15	4.92	0.63	0.04	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.20	2.00	7.93	
		21.19	10.92	6.09	4.03	2.53	2.65	2.49	4.07	7.44	7.56	11.46	19.58	100.00	
		5 m/s ≤ U ₁₀₀ < 7 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

5 m/s ≤ U₁₀₀ < 7 m/s

Deltares

App. B.1.064

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.20	0.05	0.01	0.00	0.00				0.01	0.02	0.22	0.76	4.38	6.66
	285-315	0.13	0.03	0.01	0.01	0.01	0.00		0.05	0.22	0.92	3.06	3.14	7.58	
	255-285	0.13	0.03	0.02	0.02	0.02	0.01	0.02	0.12	1.21	3.46	3.51	1.46	10.00	
	225-255	0.25	0.08	0.03	0.02	0.02	0.03	0.11	0.80	5.71	4.78	2.87	1.42	16.12	
	195-225	0.13	0.07	0.09	0.05	0.10	0.16	0.69	2.76	2.52	1.27	0.80	0.71	9.35	
	165-195	0.26	0.07	0.11	0.11	0.28	0.74	1.86	1.69	0.59	0.40	0.35	0.36	6.82	
	135-165	0.26	0.28	0.32	0.37	0.95	1.27	0.86	0.37	0.13	0.13	0.11	0.17	5.21	
	105-135	0.31	0.47	0.71	1.81	1.49	0.27	0.12	0.07	0.06	0.04	0.03	0.11	5.49	
	75-105	0.54	1.55	2.75	2.12	0.19	0.02	0.01	0.01	0.04	0.02	0.03	0.06	7.35	
	45-75	1.66	4.17	2.78	0.21	0.01	0.01			0.01	0.00	0.03	0.11	8.99	
	15-45	4.98	3.25	0.13	0.01		0.00		0.01	0.01	0.02	0.04	0.15	8.58	
	345-15	5.85	0.29	0.00			0.01		0.01	0.01	0.03	0.09	1.56	7.85	
		15.66	10.34	6.95	4.73	3.08	2.54	3.67	5.88	10.53	11.30	11.69	13.64	100.00	
7 m/s ≤ U ₁₀₀ < 9 m/s														Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

7 m/s ≤ U₁₀₀ < 9 m/s

Deltares

App. B.1.065

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.74	0.01	0.00	0.01				0.00	0.03	0.14	0.66	4.15	5.75	
	285-315	0.04	0.00					0.00	0.03	0.13	0.85	3.18	2.66	6.88	
	255-285	0.07	0.00		0.00	0.00	0.00	0.02	0.10	1.25	4.17	3.06	0.61	9.29	
	225-255	0.07	0.03	0.01	0.00	0.01	0.01	0.11	1.04	10.07	5.94	1.62	0.39	19.31	
	195-225	0.04	0.04	0.03	0.01	0.04	0.05	0.64	4.72	3.52	0.87	0.42	0.17	10.52	
	165-195	0.04	0.05	0.07	0.04	0.16	0.47	3.08	2.30	0.60	0.40	0.18	0.15	7.54	
	135-165	0.10	0.13	0.17	0.22	0.82	1.82	0.95	0.35	0.14	0.12	0.08	0.08	4.96	
	105-135	0.13	0.22	0.49	1.22	1.93	0.27	0.09	0.03	0.02	0.03	0.01	0.04	4.48	
	75-105	0.10	0.88	3.28	2.97	0.12	0.01	0.00		0.01	0.00	0.02	0.03	7.42	
	45-75	0.46	3.84	4.33	0.10	0.01			0.01			0.00	0.02	8.77	
	15-45	3.32	4.46	0.09	0.00					0.00	0.01	0.01	0.09	7.99	
345-15	5.63	0.20	0.00	0.00					0.01	0.03	0.08	1.12	7.08		
		10.73	9.87	8.47	4.58	3.09	2.65	4.90	8.59	15.78	12.55	9.31	9.49	100.00	
9 m/s ≤ U ₁₀₀ < 11 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

9 m/s ≤ U₁₀₀ < 11 m/s

Deltares

App. B.1.066

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.56							0.00	0.01	0.06	0.55	4.53	5.71	
	285-315	0.00							0.00	0.11	0.87	3.59	1.71	6.28	
	255-285	0.00		0.00				0.00	0.07	1.39	5.91	2.61	0.14	10.13	
	225-255	0.02	0.02	0.00			0.02	0.07	1.16	15.22	5.30	0.94	0.09	22.86	
	195-225		0.01	0.01	0.00	0.01	0.07	0.63	7.42	4.58	0.62	0.09	0.03	13.48	
	165-195	0.01	0.02	0.03	0.03	0.05	0.35	4.63	2.87	0.51	0.17	0.07	0.04	8.77	
	135-165	0.01	0.02	0.07	0.13	0.64	1.92	1.14	0.25	0.06	0.03	0.02	0.04	4.34	
	105-135	0.04	0.06	0.13	1.17	1.84	0.24	0.04	0.02	0.02	0.01			3.57	
	75-105	0.03	0.24	2.28	2.69	0.06	0.01	0.00		0.00		0.00	0.00	5.32	
	45-75	0.08	3.04	3.76	0.04							0.01		6.92	
	15-45	1.90	5.13	0.09								0.00	0.02	7.16	
	345-15	4.20	0.10							0.00	0.01	0.04	1.08	5.45	
		6.87	8.65	6.38	4.06	2.60	2.62	6.52	11.81	21.91	12.97	7.92	7.69	100.00	
11 m/s $\leq U_{100} < 13$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 100m

11 m/s $\leq U_{100} < 13$ m/s

Deltares

App. B.1.067

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.21									0.02	0.38	4.78	5.39	
	285-315									0.08	0.83	3.40	1.50	5.80	
	255-285								0.06	1.48	6.60	2.13	0.01	10.29	
	225-255		0.01						0.02	1.37	19.28	4.98	0.37	0.03	26.06
	195-225	0.01						0.54	11.10	5.38	0.39	0.06	0.01	17.49	
	165-195	0.01			0.01	0.03	0.20	5.43	3.69	0.33	0.06	0.03	0.01	9.81	
	135-165	0.01	0.01	0.04	0.04	0.13	1.79	0.93	0.11	0.01	0.01	0.01	0.03	3.11	
	105-135			0.04	0.50	1.11	0.32	0.04	0.01	0.01				2.02	
	75-105		0.04	1.49	2.80	0.08	0.01	0.01						4.42	
	45-75	0.06	1.97	3.64	0.02									5.68	
	15-45	0.99	5.01	0.08						0.01	0.01			6.09	
	345-15	3.21	0.07							0.01		0.01	0.54	3.84	
		4.49	7.12	5.29	3.37	1.34	2.32	6.96	16.34	26.58	12.89	6.40	6.90	100.00	
13 m/s $\leq U_{100} < 15$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

13 m/s $\leq U_{100} < 15$ m/s

Deltares

App. B.1.068

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.20									0.02	0.32	4.40	4.93	
	285-315								0.03	0.65	3.11	1.28	5.07		
	255-285							0.06	1.00	8.05	1.69	0.01	10.82		
	225-255		0.01					0.01	1.52	25.73	4.12	0.08	31.46		
	195-225							0.24	14.45	6.45	0.13		21.27		
	165-195					0.01	0.08	5.05	4.60	0.32	0.05	0.01	10.11		
	135-165					0.04	1.00	0.69	0.04	0.01			0.01	1.79	
	105-135				0.15	0.45	0.19	0.02						0.80	
	75-105			0.63	1.45	0.04								2.12	
	45-75		0.87	2.86	0.02									3.75	
	15-45	0.62	3.57	0.06									0.02	4.27	
	345-15	2.89									0.02	0.01	0.67	3.60	
		3.71	4.45	3.56	1.61	0.53	1.27	6.01	20.66	33.53	13.05	5.22	6.39	100.00	
		15 m/s ≤ U ₁₀₀ < 17 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

15 m/s ≤ U₁₀₀ < 17 m/s

Deltares

App. B.1.069

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.18									0.04	0.34	4.77	5.33	
	285-315									0.68	3.56	0.84	5.08		
	255-285							0.02	1.19	8.68	2.03	0.02	11.94		
	225-255							1.12	31.80	3.10	0.04		36.06		
	195-225						0.16	15.39	7.14	0.04		0.02	22.75		
	165-195						5.51	4.95	0.18	0.02			10.65		
	135-165				0.02	0.69	0.73	0.02					1.46		
	105-135			0.18	0.18	0.11							0.46		
	75-105			0.02	0.59								0.61		
	45-75	0.02	0.11	0.75									0.87		
	15-45	0.30	2.24	0.09									0.02	2.65	
	345-15	1.57	0.02									0.02	0.53	2.14	
		2.07	2.37	0.86	0.77	0.20	0.80	6.40	21.50	40.32	12.54	5.99	6.20	100.00	
		17 m/s ≤ U ₁₀₀ < 19 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

17 m/s ≤ U₁₀₀ < 19 m/s

Deltares

App. B.1.070

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.17										0.27	2.95	3.39
285-315									0.03	0.50	4.33	0.94	5.80
255-285								0.03	1.17	7.55	1.27		10.03
225-255								1.48	39.52	2.52			43.51
195-225							0.10	14.73	8.72				23.55
165-195							5.07	5.20					10.27
135-165						0.27	0.47	0.03					0.77
105-135				0.13	0.03	0.13							0.30
75-105				0.37									0.37
45-75			0.07										0.07
15-45		0.64											0.64
345-15	0.87											0.44	1.31
	1.04	0.64	0.07	0.50	0.03	0.40	5.64	21.47	49.45	10.57	5.87	4.33	100.00
	19 m/s $\leq U_{100} < 21$ m/s												Total

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

19 m/s $\leq U_{100} < 21$ m/s

Deltares

App. B.1.071

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345											0.08	2.91	2.99	
	285-315									0.16	0.24	3.70	0.87	4.96	
	255-285									0.63	7.08	1.18		8.89	
	225-255								0.55	41.31	1.73			43.59	
	195-225								16.76	10.23				26.99	
	165-195							5.35	5.11					10.46	
	135-165						0.16	0.08						0.24	
	105-135														
	75-105														
	45-75														
	15-45		0.47											0.47	
	345-15	0.63											0.79	1.42	
		0.63	0.47				0.16	5.43	22.42	52.32	9.05	4.96	4.56	100.00	
		21 m/s ≤ U ₁₀₀ < 23 m/s												Total	

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

21 m/s ≤ U₁₀₀ < 23 m/s

Deltares

App. B.1.072

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												2.27	2.27	
	285-315										1.13	4.76	0.91	6.80	
	255-285									0.91	6.58	1.13		8.62	
	225-255								0.23	43.76	2.49			46.49	
	195-225								13.61	14.06				27.66	
	165-195							2.72	4.99					7.71	
	135-165						0.23							0.23	
	105-135														
	75-105														
	45-75														
	15-45														
	345-15	0.23												0.23	
		0.23						2.95	18.82	58.73	10.20	5.90	3.17	100.00	
		23 m/s $\leq U_{100} < 25$ m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

23 m/s $\leq U_{100} < 25$ m/s

Deltares

App. B.1.073

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												0.61	0.61	
	285-315										1.23	1.23	0.61	3.07	
	255-285									1.23	7.36			8.59	
	225-255								0.61	42.94	1.23			44.79	
	195-225								20.86	12.27				33.13	
	165-195							1.84	7.98					9.82	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								1.84	29.45	56.44	9.82	1.23	1.23	100.00	
25 m/s $\leq U_{100} < 27$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction Nautical convention: coming from, clockwise from North	Height: 100m	
	25 m/s $\leq U_{100} < 27$ m/s	
Deltares		App. B.1.074

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												2.04	2.04	
	285-315											3.06		3.06	
	255-285									11.22	2.04			13.27	
	225-255							1.02	48.98	1.02				51.02	
	195-225							10.20	15.31					25.51	
	165-195							5.10						5.10	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								16.33	64.29	12.24	5.10	2.04	100.00		
U ₁₀₀ >= 27 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 100m

U₁₀₀ >= 27 m/s

Deltares

App. B.1.075

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.12	0.12	0.03	0.01	0.00	0.00	0.01	0.01	0.07	0.22	0.69	4.10	6.40	
	285-315	0.45	0.11	0.03	0.01	0.01	0.01	0.01	0.05	0.21	0.87	2.89	2.60	7.24	
	255-285	0.45	0.11	0.04	0.03	0.02	0.02	0.03	0.14	1.24	4.19	2.64	1.47	10.38	
	225-255	0.48	0.13	0.06	0.04	0.03	0.04	0.10	1.00	10.73	3.74	1.58	1.27	19.19	
	195-225	0.42	0.11	0.11	0.06	0.09	0.13	0.58	5.42	3.11	0.75	0.52	0.78	12.08	
	165-195	0.43	0.14	0.17	0.13	0.22	0.55	2.71	1.88	0.47	0.31	0.28	0.41	7.69	
	135-165	0.52	0.27	0.28	0.30	0.64	1.18	0.63	0.21	0.17	0.16	0.15	0.33	4.84	
	105-135	0.66	0.49	0.63	1.08	1.06	0.24	0.07	0.04	0.09	0.07	0.07	0.25	4.74	
	75-105	0.91	1.17	2.10	1.68	0.09	0.03	0.01	0.02	0.03	0.04	0.09	0.26	6.44	
	45-75	1.60	2.87	2.31	0.11	0.02	0.01	0.00	0.01	0.03	0.04	0.08	0.32	7.39	
	15-45	3.40	3.01	0.16	0.01	0.00	0.01	0.00	0.01	0.03	0.06	0.09	0.46	7.24	
345-15	4.23	0.32	0.02	0.00	0.00	0.01	0.00	0.01	0.04	0.10	0.17	1.45	6.36		
		14.67	8.84	5.95	3.45	2.19	2.21	4.16	8.80	16.22	10.55	9.25	13.72	100.00	
All year													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 150m

All Year

Deltares

App. B.1.076

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.79	0.71	0.12		0.01	0.02	0.06	0.07	0.32	0.49	0.74	2.59	7.92	
	285-315	2.23	0.72	0.21	0.05	0.07	0.03	0.05	0.13	0.48	0.60	1.07	2.71	8.35	
	255-285	2.46	0.73	0.23	0.08	0.06	0.05	0.05	0.23	0.68	0.92	1.52	2.83	9.84	
	225-255	2.22	0.49	0.27	0.15	0.09	0.10	0.06	0.27	0.98	0.96	1.33	2.57	9.49	
	195-225	1.98	0.56	0.47	0.17	0.16	0.16	0.19	0.34	0.73	0.73	0.89	1.91	8.29	
	165-195	1.99	0.52	0.57	0.29	0.27	0.29	0.20	0.34	0.55	0.55	0.61	1.80	7.98	
	135-165	1.96	0.55	0.68	0.23	0.20	0.22	0.15	0.13	0.63	0.54	0.49	1.42	7.20	
	105-135	2.62	0.81	0.72	0.16	0.14	0.17	0.07	0.13	0.30	0.36	0.23	1.41	7.13	
	75-105	2.95	1.23	0.88	0.22	0.14	0.04	0.01	0.05	0.28	0.26	0.55	1.65	8.26	
	45-75	3.60	1.61	0.62	0.11	0.10	0.06	0.01	0.04	0.21	0.27	0.42	1.75	8.79	
	15-45	3.92	1.42	0.38	0.09	0.02	0.01	0.03	0.07	0.16	0.36	0.55	1.78	8.81	
	345-15	3.23	0.94	0.13	0.02	0.02	0.02	0.04	0.04	0.23	0.43	0.72	2.11	7.94	
		31.96	10.31	5.28	1.56	1.26	1.17	0.93	1.84	5.56	6.47	9.13	24.54	100.00	
1 m/s ≤ U ₁₅₀ < 3 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

1 m/s ≤ U₁₅₀ < 3 m/s

Deltares

App. B.1.077

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	2.24	0.30	0.04	0.03	0.01	0.01	0.02	0.01	0.16	0.44	0.89	3.59	7.75	
	285-315	1.40	0.36	0.08	0.02	0.04	0.01	0.06	0.12	0.33	0.87	1.73	3.86	8.90	
	255-285	1.53	0.32	0.09	0.09	0.06	0.05	0.10	0.18	0.77	1.42	2.30	3.62	10.54	
	225-255	1.35	0.36	0.17	0.13	0.07	0.05	0.10	0.43	1.30	1.48	1.84	3.11	10.39	
	195-225	1.31	0.24	0.32	0.14	0.18	0.19	0.29	0.67	1.19	0.93	0.94	2.16	8.56	
	165-195	1.16	0.32	0.34	0.25	0.40	0.45	0.57	0.57	0.56	0.54	0.60	0.88	6.63	
	135-165	1.41	0.53	0.60	0.41	0.55	0.62	0.30	0.21	0.26	0.30	0.40	0.82	6.40	
	105-135	1.98	1.15	1.13	0.64	0.52	0.41	0.10	0.06	0.19	0.19	0.17	0.58	7.12	
	75-105	2.48	1.97	1.51	0.47	0.10	0.12	0.03	0.06	0.08	0.15	0.21	0.71	7.89	
	45-75	4.22	2.33	1.01	0.15	0.04	0.02	0.00	0.02	0.05	0.11	0.29	0.91	9.18	
	15-45	4.94	1.53	0.34	0.01		0.03		0.01	0.10	0.13	0.23	1.66	9.00	
	345-15	3.78	0.65	0.05		0.00	0.02	0.01	0.02	0.08	0.33	0.39	2.31	7.65	
		27.79	10.06	5.69	2.36	1.97	2.00	1.59	2.37	5.10	6.90	9.98	24.20	100.00	
		3 m/s ≤ U ₁₅₀ < 5 m/s													Total

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

3 m/s ≤ U₁₅₀ < 5 m/s

Deltares

App. B.1.078

		MWD (° N)												
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345	
Wind direction (° N)	315-345	1.66	0.12	0.05		0.00	0.00	0.00	0.03	0.12	0.36	0.94	4.04	7.33
	285-315	0.52	0.05	0.03	0.02	0.01	0.01	0.01	0.06	0.25	0.94	2.47	3.71	8.09
	255-285	0.34	0.11	0.07	0.05	0.04	0.02	0.03	0.24	0.97	1.92	3.23	3.16	10.19
	225-255	0.61	0.17	0.08	0.04	0.05	0.08	0.15	0.66	2.91	2.35	2.62	2.61	12.34
	195-225	0.53	0.14	0.13	0.11	0.16	0.22	0.58	1.49	1.73	0.93	0.97	1.59	8.57
	165-195	0.60	0.22	0.26	0.24	0.30	0.90	0.98	0.80	0.57	0.37	0.45	0.60	6.29
	135-165	0.89	0.58	0.44	0.54	0.79	1.00	0.53	0.25	0.28	0.24	0.24	0.52	6.30
	105-135	1.05	1.05	1.02	1.54	0.91	0.28	0.13	0.08	0.16	0.09	0.12	0.29	6.72
	75-105	1.88	2.41	2.31	1.37	0.14	0.05	0.02	0.03	0.01	0.03	0.08	0.32	8.66
	45-75	3.45	3.46	1.37	0.16	0.02	0.01			0.02	0.03	0.10	0.41	9.05
	15-45	5.27	2.16	0.29	0.01	0.01	0.01	0.01	0.00	0.03	0.06	0.07	0.64	8.57
	345-15	4.80	0.58	0.02	0.01	0.01	0.01	0.00	0.01	0.04	0.10	0.22	2.10	7.90
		21.59	11.06	6.08	4.08	2.47	2.60	2.44	3.65	7.10	7.42	11.51	20.00	100.00

5 m/s ≤ U₁₅₀ < 7 m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 150m

5 m/s ≤ U₁₅₀ < 7 m/s

Deltares

App. B.1.079

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	1.20	0.05	0.01	0.00	0.00				0.02	0.03	0.27	0.86	4.57	7.02
	285-315	0.15	0.03	0.01	0.01	0.01	0.00		0.05	0.27	1.01	3.20	3.29	8.04	
	255-285	0.13	0.03	0.02	0.01	0.01	0.01	0.02	0.15	1.38	3.63	3.55	1.65	10.58	
	225-255	0.29	0.09	0.03	0.03	0.04	0.05	0.16	0.84	5.26	4.32	2.90	1.57	15.57	
	195-225	0.17	0.07	0.09	0.06	0.13	0.23	0.77	2.73	2.14	1.12	0.75	0.76	9.02	
	165-195	0.27	0.09	0.17	0.15	0.33	0.89	1.59	1.31	0.55	0.35	0.33	0.34	6.36	
	135-165	0.32	0.31	0.39	0.49	1.01	1.07	0.74	0.34	0.16	0.16	0.10	0.20	5.26	
	105-135	0.35	0.58	0.89	1.85	1.41	0.26	0.11	0.06	0.07	0.03	0.03	0.11	5.73	
	75-105	0.63	1.76	2.77	1.94	0.16	0.02	0.02	0.00	0.01	0.01	0.04	0.06	7.43	
	45-75	1.59	3.99	2.55	0.21	0.01	0.00			0.01	0.00	0.01	0.10	8.48	
	15-45	5.09	3.06	0.12	0.00		0.00		0.00	0.00	0.01	0.04	0.15	8.51	
	345-15	5.82	0.30	0.00	0.00		0.00		0.00	0.01	0.04	0.11	1.70	8.00	
		16.01	10.38	7.05	4.76	3.10	2.53	3.41	5.50	9.90	10.95	11.92	14.50	100.00	Total

7 m/s ≤ U₁₅₀ < 9 m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 150m

7 m/s ≤ U₁₅₀ < 9 m/s

Deltares

App. B.1.080

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.79	0.02	0.00	0.01					0.03	0.20	0.74	4.41	6.19	
	285-315	0.05	0.01					0.00	0.03	0.17	0.94	3.39	2.74	7.33	
	255-285	0.07	0.00	0.00	0.00	0.00	0.00	0.03	0.10	1.41	4.35	3.25	0.70	9.93	
	225-255	0.08	0.03	0.02	0.00	0.01	0.02	0.13	1.20	9.36	5.94	1.76	0.51	19.06	
	195-225	0.06	0.07	0.06	0.02	0.05	0.11	0.74	4.37	3.17	0.96	0.41	0.21	10.22	
	165-195	0.05	0.08	0.09	0.09	0.26	0.65	2.91	1.88	0.55	0.40	0.25	0.15	7.37	
	135-165	0.10	0.16	0.16	0.30	0.90	1.44	0.79	0.27	0.11	0.11	0.09	0.06	4.49	
	105-135	0.14	0.28	0.60	1.35	1.69	0.22	0.07	0.02	0.02	0.02	0.00	0.07	4.48	
	75-105	0.13	1.12	3.30	2.73	0.09	0.01			0.01	0.00	0.01	0.01	7.41	
	45-75	0.53	4.04	3.90	0.09	0.01			0.00			0.00	0.02	8.61	
	15-45	3.58	3.87	0.08					0.00	0.00	0.01	0.01	0.10	7.65	
345-15	5.70	0.15	0.00					0.00	0.01	0.03	0.09	1.28	7.26		
		11.26	9.82	8.22	4.60	3.02	2.44	4.68	7.89	14.84	12.97	10.00	10.26	100.00	
9 m/s $\leq U_{150} < 11$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 150m

9 m/s $\leq U_{150} < 11$ m/s

Deltares

App. B.1.081

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.55							0.01	0.03	0.06	0.58	4.46	5.68	
	285-315	0.00							0.01	0.13	0.93	3.81	1.80	6.68	
	255-285	0.00						0.00	0.11	1.63	5.81	2.60	0.17	10.34	
	225-255	0.05	0.02	0.01		0.00	0.01	0.10	1.40	14.17	5.13	0.91	0.16	21.96	
	195-225	0.01	0.01	0.02	0.01	0.02	0.08	0.81	7.51	4.00	0.63	0.15	0.07	13.32	
	165-195	0.01	0.05	0.07	0.05	0.11	0.51	4.45	2.45	0.44	0.18	0.07	0.07	8.47	
	135-165	0.06	0.07	0.10	0.24	0.92	2.00	0.96	0.26	0.10	0.04	0.01	0.04	4.80	
	105-135	0.05	0.08	0.42	1.33	1.70	0.18	0.02	0.01	0.01	0.01	0.01	0.00	3.84	
	75-105	0.05	0.40	2.67	2.55	0.06	0.00	0.00		0.00		0.00		5.74	
	45-75	0.12	3.37	3.30	0.05							0.00		6.84	
	15-45	2.19	4.47	0.07								0.00	0.02	6.75	
	345-15	4.29	0.09							0.01	0.02	0.04	1.13	5.58	
		7.38	8.55	6.66	4.22	2.82	2.79	6.35	11.76	20.52	12.83	8.19	7.93	100.00	
11 m/s ≤ U ₁₅₀ < 13 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

11 m/s ≤ U₁₅₀ < 13 m/s

Deltares

App. B.1.082

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.21									0.02	0.48	4.81	5.53	
	285-315								0.01	0.09	0.92	3.38	1.46	5.85	
	255-285								0.07	1.77	6.82	2.31	0.02	10.99	
	225-255	0.01	0.03				0.02	0.05	1.44	18.51	4.91	0.52	0.05	25.53	
	195-225	0.02				0.01	0.04	0.65	10.04	4.68	0.40	0.05	0.01	15.89	
	165-195	0.01	0.01	0.01	0.03	0.05	0.29	5.42	2.94	0.36	0.09	0.02	0.01	9.24	
	135-165	0.01	0.02	0.05	0.04	0.39	2.02	0.82	0.12	0.02		0.01	0.02	3.53	
	105-135		0.02	0.14	0.89	1.18	0.21	0.03	0.02	0.01				2.49	
	75-105	0.01	0.13	2.15	2.70	0.05	0.01	0.01						5.06	
	45-75	0.06	2.54	3.32	0.02									5.95	
	15-45	1.30	4.65	0.05						0.01			0.01	6.01	
	345-15	3.25	0.05							0.01		0.01	0.62	3.94	
		4.86	7.46	5.72	3.69	1.67	2.60	6.98	14.63	25.44	13.15	6.79	7.01	100.00	
13 m/s $\leq U_{150} < 15$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

13 m/s $\leq U_{150} < 15$ m/s

Deltares

App. B.1.083

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345	0.17									0.02	0.29	4.07	4.55	
	285-315									0.04	0.62	3.04	1.14	4.83	
	255-285								0.06	1.20	7.85	1.59	0.01	10.71	
	225-255		0.01					0.01	1.78	24.74	4.04	0.19		30.77	
	195-225						0.01	0.66	14.02	5.65	0.19	0.04	0.02	20.58	
	165-195					0.03	0.19	5.53	4.15	0.30	0.03			10.22	
	135-165			0.01	0.04	0.08	1.36	0.68	0.05		0.01		0.04	2.26	
	105-135			0.04	0.28	0.76	0.24	0.02						1.33	
	75-105		0.04	1.02	1.62	0.02								2.70	
	45-75	0.01	1.30	2.94	0.02									4.26	
	15-45	0.66	3.68	0.03							0.01		0.02	4.40	
	345-15	2.68	0.02								0.02	0.01	0.67	3.40	
		3.52	5.04	4.03	1.96	0.88	1.80	6.89	20.06	31.92	12.77	5.15	5.96	100.00	
15 m/s <=U ₁₅₀ <17 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

15 m/s <=U₁₅₀<17 m/s

Deltares

App. B.1.084

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.15									0.03	0.38	4.64	5.21
285-315									0.01	0.70	2.91	0.87	4.50
255-285								0.01	1.14	8.48	1.80	0.01	11.45
225-255								1.49	31.76	3.62	0.04		36.92
195-225						0.22	15.83	6.52	0.10				22.68
165-195					0.03	5.25	4.20	0.15	0.01				9.64
135-165					0.01	0.75	0.65	0.01					1.43
105-135				0.16	0.24	0.12	0.01						0.53
75-105			0.07	0.50	0.01								0.59
45-75	0.01	0.31	1.36										1.69
15-45	0.30	2.69	0.06									0.01	3.06
345-15	1.79	0.01									0.01	0.47	2.29
	2.25	3.02	1.49	0.67	0.27	0.90	6.14	21.55	39.59	12.94	5.16	6.02	100.00
	17 m/s ≤ U ₁₅₀ < 19 m/s												Total

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

17 m/s ≤ U₁₅₀ < 19 m/s

Deltares

App. B.1.085

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345	0.14										0.27	2.53	2.94
285-315									0.03	0.60	4.31	0.82	5.75
255-285								0.03	1.34	7.71	1.36		10.44
225-255								1.50	37.94	3.13			42.57
195-225							0.11	16.73	6.54			0.03	23.41
165-195							5.31	4.99	0.03				10.33
135-165						0.38	0.57	0.03					0.98
105-135				0.22	0.08	0.11							0.41
75-105				0.41									0.41
45-75		0.11	0.22										0.33
15-45	0.08	1.06											1.14
345-15	0.95											0.33	1.28
	1.17	1.17	0.22	0.63	0.08	0.49	6.00	23.28	45.87	11.45	5.94	3.71	100.00
	19 m/s ≤ U ₁₅₀ < 21 m/s												Total

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

19 m/s ≤ U₁₅₀ < 21 m/s

Deltares

App. B.1.086

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345											0.06	2.87	2.92	
	285-315									0.11	0.28	3.21	0.67	4.27	
	255-285									1.01	6.02	1.24		8.27	
	225-255								1.18	42.52	1.69			45.39	
	195-225								17.38	9.28				26.66	
	165-195							5.57	4.78					10.35	
	135-165						0.17	0.11						0.28	
	105-135														
	75-105														
	45-75														
	15-45		0.51											0.51	
	345-15	0.62											0.73	1.35	
		0.62	0.51				0.17	5.68	23.34	52.92	7.99	4.50	4.27	100.00	
		21 m/s ≤ U ₁₅₀ < 23 m/s											Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

21 m/s ≤ U₁₅₀ < 23 m/s

Deltares

App. B.1.087

Wind direction (° N)	MWD (° N)											Total	
	345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315		315-345
315-345												1.44	1.44
285-315										0.86	4.45	0.29	5.60
255-285								0.72		6.18	0.57		7.47
225-255							0.72	48.85		2.30			51.87
195-225							15.95	11.06					27.01
165-195						2.44	3.88						6.32
135-165													
105-135													
75-105													
45-75													
15-45													
345-15	0.14											0.14	0.29
	0.14					2.44	20.55	60.63	9.34	5.03	1.87		100.00

23 m/s $\leq U_{150} < 25$ m/s

Total

Joint Occurrence table of wind direction vs. wave direction
Nautical convention: coming from, clockwise from North

Height: 150m

23 m/s $\leq U_{150} < 25$ m/s

Deltares

App. B.1.088

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												0.75	0.75	
	285-315										0.38	0.75	1.13	2.26	
	255-285									1.13	8.30	0.75		10.19	
	225-255								0.38	49.43	0.75			50.57	
	195-225								16.23	11.70				27.92	
	165-195							3.77	4.15					7.92	
	135-165							0.38						0.38	
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								4.15	20.75	62.26	9.43	1.51	1.89	100.00	
25 m/s $\leq U_{150} < 27$ m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

25 m/s $\leq U_{150} < 27$ m/s

Deltares

App. B.1.089

		MWD (° N)													
		345-15	15-45	45-75	75-105	105-135	135-165	165-195	195-225	225-255	255-285	285-315	315-345		
Wind direction (° N)	315-345												1.88	1.88	
	285-315										1.25	1.88		3.13	
	255-285										8.13	1.25		9.38	
	225-255								1.25	45.00	1.88			48.13	
	195-225								15.63	14.37				30.00	
	165-195								7.50					7.50	
	135-165														
	105-135														
	75-105														
	45-75														
	15-45														
	345-15														
								24.38	59.38	11.25	3.13	1.88	100.00		
U ₁₅₀ >=27 m/s													Total		

Joint Occurrence table of wind direction vs. wave direction
 Nautical convention: coming from, clockwise from North

Height: 150m

U₁₅₀ >=27 m/s

Deltares

App. B.1.090

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	
315-345	0.48	1.51	1.51	1.06	0.69	0.38	0.25	0.15	0.09	0.04	0.02	0.02	0.01		6.20
285-315	0.48	1.62	1.90	1.14	0.72	0.40	0.23	0.14	0.10	0.03	0.02	0.01	0.00		6.79
255-285	0.76	2.29	2.59	1.51	0.99	0.55	0.33	0.18	0.08	0.04	0.01	0.01	0.00	0.00	9.34
225-255	1.18	5.01	4.82	2.71	1.80	1.16	0.75	0.40	0.15	0.07	0.02	0.00	0.00		18.07
195-225	1.15	3.89	3.12	1.92	1.23	0.65	0.32	0.17	0.05	0.02	0.00				12.51
165-195	1.05	3.11	1.91	1.04	0.54	0.27	0.10	0.04	0.00	0.00	0.00				8.06
135-165	1.17	2.48	0.90	0.24	0.07	0.03	0.00	0.00							4.89
105-135	1.21	2.55	0.75	0.19	0.04	0.01	0.01								4.75
75-105	1.37	3.12	1.27	0.49	0.21	0.07	0.01								6.53
45-75	1.36	3.42	1.85	0.73	0.36	0.10	0.02	0.01							7.85
15-45	1.14	3.04	2.39	0.93	0.43	0.14	0.07	0.03	0.00	0.01	0.00				8.18
345-15	0.72	2.04	1.84	1.11	0.56	0.27	0.16	0.07	0.03	0.01	0.00	0.00			6.82
	12.05	34.08	24.84	13.08	7.63	4.04	2.26	1.17	0.50	0.23	0.07	0.04	0.01	0.00	100.00
All year															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

All Year

Deltares

App. B.2.001

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	2.39	3.25	0.89	0.13												6.66
285-315	2.49	3.35	0.96	0.17												6.97
255-285	3.71	3.77	0.90	0.10	0.01											8.49
225-255	4.28	4.42	0.78	0.09		0.01										9.58
195-225	4.49	4.19	0.64	0.04												9.36
165-195	4.30	3.72	0.37	0.02												8.42
135-165	4.37	3.01	0.29	0.05	0.01											7.73
105-135	4.15	3.10	0.42	0.06	0.01											7.74
75-105	4.89	3.73	0.47	0.06												9.15
45-75	4.45	4.08	0.64	0.04	0.01											9.21
15-45	4.00	3.86	0.90	0.07												8.83
345-15	3.39	3.54	0.84	0.08	0.01											7.85
	46.91	44.03	8.10	0.90	0.05	0.01										100.00
	1 m/s ≤ U ₁₀ < 3 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

1 m/s ≤ U₁₀ < 3 m/s

Deltares

App. B.2.002

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.11	3.00	1.62	0.38	0.02											6.14
285-315	1.11	3.39	1.87	0.42	0.03											6.83
255-285	1.78	4.43	1.80	0.25	0.01	0.00										8.28
225-255	3.22	6.47	1.53	0.12	0.00											11.34
195-225	3.03	5.53	0.97	0.05	0.00											9.58
165-195	2.73	3.85	0.47	0.01												7.07
135-165	2.97	3.51	0.28	0.03												6.78
105-135	3.42	3.98	0.35	0.01												7.76
75-105	3.67	4.71	0.42	0.03												8.83
45-75	3.91	5.36	0.83	0.06												10.16
15-45	3.47	4.88	1.32	0.06	0.01											9.75
345-15	1.81	3.68	1.78	0.19	0.02											7.49
	32.23	52.78	13.25	1.62	0.11	0.00										100.00
	3 m/s ≤ U ₁₀ < 5 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

3 m/s ≤ U₁₀ < 5 m/s

Deltares

App. B.2.003

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.19	2.54	2.63	1.04	0.13	0.00										6.53
285-315	0.12	2.66	2.97	0.99	0.19	0.01										6.93
255-285	0.30	4.19	3.20	0.63	0.07	0.00			0.00							8.38
225-255	0.87	9.22	3.10	0.27	0.02	0.00										13.48
195-225	0.86	7.15	1.93	0.08												10.02
165-195	0.74	5.31	0.71	0.08	0.00											6.85
135-165	1.08	4.35	0.47	0.02												5.92
105-135	1.03	4.69	0.47	0.01	0.00											6.21
75-105	1.22	6.46	0.92	0.05	0.00											8.65
45-75	1.24	6.45	1.53	0.13	0.02											9.39
15-45	0.76	5.64	2.83	0.29	0.03	0.00										9.55
345-15	0.30	3.71	3.10	0.88	0.09											8.09
	8.70	62.39	23.87	4.46	0.55	0.02			0.00							100.00
	5 m/s ≤ U ₁₀ < 7 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

5 m/s ≤ U₁₀ < 7 m/s

Deltares

App. B.2.004

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.01	0.95	2.59	1.95	0.62	0.05	0.00									6.17
285-315	0.00	1.00	3.59	1.76	0.58	0.09	0.00									7.03
255-285	0.01	1.96	5.38	1.74	0.33	0.04										9.45
225-255	0.07	7.66	8.71	1.12	0.10	0.01										17.66
195-225	0.03	5.45	4.54	0.31	0.03											10.36
165-195	0.02	4.87	2.37	0.10												7.37
135-165	0.05	3.43	1.14	0.03												4.66
105-135	0.04	3.25	1.05	0.02	0.01											4.37
75-105	0.04	3.70	2.45	0.14	0.01											6.34
45-75	0.06	4.59	3.81	0.65	0.01											9.12
15-45	0.01	3.87	4.75	0.86	0.08	0.00	0.00									9.57
345-15	0.00	1.80	3.40	2.18	0.48	0.04	0.01									7.90
	0.33	42.55	43.77	10.86	2.24	0.23	0.02									100.00
	7 m/s ≤ U ₁₀ < 9 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

7 m/s ≤ U₁₀ < 9 m/s

Deltares

App. B.2.005

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.12	1.19	2.28	1.94	0.56	0.10	0.01								6.22
285-315		0.13	1.81	2.72	1.65	0.50	0.09	0.01								6.91
255-285		0.12	3.91	4.14	1.54	0.16	0.02									9.90
225-255	0.01	2.30	12.61	6.11	0.84	0.05										21.92
195-225		1.39	8.71	2.95	0.16	0.01										13.23
165-195		1.36	5.98	0.84	0.03	0.00										8.21
135-165		0.94	2.71	0.17												3.83
105-135	0.01	0.57	2.03	0.36	0.01											2.99
75-105		0.42	3.33	1.11	0.06											4.91
45-75		0.51	4.29	2.33	0.30	0.00	0.00									7.44
15-45		0.47	4.16	2.47	0.58	0.04	0.01									7.73
345-15		0.19	1.76	2.67	1.60	0.46	0.03									6.72
		0.02	8.54	52.49	28.17	8.71	1.80	0.26	0.02							100.00
		9 m/s ≤ U ₁₀ < 11 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

9 m/s ≤ U₁₀ < 11 m/s

Deltares

App. B.2.006

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01	0.16	0.87	2.18	1.79	0.87	0.15	0.01	0.01						6.04
285-315		0.01	0.21	1.38	2.63	1.71	0.55	0.11	0.01							6.61
255-285			0.54	3.83	4.61	1.42	0.18	0.01								10.58
225-255		0.24	4.47	12.38	6.92	1.18	0.07	0.02								25.26
195-225		0.08	3.88	10.54	3.32	0.15	0.01									17.98
165-195		0.04	3.23	5.96	0.58	0.02	0.01									9.83
135-165		0.03	1.21	1.42	0.06											2.72
105-135		0.01	0.62	0.93	0.15											1.70
75-105		0.01	0.42	2.35	1.11	0.10										3.98
45-75		0.01	0.37	2.09	1.90	0.12	0.02									4.50
15-45		0.01	0.75	3.00	2.04	0.37	0.04	0.01								6.24
345-15			0.08	1.16	1.69	1.06	0.49	0.06	0.01							4.56
		0.42	15.94	45.91	27.17	7.93	2.23	0.36	0.03	0.01						100.00
		11 m/s ≤ U ₁₀ < 13 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

11 m/s ≤ U₁₀ < 13 m/s

Deltares

App. B.2.007

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345				0.12	0.50	1.38	1.72	1.25	0.52	0.09	0.03	0.01	0.01			5.62
285-315			0.01	0.15	0.75	1.81	1.68	0.83	0.27	0.01						5.51
255-285		0.01	0.03	0.36	3.11	4.88	2.10	0.31	0.03							10.82
225-255			0.28	3.74	13.22	10.39	2.31	0.14	0.02							30.10
195-225		0.01	0.41	4.65	11.49	3.78	0.23	0.03								20.59
165-195			0.12	3.92	5.71	0.62	0.06									10.44
135-165			0.01	0.76	0.76	0.01										1.53
105-135		0.01	0.07	0.43	0.21	0.06	0.01									0.79
75-105			0.03	0.50	1.35	0.80	0.02									2.69
45-75			0.01	0.23	1.73	1.37	0.19	0.01								3.54
15-45			0.01	0.48	1.72	1.39	0.60	0.12	0.01							4.32
345-15				0.06	0.62	1.26	1.25	0.63	0.20							4.04
				0.03	0.97	15.39	41.17	27.77	10.16	3.32	1.05	0.10	0.03	0.01	0.01	100.00
				13 m/s ≤ U ₁₀ < 15 m/s												Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 10m

13 m/s ≤ U₁₀ < 15 m/s

Deltares

App. B.2.008

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345					0.13	0.49	0.93	1.57	1.38	0.85	0.23	0.17				5.74
285-315					0.25	0.62	1.57	2.10	1.27	0.25	0.09					6.14
255-285				0.02	0.47	2.00	5.27	3.97	0.89	0.17						12.79
225-255				0.45	3.15	11.35	14.92	4.97	0.36	0.02						35.22
195-225			0.02	0.40	4.21	11.84	5.31	0.53	0.02							22.32
165-195				0.25	3.55	5.89	0.81	0.04								10.54
135-165				0.02	0.51	0.91	0.02									1.45
105-135					0.21	0.11	0.19									0.51
75-105						0.32	0.28									0.60
45-75				0.06		0.08	0.34	0.21								0.68
15-45					0.08	0.25	0.70	0.55	0.13	0.09						1.79
345-15					0.02	0.26	0.60	0.59	0.51	0.21	0.02					2.21
					0.02	1.19	12.58	34.13	30.93	14.50	4.55	1.59	0.34	0.17		100.00
					15 m/s ≤ U ₁₀ < 17 m/s											Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

15 m/s ≤ U₁₀ < 17 m/s

Deltares

App. B.2.009

Wind direction (° N)	H _s (m)																
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0	
315-345						0.10	0.39	0.15	0.73	0.88	0.93	0.78	0.05		4.00		
285-315					0.20	0.10	0.63	0.83	2.73	1.22	0.63	0.54			6.88		
255-285					0.05	0.20	1.22	3.47	3.51	1.22	0.05				9.71		
225-255					0.15	2.10	12.49	17.81	6.15	0.73	0.05				39.48		
195-225					0.39	3.12	11.62	8.49	1.61	0.05					25.28		
165-195					0.44	3.95	5.76	0.93							11.08		
135-165					0.05	0.49	0.10								0.63		
105-135							0.15								0.15		
75-105							0.34								0.34		
45-75																	
15-45							0.05	0.05		0.59	0.05				0.73		
345-15						0.10	0.24	0.15	0.44	0.49	0.20	0.10			1.71		
							1.27	10.15	32.99	31.87	15.18	5.17	1.90	1.42	0.05	100.00	
							17 m/s ≤ U ₁₀ < 19 m/s										Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

17 m/s ≤ U₁₀ < 19 m/s

Deltares

App. B.2.010

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345							0.37	0.93	0.74			0.74	0.93		3.72	
285-315					0.19	0.19	0.19	0.19	2.42	2.42	1.30	0.74	0.19		7.81	
255-285							0.37	0.93	2.23	5.58	1.30	0.37			10.78	
225-255							1.30	9.48	18.96	11.90	0.74				42.38	
195-225					0.19	0.37	4.09	14.50	5.76	0.74					25.65	
165-195						0.37	2.42	5.20	0.37						8.36	
135-165								0.19							0.19	
105-135																
75-105																
45-75																
15-45											0.19				0.19	
345-15								0.19	0.19			0.56			0.93	
							0.37	0.93	8.36	31.04	30.86	21.38	3.53	2.42	1.12	100.00
	19 m/s ≤ U ₁₀ < 21 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 10m

19 m/s ≤ U₁₀ < 21 m/s

Deltares

App. B.2.011

Wind direction (° N)	H _s (m)													Total	
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345													1.27		1.27
285-315							0.64	1.27	0.64	1.91	0.64	0.64			5.73
255-285						0.64	0.64	5.73	1.91	5.10					14.01
225-255				0.64		0.64	1.27	10.19	21.02	3.82	1.27				38.85
195-225						0.64	5.10	10.19	12.74	0.64					29.30
165-195						0.64	8.28	1.27	0.64						10.83
135-165															
105-135															
75-105															
45-75															
15-45															
345-15															
						0.64	2.55	15.29	23.57	40.76	8.28	7.01	1.91		100.00
	21 m/s ≤ U ₁₀ < 23 m/s														Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 10m

21 m/s ≤ U₁₀ < 23 m/s

		H _s (m)																
		0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	>7.0		
Wind direction (° N)	315-345													3.85			3.85	
	285-315											1.92	1.92				3.85	
	255-285										5.77	1.92	1.92	1.92			11.54	
	225-255										15.38	28.85	7.69				51.92	
	195-225										11.54	11.54					23.08	
	165-195										5.77						5.77	
	135-165																	
	105-135																	
	75-105																	
	45-75																	
	15-45																	
	345-15																	
											38.46	44.23	11.54	5.77		100.00		
23 m/s ≤ U ₁₀ < 25 m/s																Total		

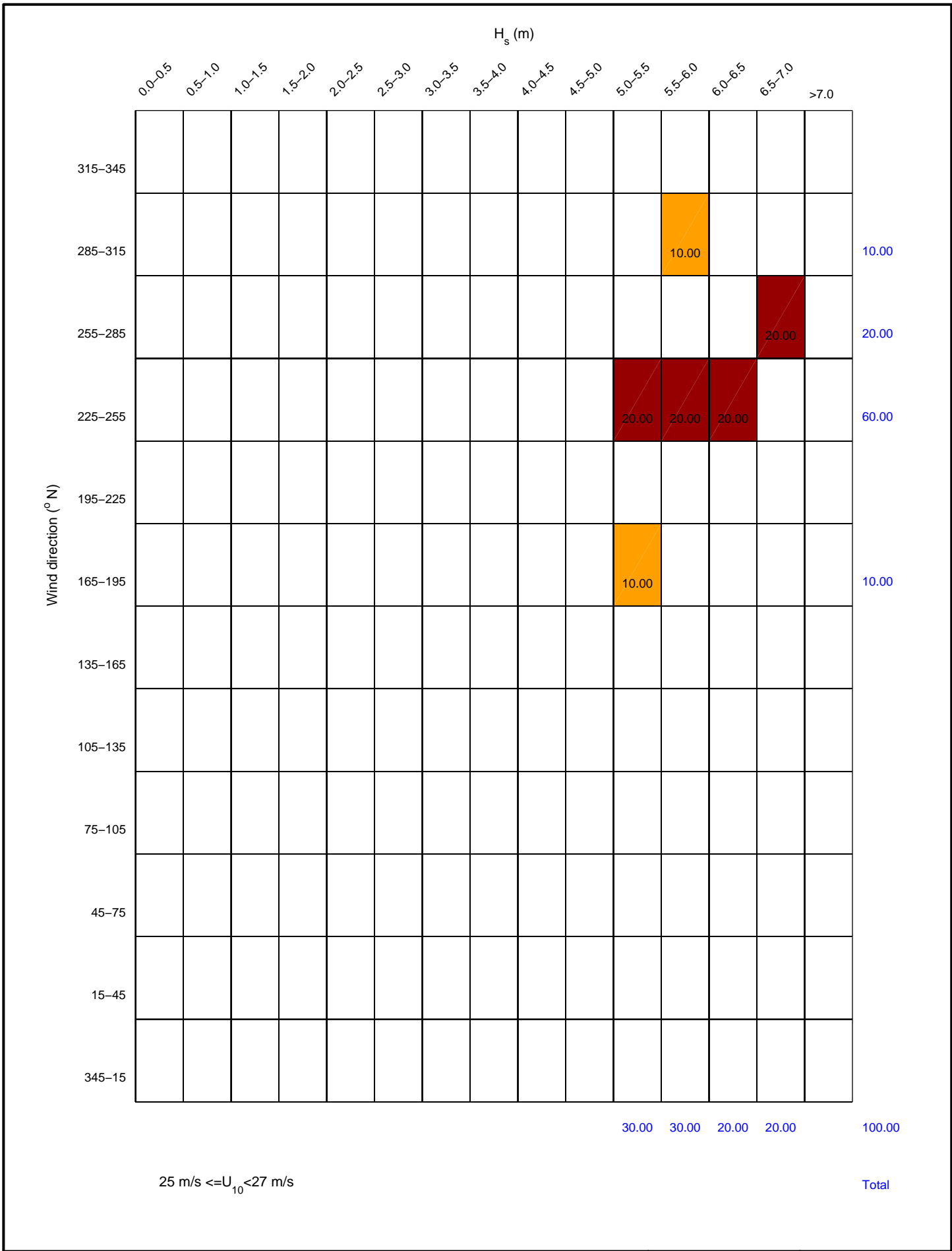
Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 10m

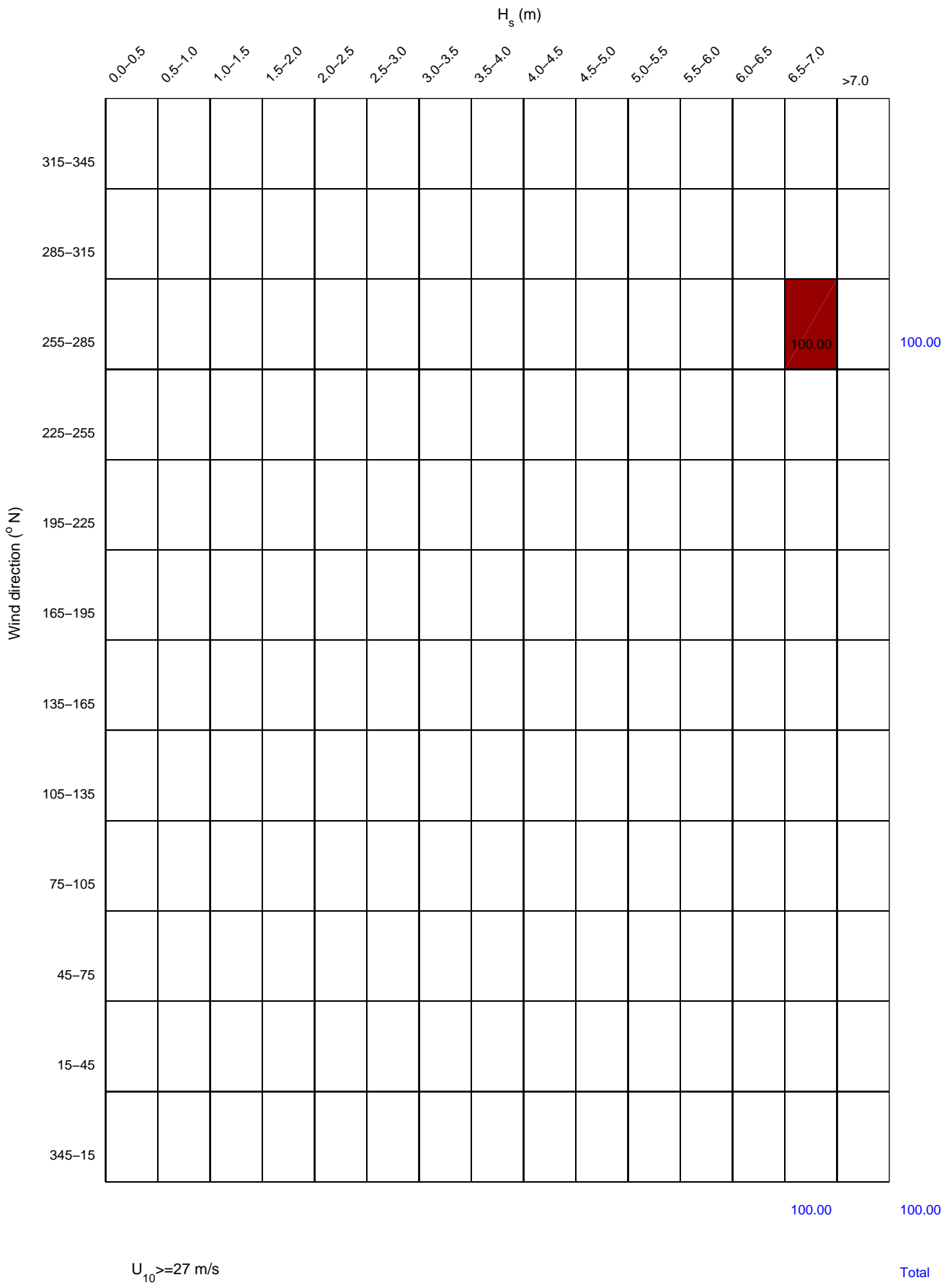
23 m/s ≤ U₁₀ < 25 m/s

Deltares

App. B.2.013



Joint Occurrence table of wind direction vs. wave height Nautical convention: coming from, clockwise from North	Height: 10m	
	$25 \text{ m/s} \leq U_{10} < 27 \text{ m/s}$	
Deltares		App. B.2.014



Joint Occurrence table of wind direction vs. wave height Nautical convention: coming from, clockwise from North	Height: 10m	
	$U_{10} \geq 27$ m/s	
Deltares		App. B.2.015

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	
315-345	0.37	1.19	1.30	0.91	0.65	0.37	0.24	0.15	0.09	0.05	0.02	0.02	0.01		5.37
285-315	0.50	1.55	1.82	1.09	0.71	0.39	0.23	0.14	0.10	0.03	0.01	0.01	0.00		6.58
255-285	0.85	2.18	2.37	1.48	0.97	0.56	0.33	0.19	0.08	0.05	0.01	0.01	0.00	0.00	9.07
225-255	1.65	5.80	5.20	3.02	1.99	1.24	0.81	0.43	0.16	0.07	0.02	0.00	0.00		20.39
195-225	1.42	4.36	3.35	1.95	1.24	0.66	0.31	0.14	0.04	0.02	0.00				13.50
165-195	1.37	3.68	2.42	1.30	0.58	0.25	0.10	0.03	0.01	0.00					9.75
135-165	1.23	2.64	0.97	0.26	0.07	0.03	0.00								5.19
105-135	1.16	2.36	0.70	0.18	0.03	0.01	0.01								4.45
75-105	1.15	2.99	1.22	0.46	0.21	0.07	0.01								6.10
45-75	1.36	3.58	2.00	0.75	0.35	0.10	0.02	0.01							8.16
15-45	0.77	2.89	2.51	0.97	0.44	0.15	0.07	0.02	0.00	0.01	0.00				7.84
345-15	0.23	0.86	0.98	0.71	0.39	0.21	0.13	0.06	0.02	0.01	0.00				3.60
	12.05	34.08	24.84	13.08	7.63	4.04	2.26	1.17	0.50	0.23	0.07	0.04	0.01	0.00	100.00
All year															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

All Year

Deltares

App. B.2.016

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.69	1.76	0.46	0.07												3.98
285-315	2.50	2.77	0.59	0.07												5.93
255-285	4.02	3.74	0.93	0.11		0.01										8.80
225-255	5.19	5.40	1.14	0.20	0.01	0.01										11.94
195-225	4.96	5.78	1.28	0.08	0.03											12.13
165-195	5.93	6.27	1.22	0.17												13.58
135-165	4.62	3.90	0.59	0.08												9.19
105-135	3.37	3.20	0.53	0.03												7.13
75-105	3.93	3.84	0.74	0.08												8.58
45-75	3.87	4.89	1.18	0.11	0.01											10.06
15-45	2.47	3.56	0.77	0.08												6.88
345-15	0.69	0.88	0.21	0.01	0.01											1.80
	43.24	46.00	9.62	1.08	0.05	0.02										100.00
	1 m/s ≤ U ₇₀ < 3 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

1 m/s ≤ U₇₀ < 3 m/s

Deltares

App. B.2.017

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.34	3.01	1.22	0.25	0.01											5.83
285-315	1.86	3.69	1.42	0.29	0.03											7.29
255-285	2.86	4.65	1.68	0.31	0.03	0.00										9.54
225-255	4.41	6.96	1.73	0.23	0.01											13.34
195-225	3.77	5.17	1.27	0.14	0.00											10.35
165-195	3.81	5.15	1.40	0.18	0.01											10.56
135-165	2.82	3.33	0.42	0.04												6.61
105-135	2.86	3.39	0.34	0.02												6.61
75-105	2.87	4.32	0.55	0.03												7.77
45-75	3.52	5.47	1.16	0.07												10.22
15-45	2.46	4.86	1.65	0.12	0.00											9.09
345-15	0.77	1.43	0.55	0.05	0.01											2.80
	33.34	51.43	13.40	1.71	0.11	0.00										100.00
	3 m/s ≤ U ₇₀ < 5 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

3 m/s ≤ U₇₀ < 5 m/s

Deltares

App. B.2.018

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.42	2.47	2.30	0.70	0.07											5.96
285-315	0.40	3.15	2.59	0.77	0.14			0.00								7.07
255-285	0.94	4.22	2.42	0.55	0.06	0.00										8.20
225-255	3.13	9.30	2.62	0.23	0.01											15.29
195-225	2.36	6.55	1.37	0.12	0.01											10.42
165-195	1.57	5.17	1.70	0.44	0.07											8.94
135-165	1.94	4.00	0.51	0.03												6.47
105-135	1.90	3.93	0.40	0.01	0.00											6.25
75-105	1.69	5.52	0.69	0.03												7.92
45-75	2.50	5.92	1.56	0.10	0.01											10.08
15-45	1.34	5.08	2.72	0.24	0.01											9.39
345-15	0.31	1.82	1.46	0.40	0.02											4.01
	18.51	57.12	20.33	3.62	0.42	0.00		0.00								100.00
	5 m/s ≤ U ₇₀ < 7 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

5 m/s ≤ U₇₀ < 7 m/s

Deltares

App. B.2.019

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.09	1.34	2.47	1.27	0.32	0.02										5.51
285-315	0.06	1.75	3.60	1.33	0.43	0.03	0.00									7.21
255-285	0.15	2.83	3.98	1.07	0.15	0.02										8.22
225-255	0.98	10.18	5.75	0.61	0.04	0.01										17.55
195-225	0.81	6.93	2.78	0.12	0.01											10.65
165-195	0.83	5.57	2.33	0.93	0.13	0.03										9.82
135-165	0.76	3.83	0.70	0.04	0.01											5.34
105-135	0.98	3.66	0.60	0.04												5.28
75-105	0.90	4.47	1.55	0.08	0.01											7.01
45-75	1.03	5.46	2.71	0.41	0.02											9.62
15-45	0.34	4.37	3.84	0.73	0.06											9.35
345-15	0.10	1.35	1.85	0.98	0.17	0.00										4.45
	7.02	51.75	32.16	7.61	1.34	0.11	0.00									100.00
	7 m/s ≤ U ₇₀ < 9 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

7 m/s ≤ U₇₀ < 9 m/s

Deltares

App. B.2.020

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.01	0.36	1.49	1.94	1.13	0.27	0.03									5.23
285-315		0.42	2.89	2.25	1.00	0.24	0.01									6.82
255-285	0.01	0.84	4.47	2.46	0.72	0.08										8.57
225-255	0.22	6.36	10.74	2.29	0.30	0.03										19.93
195-225	0.24	5.06	5.88	0.54	0.01		0.00									11.74
165-195	0.19	3.90	3.73	0.93	0.31	0.04	0.01									9.11
135-165	0.37	2.97	1.77	0.06	0.01											5.18
105-135	0.38	2.07	1.58	0.09												4.11
75-105	0.42	2.45	3.25	0.43	0.03											6.58
45-75	0.30	3.00	4.31	1.33	0.08											9.02
15-45	0.05	2.37	4.71	1.57	0.25	0.02	0.00									8.97
345-15	0.02	0.55	1.74	1.63	0.71	0.08	0.01									4.74
	2.21	30.36	46.56	15.50	4.56	0.75	0.07									100.00
	9 m/s ≤ U ₇₀ < 11 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

9 m/s ≤ U₇₀ < 11 m/s

Deltares

App. B.2.021

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01	0.63	1.57	2.05	1.01	0.23	0.03								5.53
285-315		0.05	0.79	2.24	1.99	0.77	0.23	0.02								6.09
255-285		0.07	2.28	4.55	2.16	0.42	0.04									9.53
225-255	0.03	1.90	11.76	9.30	1.53	0.10	0.00									24.62
195-225	0.04	1.50	9.05	4.24	0.29	0.02										15.14
165-195	0.03	0.99	5.85	1.93	0.53	0.17	0.01									9.52
135-165	0.06	0.93	2.58	0.57	0.02	0.00										4.16
105-135	0.07	0.69	1.35	0.68	0.01											2.80
75-105	0.04	0.70	1.53	1.82	0.20											4.30
45-75	0.03	1.26	2.57	2.44	0.76	0.02	0.00									7.09
15-45	0.00	0.63	2.81	2.70	0.97	0.13	0.01									7.25
345-15		0.04	0.51	1.45	1.21	0.64	0.11	0.02								3.97
		0.31	8.78	41.71	33.49	11.71	3.28	0.65	0.08							100.00
		11 m/s ≤ U ₇₀ < 13 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

11 m/s ≤ U₇₀ < 13 m/s

Deltares

App. B.2.022

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01	0.04	0.46	1.55	1.63	1.27	0.28	0.05	0.01	0.01					5.32
285-315		0.01	0.09	0.77	2.07	1.87	0.70	0.19	0.02							5.71
255-285			0.28	2.45	4.72	2.05	0.35	0.03								9.88
225-255	0.01	0.37	4.01	12.65	8.96	1.54	0.09	0.02								27.64
195-225		0.31	4.04	11.56	4.09	0.17	0.01									20.19
165-195	0.01	0.14	2.02	5.86	1.14	0.23	0.20	0.02	0.01							9.63
135-165		0.21	0.81	1.42	0.14											2.58
105-135		0.11	0.34	0.68	0.22											1.34
75-105		0.18	0.10	1.61	1.56	0.24										3.69
45-75		0.18	0.62	1.54	2.17	0.35	0.03									4.88
15-45		0.03	0.66	2.17	2.47	0.68	0.11									6.12
345-15			0.01	0.41	0.93	0.90	0.58	0.16	0.01							3.01
	0.02	1.54	13.03	41.56	30.03	9.67	3.34	0.70	0.09	0.01	0.01					100.00
	13 m/s ≤ U ₇₀ < 15 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

13 m/s ≤ U₇₀ < 15 m/s

Deltares

App. B.2.023

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345			0.01	0.06	0.48	1.07	1.38	1.57	0.70	0.13	0.02	0.02	0.01			5.46
285-315				0.11	0.51	1.53	1.73	0.96	0.34	0.02						5.20
255-285			0.07	0.30	2.63	4.91	2.48	0.48	0.03							10.90
225-255		0.02	0.47	5.04	15.29	11.17	2.00	0.11	0.02							34.13
195-225			0.66	5.55	12.44	3.37	0.14	0.02								22.19
165-195		0.08	0.17	3.04	4.53	0.50	0.18	0.08	0.08							8.63
135-165		0.02	0.04	0.63	0.72	0.02										1.43
105-135			0.03	0.33	0.13	0.08	0.02									0.59
75-105				0.18	0.87	0.74	0.02									1.81
45-75		0.01	0.03	0.18	1.16	1.21	0.17	0.01								2.76
15-45			0.02	0.59	1.23	1.31	0.77	0.14	0.01							4.09
345-15				0.02	0.31	0.80	0.90	0.59	0.17							2.80
			0.13	1.51	16.02	40.30	26.71	9.79	3.98	1.35	0.15	0.02	0.02	0.01		100.00
			15 m/s ≤ U ₇₀ < 17 m/s													Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

15 m/s ≤ U₇₀ < 17 m/s

Deltares

App. B.2.024

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345					0.10	0.45	0.97	1.26	1.28	0.89	0.24	0.08				5.28
285-315					0.28	0.69	1.46	1.97	1.02	0.10	0.04					5.56
255-285				0.02	0.53	1.97	5.06	3.43	0.81	0.16	0.02					12.00
225-255			0.04	0.79	6.64	15.11	13.87	2.99	0.28							39.72
195-225			0.04	0.93	6.84	12.31	2.90	0.16	0.02							23.21
165-195		0.02	0.02	0.20	3.47	3.96	0.32	0.08	0.06	0.04						8.18
135-165		0.02		0.04	0.41	0.75	0.04									1.26
105-135					0.22	0.04	0.20									0.47
75-105						0.28	0.28									0.57
45-75				0.06	0.02	0.06	0.26	0.18								0.59
15-45				0.02	0.14	0.26	0.61	0.51	0.12	0.04						1.71
345-15					0.02	0.16	0.47	0.30	0.35	0.12	0.02					1.44
					0.04	0.10	2.07	18.68	36.05	26.46	10.89	3.94	1.36	0.32	0.08	100.00
					17 m/s ≤ U ₇₀ < 19 m/s											Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

17 m/s ≤ U₇₀ < 19 m/s

Deltares

App. B.2.025

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345						0.08	0.45	0.16	0.58	0.82	0.82	0.86	0.04			3.82
285-315					0.16	0.16	0.41	0.86	2.55	0.99	0.25	0.25				5.63
255-285					0.25	0.53	1.85	3.90	2.84	0.70	0.08					10.15
225-255				0.21	1.07	6.25	18.91	15.66	2.26	0.16						44.51
195-225				0.08	1.03	8.22	11.55	3.99	0.37							25.24
165-195				0.04	0.37	4.07	3.04	0.21	0.16	0.08						7.97
135-165					0.08	0.41	0.08									0.58
105-135					0.04	0.04	0.12									0.21
75-105							0.29									0.29
45-75																
15-45							0.04	0.04	0.04	0.49						0.62
345-15							0.25	0.21	0.16	0.25	0.12					0.99
						0.33	3.00	19.77	36.99	25.03	8.96	3.49	1.27	1.11	0.04	100.00
						19 m/s ≤ U ₇₀ < 21 m/s										Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

19 m/s ≤ U₇₀ < 21 m/s

Deltares

App. B.2.026

Wind direction (° N)	H _s (m)																
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0	
315-345							0.11	0.22	0.56	0.45	1.01	0.11			2.46		
285-315				0.11		0.45	0.22	1.56	1.12	0.56	0.89				4.92		
255-285					0.11	0.45	1.90	2.91	3.02	0.56					8.94		
225-255					1.01	7.60	21.23	13.30	4.47	0.22					47.82		
195-225				0.22	2.46	10.50	11.40	3.13	0.11						27.82		
165-195					0.67	3.91	1.68								6.26		
135-165					0.22										0.22		
105-135																	
75-105																	
45-75																	
15-45									0.34	0.22					0.56		
345-15							0.22	0.45	0.22	0.11					1.01		
							0.34	4.47	22.91	36.76	21.56	9.83	2.12	1.90	0.11	100.00	
							21 m/s ≤ U ₇₀ < 23 m/s										Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 70m

21 m/s ≤ U₇₀ < 23 m/s

Deltares

App. B.2.027

Wind direction (° N)	H _s (m)													Total		
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345													1.55		1.55	
285-315						0.31		2.80	2.80	1.86			0.31		8.07	
255-285						0.62	0.62	1.55	7.14	1.86	1.86				13.66	
225-255					0.31	1.55	7.76	22.36	13.04	0.93					45.96	
195-225				0.31		1.86	12.42	7.76	2.80						25.16	
165-195						1.24	4.35								5.59	
135-165																
105-135																
75-105																
45-75																
15-45																
345-15																
						0.31	0.31	5.59	25.16	34.47	25.78	4.66	1.86	1.86	100.00	
						23 m/s ≤ U ₇₀ < 25 m/s										Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 70m

23 m/s ≤ U₇₀ < 25 m/s

Deltares

App. B.2.028

Wind direction (° N)	H _s (m)													Total	
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		>7.0
315-345													0.98		0.98
285-315							0.98					0.98	0.98		2.94
255-285									3.92	1.96	2.94				8.82
225-255				0.98		1.96	1.96	8.82	28.43	8.82	1.96				52.94
195-225							2.94	13.73	11.76						28.43
165-195							5.88								5.88
135-165															
105-135															
75-105															
45-75															
15-45															
345-15															
							0.98	1.96	11.76	22.55	44.12	10.78	5.88	1.96	100.00
	25 m/s ≤ U ₇₀ < 27 m/s													Total	

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 70m

25 m/s ≤ U₇₀ < 27 m/s

		H _s (m)																
		0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	>7.0		
Wind direction (° N)	315-345																	
	285-315										1.61	1.61	3.23	3.23			9.68	
	255-285										1.61		3.23	1.61	6.45		12.90	
	225-255								1.61	1.61	16.13	24.19	9.68	3.23			56.45	
	195-225								1.61		8.06	11.29					20.97	
	165-195																	
	135-165																	
	105-135																	
	75-105																	
	45-75																	
	15-45																	
	345-15																	
									3.23	1.61	27.42	37.10	16.13	8.06	6.45		100.00	
U ₇₀ >= 27 m/s																Total		

Joint Occurrence table of wind direction vs. wave height Nautical convention: coming from, clockwise from North	Height: 70m	
	U ₇₀ >= 27 m/s	
Deltares		App. B.2.030

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345	0.49	1.52	1.53	1.07	0.69	0.39	0.25	0.15	0.09	0.05	0.02	0.02	0.01			6.26
285-315	0.58	1.72	1.95	1.14	0.72	0.40	0.23	0.14	0.10	0.03	0.02	0.01	0.00			7.03
255-285	0.95	2.49	2.64	1.53	1.00	0.56	0.33	0.18	0.08	0.04	0.01	0.01	0.00	0.00		9.83
225-255	1.39	5.38	4.90	2.78	1.83	1.18	0.77	0.41	0.15	0.07	0.02	0.00	0.00			18.88
195-225	1.14	3.75	3.03	1.88	1.21	0.63	0.31	0.15	0.05	0.02	0.00					12.15
165-195	1.11	3.06	1.84	0.98	0.51	0.26	0.10	0.03	0.00	0.00	0.00					7.90
135-165	1.19	2.41	0.86	0.23	0.07	0.03	0.00	0.00								4.80
105-135	1.29	2.52	0.74	0.19	0.04	0.01	0.01									4.79
75-105	1.20	3.19	1.29	0.49	0.22	0.07	0.01									6.47
45-75	1.24	3.34	1.88	0.73	0.35	0.10	0.03	0.01								7.68
15-45	0.90	2.82	2.34	0.93	0.43	0.14	0.06	0.03	0.00	0.01	0.00					7.67
345-15	0.58	1.88	1.83	1.12	0.56	0.27	0.16	0.07	0.03	0.01	0.00	0.00				6.53
	12.05	34.08	24.84	13.08	7.63	4.04	2.26	1.17	0.50	0.23	0.07	0.04	0.01	0.00		100.00
All year																Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

All Year

Deltares

App. B.2.031

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	2.64	3.65	1.07	0.17												7.54
285-315	2.88	3.75	1.21	0.17												8.01
255-285	4.01	4.14	1.01	0.12												9.28
225-255	4.32	4.28	0.87	0.09		0.02										9.58
195-225	3.68	3.95	0.64	0.04												8.32
165-195	3.89	3.31	0.47	0.03												7.70
135-165	3.55	3.01	0.32	0.06	0.02											6.95
105-135	3.96	3.35	0.42	0.10	0.02											7.85
75-105	4.05	3.62	0.70	0.07												8.43
45-75	3.78	4.44	0.74	0.05	0.01											9.02
15-45	3.53	4.33	1.17	0.08												9.12
345-15	2.91	4.12	1.05	0.10	0.01											8.20
	43.21	45.96	9.68	1.08	0.05	0.02										100.00
	1 m/s ≤ U ₈₀ < 3 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

1 m/s ≤ U₈₀ < 3 m/s

Deltares

App. B.2.032

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.58	3.67	1.80	0.41	0.02											7.48
285-315	2.11	4.24	1.87	0.43	0.04											8.68
255-285	3.12	4.99	1.73	0.27	0.02	0.00										10.13
225-255	3.47	5.70	1.41	0.13	0.00											10.71
195-225	3.20	4.40	0.86	0.04	0.00											8.50
165-195	3.14	3.55	0.36	0.01												7.05
135-165	3.09	2.92	0.26	0.03												6.31
105-135	2.99	3.80	0.36	0.01												7.16
75-105	3.02	4.40	0.45	0.04												7.91
45-75	3.09	4.95	0.96	0.07												9.06
15-45	2.74	4.73	1.50	0.08	0.01											9.05
345-15	1.91	3.93	1.89	0.20	0.01											7.94
	33.46	51.27	13.43	1.73	0.11	0.00										100.00
	3 m/s ≤ U ₈₀ < 5 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

3 m/s ≤ U₈₀ < 5 m/s

Deltares

App. B.2.033

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.50	2.88	2.52	0.99	0.12											7.01
285-315	0.50	3.32	2.82	0.83	0.14	0.00		0.00								7.62
255-285	1.31	5.04	2.62	0.47	0.04											9.48
225-255	2.69	8.00	2.26	0.20	0.01											13.15
195-225	2.00	5.88	1.31	0.06												9.25
165-195	1.48	4.13	0.47	0.05												6.13
135-165	1.93	3.84	0.40	0.01												6.18
105-135	2.16	4.09	0.46	0.01	0.00											6.71
75-105	1.77	5.95	0.81	0.04												8.57
45-75	2.30	5.44	1.30	0.10	0.01											9.14
15-45	1.49	4.80	2.37	0.24	0.02											8.92
345-15	0.58	3.51	3.04	0.64	0.07											7.84
	18.70	56.88	20.37	3.63	0.41	0.00		0.00								100.00
	5 m/s ≤ U ₈₀ < 7 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

5 m/s ≤ U₈₀ < 7 m/s

Deltares

App. B.2.034

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.10	1.59	2.83	1.47	0.34	0.03										6.36
285-315	0.08	1.81	3.63	1.34	0.38	0.04	0.00									7.29
255-285	0.27	3.53	4.56	1.05	0.13	0.01										9.56
225-255	0.97	9.77	5.10	0.47	0.03	0.00										16.35
195-225	0.69	6.29	2.50	0.08	0.01											9.57
165-195	0.79	5.05	1.14	0.06	0.00											7.04
135-165	0.97	3.53	0.61	0.01												5.11
105-135	1.13	3.82	0.63	0.02	0.00											5.61
75-105	0.92	4.82	1.61	0.09	0.01											7.46
45-75	0.99	5.14	2.56	0.42	0.02											9.13
15-45	0.32	4.20	3.58	0.56	0.05	0.01										8.72
345-15	0.16	2.33	3.10	1.91	0.30	0.02										7.81
	7.39	51.87	31.85	7.49	1.28	0.11	0.00									100.00
	7 m/s ≤ U ₈₀ < 9 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

7 m/s ≤ U₈₀ < 9 m/s

Deltares

App. B.2.035

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.02	0.43	1.67	2.15	1.22	0.23	0.03									5.75
285-315		0.46	2.86	2.23	1.03	0.28	0.01									6.87
255-285	0.03	0.99	4.89	2.58	0.69	0.05										9.23
225-255	0.30	6.76	9.97	1.87	0.20	0.01										19.11
195-225	0.20	4.59	5.36	0.48	0.03											10.65
165-195	0.28	4.18	3.06	0.15												7.67
135-165	0.41	2.87	1.53	0.05												4.87
105-135	0.51	2.30	1.59	0.08	0.00											4.49
75-105	0.50	2.92	3.40	0.41	0.04											7.27
45-75	0.28	3.04	4.26	1.26	0.06											8.91
15-45	0.05	2.30	4.20	1.45	0.21	0.01	0.00									8.23
345-15	0.01	0.85	2.62	2.33	1.02	0.13	0.02									6.98
	2.59	31.70	45.40	15.04	4.50	0.71	0.06									100.00
	9 m/s ≤ U ₈₀ < 11 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

9 m/s ≤ U₈₀ < 11 m/s

Deltares

App. B.2.036

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.02	0.69	1.68	2.07	0.94	0.23	0.04								5.67
285-315		0.10	0.89	2.35	1.92	0.75	0.18	0.02								6.20
255-285		0.12	2.89	4.57	2.16	0.36	0.04									10.14
225-255	0.05	2.45	11.56	8.05	1.23	0.08										23.42
195-225	0.01	1.31	8.31	3.88	0.24	0.01										13.76
165-195	0.07	1.39	6.16	1.33	0.06	0.00										9.01
135-165	0.09	1.08	2.51	0.46												4.13
105-135	0.11	0.93	1.51	0.67	0.02											3.23
75-105	0.08	1.04	1.82	1.83	0.21											4.97
45-75	0.04	1.37	2.52	2.31	0.71	0.03	0.00									6.98
15-45		0.66	2.81	2.59	0.92	0.11	0.01									7.10
345-15	0.01	0.11	0.82	1.97	1.55	0.81	0.12	0.00								5.39
	0.45	10.57	42.49	31.67	11.09	3.10	0.58	0.06								100.00
	11 m/s ≤ U ₈₀ < 13 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

11 m/s ≤ U₈₀ < 13 m/s

Deltares

App. B.2.037

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01	0.05	0.55	1.62	1.75	1.22	0.26	0.04	0.01						5.51
285-315		0.01	0.11	0.83	2.15	1.71	0.69	0.19	0.02							5.71
255-285			0.42	2.88	4.72	1.92	0.31	0.01								10.27
225-255	0.01	0.63	4.69	12.14	7.59	1.15	0.07	0.02								26.30
195-225		0.26	3.91	10.89	3.50	0.14	0.01									18.71
165-195	0.01	0.24	2.71	6.10	0.70	0.02	0.01									9.78
135-165	0.01	0.33	0.97	1.30	0.09											2.69
105-135	0.01	0.22	0.47	0.74	0.22											1.67
75-105		0.33	0.22	1.78	1.58	0.23										4.14
45-75		0.34	0.90	1.57	2.10	0.32	0.03									5.26
15-45	0.01	0.07	0.80	2.23	2.25	0.57	0.10	0.03								6.05
345-15			0.02	0.63	1.38	1.02	0.71	0.15	0.02							3.93
		0.03	2.43	15.26	41.64	27.90	8.84	3.14	0.67	0.08	0.01					100.00
		13 m/s ≤ U ₈₀ < 15 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

13 m/s ≤ U₈₀ < 15 m/s

Deltares

App. B.2.038

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345				0.06	0.39	1.20	1.40	1.40	0.59	0.10	0.03		0.01			5.19
285-315			0.01	0.12	0.65	1.55	1.72	0.86	0.33	0.01						5.26
255-285			0.05	0.39	3.11	4.80	2.16	0.33	0.03							10.88
225-255		0.07	0.70	5.31	14.37	9.79	1.52	0.06	0.01							31.84
195-225		0.01	0.82	6.02	11.52	2.71	0.10	0.02								21.20
165-195		0.06	0.28	4.40	5.25	0.42	0.03									10.43
135-165		0.04	0.05	0.77	0.76	0.01										1.63
105-135		0.02	0.06	0.35	0.16	0.09	0.01									0.69
75-105			0.02	0.27	0.88	0.79	0.02									1.98
45-75		0.01	0.14	0.20	1.27	1.30	0.26	0.01								3.18
15-45			0.07	0.82	1.27	1.22	0.61	0.12								4.11
345-15				0.04	0.47	1.01	1.14	0.68	0.24			0.02				3.61
		0.22	2.21	18.75	40.08	24.89	8.97	3.49	1.20	0.11	0.03	0.02	0.01			100.00
		15 m/s ≤ U ₈₀ < 17 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

15 m/s ≤ U₈₀ < 17 m/s

Deltares

App. B.2.039

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345					0.14	0.44	0.91	1.39	1.29	0.83	0.21	0.08				5.30
285-315					0.29	0.68	1.58	1.89	0.97	0.15	0.06					5.62
255-285		0.02	0.02	0.02	0.68	2.53	5.10	3.23	0.66	0.12						12.37
225-255			0.10	0.93	6.59	14.80	11.77	2.15	0.12							36.45
195-225		0.02	0.08	1.02	7.79	11.13	2.34	0.06	0.02							22.46
165-195			0.10	0.43	5.10	4.75	0.27	0.02								10.67
135-165				0.10	0.58	0.73										1.41
105-135				0.02	0.21	0.08	0.19									0.50
75-105						0.29	0.27									0.56
45-75				0.08	0.04	0.06	0.33	0.21								0.72
15-45				0.02	0.23	0.35	0.66	0.54	0.14	0.02						1.95
345-15					0.04	0.31	0.58	0.44	0.43	0.17	0.02					1.99
		0.04	0.29	2.61	21.69	36.16	24.00	9.93	3.61	1.29	0.29	0.08				100.00
	17 m/s ≤ U ₈₀ < 19 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

17 m/s ≤ U₈₀ < 19 m/s

Deltares

App. B.2.040

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345					0.04	0.15	0.54	0.23	0.69	0.69	0.65	0.61	0.04			3.65
285-315					0.19	0.23	0.38	1.11	2.46	0.96	0.35	0.19				5.88
255-285					0.15	0.54	1.96	3.88	2.46	0.50						9.49
225-255		0.04	0.23	1.19	6.88	19.13	13.64	1.88	0.15							43.14
195-225			0.08	1.31	8.26	10.91	3.53	0.23								24.32
165-195			0.08	0.88	5.72	3.34	0.19									10.22
135-165				0.12	0.50	0.08										0.69
105-135				0.08	0.04	0.12										0.23
75-105					0.04	0.31										0.35
45-75																
15-45						0.12	0.04	0.04	0.50							0.69
345-15					0.08	0.23	0.23	0.31	0.35	0.12	0.04					1.34
					0.04	0.38	3.96	22.44	37.11	22.86	8.07	3.15	1.11	0.85	0.04	100.00
	19 m/s ≤ U ₈₀ < 21 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

19 m/s ≤ U₈₀ < 21 m/s

Deltares

App. B.2.041

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345							0.10	0.19	0.39	0.58	0.48	0.77				2.51
285-315					0.10	0.10	0.58	0.39	1.35	0.97	0.77	0.97				5.22
255-285					0.10		0.39	2.03	2.80	3.09	0.39					8.79
225-255						0.97	7.54	20.77	11.30	3.19	0.19					43.96
195-225					0.10	2.22	11.59	10.63	2.80	0.10						27.44
165-195					0.29	1.64	5.70	2.13	0.10							9.86
135-165						0.19	0.10									0.29
105-135																
75-105																
45-75																
15-45										0.29	0.19					0.48
345-15								0.19	0.39	0.39	0.10	0.39				1.45
						0.58	5.12	25.99	36.33	19.13	8.60	2.13	2.13			100.00
						21 m/s ≤ U ₈₀ < 23 m/s										Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

21 m/s ≤ U₈₀ < 23 m/s

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345								0.56	0.28				1.67		2.50
285-315						0.28		2.50	2.22	1.67		0.28			6.94
255-285						0.56	0.28	1.11	5.28	1.67	1.39				10.28
225-255						1.39	8.61	22.22	11.67	0.83					44.72
195-225				0.28	0.56	2.50	13.33	7.22	2.22						26.11
165-195						2.50	6.39	0.28							9.17
135-165							0.28								0.28
105-135															
75-105															
45-75															
15-45															
345-15															
						0.28	0.56	7.22	28.89	33.89	21.67	4.17	1.39	1.94	100.00
	23 m/s ≤ U ₈₀ < 25 m/s														Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 80m

23 m/s ≤ U₈₀ < 25 m/s

Wind direction (° N)	H _s (m)													Total	
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345													0.84		0.84
285-315							0.84	0.84				0.84	0.84		3.36
255-285								0.84	4.20	0.84		2.52			8.40
225-255				0.84		0.84	1.68	9.24	28.57	5.04	0.84				47.06
195-225						0.84	5.04	13.45	10.92	0.84					31.09
165-195							6.72	1.68	0.84						9.24
135-165															
105-135															
75-105															
45-75															
15-45															
345-15															
						0.84	1.68	14.29	26.05	44.54	6.72	4.20	1.68		100.00
	25 m/s ≤ U ₈₀ < 27 m/s													Total	

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 80m

25 m/s ≤ U₈₀ < 27 m/s

Wind direction (° N)	H _s (m)													Total	
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345													2.78		2.78
285-315											1.39	2.78			4.17
255-285									2.78	1.39	4.17	1.39	5.56		15.28
225-255							1.39	1.39	11.11	23.61	9.72	2.78			50.00
195-225							1.39	2.78	9.72	8.33					22.22
165-195									4.17	1.39					5.56
135-165															
105-135															
75-105															
45-75															
15-45															
345-15															
															2.78
															4.17
															27.78
															36.11
															16.67
															6.94
															5.56
															100.00

U₈₀ >= 27 m/s

Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 80m

U₈₀ >= 27 m/s

Deltares

App. B.2.045

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345	0.50	1.53	1.53	1.07	0.69	0.39	0.25	0.15	0.09	0.05	0.02	0.02	0.01			6.29
285-315	0.59	1.72	1.95	1.14	0.72	0.40	0.23	0.14	0.10	0.03	0.02	0.01	0.00			7.05
255-285	0.97	2.52	2.65	1.54	1.00	0.57	0.33	0.18	0.08	0.04	0.01	0.01	0.00	0.00		9.90
225-255	1.41	5.42	4.91	2.78	1.83	1.18	0.77	0.41	0.15	0.07	0.02	0.00	0.00			18.96
195-225	1.14	3.73	3.02	1.88	1.20	0.62	0.31	0.15	0.05	0.02	0.00					12.12
165-195	1.13	3.03	1.82	0.97	0.51	0.26	0.10	0.03	0.00	0.00	0.00					7.86
135-165	1.20	2.43	0.86	0.23	0.07	0.03	0.00	0.00								4.83
105-135	1.29	2.51	0.74	0.19	0.04	0.01	0.01									4.79
75-105	1.18	3.20	1.30	0.49	0.22	0.07	0.01									6.46
45-75	1.21	3.31	1.89	0.73	0.35	0.10	0.03	0.01								7.63
15-45	0.88	2.80	2.32	0.93	0.43	0.14	0.06	0.03	0.00	0.01	0.00					7.60
345-15	0.58	1.86	1.83	1.13	0.56	0.27	0.16	0.07	0.03	0.01	0.00	0.00				6.51
	12.05	34.08	24.84	13.08	7.63	4.04	2.26	1.17	0.50	0.23	0.07	0.04	0.01	0.00		100.00
All year																Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

All Year

Deltares

App. B.2.046

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	2.70	3.61	1.07	0.17												7.56
285-315	2.93	3.79	1.19	0.17												8.08
255-285	4.05	4.21	1.02	0.12												9.40
225-255	4.24	4.21	0.88	0.09		0.02										9.43
195-225	3.67	4.02	0.64	0.04												8.37
165-195	3.90	3.27	0.45	0.03												7.65
135-165	3.59	3.06	0.32	0.06	0.02											7.05
105-135	3.98	3.26	0.43	0.10	0.02											7.79
75-105	3.95	3.63	0.71	0.07												8.36
45-75	3.74	4.42	0.75	0.05	0.01											8.97
15-45	3.57	4.25	1.17	0.09												9.08
345-15	2.98	4.13	1.03	0.10	0.01											8.25
	43.30	45.88	9.66	1.09	0.05	0.02										100.00
	1 m/s ≤ U ₉₀ < 3 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

1 m/s ≤ U₉₀ < 3 m/s

Deltares

App. B.2.047

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.62	3.72	1.81	0.42	0.02											7.60
285-315	2.12	4.23	1.85	0.43	0.04											8.67
255-285	3.14	5.01	1.73	0.27	0.02	0.00										10.17
225-255	3.53	5.62	1.42	0.12	0.00											10.70
195-225	3.16	4.35	0.84	0.04	0.00											8.40
165-195	3.12	3.49	0.34	0.01												6.97
135-165	3.06	2.96	0.27	0.03												6.31
105-135	3.04	3.86	0.38	0.01												7.29
75-105	3.02	4.36	0.44	0.04												7.86
45-75	3.05	4.94	0.97	0.07												9.03
15-45	2.76	4.75	1.48	0.09	0.01											9.08
345-15	1.85	3.92	1.93	0.20	0.01											7.91
	33.47	51.22	13.46	1.73	0.11	0.00										100.00
	3 m/s ≤ U ₉₀ < 5 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

3 m/s ≤ U₉₀ < 5 m/s

Deltares

App. B.2.048

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.50	2.90	2.55	0.96	0.11											7.03
285-315	0.57	3.40	2.84	0.84	0.14	0.00		0.00								7.79
255-285	1.40	5.06	2.62	0.48	0.04											9.59
225-255	2.69	7.95	2.21	0.21	0.01											13.06
195-225	1.99	5.66	1.30	0.06												9.01
165-195	1.53	4.08	0.48	0.05												6.13
135-165	1.98	3.85	0.40	0.01												6.23
105-135	2.14	4.09	0.46	0.01	0.00											6.71
75-105	1.76	5.96	0.81	0.05												8.58
45-75	2.30	5.37	1.30	0.10	0.01											9.09
15-45	1.41	4.82	2.40	0.24	0.02											8.89
345-15	0.59	3.51	3.08	0.64	0.07											7.89
	18.85	56.65	20.44	3.64	0.41	0.00		0.00								100.00
	5 m/s ≤ U ₉₀ < 7 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

5 m/s ≤ U₉₀ < 7 m/s

Deltares

App. B.2.049

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.11	1.65	2.88	1.50	0.35	0.03										6.52
285-315	0.10	1.85	3.69	1.35	0.40	0.04	0.00									7.43
255-285	0.32	3.68	4.58	1.01	0.12	0.01										9.74
225-255	1.05	9.77	4.96	0.44	0.03	0.00										16.26
195-225	0.75	6.30	2.38	0.08	0.00											9.51
165-195	0.86	4.91	1.10	0.05	0.00											6.92
135-165	1.04	3.48	0.58	0.01												5.11
105-135	1.13	3.79	0.63	0.02	0.00											5.58
75-105	0.90	4.80	1.57	0.10	0.01											7.37
45-75	0.96	5.14	2.54	0.42	0.02											9.09
15-45	0.32	4.12	3.57	0.55	0.05	0.01										8.63
345-15	0.17	2.33	3.12	1.91	0.30	0.02										7.85
	7.71	51.82	31.61	7.46	1.29	0.11	0.00									100.00
	7 m/s ≤ U ₉₀ < 9 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

7 m/s ≤ U₉₀ < 9 m/s

Deltares

App. B.2.050

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.03	0.47	1.70	2.12	1.20	0.23	0.03									5.77
285-315		0.50	2.86	2.20	0.98	0.28	0.01									6.83
255-285	0.05	1.15	4.85	2.53	0.67	0.05										9.29
225-255	0.38	7.16	9.64	1.79	0.18	0.01										19.16
195-225	0.23	4.70	5.20	0.43	0.03											10.59
165-195	0.33	4.30	2.87	0.15												7.64
135-165	0.45	2.96	1.48	0.05												4.94
105-135	0.53	2.31	1.52	0.08	0.00											4.44
75-105	0.48	3.07	3.42	0.39	0.04											7.41
45-75	0.29	3.06	4.23	1.19	0.06											8.84
15-45	0.05	2.28	4.11	1.43	0.20	0.01	0.00									8.08
345-15	0.02	0.87	2.63	2.36	1.00	0.12	0.01									7.02
	2.83	32.84	44.52	14.71	4.36	0.68	0.06									100.00
	9 m/s ≤ U ₉₀ < 11 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

9 m/s ≤ U₉₀ < 11 m/s

Deltares

App. B.2.051

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.04	0.72	1.74	2.04	0.89	0.20	0.04								5.66
285-315		0.11	1.00	2.30	1.89	0.72	0.17	0.02								6.21
255-285		0.19	3.13	4.44	2.05	0.32	0.03									10.16
225-255	0.07	2.87	11.67	7.40	1.13	0.08										23.22
195-225	0.02	1.59	8.28	3.53	0.21	0.01										13.64
165-195	0.09	1.56	5.99	1.16	0.04	0.00										8.84
135-165	0.12	1.23	2.43	0.40												4.18
105-135	0.16	1.03	1.55	0.65	0.02											3.41
75-105	0.14	1.20	1.85	1.79	0.18											5.16
45-75	0.02	1.39	2.53	2.32	0.69	0.02	0.00									6.97
15-45		0.83	2.85	2.48	0.87	0.11	0.01									7.15
345-15	0.01	0.11	0.87	1.96	1.54	0.78	0.12	0.00								5.39
	0.63	12.16	42.85	30.16	10.67	2.94	0.54	0.06								100.00
	11 m/s ≤ U ₉₀ < 13 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

11 m/s ≤ U₉₀ < 13 m/s

Deltares

App. B.2.052

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01	0.05	0.57	1.63	1.74	1.21	0.23	0.03	0.01						5.49
285-315		0.02	0.14	0.94	2.12	1.67	0.65	0.19	0.02							5.74
255-285			0.49	3.13	4.60	1.79	0.28	0.01								10.30
225-255	0.01	0.84	5.45	12.11	6.75	0.93	0.06	0.01								26.15
195-225		0.35	4.19	10.55	2.89	0.12	0.01									18.10
165-195	0.03	0.35	3.05	5.69	0.63	0.01	0.01									9.76
135-165	0.02	0.42	1.16	1.29	0.09											2.99
105-135	0.01	0.39	0.52	0.72	0.22											1.86
75-105		0.44	0.30	1.78	1.51	0.23										4.26
45-75	0.01	0.45	1.09	1.59	1.99	0.29	0.03									5.45
15-45	0.01	0.12	0.88	2.30	2.12	0.53	0.10	0.01								6.06
345-15		0.01	0.02	0.65	1.38	0.98	0.66	0.13	0.01							3.83
	0.07	3.40	17.35	41.33	25.93	8.28	2.99	0.58	0.06	0.01						100.00
	13 m/s ≤ U ₉₀ < 15 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

13 m/s ≤ U₉₀ < 15 m/s

Deltares

App. B.2.053

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345				0.08	0.44	1.21	1.35	1.30	0.57	0.09	0.03		0.01		5.09
285-315			0.01	0.14	0.73	1.49	1.67	0.78	0.31	0.01					5.15
255-285			0.07	0.50	3.24	4.70	1.90	0.31	0.02						10.74
225-255	0.01	0.09	1.00	6.14	14.47	8.70	1.22	0.06	0.01						31.70
195-225		0.07	1.09	6.61	11.11	2.26	0.08	0.01							21.24
165-195		0.09	0.43	4.87	4.58	0.36	0.01								10.35
135-165		0.06	0.06	0.80	0.67	0.01									1.61
105-135		0.02	0.07	0.40	0.15	0.06	0.01								0.72
75-105		0.03	0.03	0.28	0.95	0.76	0.02								2.07
45-75		0.03	0.29	0.29	1.35	1.27	0.23	0.01							3.47
15-45			0.11	0.83	1.41	1.18	0.55	0.12							4.20
345-15				0.06	0.52	1.07	1.10	0.67	0.23			0.01			3.66
	0.01	0.40	3.18	21.01	39.63	23.07	8.14	3.27	1.13	0.10	0.03	0.01	0.01		100.00
	15 m/s ≤ U ₉₀ < 17 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

15 m/s ≤ U₉₀ < 17 m/s

Deltares

App. B.2.054

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345					0.17	0.48	0.91	1.52	1.20	0.76	0.20	0.07				5.31
285-315					0.24	0.74	1.53	1.78	0.92	0.15	0.06					5.42
255-285		0.02	0.02	0.02	0.80	2.81	5.12	2.79	0.55	0.09						12.22
225-255			0.11	1.35	7.69	15.20	10.37	1.65	0.09							36.46
195-225		0.02	0.11	1.35	8.86	10.21	1.66	0.06	0.02							22.28
165-195		0.02	0.09	0.43	5.71	4.16	0.22									10.63
135-165		0.04	0.02	0.11	0.63	0.65										1.44
105-135				0.02	0.20	0.11	0.17									0.50
75-105					0.04	0.30	0.26									0.59
45-75				0.06	0.06	0.11	0.35	0.20								0.78
15-45				0.17	0.30	0.43	0.70	0.55	0.13							2.27
345-15					0.04	0.31	0.67	0.44	0.43	0.17	0.02	0.02				2.09
		0.09	0.35	3.49	24.72	35.50	21.97	8.99	3.35	1.16	0.28	0.09				100.00
	17 m/s ≤ U ₉₀ < 19 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

17 m/s ≤ U₉₀ < 19 m/s

Deltares

App. B.2.055

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345					0.04	0.18	0.57	0.22	0.72	0.65	0.61	0.54	0.04			3.55
285-315					0.22	0.29	0.50	1.29	2.19	0.86	0.22	0.14				5.71
255-285					0.14	0.72	2.26	4.06	2.30	0.50						9.98
225-255			0.04	0.25	1.58	8.08	19.61	12.35	1.40	0.07						43.38
195-225				0.11	1.65	9.59	10.13	2.66	0.07							24.20
165-195				0.14	1.01	6.00	2.62	0.22								9.98
135-165					0.11	0.54	0.07									0.72
105-135					0.07	0.04	0.14									0.25
75-105						0.04	0.29									0.32
45-75				0.04												0.04
15-45							0.11	0.04	0.04	0.47						0.65
345-15						0.07	0.18	0.25	0.25	0.32	0.11	0.04				1.22
					0.04	0.54	4.81	25.53	36.48	21.08	6.97	2.87	0.93	0.72	0.04	100.00
	19 m/s ≤ U ₉₀ < 21 m/s															Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 90m

19 m/s ≤ U₉₀ < 21 m/s

Deltares

App. B.2.056

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345							0.09	0.17	0.43	0.68	0.43	0.77				2.57
285-315					0.17	0.09	0.60	0.34	1.45	0.86	0.94	0.86				5.30
255-285					0.09		0.34	2.14	2.91	2.65	0.34					8.47
225-255					0.09	1.11	9.15	20.27	9.50	2.22	0.17					42.51
195-225					0.17	2.74	12.57	10.27	2.65							28.40
165-195					0.43	1.97	6.33	1.63	0.09							10.44
135-165						0.17	0.09									0.26
105-135																
75-105																
45-75																
15-45										0.34	0.17					0.51
345-15							0.09	0.17	0.51	0.34	0.09	0.34				1.54
							0.94	6.07	29.26	34.99	17.54	7.10	2.14	1.97		100.00
							21 m/s ≤ U ₉₀ < 23 m/s									Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

21 m/s ≤ U₉₀ < 23 m/s

Deltares

App. B.2.057

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345								0.51	0.25				1.52		2.27
285-315						0.25		2.53	2.27	1.52	0.25	0.25			7.07
255-285						0.51	0.51	1.01	5.30	1.52	1.01				9.85
225-255						2.02	10.86	22.73	11.36	0.76					47.73
195-225				0.25	0.51	3.28	12.88	6.06	1.01						23.99
165-195						2.53	6.06	0.25							8.84
135-165							0.25								0.25
105-135															
75-105															
45-75															
15-45															
345-15															
						0.25	0.51	8.59	30.56	33.08	20.20	3.79	1.26	1.77	100.00
	23 m/s ≤ U ₉₀ < 25 m/s														Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 90m

23 m/s ≤ U₉₀ < 25 m/s

Deltares

App. B.2.058

Wind direction (° N)	H _s (m)													Total	
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345													0.73		0.73
285-315							0.73	0.73				0.73	0.73		2.92
255-285								0.73	2.92	0.73	2.92				7.30
225-255				0.73		0.73	1.46	11.68	23.36	4.38	0.73				43.07
195-225						0.73	8.76	14.60	11.68	0.73					36.50
165-195							7.30	1.46	0.73						9.49
135-165															
105-135															
75-105															
45-75															
15-45															
345-15															
						0.73	1.46	18.25	29.20	38.69	5.84	4.38	1.46		100.00
	25 m/s ≤ U ₉₀ < 27 m/s													Total	

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 90m

25 m/s ≤ U₉₀ < 27 m/s

		H _s (m)																
		0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	>7.0		
Wind direction (° N)	315-345													2.38			2.38	
	285-315											1.19	2.38				3.57	
	255-285									3.57	1.19	3.57	1.19	4.76			14.29	
	225-255							1.19	3.57	17.86	20.24	8.33	2.38				53.57	
	195-225							1.19	2.38	10.71	7.14						21.43	
	165-195									3.57	1.19						4.76	
	135-165																	
	105-135																	
	75-105																	
	45-75																	
	15-45																	
	345-15																	
																2.38 5.95 35.71 30.95 14.29 5.95 4.76 100.00		
		U ₉₀ ≥ 27 m/s														Total		

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 90m

U₉₀ ≥ 27 m/s

Deltares

App. B.2.060

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0
315-345	0.52	1.54	1.54	1.07	0.69	0.39	0.25	0.15	0.09	0.05	0.02	0.02	0.01			6.31
285-315	0.59	1.74	1.95	1.15	0.72	0.40	0.23	0.14	0.10	0.03	0.02	0.01	0.00			7.08
255-285	0.98	2.57	2.67	1.54	1.00	0.57	0.33	0.18	0.08	0.04	0.01	0.01	0.00	0.00		9.97
225-255	1.43	5.45	4.92	2.79	1.83	1.18	0.77	0.41	0.15	0.07	0.02	0.00	0.00			19.03
195-225	1.14	3.71	3.01	1.87	1.20	0.62	0.31	0.15	0.05	0.02	0.00					12.08
165-195	1.14	3.03	1.81	0.97	0.51	0.26	0.10	0.03	0.00	0.00	0.00					7.85
135-165	1.22	2.43	0.86	0.23	0.07	0.03	0.00	0.00								4.84
105-135	1.28	2.51	0.74	0.19	0.04	0.01	0.01									4.77
75-105	1.17	3.20	1.30	0.49	0.22	0.07	0.01									6.46
45-75	1.18	3.31	1.89	0.73	0.35	0.10	0.03	0.01								7.60
15-45	0.85	2.76	2.31	0.93	0.43	0.14	0.06	0.03	0.00	0.01	0.00					7.53
345-15	0.56	1.84	1.83	1.12	0.56	0.28	0.16	0.07	0.03	0.01	0.00	0.00				6.48
	12.05	34.08	24.84	13.08	7.63	4.04	2.26	1.17	0.50	0.23	0.07	0.04	0.01	0.00		100.00
All year																Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

All Year

Deltares

App. B.2.061

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	2.79	3.60	1.10	0.17												7.66
285-315	2.94	3.83	1.17	0.17												8.12
255-285	4.05	4.18	1.04	0.13												9.39
225-255	4.19	4.38	0.86	0.09		0.02										9.54
195-225	3.64	3.92	0.63	0.04												8.23
165-195	4.02	3.26	0.46	0.03												7.77
135-165	3.60	3.04	0.33	0.06	0.02											7.05
105-135	3.88	3.20	0.45	0.10	0.02											7.65
75-105	4.03	3.60	0.70	0.07												8.41
45-75	3.66	4.49	0.74	0.05	0.01											8.96
15-45	3.65	4.18	1.15	0.09												9.06
345-15	2.87	4.14	1.04	0.10	0.01											8.17
	43.31	45.82	9.70	1.10	0.05	0.02										100.00
	1 m/s ≤ U ₁₀₀ < 3 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

1 m/s ≤ U₁₀₀ < 3 m/s

Deltares

App. B.2.062

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.63	3.73	1.83	0.42	0.02											7.63
285-315	2.17	4.19	1.83	0.44	0.04											8.66
255-285	3.22	5.08	1.73	0.27	0.02	0.00										10.33
225-255	3.55	5.58	1.40	0.12	0.00											10.66
195-225	3.10	4.35	0.85	0.04	0.00											8.36
165-195	3.13	3.47	0.34	0.01												6.95
135-165	3.02	2.89	0.24	0.03												6.19
105-135	3.03	3.84	0.38	0.01												7.27
75-105	3.00	4.35	0.46	0.03												7.84
45-75	3.06	5.00	0.98	0.07												9.12
15-45	2.73	4.77	1.51	0.09	0.01											9.11
345-15	1.85	3.90	1.93	0.20	0.01											7.89
	33.51	51.15	13.48	1.73	0.12	0.00										100.00
	3 m/s ≤ U ₁₀₀ < 5 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

3 m/s ≤ U₁₀₀ < 5 m/s

Deltares

App. B.2.063

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.52	2.97	2.57	0.98	0.12											7.15
285-315	0.59	3.44	2.82	0.86	0.14	0.00		0.00								7.86
255-285	1.44	5.10	2.62	0.47	0.05											9.67
225-255	2.66	7.77	2.21	0.21	0.01											12.86
195-225	2.01	5.54	1.29	0.07												8.91
165-195	1.60	4.03	0.50	0.05												6.17
135-165	1.95	3.86	0.39	0.01												6.21
105-135	2.18	4.11	0.46	0.01	0.00											6.76
75-105	1.76	6.02	0.82	0.05												8.64
45-75	2.27	5.38	1.33	0.10	0.01											9.10
15-45	1.32	4.73	2.40	0.24	0.02											8.72
345-15	0.60	3.52	3.09	0.65	0.07											7.93
	18.90	56.48	20.52	3.68	0.41	0.00		0.00								100.00
	5 m/s ≤ U ₁₀₀ < 7 m/s															Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 100m

5 m/s ≤ U₁₀₀ < 7 m/s

Deltares

App. B.2.064

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.12	1.70	2.96	1.50	0.35	0.02										6.66
285-315	0.11	1.95	3.74	1.33	0.40	0.04	0.00									7.58
255-285	0.39	3.91	4.57	1.01	0.11	0.01										10.00
225-255	1.17	9.68	4.81	0.43	0.03	0.00										16.12
195-225	0.81	6.15	2.30	0.08	0.00											9.35
165-195	0.88	4.83	1.05	0.06	0.00											6.82
135-165	1.15	3.47	0.57	0.01												5.21
105-135	1.09	3.75	0.62	0.02	0.00											5.49
75-105	0.91	4.79	1.55	0.10	0.01											7.35
45-75	0.90	5.14	2.52	0.41	0.02											8.99
15-45	0.30	4.11	3.57	0.55	0.05	0.01										8.58
345-15	0.17	2.31	3.14	1.92	0.29	0.02										7.85
	8.01	51.78	31.40	7.42	1.28	0.11	0.00									100.00
	7 m/s ≤ U ₁₀₀ < 9 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

7 m/s ≤ U₁₀₀ < 9 m/s

Deltares

App. B.2.065

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.04	0.51	1.70	2.10	1.17	0.21	0.03									5.75
285-315	0.01	0.55	2.88	2.22	0.94	0.26	0.01									6.88
255-285	0.06	1.24	4.84	2.47	0.64	0.04										9.29
225-255	0.48	7.52	9.46	1.69	0.16	0.01										19.31
195-225	0.27	4.89	4.95	0.39	0.03											10.52
165-195	0.39	4.31	2.69	0.14												7.54
135-165	0.50	2.98	1.44	0.04												4.96
105-135	0.57	2.33	1.50	0.08	0.00											4.48
75-105	0.48	3.08	3.43	0.38	0.04											7.42
45-75	0.31	3.06	4.17	1.17	0.05											8.77
15-45	0.05	2.26	4.08	1.40	0.19	0.01	0.00									7.99
345-15	0.03	0.91	2.71	2.32	0.98	0.11	0.01									7.08
	3.18	33.64	43.86	14.40	4.21	0.65	0.05									100.00
	9 m/s ≤ U ₁₀₀ < 11 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

9 m/s ≤ U₁₀₀ < 11 m/s

Deltares

App. B.2.066

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.05	0.78	1.77	2.01	0.86	0.20	0.04								5.71
285-315		0.14	1.09	2.30	1.87	0.70	0.16	0.01								6.28
255-285		0.28	3.30	4.27	1.95	0.30	0.03									10.13
225-255	0.09	3.27	11.56	6.88	1.00	0.06										22.86
195-225	0.05	1.89	8.16	3.17	0.19	0.01										13.48
165-195	0.10	1.83	5.79	1.01	0.04	0.00										8.77
135-165	0.17	1.39	2.40	0.38												4.34
105-135	0.18	1.23	1.54	0.59	0.02											3.57
75-105	0.17	1.38	1.89	1.72	0.16											5.32
45-75	0.02	1.46	2.51	2.26	0.65	0.02	0.00									6.92
15-45		0.91	2.91	2.38	0.85	0.09	0.01									7.16
345-15	0.01	0.13	0.90	1.99	1.53	0.77	0.11	0.00								5.45
	0.80	13.98	42.86	28.71	10.26	2.83	0.51	0.06								100.00
	11 m/s ≤ U ₁₀₀ < 13 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

11 m/s ≤ U₁₀₀ < 13 m/s

Deltares

App. B.2.067

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01	0.05	0.60	1.65	1.72	1.14	0.20	0.03	0.01						5.39
285-315		0.02	0.20	0.98	2.15	1.60	0.64	0.19	0.02							5.80
255-285		0.02	0.66	3.37	4.36	1.66	0.21	0.01								10.29
225-255	0.01	1.03	6.16	11.90	6.11	0.79	0.04	0.01								26.06
195-225		0.43	4.55	9.99	2.42	0.10	0.01									17.49
165-195	0.04	0.47	3.41	5.30	0.57	0.01	0.01									9.81
135-165	0.04	0.56	1.24	1.20	0.08											3.11
105-135	0.01	0.50	0.57	0.74	0.20											2.02
75-105		0.54	0.38	1.82	1.49	0.20										4.42
45-75	0.01	0.61	1.19	1.63	1.97	0.26	0.02									5.68
15-45	0.01	0.18	0.97	2.34	1.99	0.50	0.08	0.01								6.09
345-15		0.01	0.04	0.71	1.38	0.95	0.61	0.12	0.01							3.84
		0.11	4.37	19.42	40.59	24.36	7.80	2.75	0.54	0.06	0.01					100.00
		13 m/s ≤ U ₁₀₀ < 15 m/s														Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

13 m/s ≤ U₁₀₀ < 15 m/s

Deltares

App. B.2.068

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345				0.10	0.45	1.22	1.33	1.22	0.52	0.07	0.03		0.01			4.93
285-315			0.02	0.18	0.76	1.49	1.57	0.75	0.30	0.01						5.07
255-285			0.09	0.53	3.60	4.59	1.77	0.22	0.02							10.82
225-255	0.01	0.24	1.30	7.07	14.12	7.71	0.96	0.06								31.46
195-225		0.15	1.39	7.32	10.59	1.76	0.05	0.01								21.27
165-195		0.13	0.53	5.21	3.97	0.27	0.01									10.11
135-165		0.12	0.16	0.89	0.61	0.01										1.79
105-135		0.04	0.09	0.44	0.18	0.05	0.01									0.80
75-105		0.09	0.04	0.30	0.94	0.73	0.02									2.12
45-75		0.11	0.48	0.39	1.31	1.26	0.21	0.01								3.75
15-45		0.03	0.15	0.88	1.50	1.14	0.49	0.09								4.27
345-15				0.06	0.54	1.07	1.08	0.63	0.20				0.01			3.60
	0.01	0.90	4.23	23.37	38.56	21.29	7.49	2.99	1.03	0.08	0.03	0.01	0.01			100.00
	15 m/s ≤ U ₁₀₀ < 17 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

15 m/s ≤ U₁₀₀ < 17 m/s

Deltares

App. B.2.069

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345				0.02	0.20	0.50	0.89	1.59	1.19	0.71	0.16	0.07				5.33
285-315					0.23	0.73	1.50	1.64	0.78	0.14	0.05					5.08
255-285		0.02	0.02	0.07	0.82	2.89	5.02	2.57	0.46	0.07						11.94
225-255		0.02	0.11	1.60	8.71	15.16	9.09	1.28	0.09							36.06
195-225		0.02	0.21	1.76	9.57	9.75	1.37	0.05	0.02							22.75
165-195		0.02	0.09	0.61	6.13	3.63	0.18									10.65
135-165		0.04	0.02	0.14	0.68	0.59										1.46
105-135				0.02	0.18	0.11	0.16									0.46
75-105					0.07	0.30	0.23									0.61
45-75				0.05	0.14	0.12	0.37	0.18								0.87
15-45				0.27	0.37	0.52	0.78	0.59	0.12							2.65
345-15					0.05	0.30	0.73	0.43	0.45	0.14	0.02	0.02				2.14
		0.11	0.45	4.54	27.15	34.60	20.33	8.32	3.12	1.07	0.23	0.09				100.00
	17 m/s ≤ U ₁₀₀ < 19 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

17 m/s ≤ U₁₀₀ < 19 m/s

Deltares

App. B.2.070

Wind direction (° N)	H _s (m)																
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0		>7.0	
315-345					0.07	0.17	0.60	0.20	0.60	0.64	0.60	0.47	0.03			3.39	
285-315					0.17	0.37	0.64	1.34	2.21	0.74	0.20	0.13				5.80	
255-285					0.17	0.70	2.42	4.03	2.21	0.50						10.03	
225-255			0.07	0.40	1.91	9.53	19.59	10.87	1.07	0.07						43.51	
195-225				0.23	2.21	9.93	9.09	2.08								23.55	
165-195			0.07	0.17	1.31	6.41	2.11	0.20								10.27	
135-165					0.13	0.57	0.07									0.77	
105-135					0.10	0.07	0.13									0.30	
75-105						0.07	0.30									0.37	
45-75				0.03				0.03								0.07	
15-45							0.13	0.03	0.03	0.44						0.64	
345-15						0.10	0.23	0.30	0.23	0.34	0.10					1.31	
						0.13	0.84	6.07	27.91	35.32	19.09	6.37	2.72	0.91	0.60	0.03	100.00
						19 m/s ≤ U ₁₀₀ < 21 m/s											Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

19 m/s ≤ U₁₀₀ < 21 m/s

Deltares

App. B.2.071

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345								0.68	0.23				1.36		2.27	
285-315						0.23		2.04	2.27	1.36	0.68	0.23			6.80	
255-285						0.45	0.45	1.13	4.99	1.13	0.45				8.62	
225-255						2.27	11.79	21.32	10.66	0.45					46.49	
195-225				0.23	0.68	5.44	14.74	5.90	0.68						27.66	
165-195						2.49	5.22								7.71	
135-165							0.23								0.23	
105-135																
75-105																
45-75																
15-45																
345-15								0.23							0.23	
						0.23	0.68	10.88	32.43	31.29	18.82	2.95	1.13	1.59	100.00	
						23 m/s ≤ U ₁₀₀ < 25 m/s										Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 100m

23 m/s ≤ U₁₀₀ < 25 m/s

Deltares

App. B.2.073

Wind direction (° N)	H _s (m)													Total	
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345													0.61		0.61
285-315							0.61	1.23				0.61	0.61		3.07
255-285								0.61	3.68	1.23	3.07				8.59
225-255				0.61		0.61	2.45	15.95	20.86	3.68	0.61				44.79
195-225						0.61	8.59	15.34	7.98	0.61					33.13
165-195						0.61	7.36	1.23	0.61						9.82
135-165															
105-135															
75-105															
45-75															
15-45															
345-15															
						0.61	1.84	19.02	34.36	33.13	5.52	4.29	1.23		100.00

25 m/s ≤ U₁₀₀ < 27 m/s

Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 100m

25 m/s ≤ U₁₀₀ < 27 m/s

Deltares

App. B.2.074

		H _s (m)																
		0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	>7.0		
Wind direction (° N)	315-345													2.04			2.04	
	285-315											1.02	2.04				3.06	
	255-285										3.06	1.02	4.08	1.02	4.08		13.27	
	225-255								1.02	3.06	19.39	18.37	7.14	2.04			51.02	
	195-225								3.06	3.06	13.27	6.12					25.51	
	165-195									1.02	3.06	1.02					5.10	
	135-165																	
	105-135																	
	75-105																	
	45-75																	
	15-45																	
	345-15																	
									4.08	7.14	38.78	27.55	13.27	5.10	4.08		100.00	
		U ₁₀₀ ≥ 27 m/s														Total		

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 100m

U₁₀₀ ≥ 27 m/s

Deltares

App. B.2.075

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	
315-345	0.54	1.56	1.56	1.08	0.70	0.39	0.25	0.15	0.09	0.04	0.02	0.02	0.01		6.40
285-315	0.62	1.82	2.00	1.15	0.72	0.40	0.23	0.14	0.10	0.03	0.02	0.01	0.00		7.24
255-285	1.07	2.75	2.75	1.56	1.02	0.57	0.33	0.18	0.08	0.05	0.01	0.01	0.00	0.00	10.38
225-255	1.46	5.47	4.95	2.83	1.85	1.19	0.78	0.42	0.15	0.07	0.02	0.00	0.00		19.19
195-225	1.19	3.78	2.94	1.85	1.19	0.61	0.30	0.15	0.04	0.02	0.00				12.08
165-195	1.20	2.96	1.76	0.92	0.48	0.24	0.09	0.03	0.00	0.00	0.00				7.69
135-165	1.28	2.42	0.82	0.22	0.07	0.03	0.00	0.00							4.84
105-135	1.21	2.55	0.73	0.19	0.04	0.01	0.01								4.74
75-105	1.12	3.19	1.33	0.49	0.22	0.07	0.01								6.44
45-75	1.03	3.18	1.94	0.74	0.35	0.10	0.03	0.01							7.39
15-45	0.79	2.63	2.24	0.91	0.43	0.14	0.06	0.03	0.00	0.01	0.00				7.24
345-15	0.54	1.75	1.82	1.13	0.57	0.28	0.16	0.07	0.03	0.01	0.00	0.00			6.36
	12.05	34.08	24.84	13.08	7.63	4.04	2.26	1.17	0.50	0.23	0.07	0.04	0.01	0.00	100.00
All year															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

All Year

Deltares

App. B.2.076

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	2.89	3.72	1.13	0.17												7.92
285-315	3.13	3.97	1.12	0.14												8.35
255-285	4.27	4.37	1.07	0.13												9.84
225-255	4.28	4.33	0.77	0.09		0.02										9.49
195-225	3.75	3.89	0.61	0.04												8.29
165-195	4.23	3.21	0.50	0.03												7.98
135-165	3.71	3.12	0.30	0.04	0.03											7.20
105-135	3.53	3.01	0.48	0.10	0.01											7.13
75-105	3.98	3.53	0.68	0.07	0.01											8.26
45-75	3.71	4.26	0.77	0.05												8.79
15-45	3.36	4.31	1.06	0.09												8.81
345-15	2.76	4.00	1.07	0.10	0.01											7.94
	43.61	45.70	9.56	1.06	0.05	0.02										100.00
	1 m/s ≤ U ₁₅₀ < 3 m/s															Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 150m

1 m/s ≤ U₁₅₀ < 3 m/s

Deltares

App. B.2.077

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	1.76	3.74	1.80	0.42	0.02											7.75
285-315	2.24	4.33	1.86	0.42	0.04											8.90
255-285	3.55	5.00	1.70	0.27	0.02	0.00										10.54
225-255	3.48	5.42	1.36	0.12	0.00											10.39
195-225	3.30	4.42	0.78	0.04	0.00											8.56
165-195	3.06	3.24	0.31	0.01												6.63
135-165	3.15	2.99	0.24	0.03												6.40
105-135	2.85	3.88	0.38	0.01												7.12
75-105	3.08	4.30	0.47	0.04												7.89
45-75	3.05	5.04	1.02	0.06												9.18
15-45	2.70	4.69	1.51	0.08	0.01											9.00
345-15	1.69	3.85	1.91	0.19	0.01											7.65
	33.92	50.90	13.34	1.72	0.11	0.00										100.00
	3 m/s ≤ U ₁₅₀ < 5 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

3 m/s ≤ U₁₅₀ < 5 m/s

Deltares

App. B.2.078

Wind direction (° N)	H _s (m)													Total		
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.58	3.01	2.63	0.99	0.12											7.33
285-315	0.62	3.66	2.79	0.87	0.14	0.00		0.00								8.09
255-285	1.69	5.41	2.58	0.46	0.05											10.19
225-255	2.75	7.25	2.15	0.19	0.01											12.34
195-225	2.04	5.25	1.22	0.07												8.57
165-195	1.82	3.94	0.48	0.04												6.29
135-165	2.17	3.73	0.39	0.01												6.30
105-135	2.04	4.21	0.46	0.01	0.00											6.72
75-105	1.76	6.01	0.84	0.05												8.66
45-75	2.00	5.56	1.36	0.12	0.01											9.05
15-45	1.20	4.68	2.43	0.23	0.02											8.57
345-15	0.64	3.44	3.09	0.66	0.07											7.90
	19.31	56.12	20.44	3.70	0.42	0.00		0.00								100.00
	5 m/s ≤ U ₁₅₀ < 7 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

5 m/s ≤ U₁₅₀ < 7 m/s

Deltares

App. B.2.079

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.17	1.87	3.12	1.51	0.33	0.02										7.02
285-315	0.16	2.20	3.90	1.32	0.41	0.03	0.00									8.04
255-285	0.49	4.46	4.56	0.96	0.10	0.01										10.58
225-255	1.43	9.26	4.46	0.39	0.03	0.00										15.57
195-225	0.97	5.95	2.03	0.07	0.00											9.02
165-195	1.01	4.36	0.93	0.06	0.00											6.36
135-165	1.35	3.39	0.50	0.01	0.00											5.26
105-135	1.22	3.86	0.63	0.02												5.73
75-105	0.88	4.92	1.52	0.10	0.01											7.43
45-75	0.64	4.93	2.51	0.39	0.01											8.48
15-45	0.24	3.95	3.70	0.55	0.06	0.01	0.00									8.51
345-15	0.17	2.18	3.31	2.00	0.31	0.02										8.00
	8.74	51.35	31.16	7.38	1.27	0.10	0.01									100.00
	7 m/s ≤ U ₁₅₀ < 9 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

7 m/s ≤ U₁₅₀ < 9 m/s

Deltares

App. B.2.080

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345	0.02	0.68	1.92	2.14	1.20	0.22	0.02									6.19
285-315	0.01	0.74	3.15	2.27	0.89	0.26	0.01									7.33
255-285	0.08	1.82	4.99	2.37	0.64	0.04										9.93
225-255	0.62	8.14	8.76	1.41	0.13	0.00										19.06
195-225	0.38	5.23	4.30	0.30	0.02											10.22
165-195	0.52	4.36	2.36	0.13												7.37
135-165	0.53	2.72	1.20	0.04												4.49
105-135	0.54	2.45	1.40	0.08	0.00											4.48
75-105	0.45	3.07	3.47	0.38	0.03											7.41
45-75	0.11	3.06	4.24	1.14	0.06											8.61
15-45	0.02	2.18	3.92	1.36	0.16	0.01										7.65
345-15	0.03	0.99	2.82	2.35	0.96	0.10	0.01									7.26
	3.31	35.45	42.52	13.95	4.09	0.63	0.04									100.00
	9 m/s ≤ U ₁₅₀ < 11 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

9 m/s ≤ U₁₅₀ < 11 m/s

Deltares

App. B.2.081

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.11	0.84	1.87	1.88	0.76	0.19	0.03								5.68
285-315		0.31	1.45	2.31	1.81	0.66	0.13	0.00								6.68
255-285	0.01	0.64	3.76	4.03	1.62	0.26	0.01									10.34
225-255	0.16	4.69	10.81	5.45	0.79	0.07										21.96
195-225	0.16	3.13	7.55	2.33	0.15	0.01										13.32
165-195	0.18	2.56	5.00	0.71	0.01	0.00										8.47
135-165	0.25	2.10	2.15	0.29												4.80
105-135	0.29	1.51	1.50	0.53	0.02											3.84
75-105	0.12	1.84	2.09	1.56	0.13											5.74
45-75	0.00	1.45	2.72	2.10	0.54	0.02	0.00									6.84
15-45	0.01	0.94	2.69	2.23	0.80	0.08	0.01									6.75
345-15	0.01	0.14	1.03	2.05	1.53	0.72	0.09	0.00								5.58
	1.20	19.42	41.57	25.48	9.27	2.58	0.44	0.04								100.00
	11 m/s ≤ U ₁₅₀ < 13 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

11 m/s ≤ U₁₅₀ < 13 m/s

Deltares

App. B.2.082

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.02	0.18	0.79	1.80	1.60	0.94	0.18	0.02	0.01						5.53
285-315		0.03	0.38	1.14	2.14	1.46	0.54	0.14	0.01							5.85
255-285		0.16	1.62	3.90	3.81	1.32	0.18									10.99
225-255	0.04	1.91	8.40	10.60	4.08	0.49	0.01	0.01								25.53
195-225		1.02	5.49	7.96	1.37	0.04	0.01									15.89
165-195	0.07	0.90	4.22	3.72	0.32	0.01	0.01									9.24
135-165	0.07	0.76	1.58	1.05	0.07											3.53
105-135	0.01	0.85	0.73	0.72	0.18											2.49
75-105	0.01	0.87	0.72	1.93	1.36	0.17										5.06
45-75		0.67	1.54	1.74	1.79	0.19	0.02									5.95
15-45		0.35	1.15	2.26	1.81	0.38	0.05	0.01								6.01
345-15	0.01	0.05	0.10	0.86	1.38	0.90	0.55	0.09	0.01							3.94
	0.19	7.59	26.11	36.67	20.11	6.56	2.30	0.42	0.04	0.01						100.00
	13 m/s ≤ U ₁₅₀ < 15 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

13 m/s ≤ U₁₅₀ < 15 m/s

Deltares

App. B.2.083

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345		0.01		0.15	0.53	1.23	1.29	0.89	0.38	0.04	0.03					4.55
285-315		0.01	0.05	0.30	0.89	1.39	1.37	0.58	0.22	0.01						4.83
255-285		0.02	0.35	1.19	4.14	3.80	1.09	0.12								10.71
225-255	0.01	0.78	3.82	9.79	11.41	4.41	0.50	0.04								30.77
195-225	0.01	0.42	2.74	8.74	7.79	0.84	0.04									20.58
165-195	0.01	0.45	1.36	5.53	2.74	0.14										10.22
135-165		0.38	0.54	0.88	0.46											2.26
105-135	0.01	0.41	0.26	0.46	0.14	0.04										1.33
75-105		0.35	0.25	0.44	0.99	0.65	0.02									2.70
45-75		0.14	0.75	0.70	1.43	1.12	0.12									4.26
15-45		0.01	0.42	1.00	1.54	1.05	0.31	0.07								4.40
345-15		0.03		0.11	0.62	1.03	0.95	0.49	0.16			0.01				3.40
	0.04	3.01	10.55	29.28	32.67	15.71	5.69	2.21	0.76	0.05	0.03	0.01				100.00
	15 m/s ≤ U ₁₅₀ < 17 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

15 m/s ≤ U₁₅₀ < 17 m/s

Deltares

App. B.2.084

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345				0.01	0.19	0.62	0.95	1.72	1.04	0.53	0.09	0.04	0.01			5.21
285-315				0.01	0.30	0.80	1.33	1.32	0.62	0.09	0.03					4.50
255-285		0.01	0.07	0.15	1.41	3.59	4.33	1.61	0.21	0.06						11.45
225-255		0.09	0.81	4.53	12.37	13.57	4.91	0.64	0.01							36.92
195-225		0.06	0.90	4.01	10.68	6.52	0.47	0.03								22.68
165-195		0.10	0.22	2.00	5.49	1.73	0.10									9.64
135-165		0.04	0.04	0.37	0.64	0.34										1.43
105-135		0.07		0.13	0.16	0.07	0.09									0.53
75-105		0.01	0.03		0.12	0.27	0.16									0.59
45-75			0.36	0.21	0.34	0.25	0.43	0.10								1.69
15-45			0.09	0.43	0.58	0.62	0.84	0.41	0.09							3.06
345-15				0.01	0.10	0.40	0.72	0.53	0.40	0.10		0.01				2.29
		0.40	2.53	11.86	32.37	28.79	14.35	6.36	2.37	0.78	0.12	0.06	0.01			100.00
	17 m/s ≤ U ₁₅₀ < 19 m/s															Total

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

17 m/s ≤ U₁₅₀ < 19 m/s

Deltares

App. B.2.085

		H _s (m)																
		0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	>7.0		
Wind direction (° N)	315-345							0.11	0.11	0.62	0.73	0.67	0.67				2.92	
	285-315				0.11			0.45	0.56	1.63	0.62	0.45	0.45				4.27	
	255-285				0.06	0.34	0.73	2.70	2.92	1.35	0.17						8.27	
	225-255		0.11	0.39	1.52	5.62	16.99	17.15	3.15	0.45							45.39	
	195-225			0.06	0.96	6.69	12.37	5.68	0.90								26.66	
	165-195		0.06	0.06	0.62	3.71	5.23	0.62	0.06								10.35	
	135-165				0.06	0.17	0.06										0.28	
	105-135																	
	75-105																	
	45-75																	
	15-45			0.06							0.34	0.11					0.51	
	345-15							0.11	0.11	0.34	0.45	0.11	0.22				1.35	
				0.17	0.56	3.32	16.54	36.05	26.94	9.62	3.94	1.52	1.35				100.00	
21 m/s ≤ U ₁₅₀ < 23 m/s																Total		

Joint Occurrence table of wind direction vs. wave height
Nautical convention: coming from, clockwise from North

Height: 150m

21 m/s ≤ U₁₅₀ < 23 m/s

Deltares

App. B.2.087

Wind direction (° N)	H _s (m)														
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0
315-345									0.43	0.14		0.14	0.72		1.44
285-315				0.14	0.14	0.29			1.58	1.44	1.29	0.57	0.14		5.60
255-285						0.57	1.58	1.15	3.59	0.43	0.14				7.47
225-255			0.14		0.86	8.33	20.11	16.24	5.75	0.43					51.87
195-225				0.14	2.16	10.34	11.06	3.02	0.29						27.01
165-195				0.14	0.72	2.30	3.16								6.32
135-165															
105-135															
75-105															
45-75															
15-45															
345-15								0.14			0.14				0.29
				0.14	0.43	3.88	21.84	35.92	22.56	11.21	2.16	1.01	0.86		100.00
	23 m/s ≤ U ₁₅₀ < 25 m/s														Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 150m

23 m/s ≤ U₁₅₀ < 25 m/s

Deltares

App. B.2.088

Wind direction (° N)	H _s (m)															
	0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5		6.5-7.0	>7.0
315-345									0.38				0.38		0.75	
285-315									0.75	1.13		0.38			2.26	
255-285							0.38		1.13	5.28	1.51	1.89			10.19	
225-255					0.38		1.89	8.68	23.77	14.34	1.51				50.57	
195-225					0.38	0.38	1.89	13.58	9.06	2.64					27.92	
165-195							1.51	6.04	0.38						7.92	
135-165								0.38							0.38	
105-135																
75-105																
45-75																
15-45																
345-15																
							0.75	0.38	5.66	28.68	35.47	23.40	3.02	2.26	0.38	100.00
	25 m/s ≤ U ₁₅₀ < 27 m/s															Total

Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 150m

25 m/s ≤ U₁₅₀ < 27 m/s

Deltares

App. B.2.089

		H _s (m)																
		0.0-0.5	0.5-1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	4.5-5.0	5.0-5.5	5.5-6.0	6.0-6.5	6.5-7.0	>7.0		
Wind direction (° N)	315-345												1.88			1.88		
	285-315							0.63			0.63	1.25	0.63			3.13		
	255-285									1.88	1.25	3.13	0.63	2.50		9.38		
	225-255						0.63	1.88	6.25	20.00	13.13	5.00	1.25			48.13		
	195-225						0.63	3.75	9.38	11.88	4.38					30.00		
	165-195							3.13	1.25	2.50	0.63					7.50		
	135-165																	
	105-135																	
	75-105																	
	45-75																	
	15-45																	
	345-15																	
								1.25	9.38	16.88	36.25	20.00	9.38	4.38	2.50	100.00		
		U ₁₅₀ ≥ 27 m/s														Total		

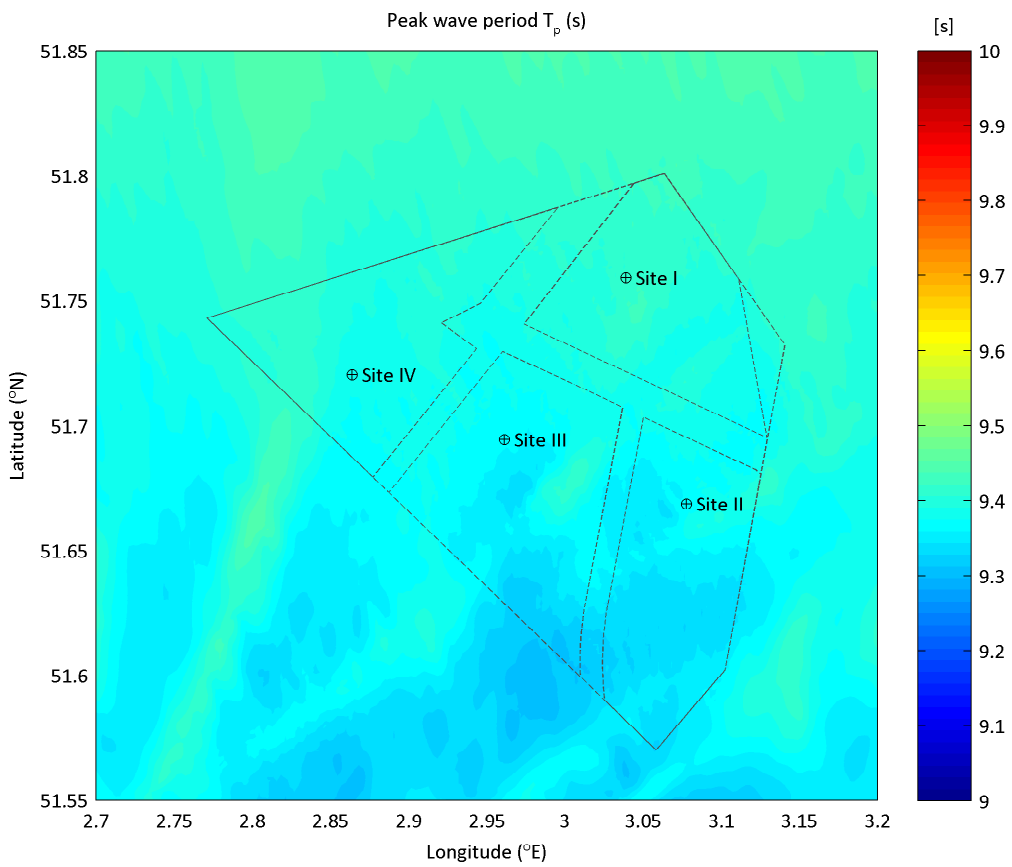
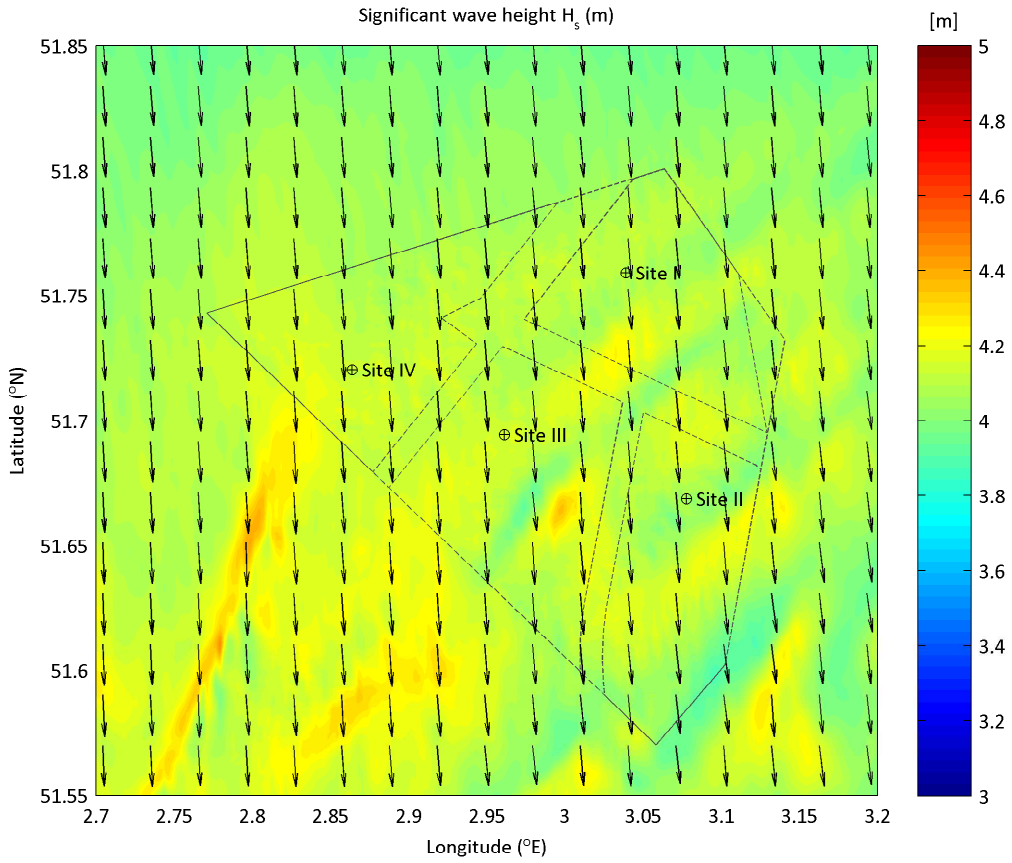
Joint Occurrence table of wind direction vs. wave height
 Nautical convention: coming from, clockwise from North

Height: 150m

U₁₅₀ ≥ 27 m/s

Deltares

App. B.2.090



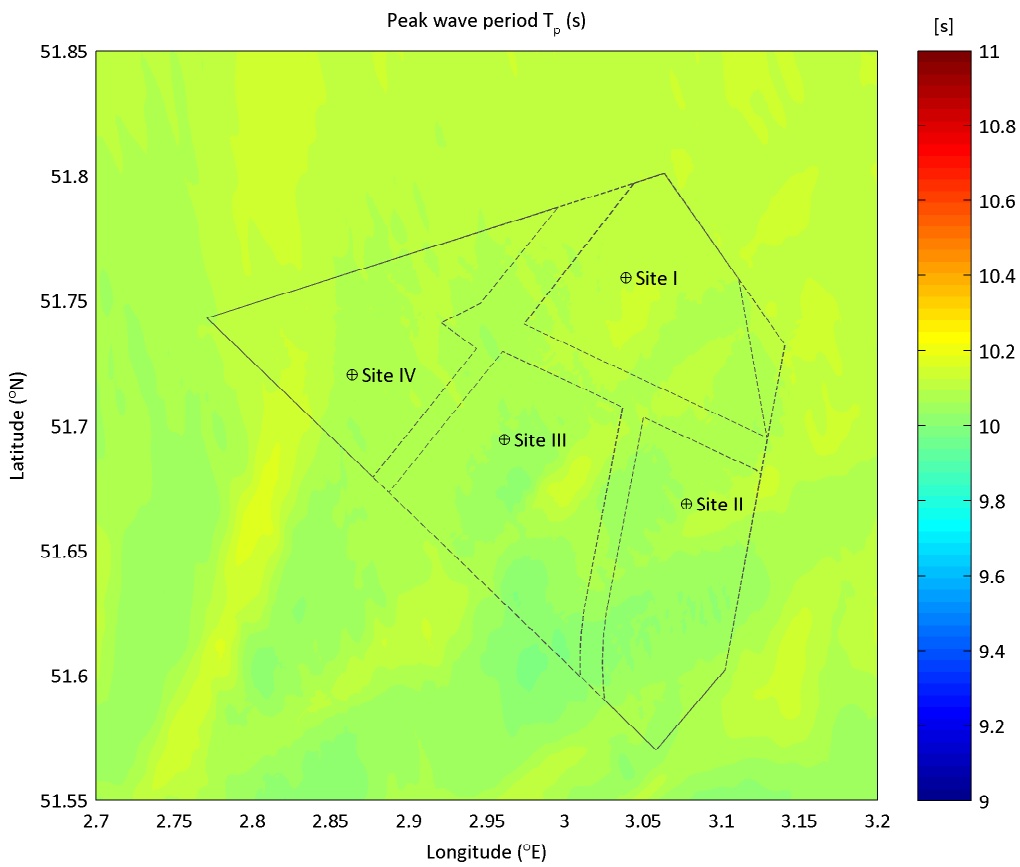
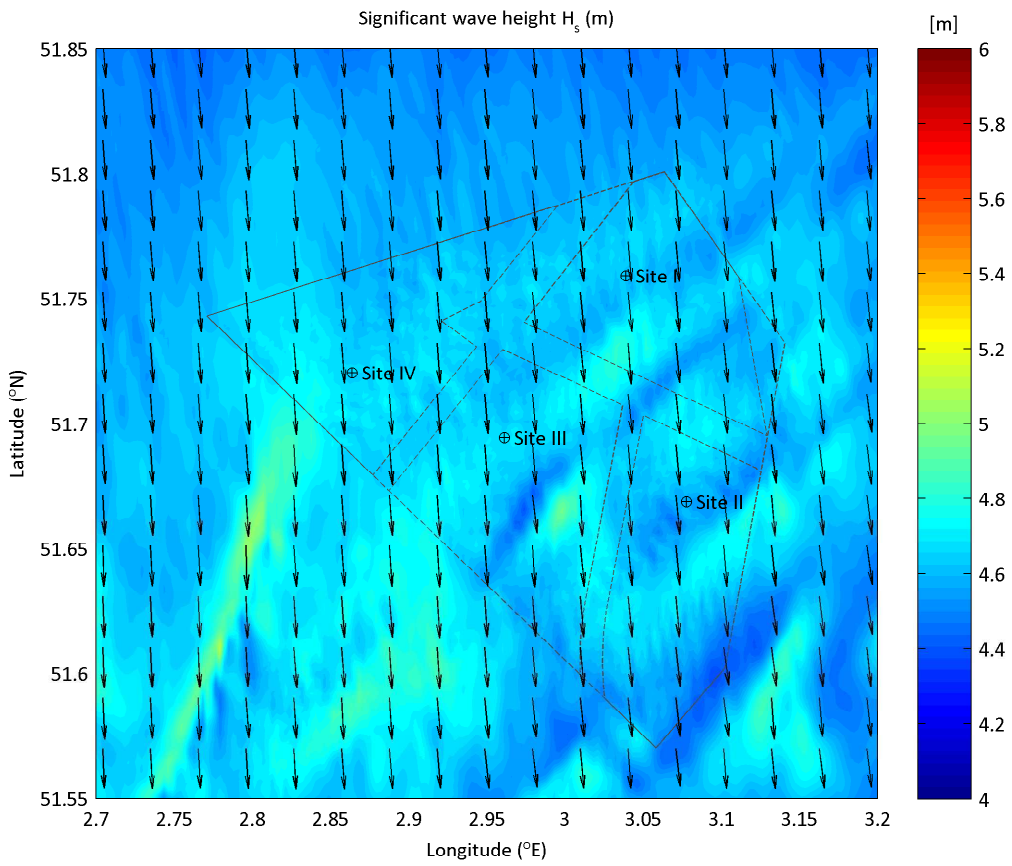
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.001



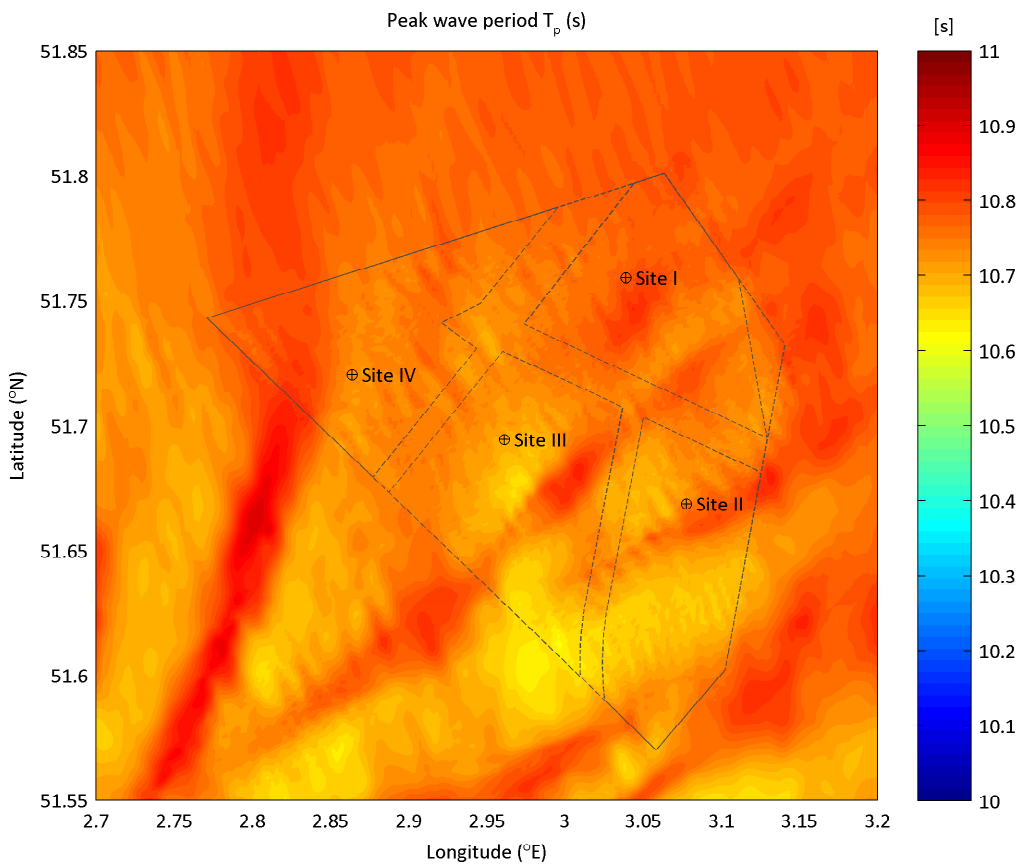
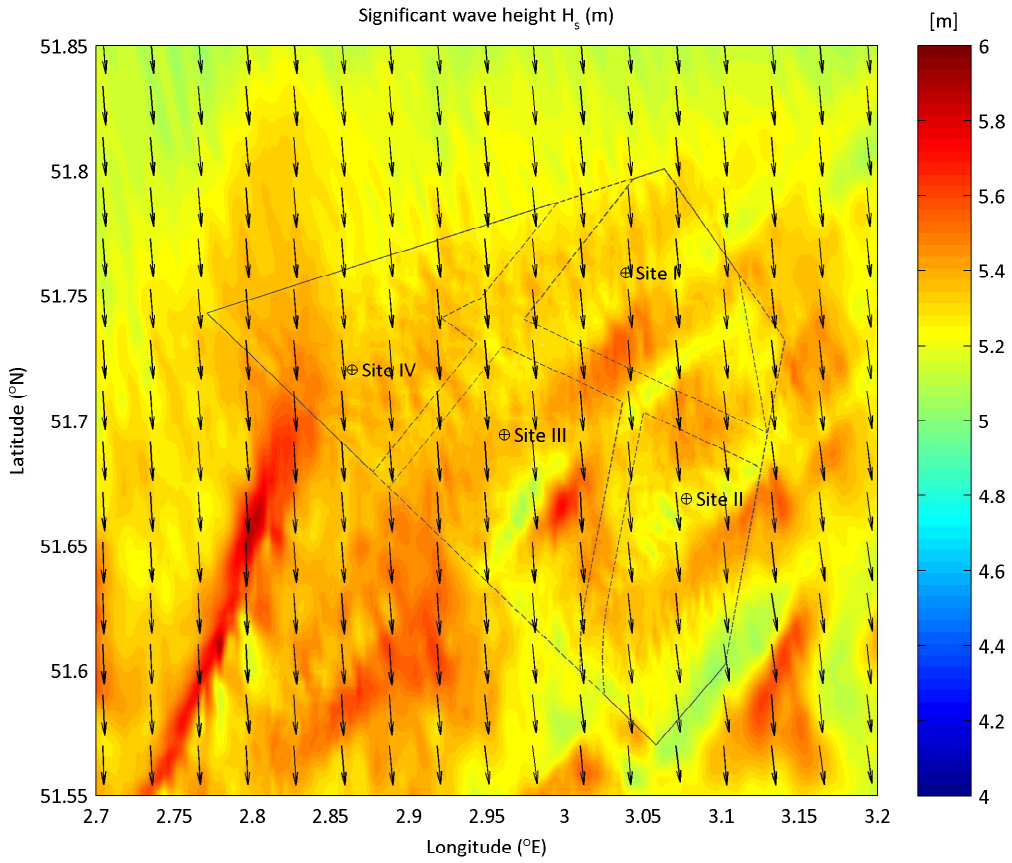
Extreme wave condition from Sector345 (°N) - 15 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.002



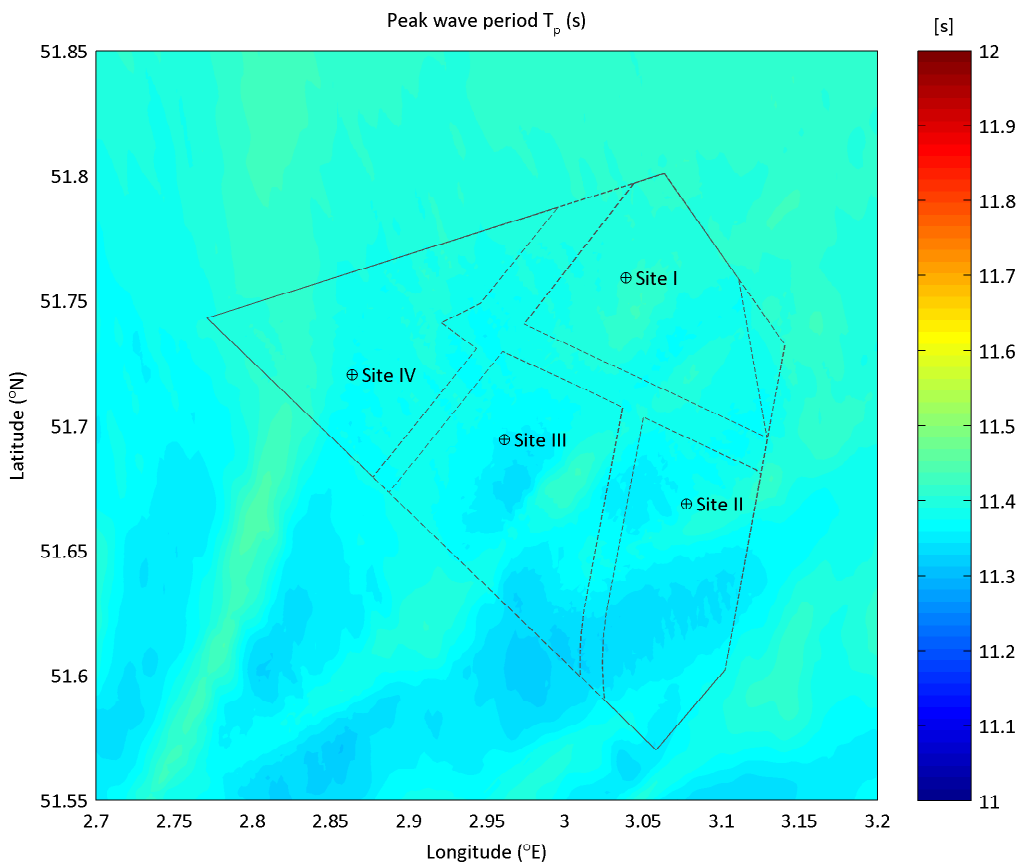
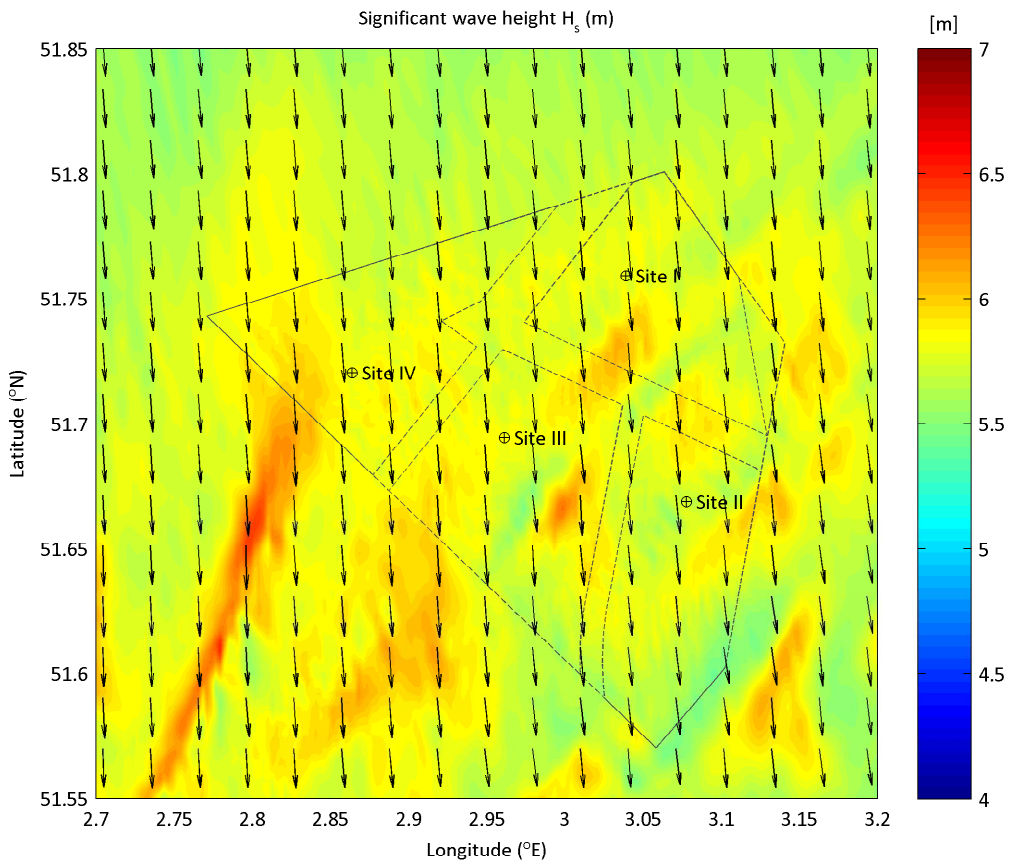
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.003



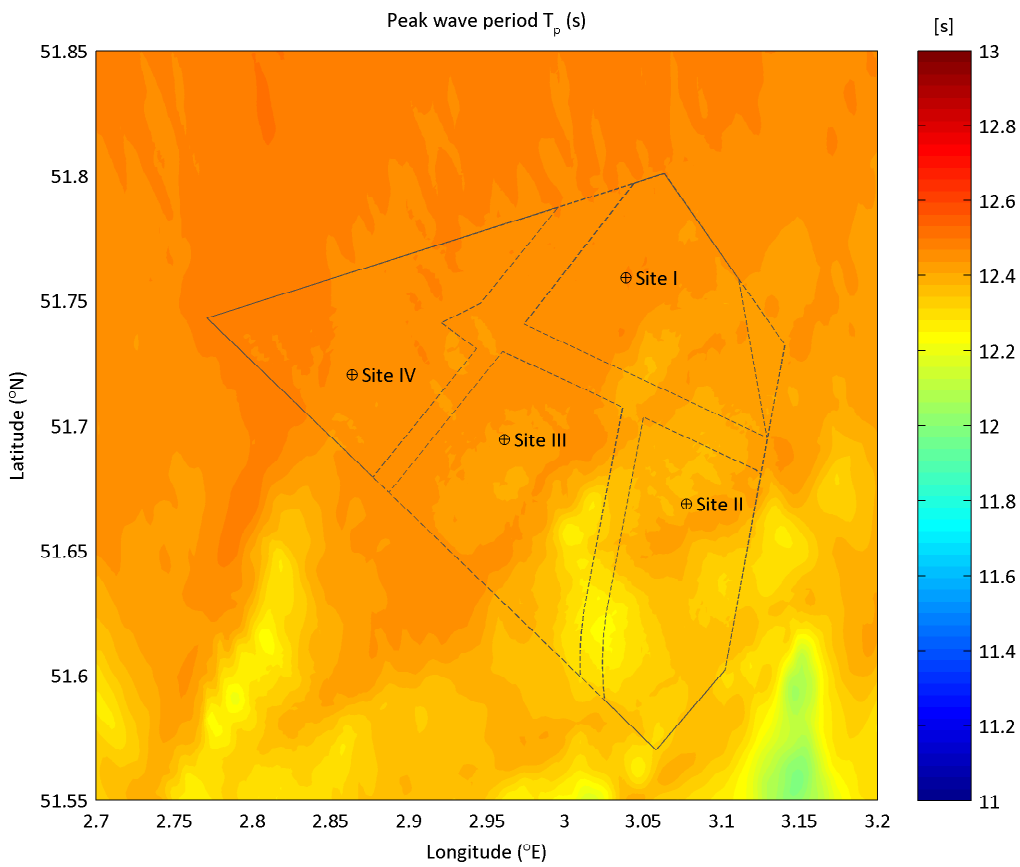
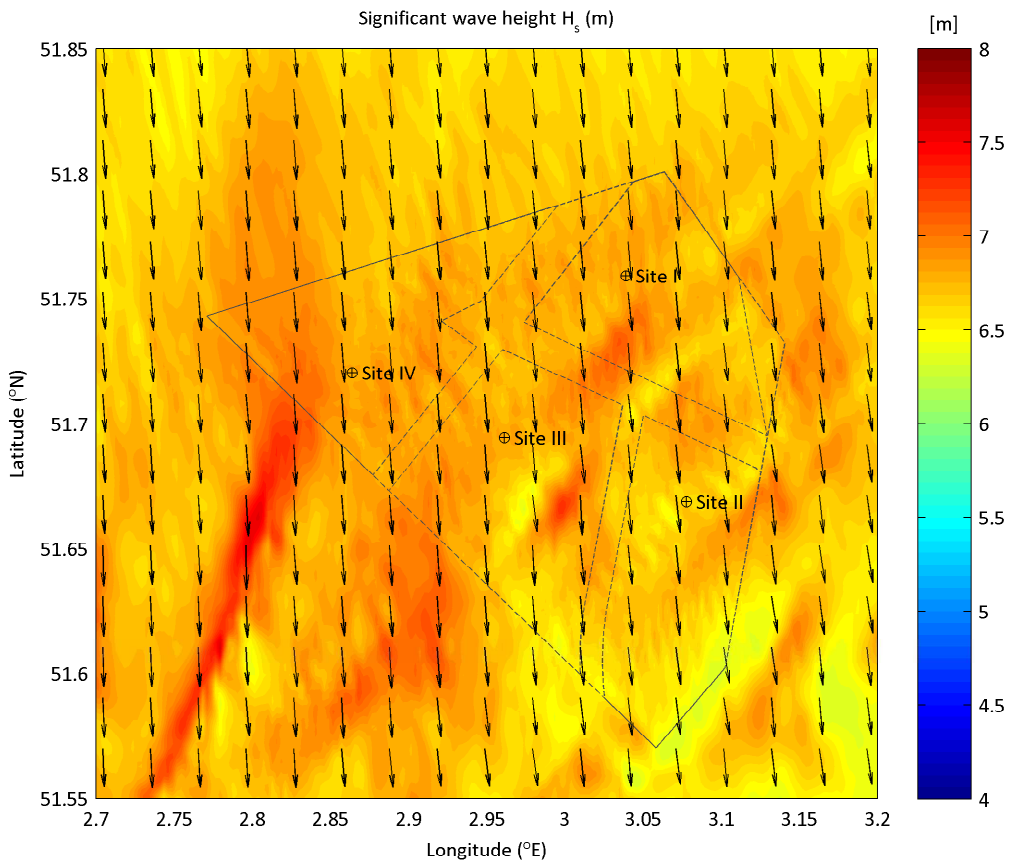
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.004



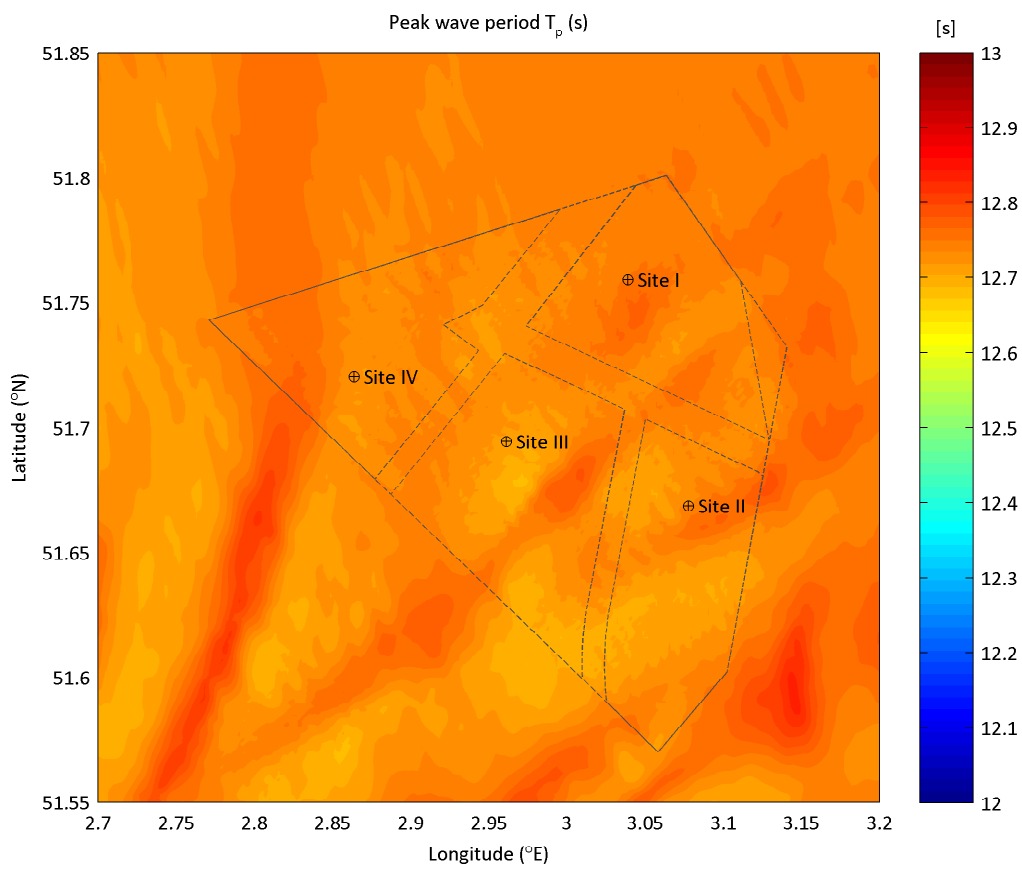
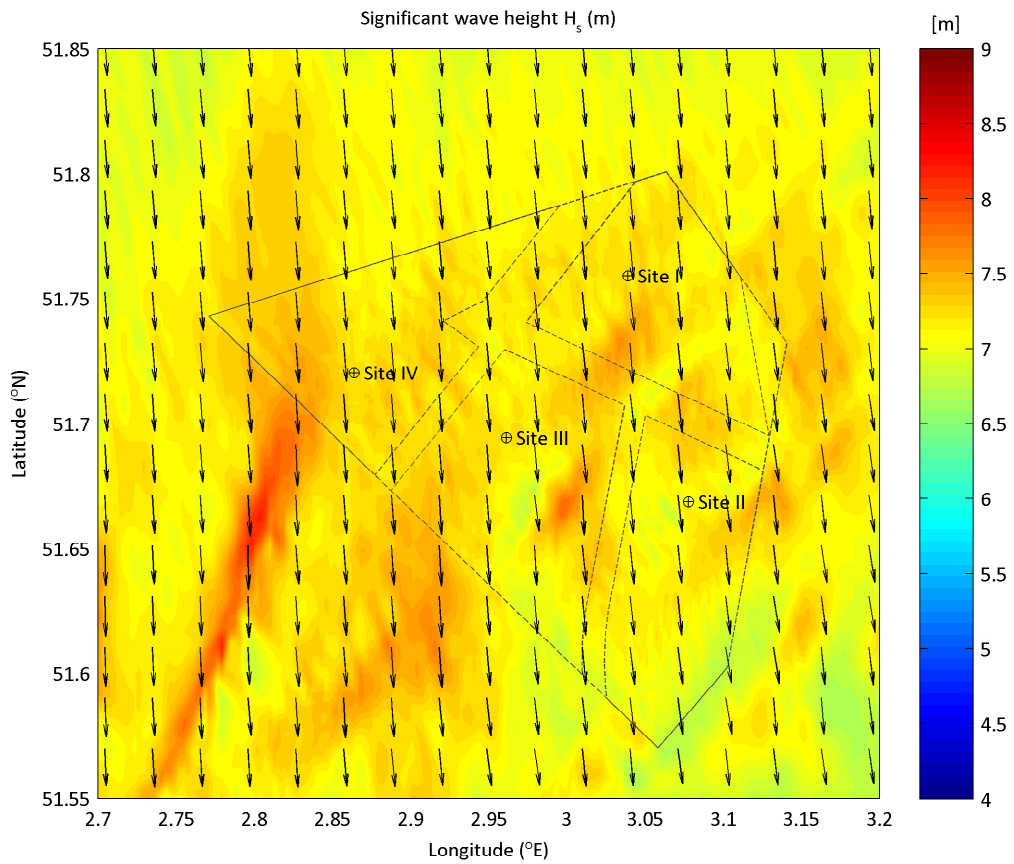
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.005



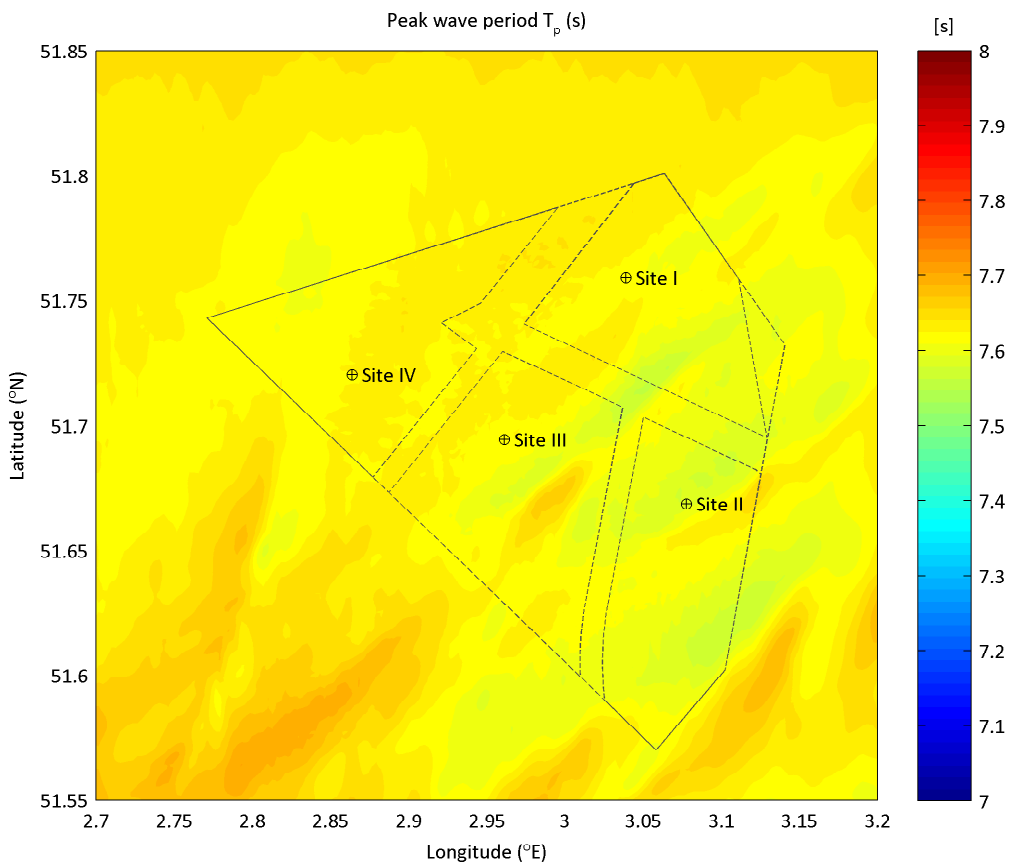
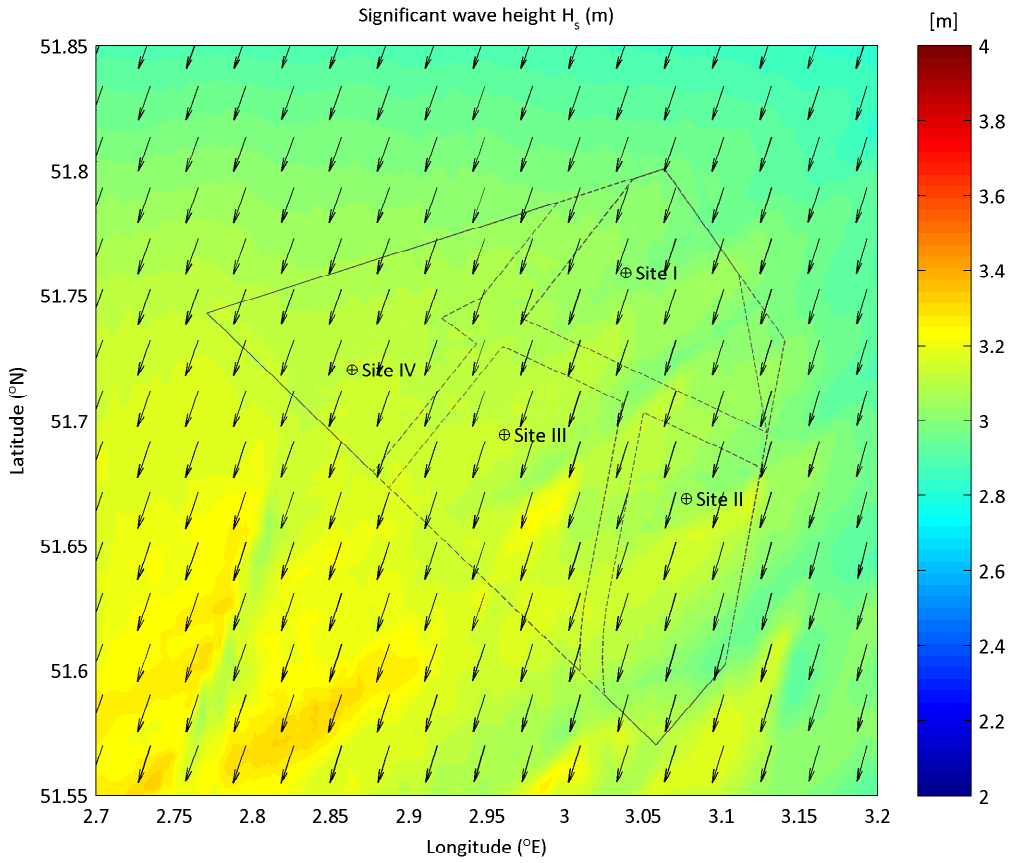
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.006



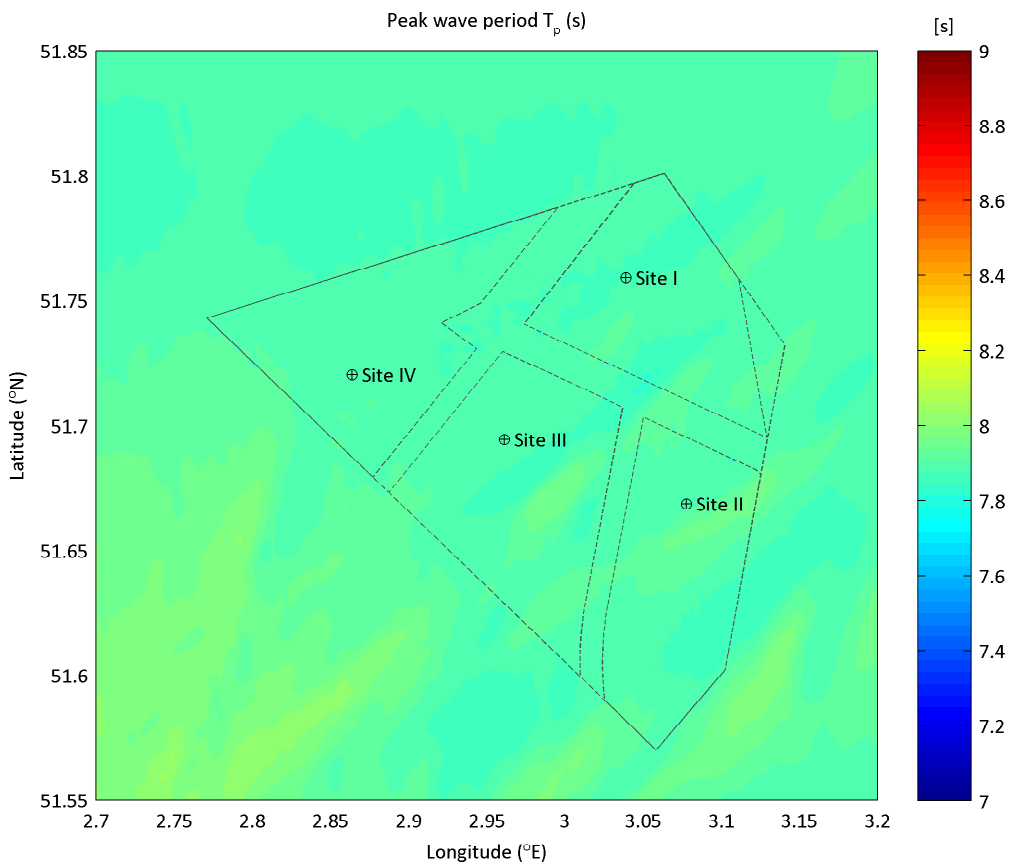
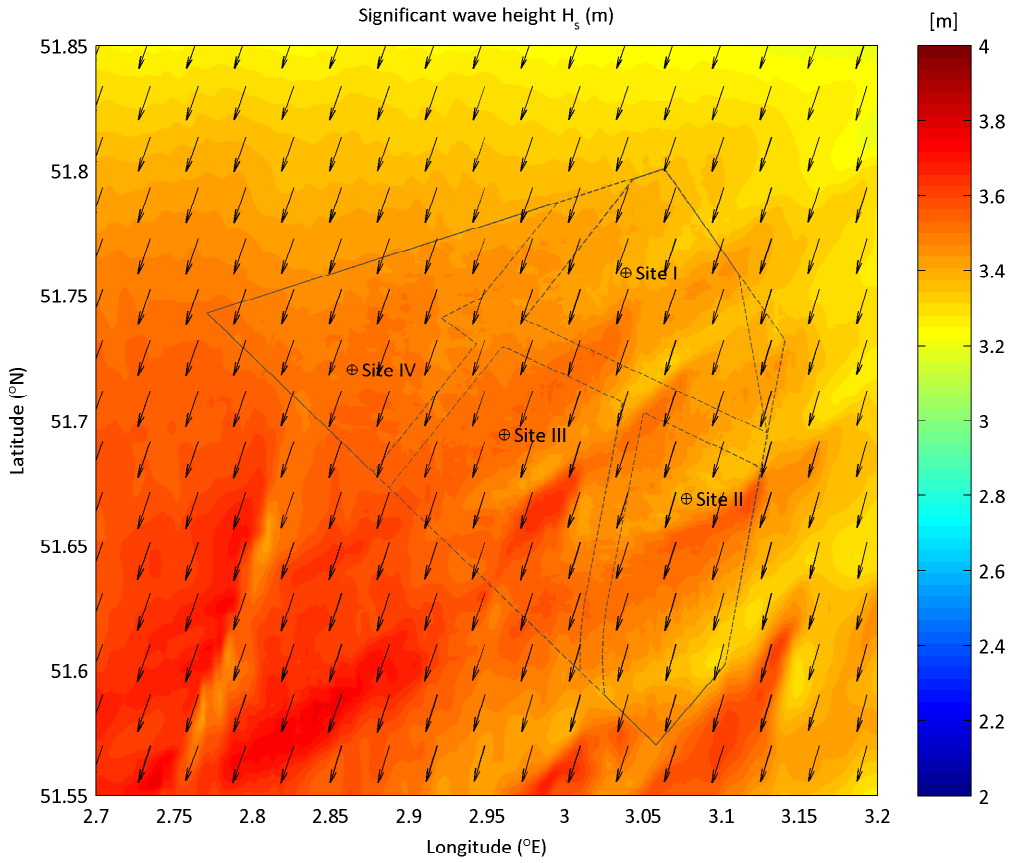
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.007



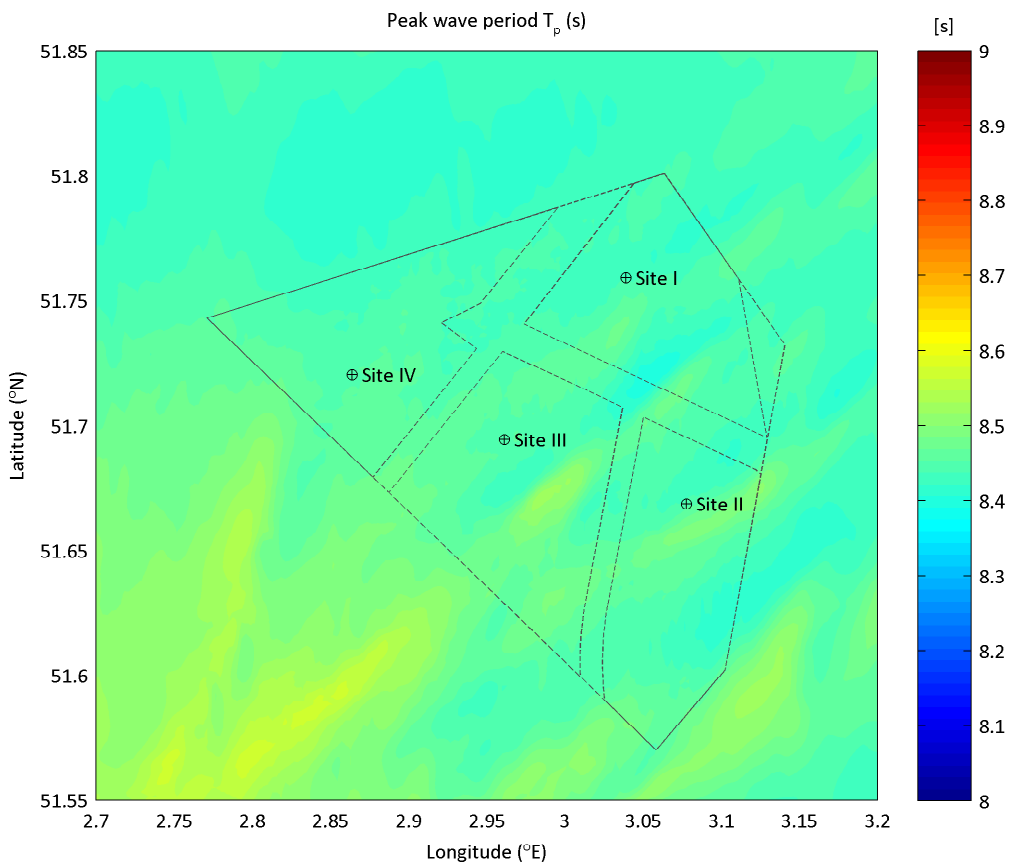
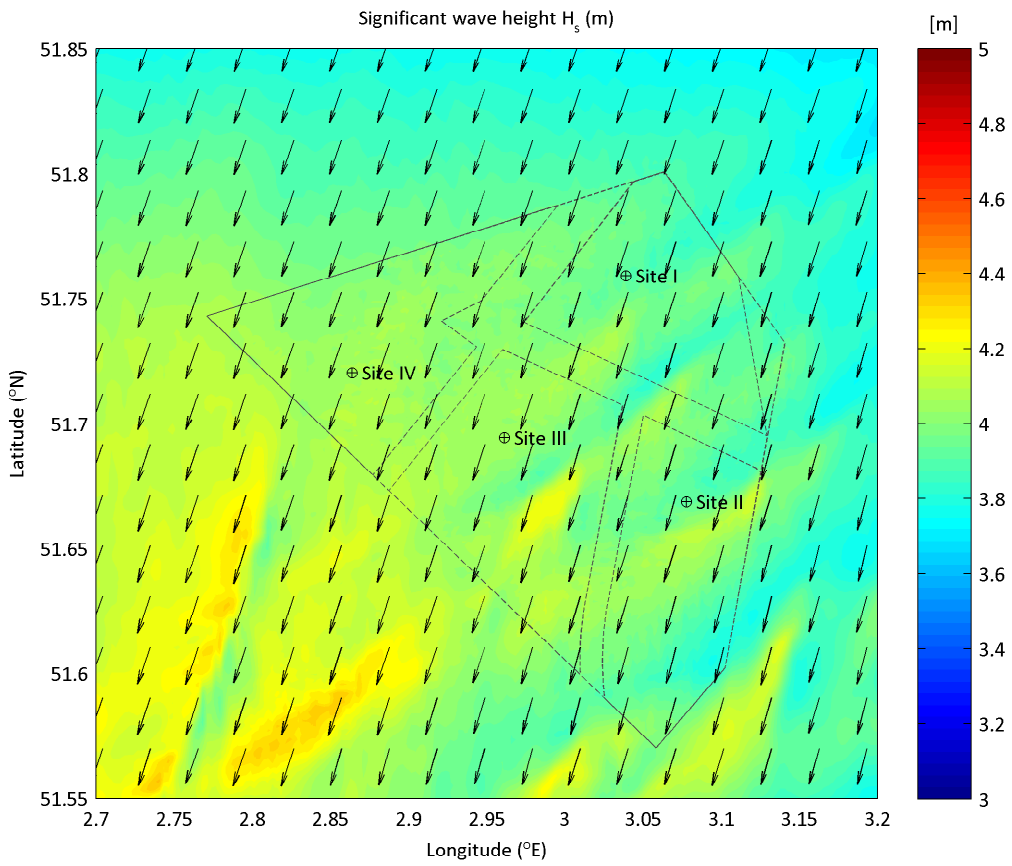
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.008



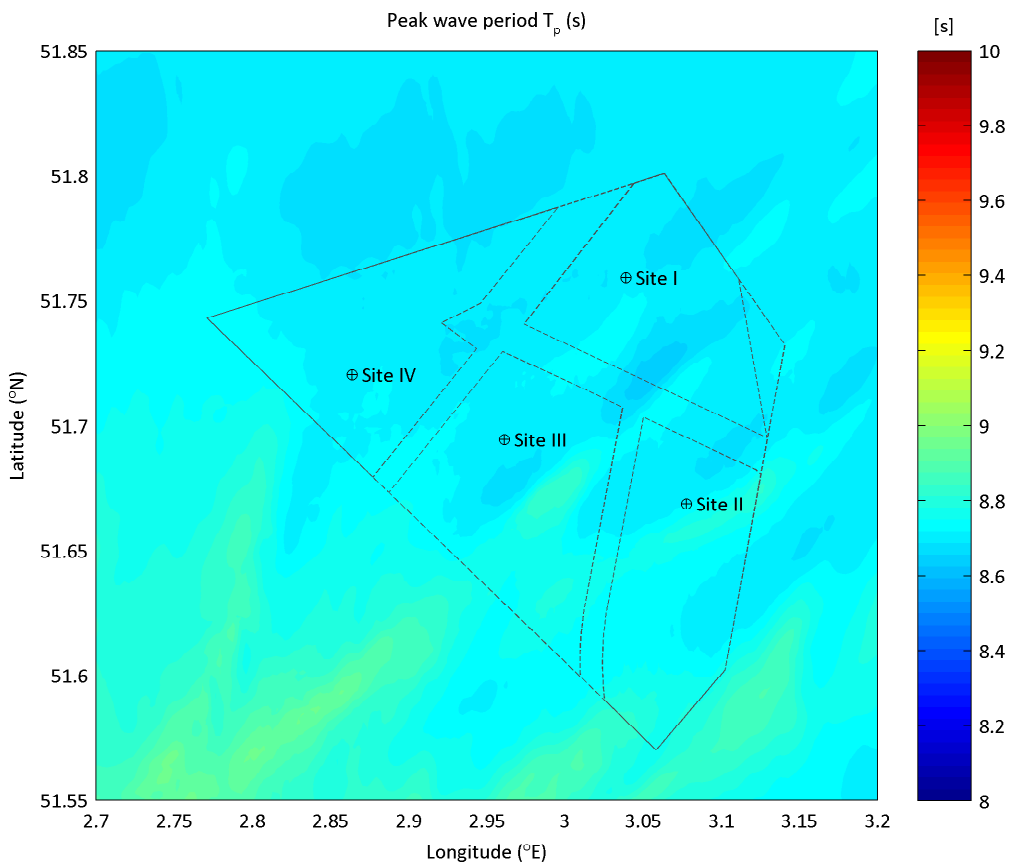
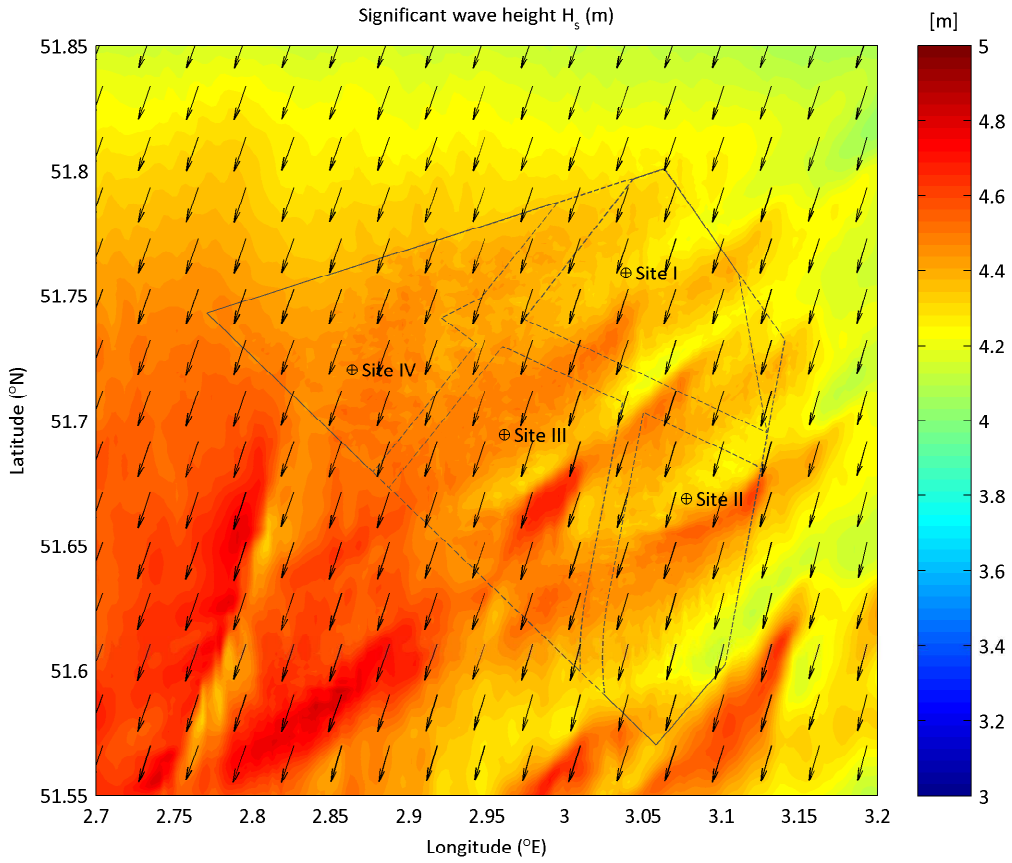
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.009



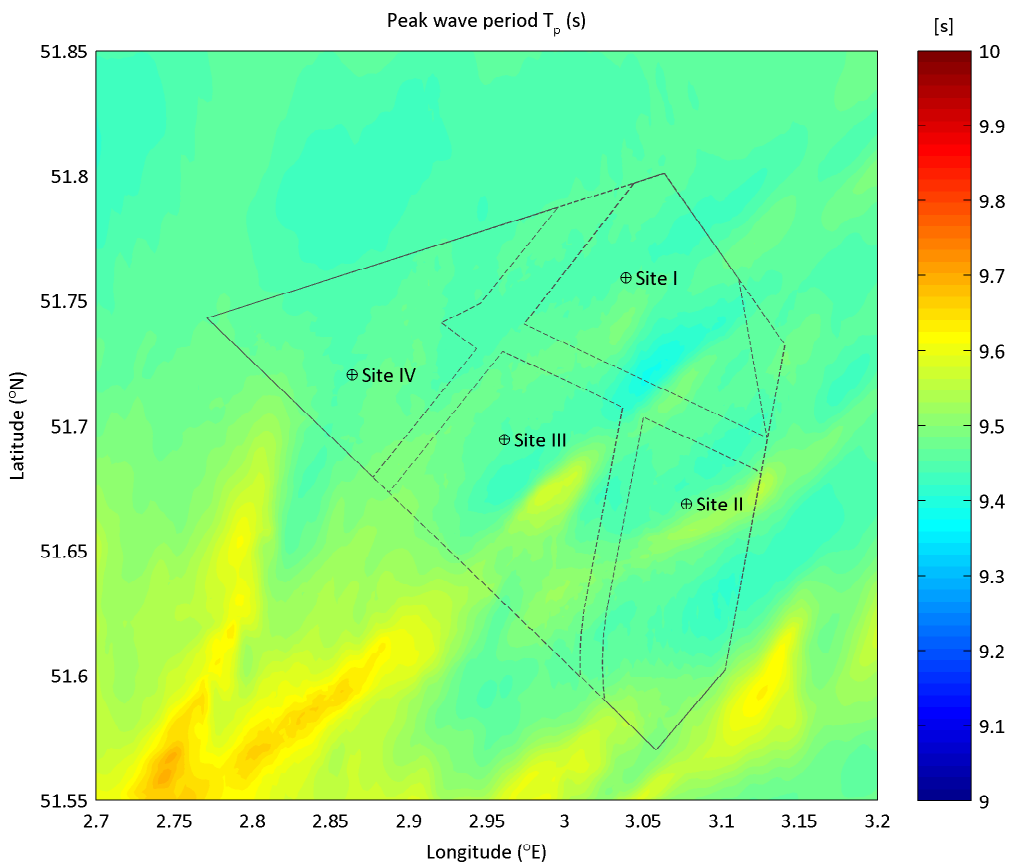
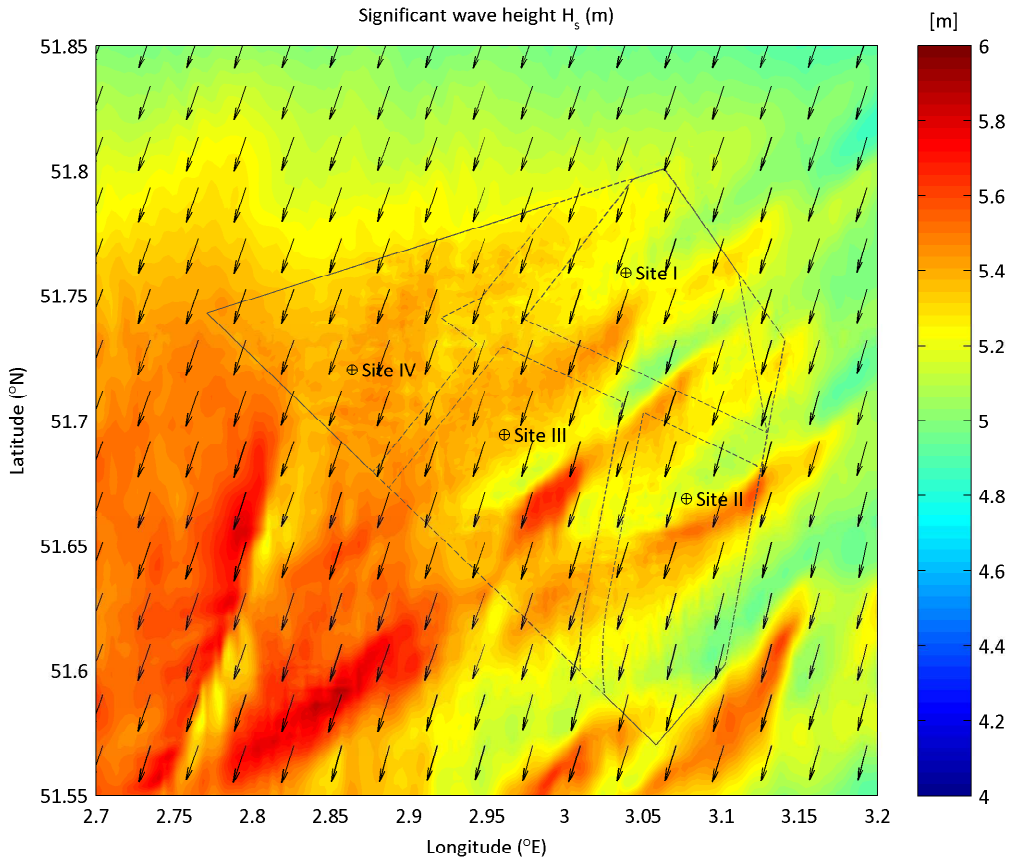
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.010



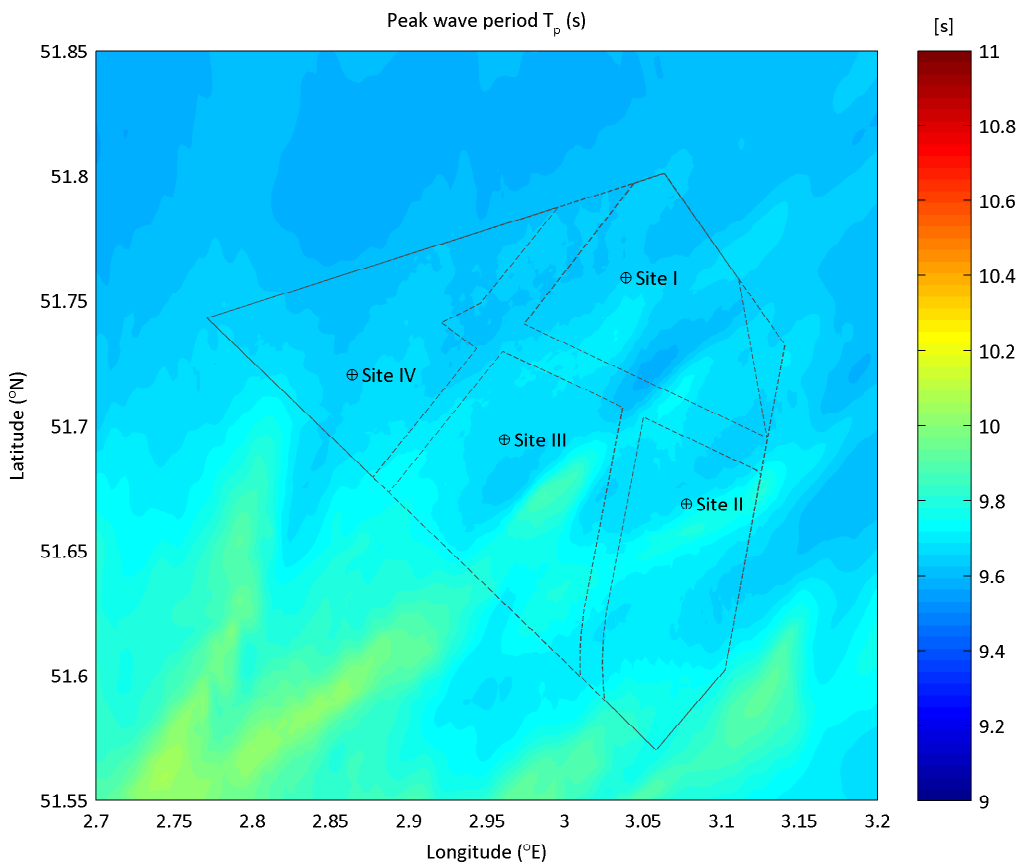
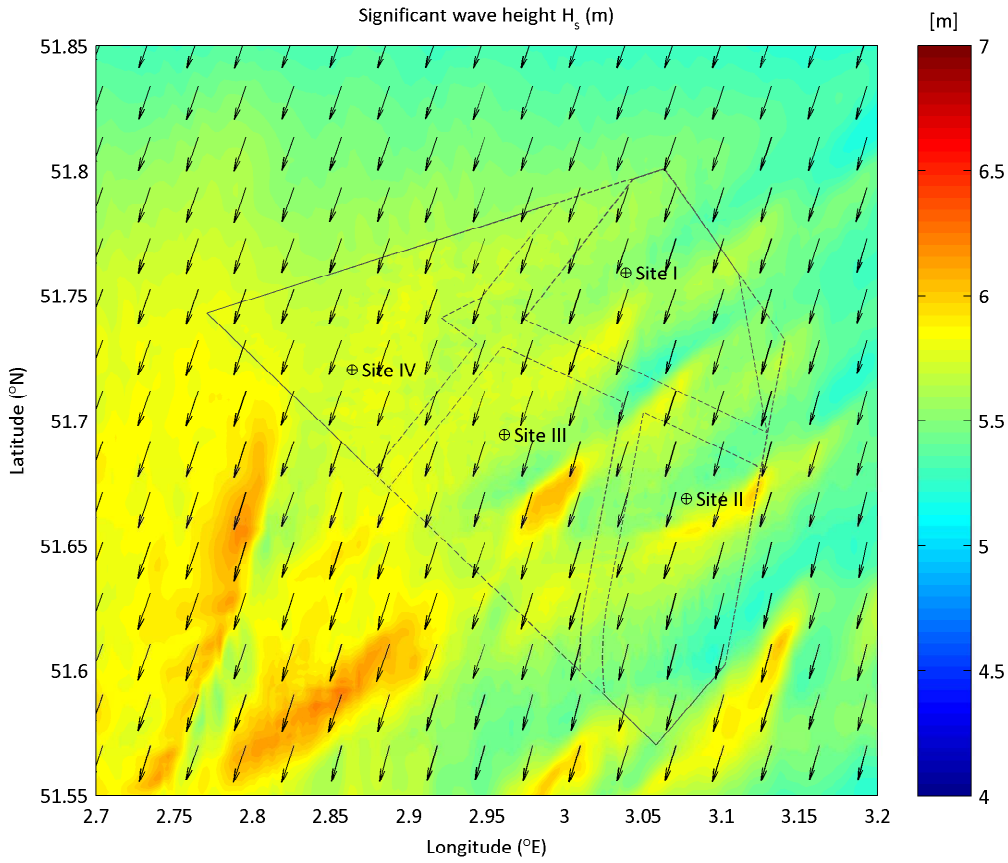
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.011



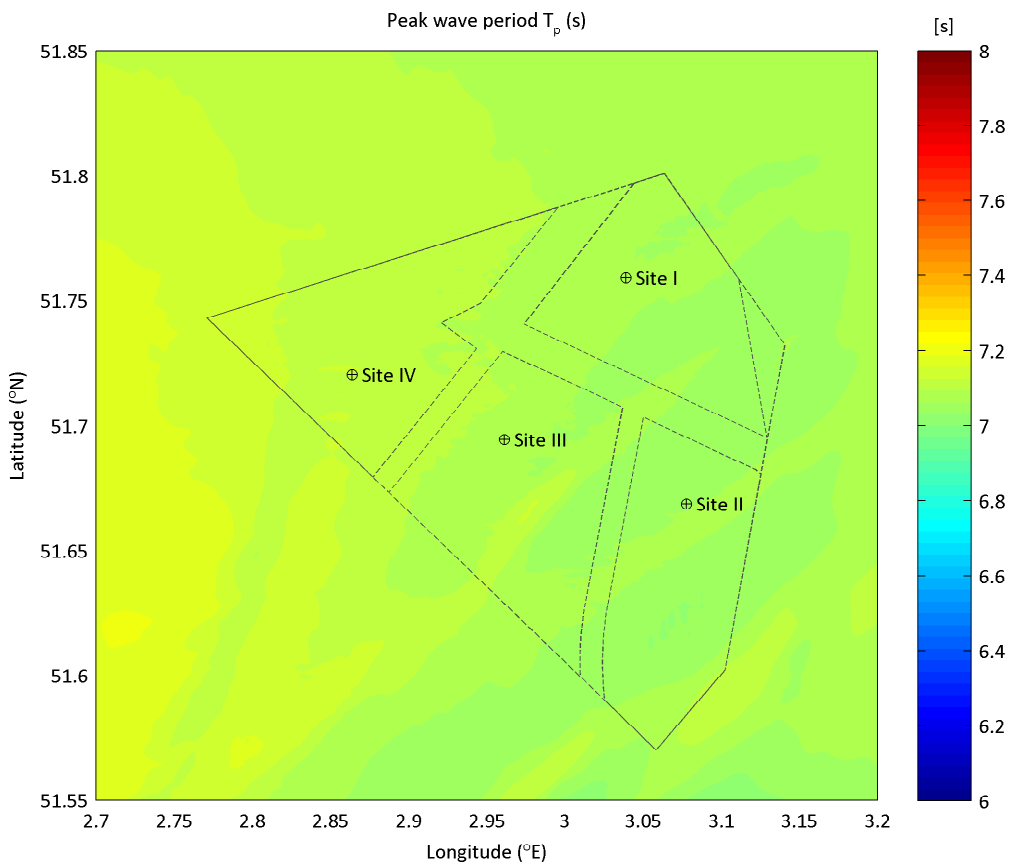
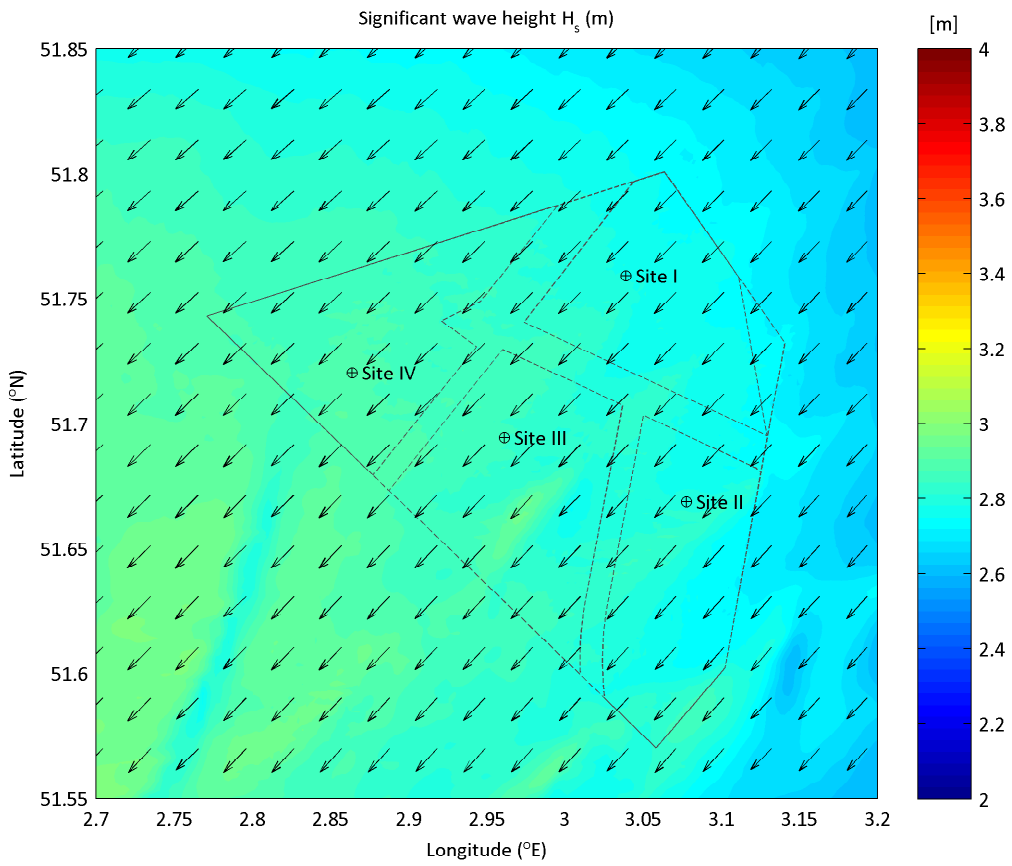
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.012



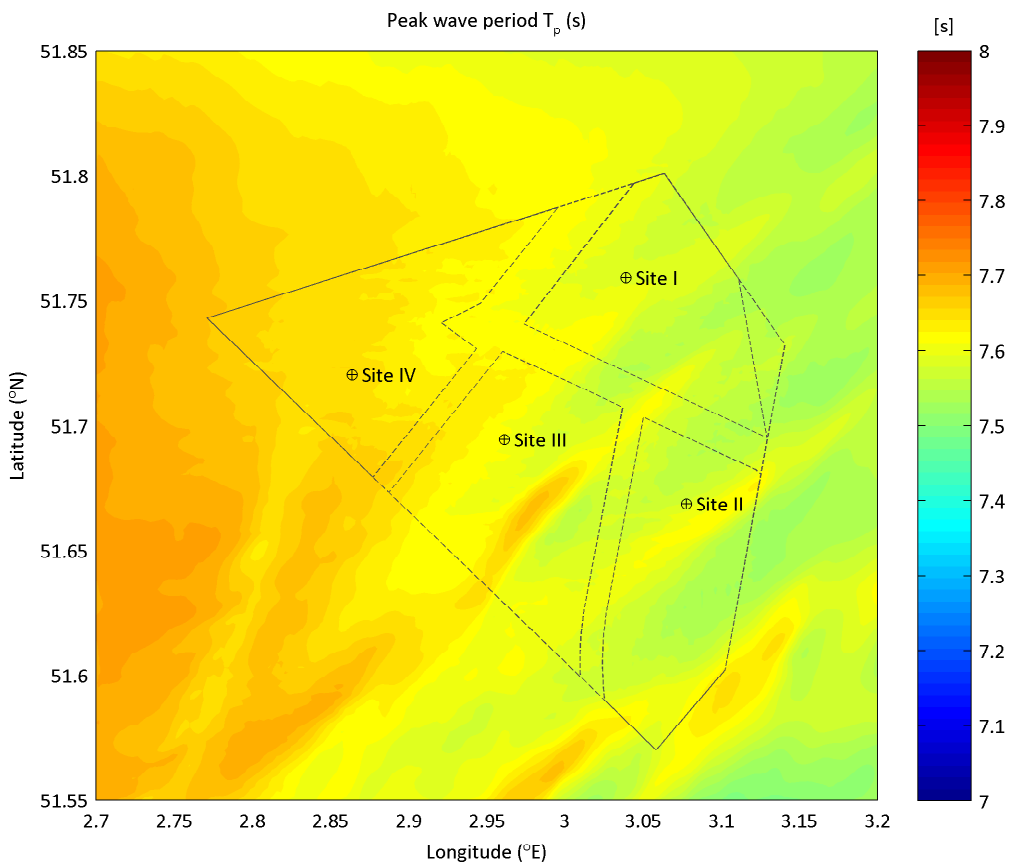
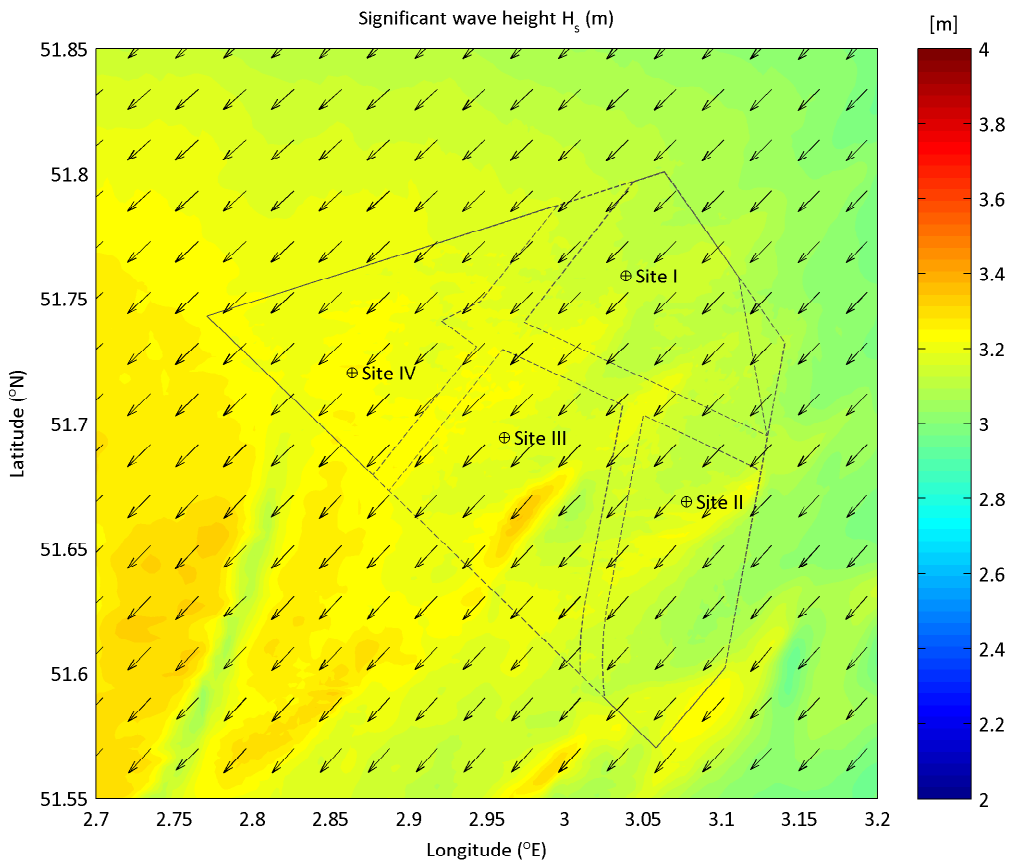
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ E)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.013



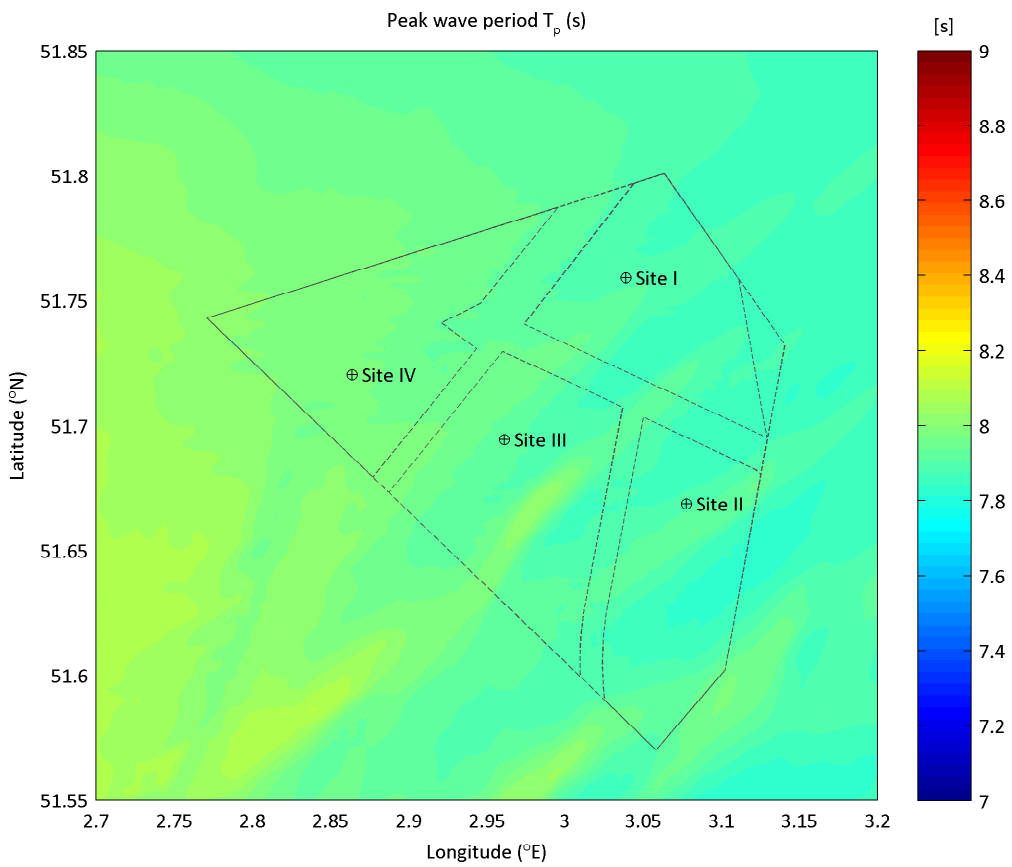
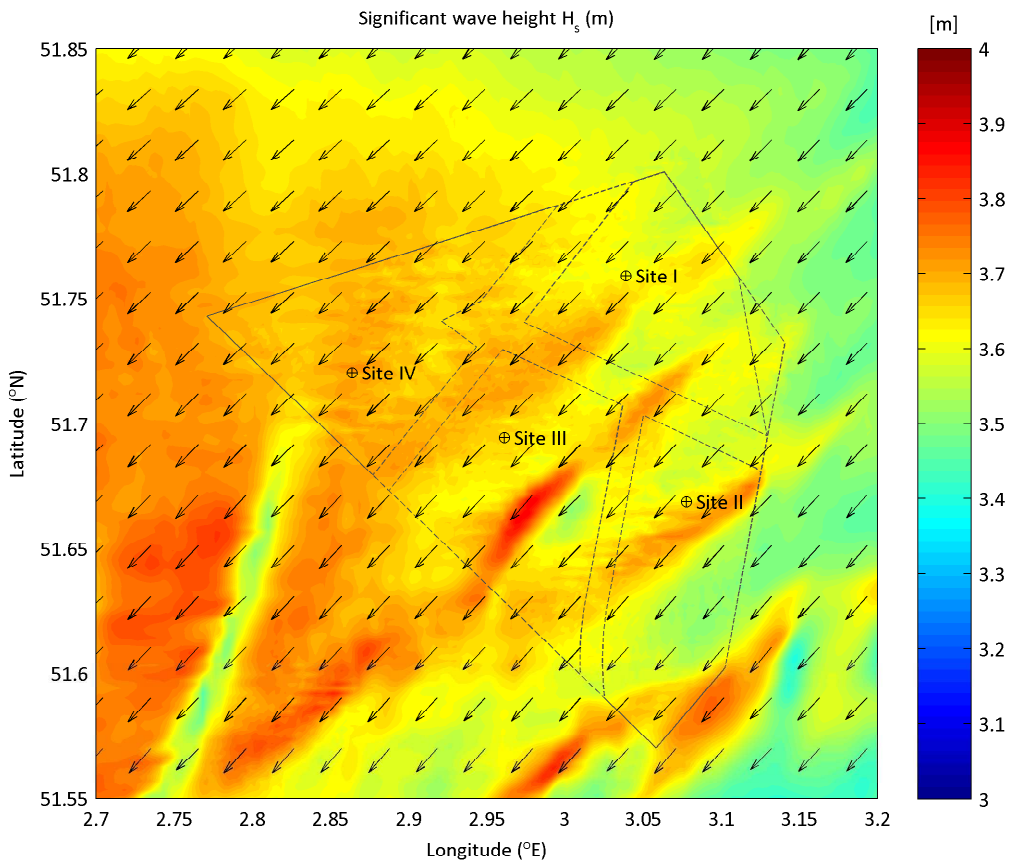
Extreme wave condition from Sector45 (°N) - 75 (°E)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.014



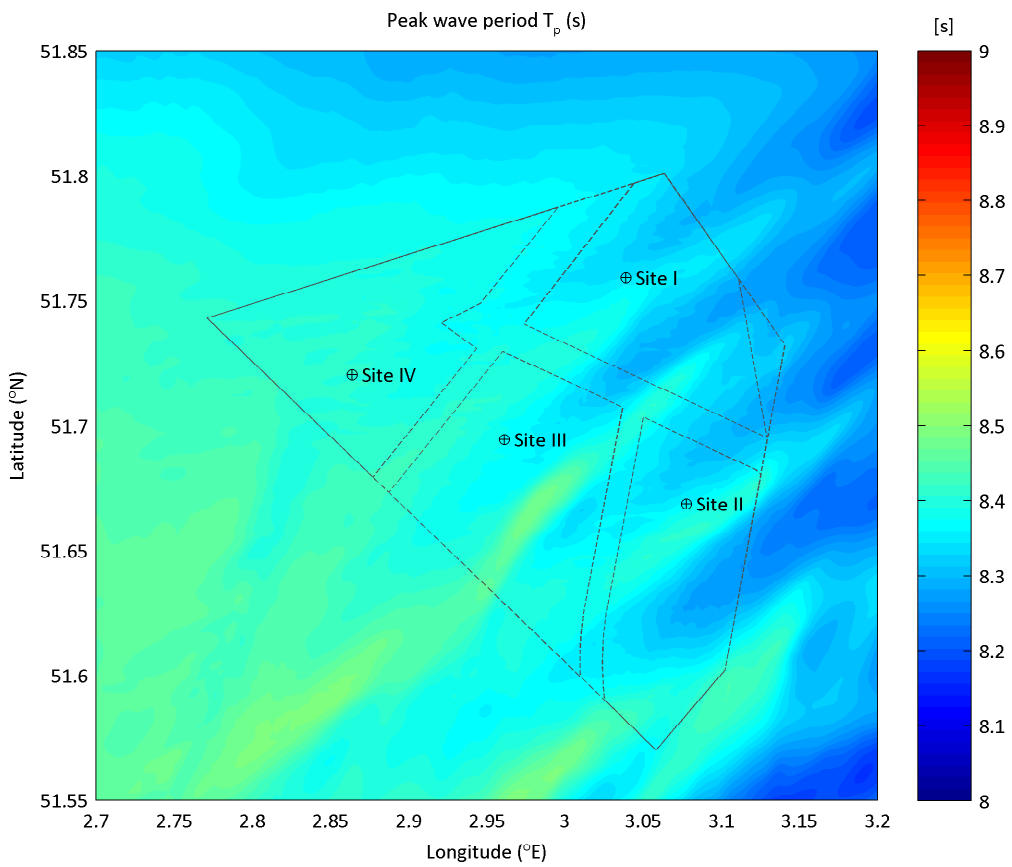
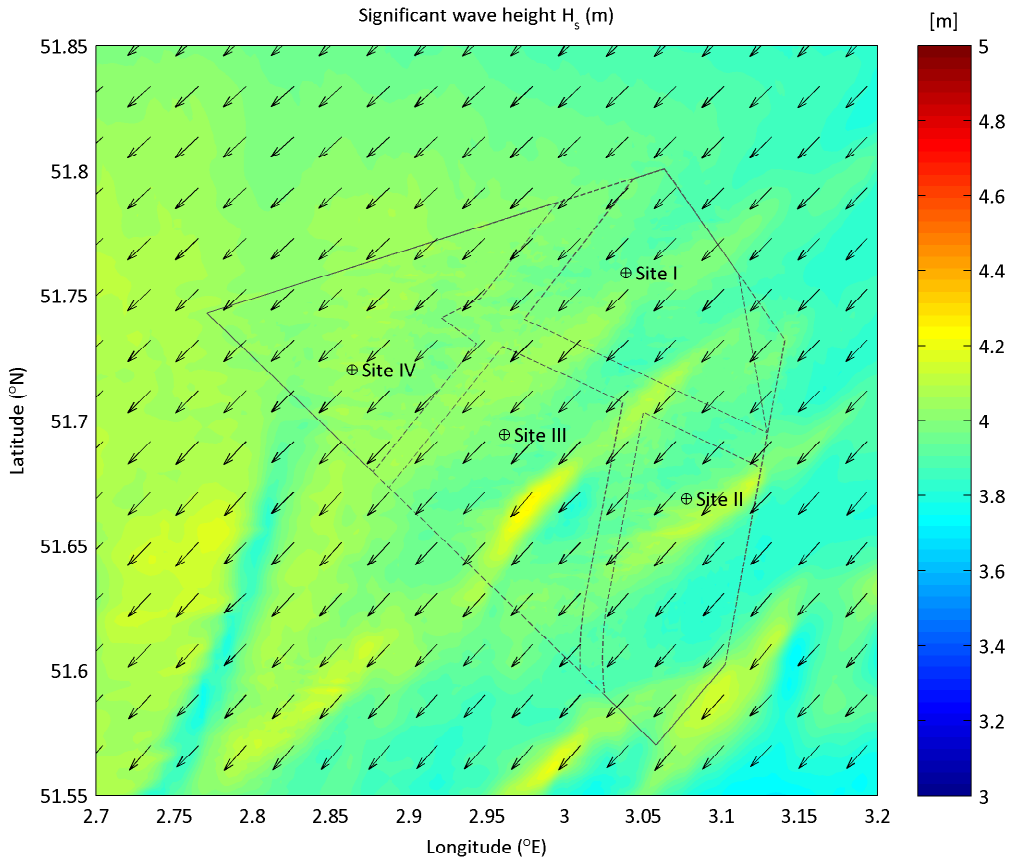
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.015



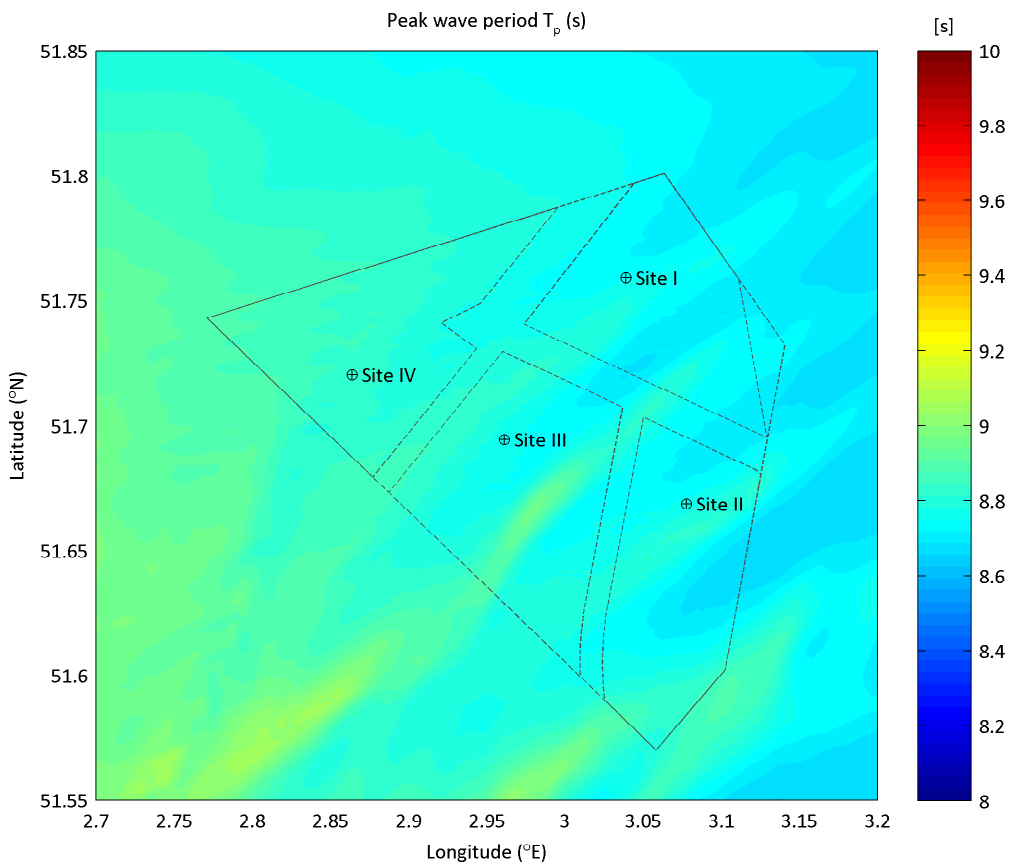
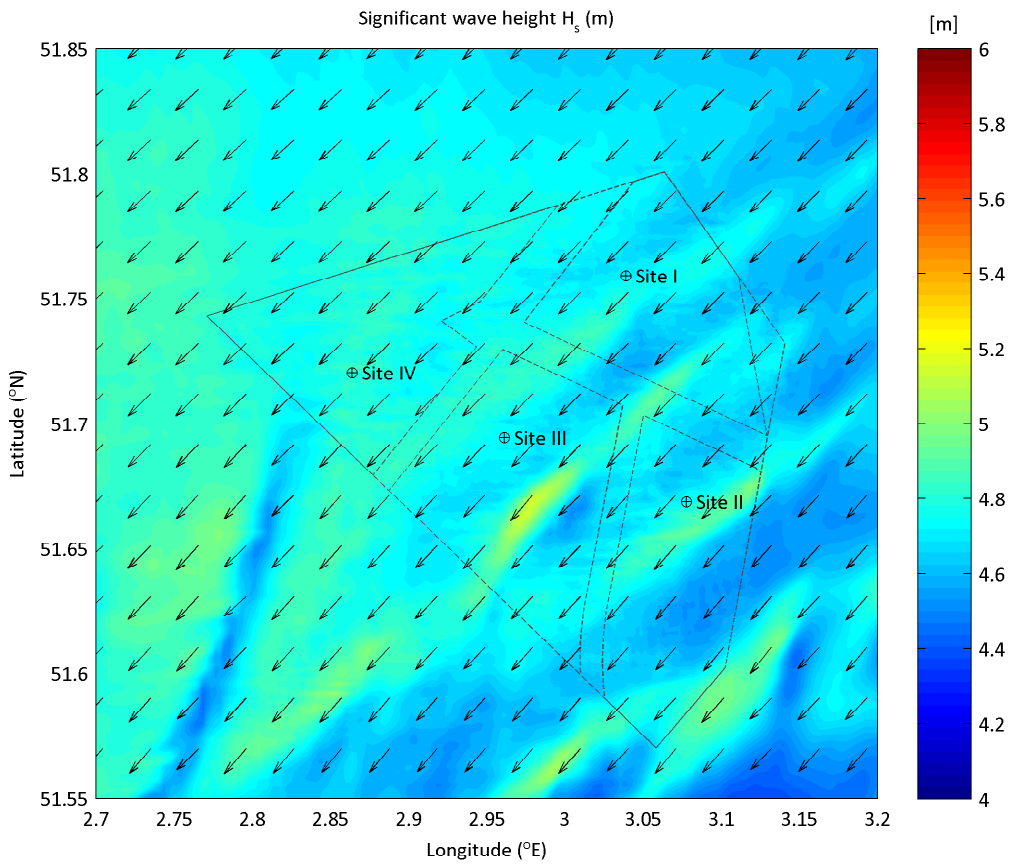
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.016



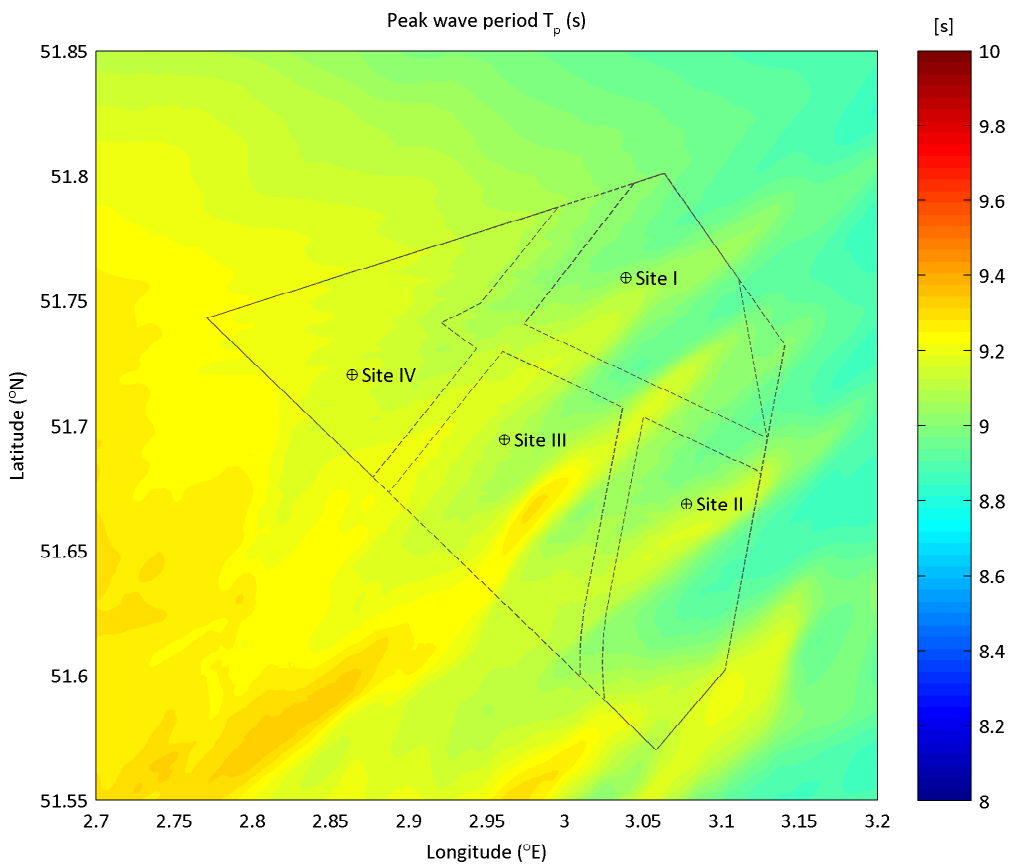
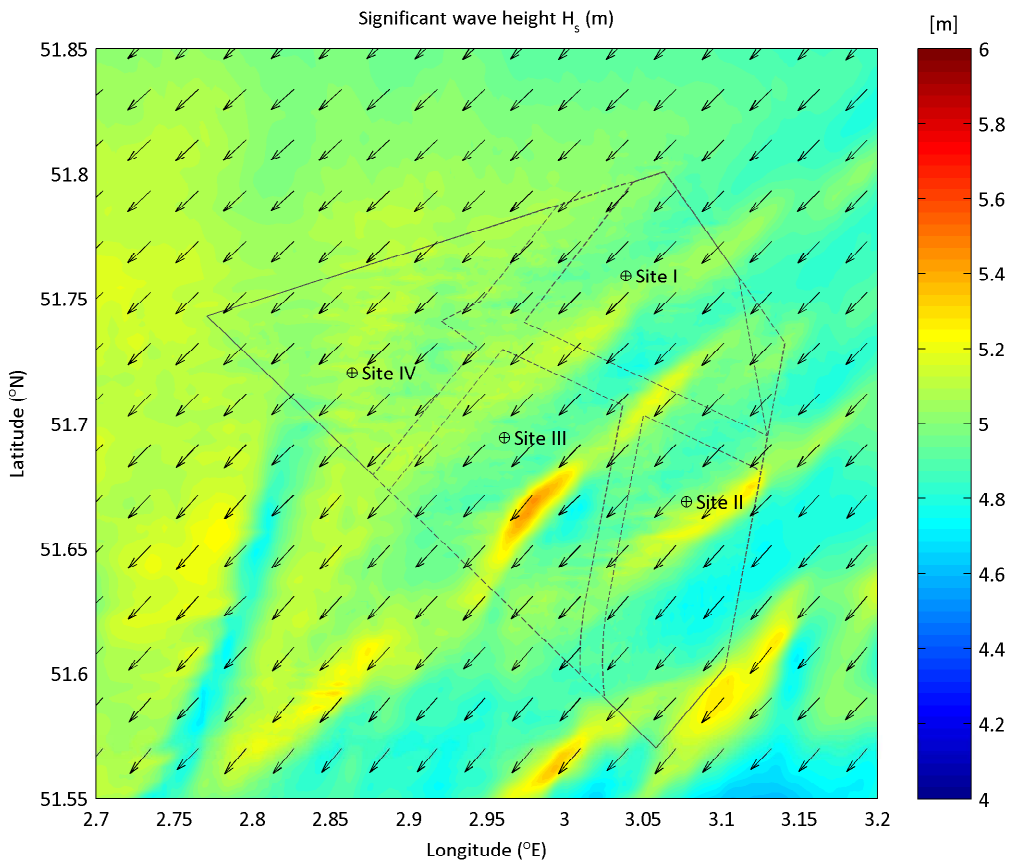
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.017



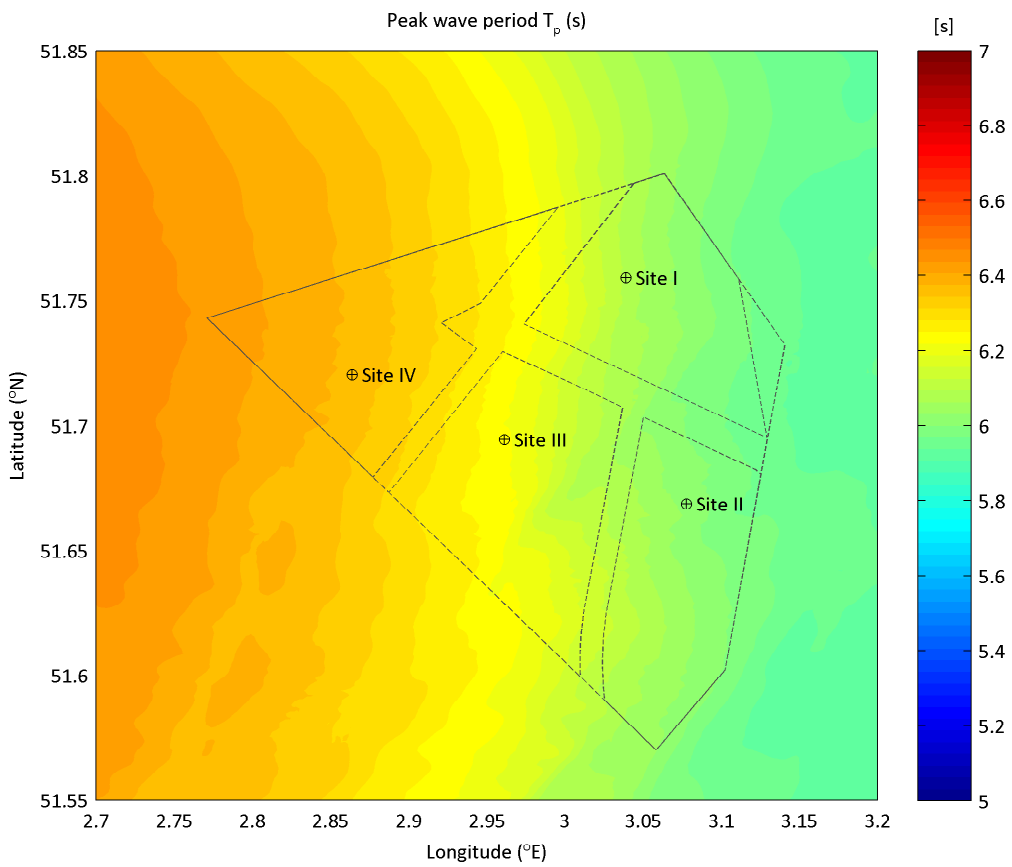
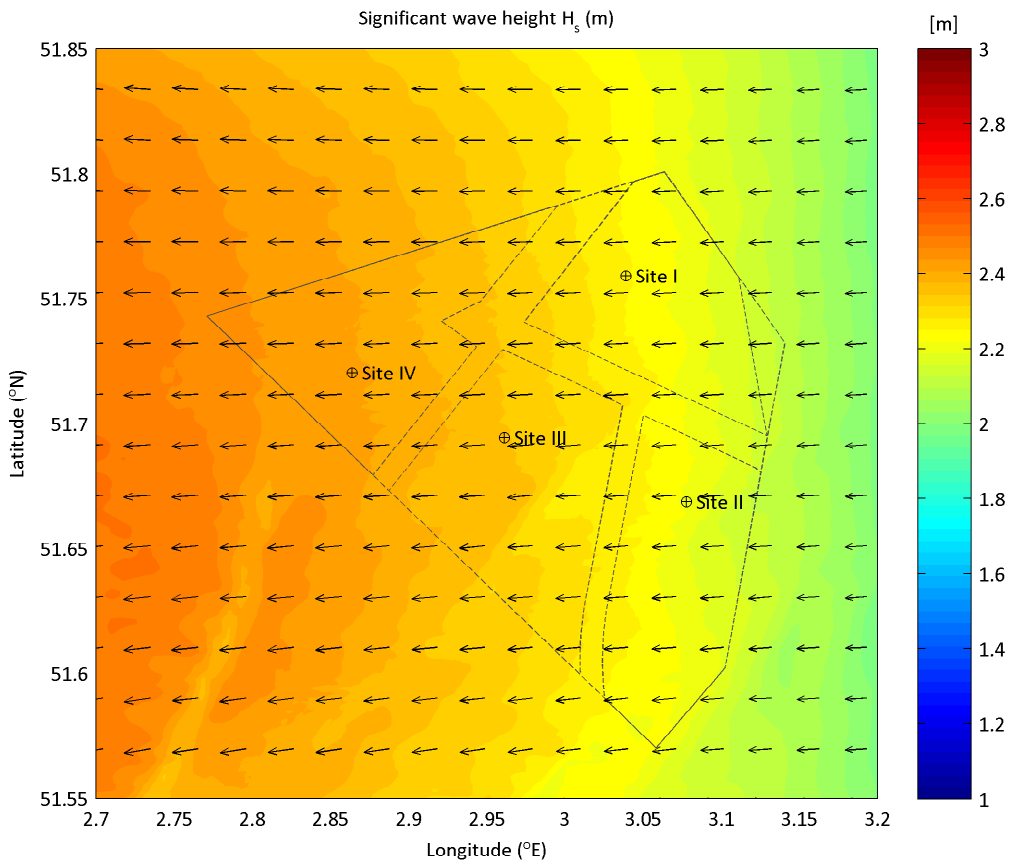
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.018



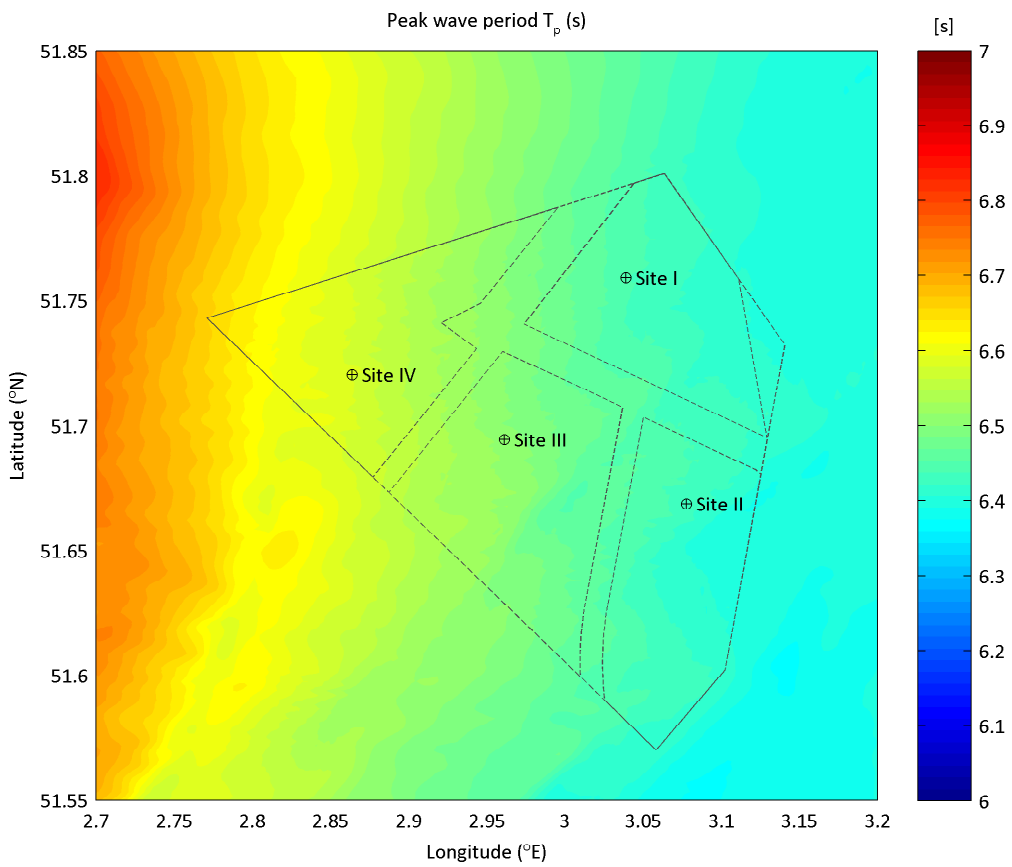
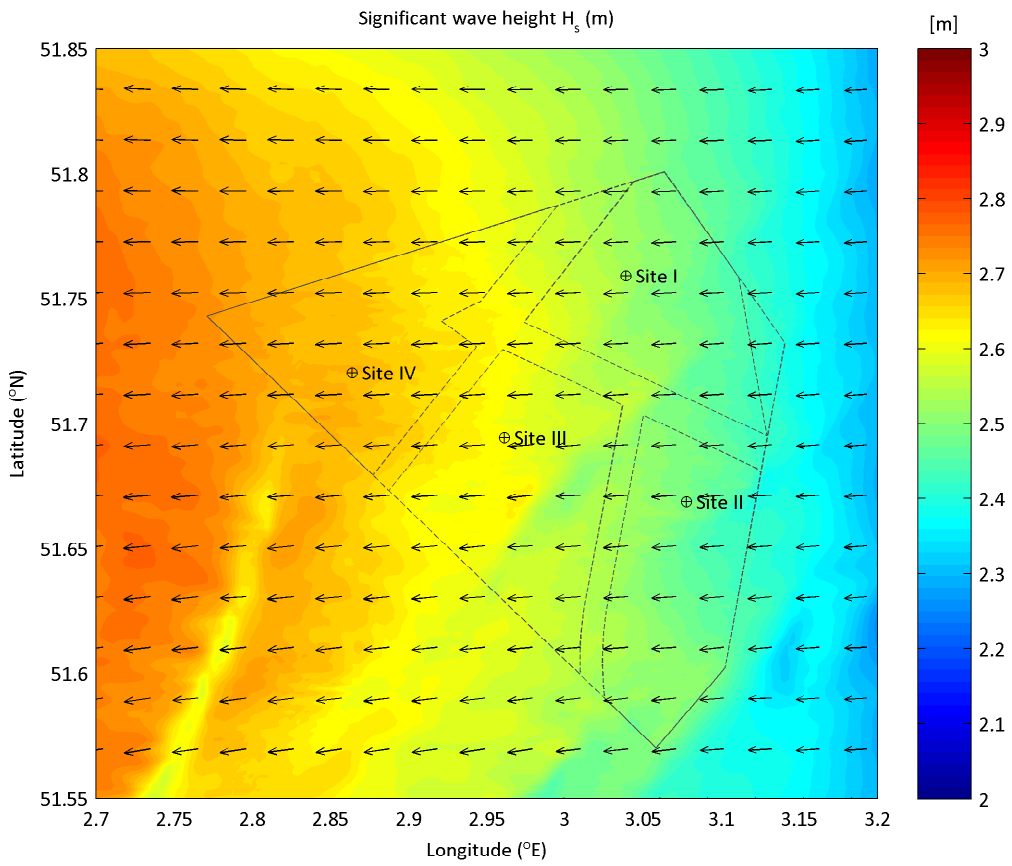
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.019



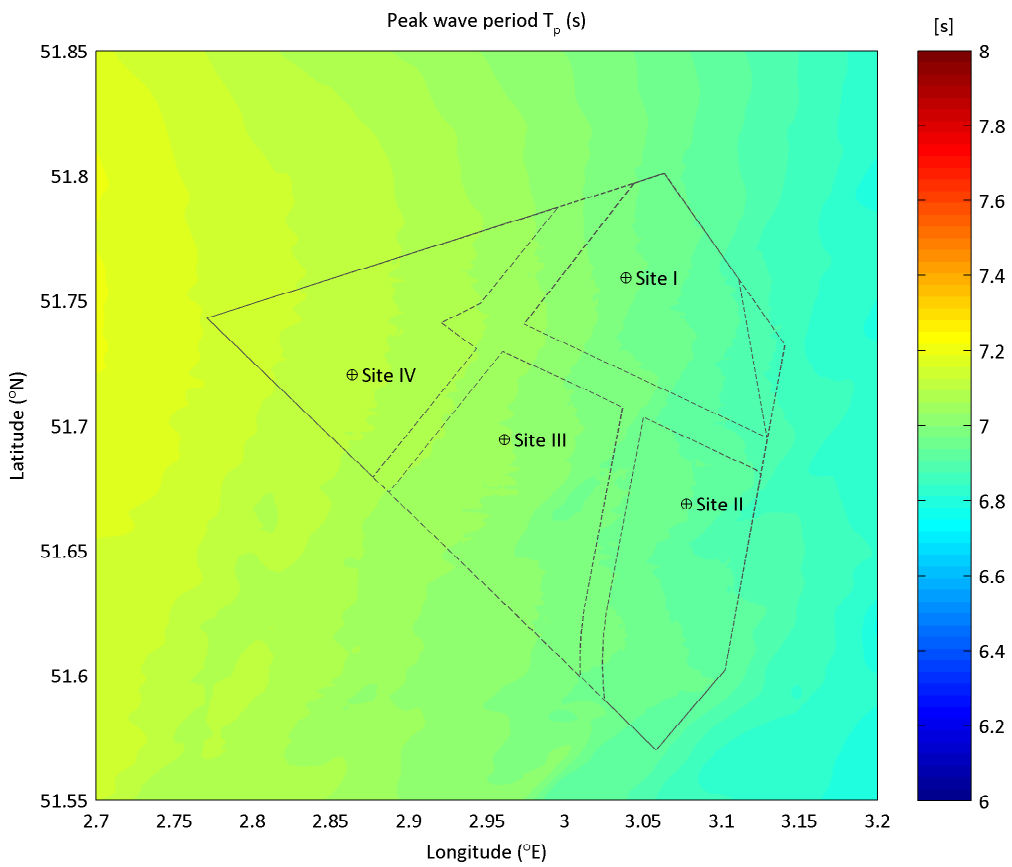
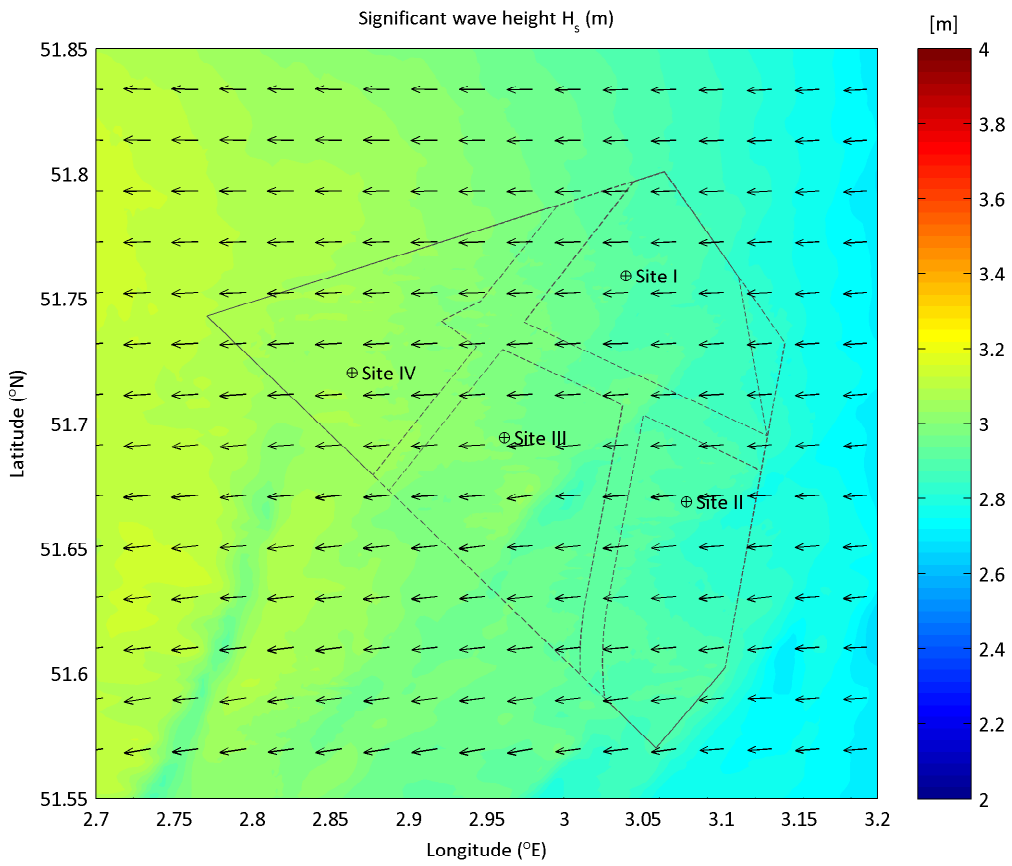
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.020



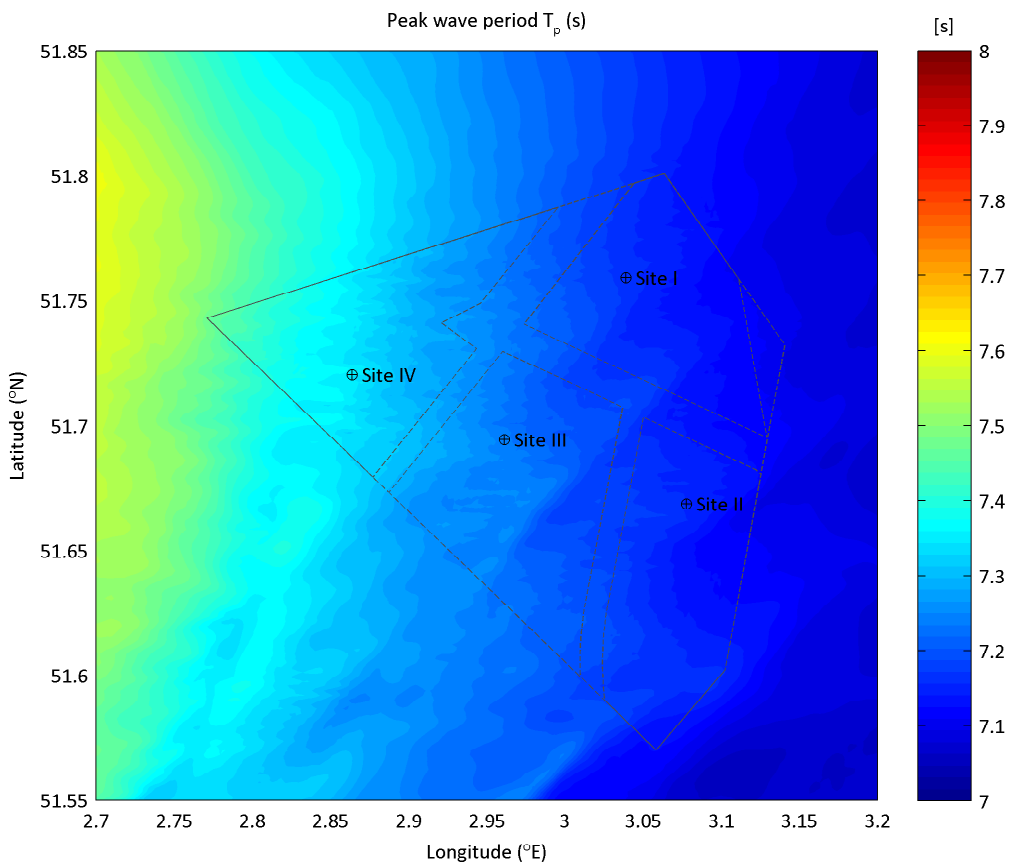
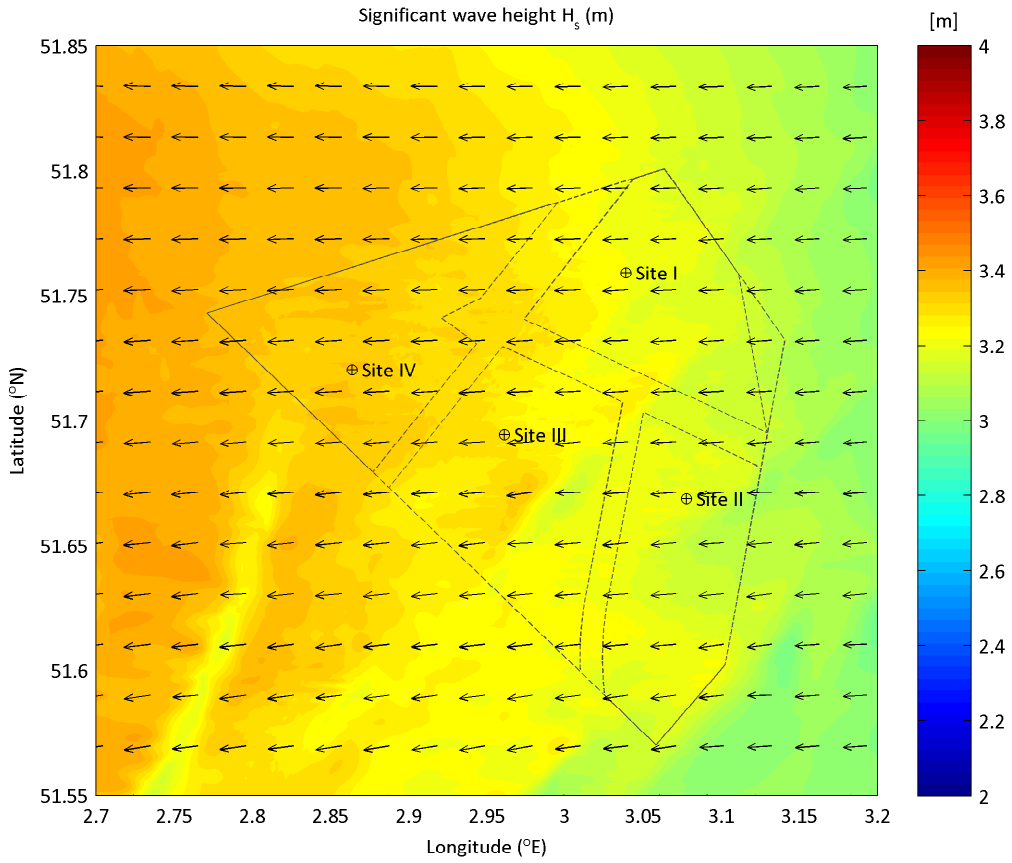
Extreme wave condition from Sector75 (°N) - 105 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.021



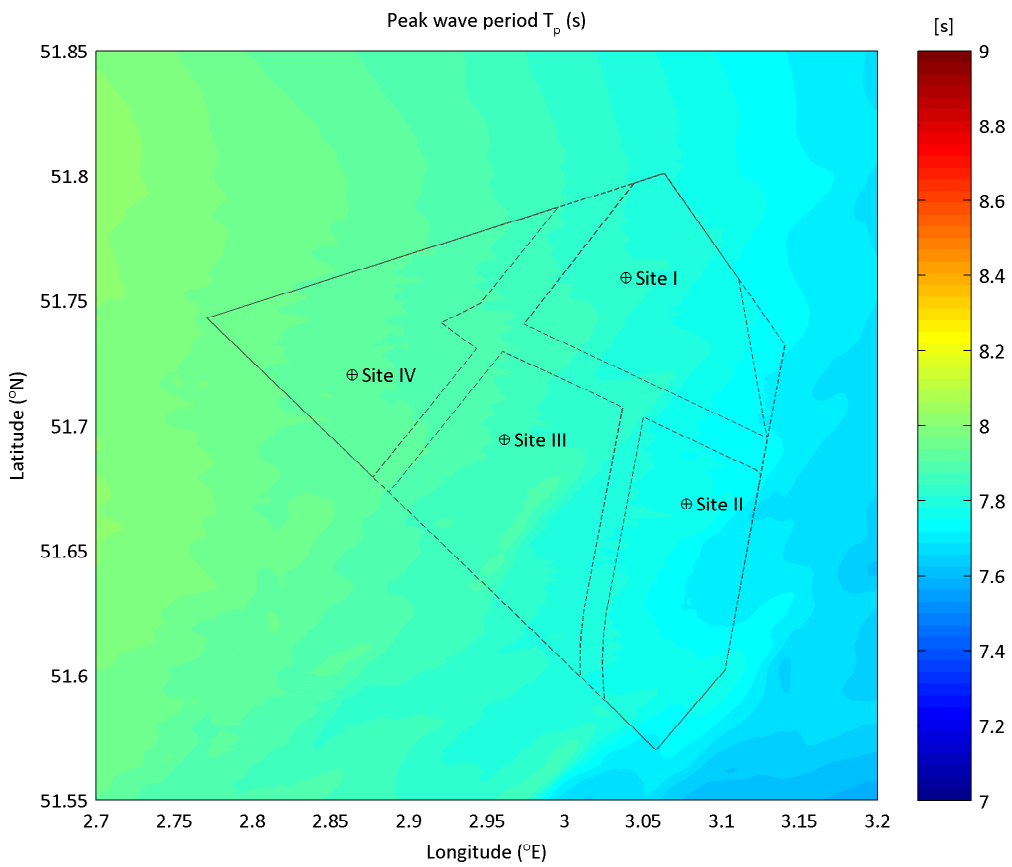
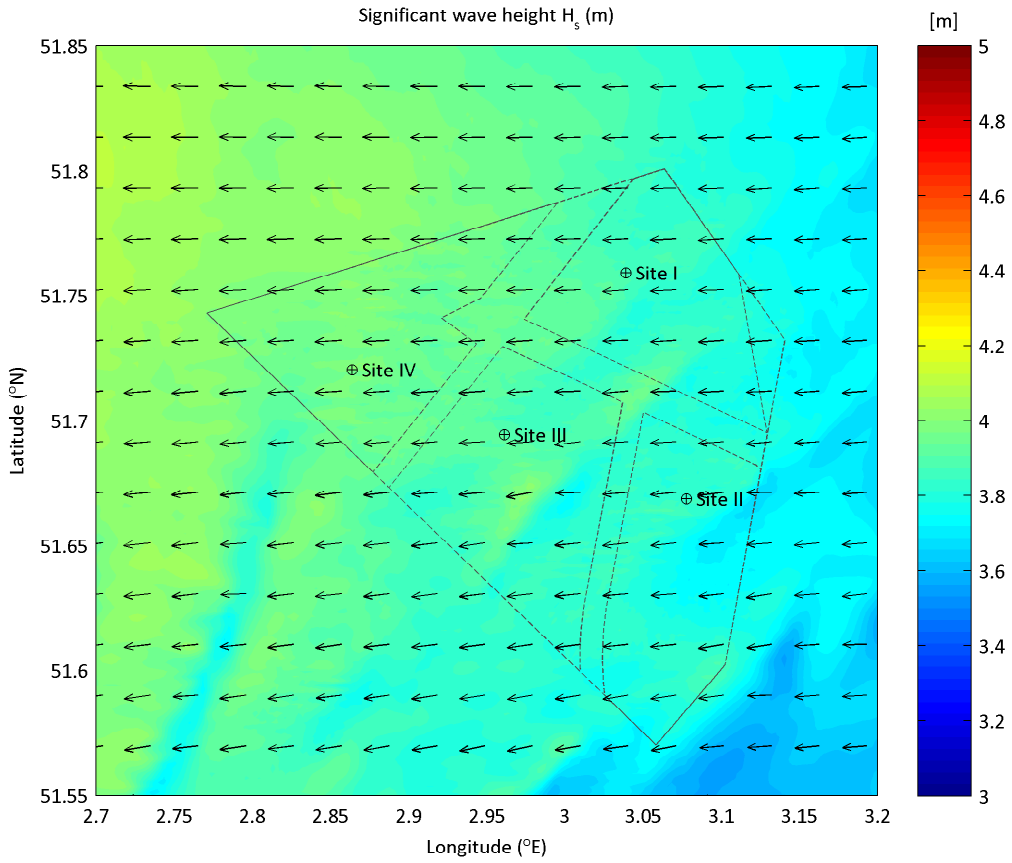
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.022



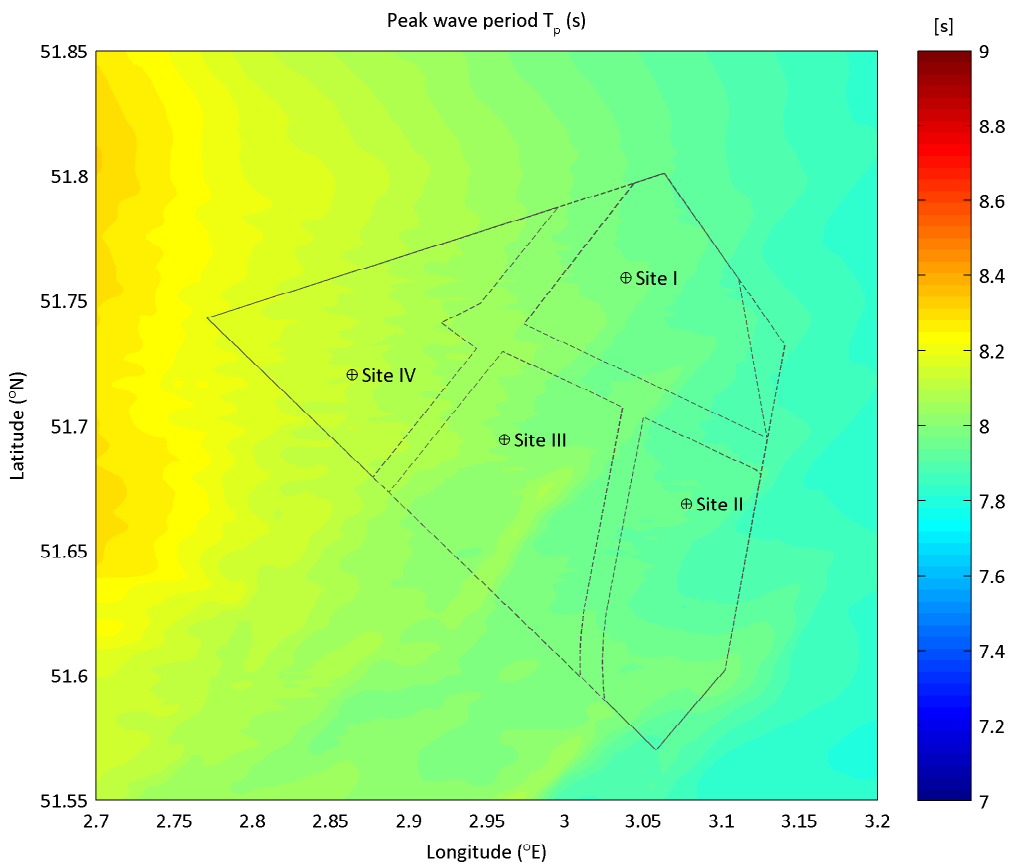
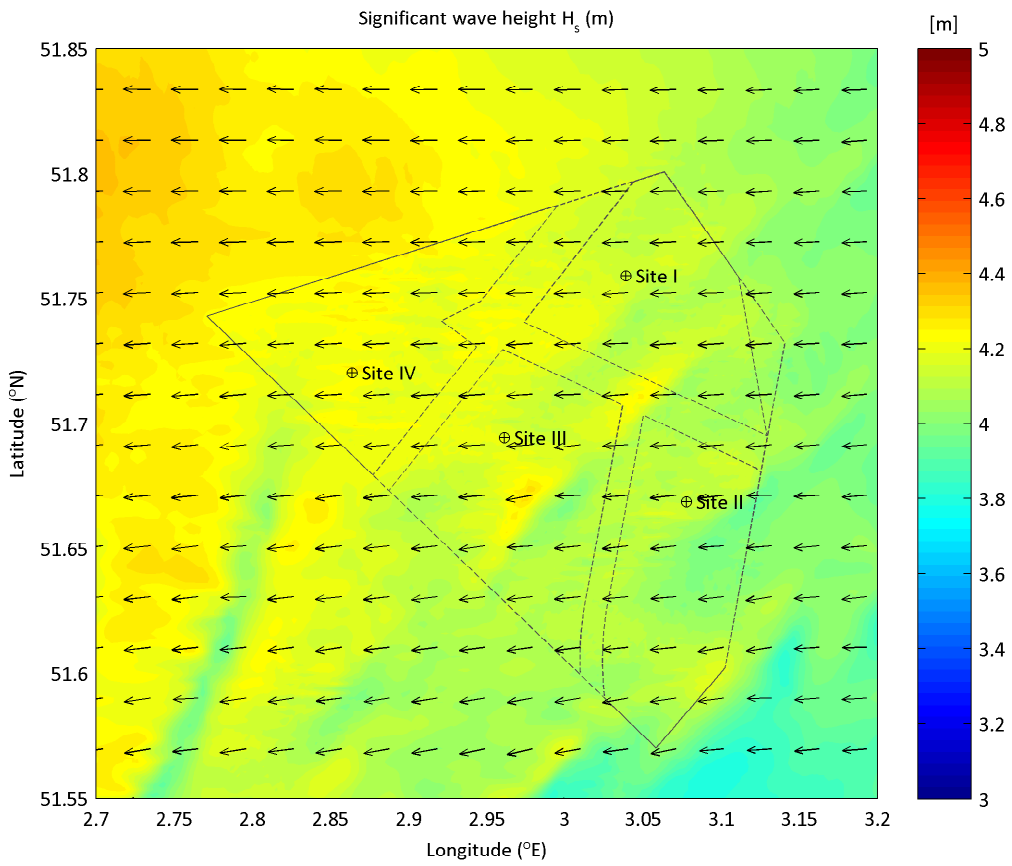
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.023



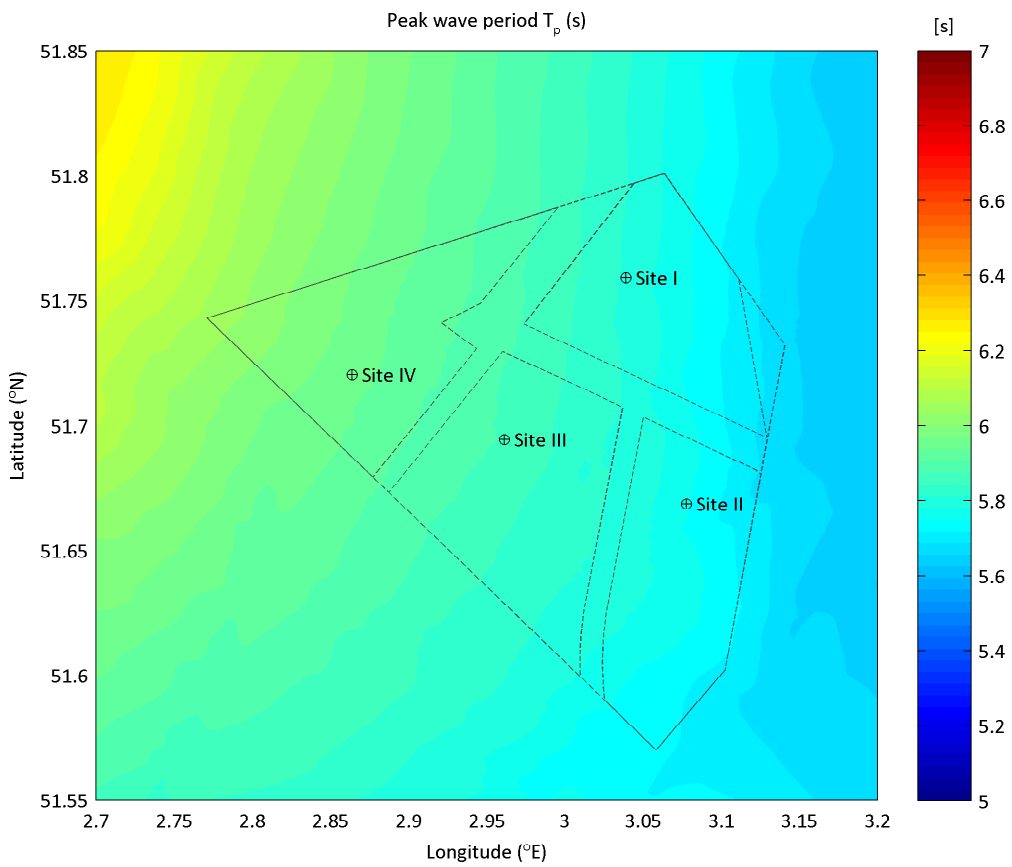
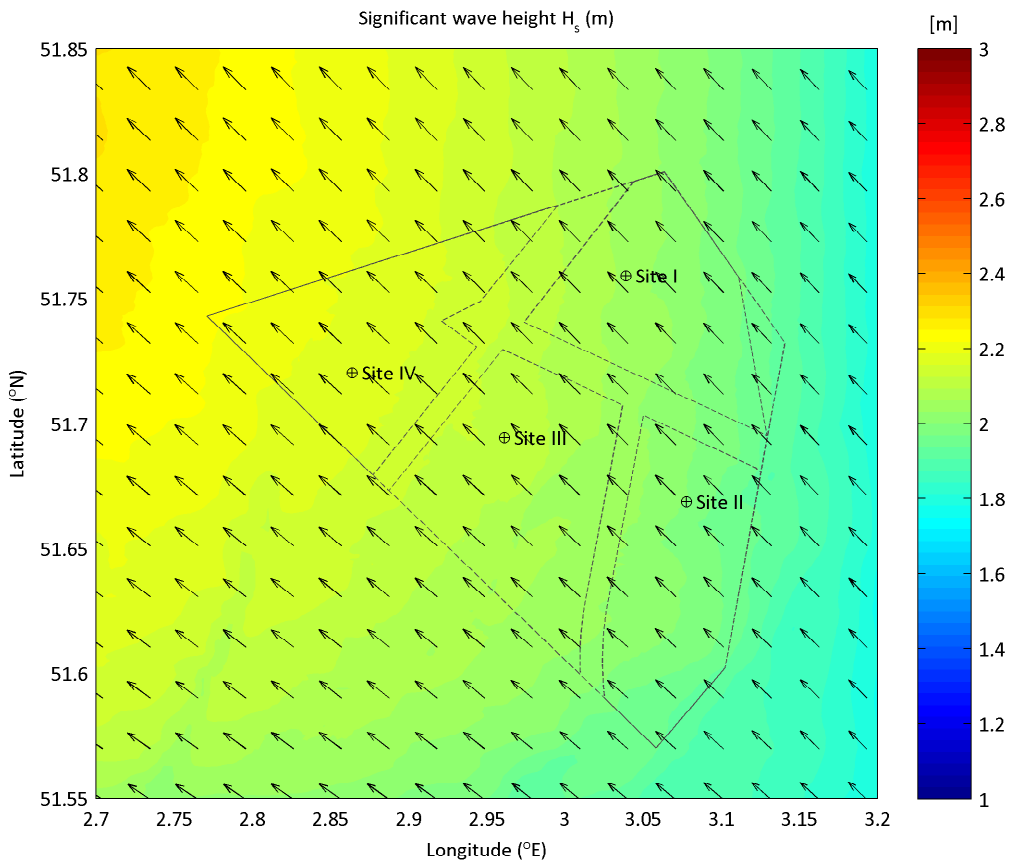
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.024



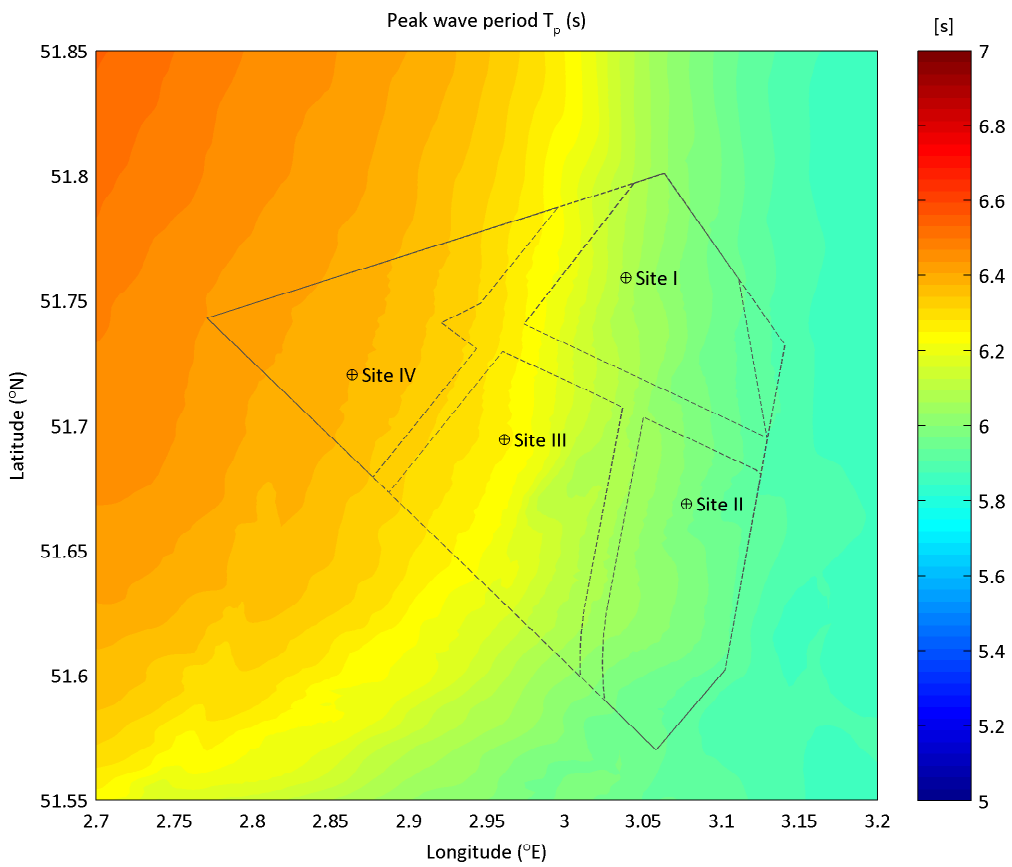
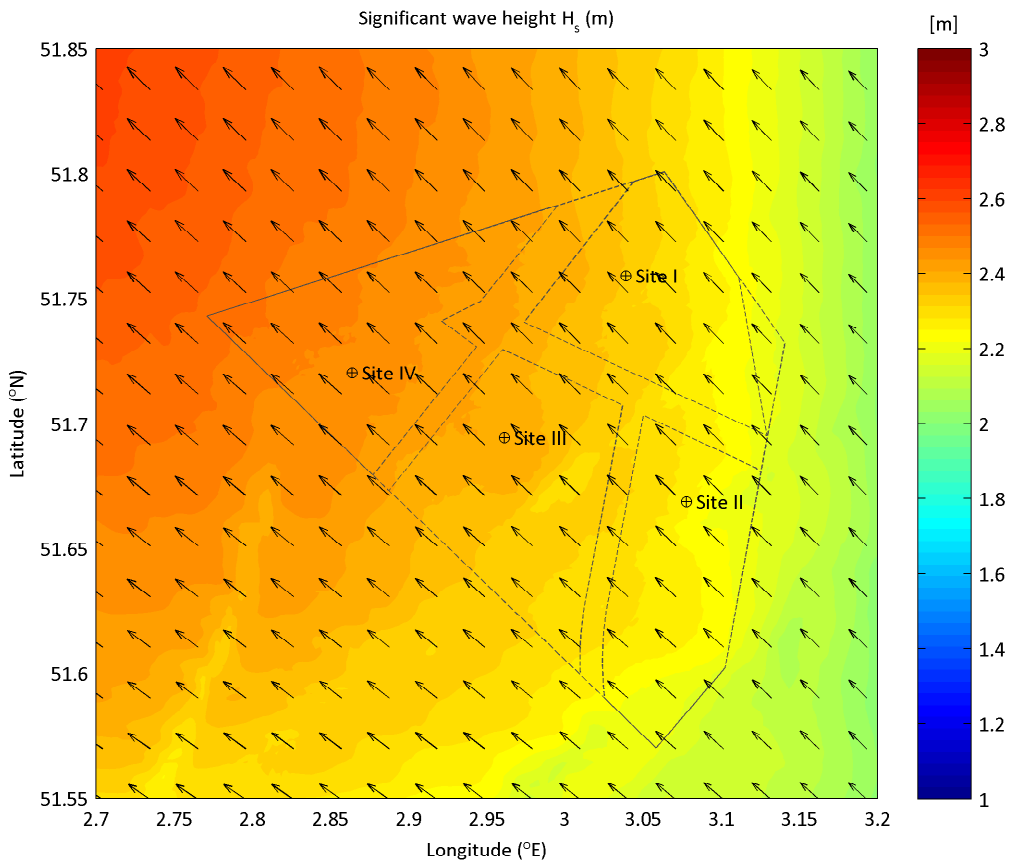
Extreme wave condition from Sector105 (°N) - 135 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.025



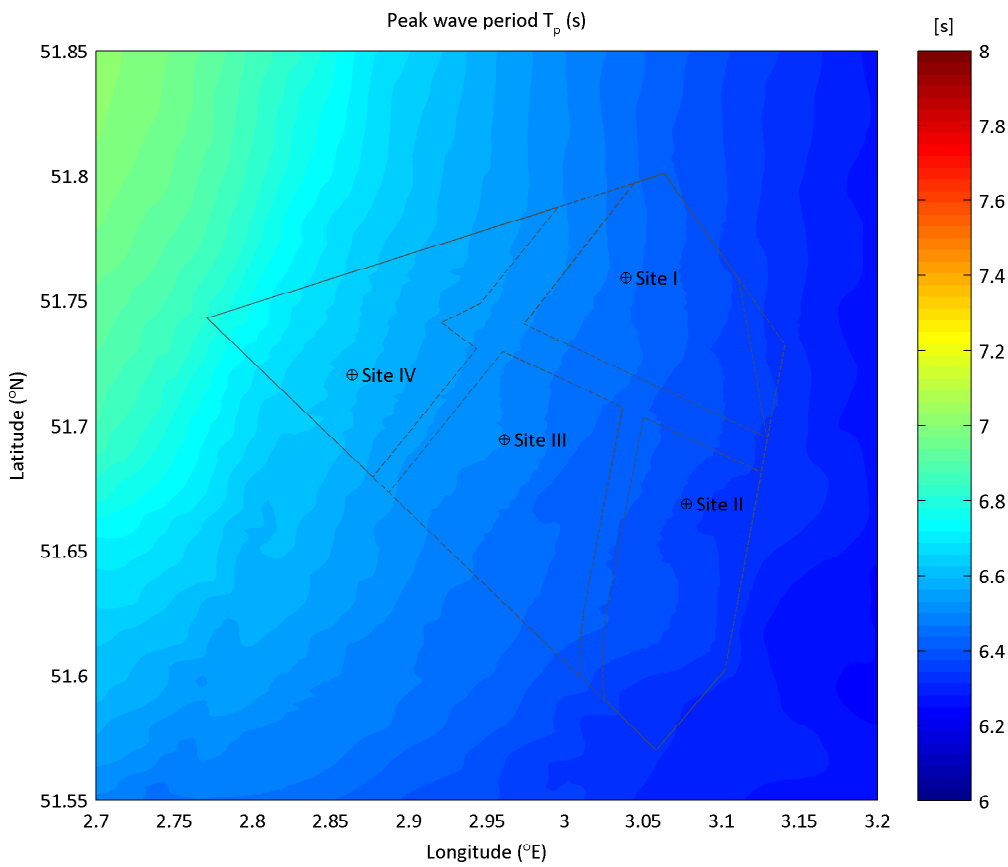
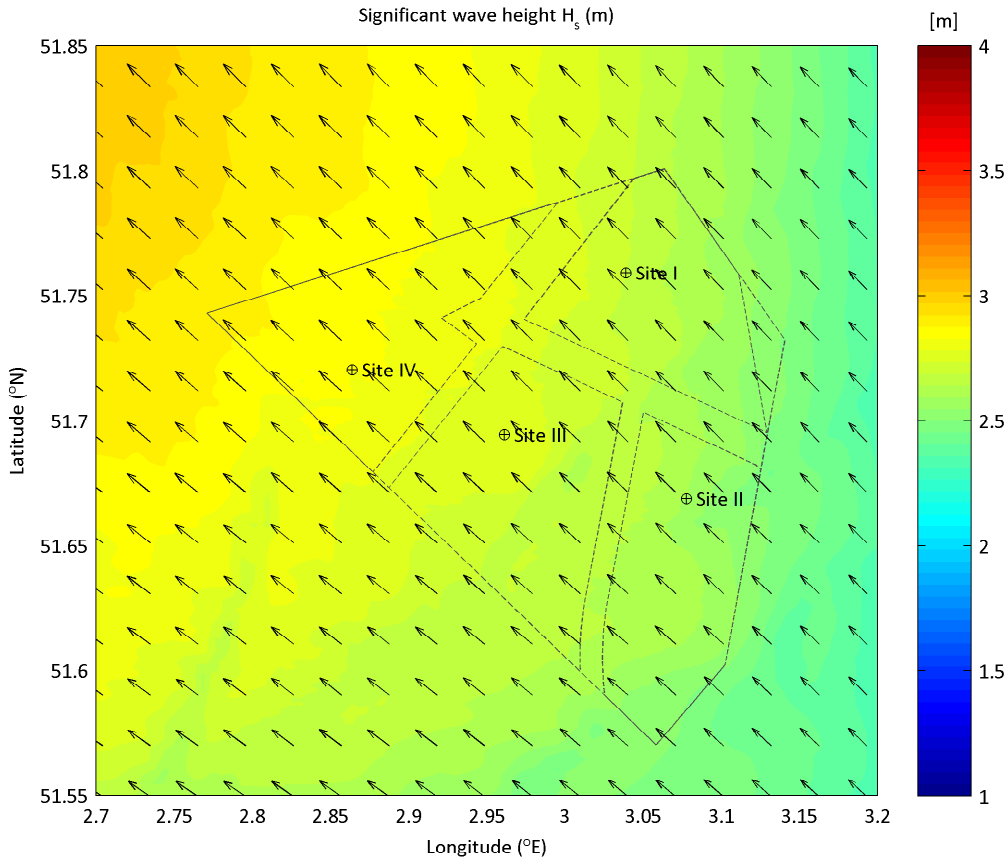
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.026



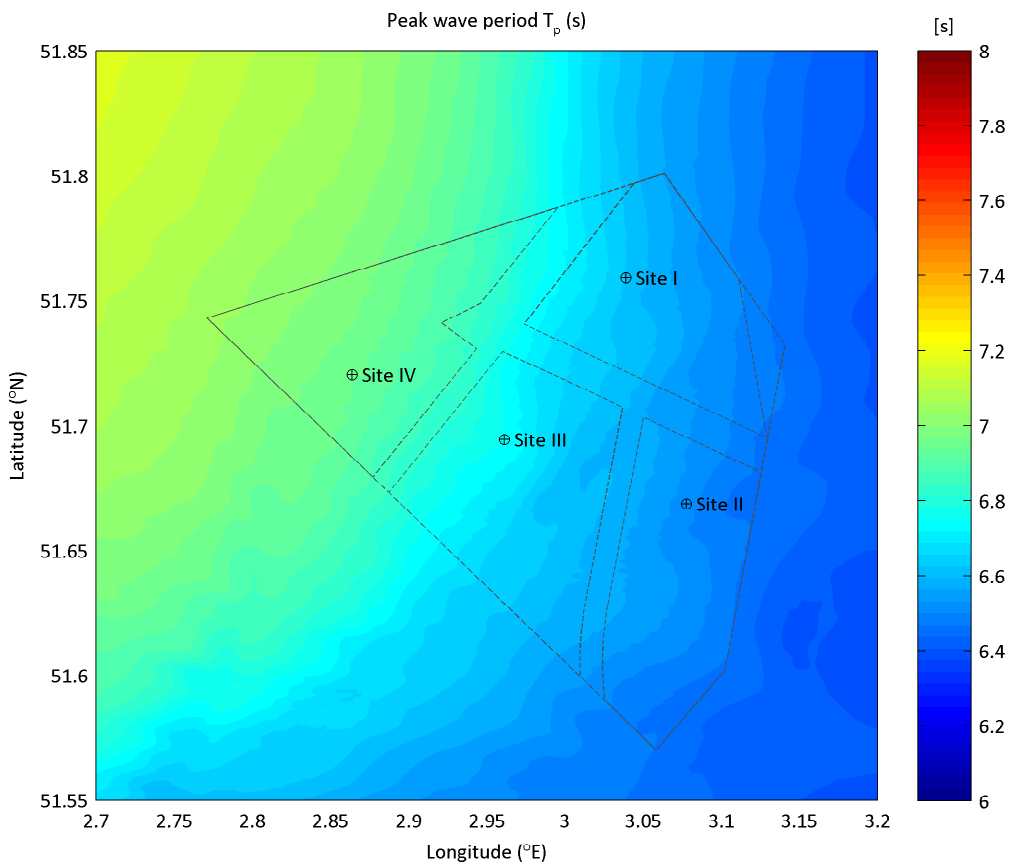
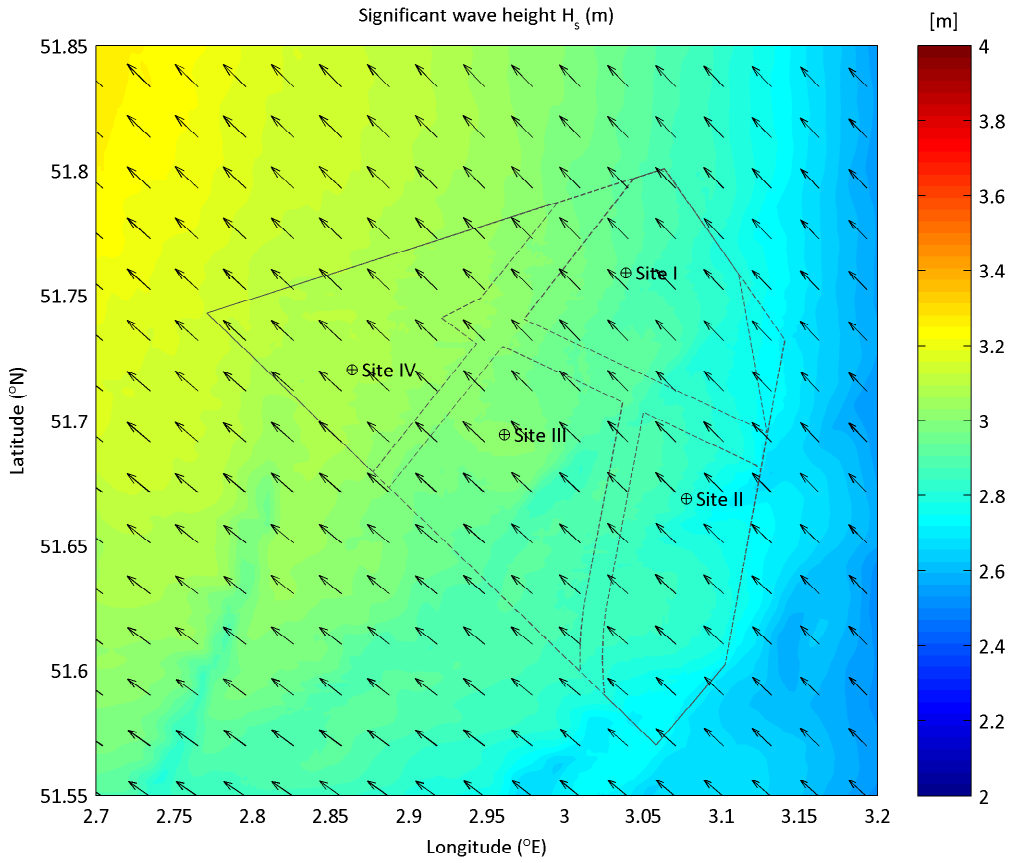
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.027



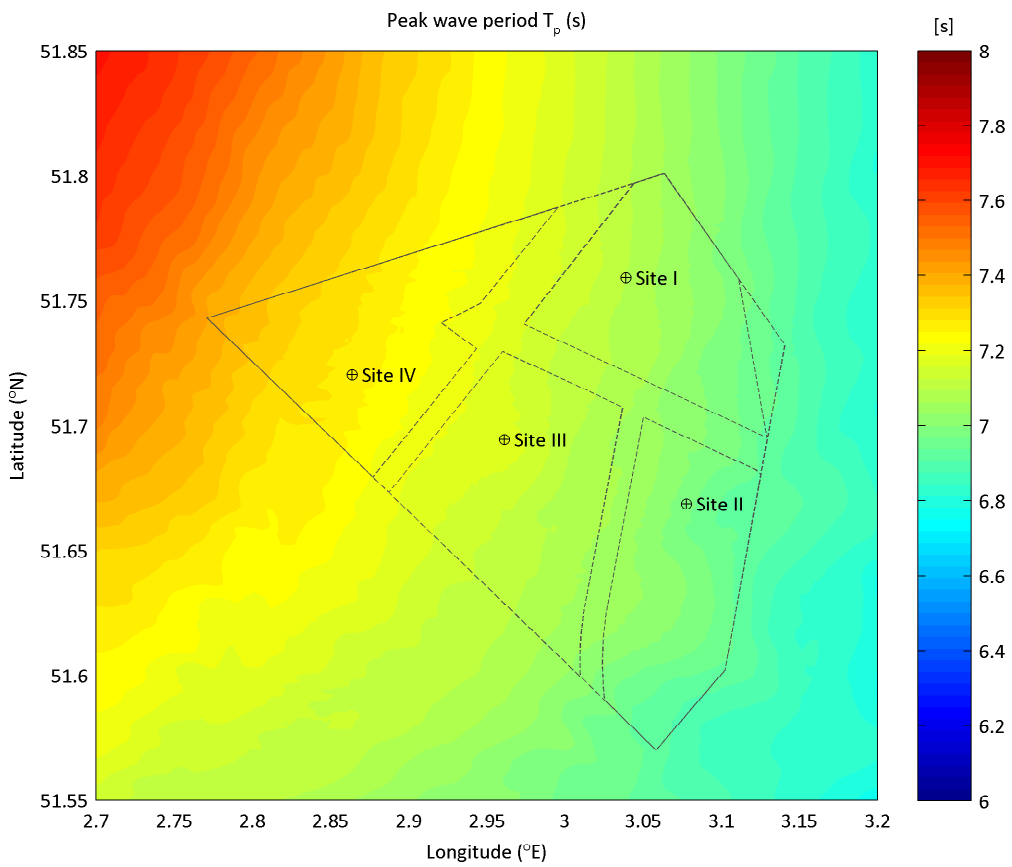
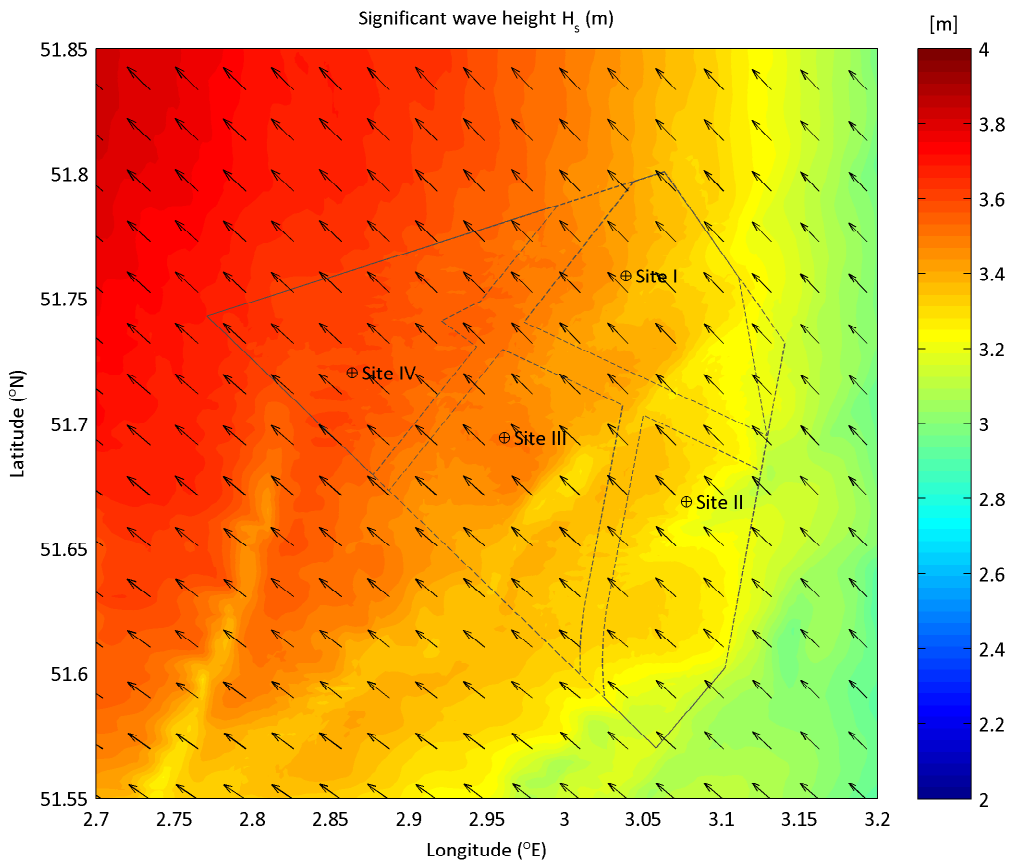
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.028



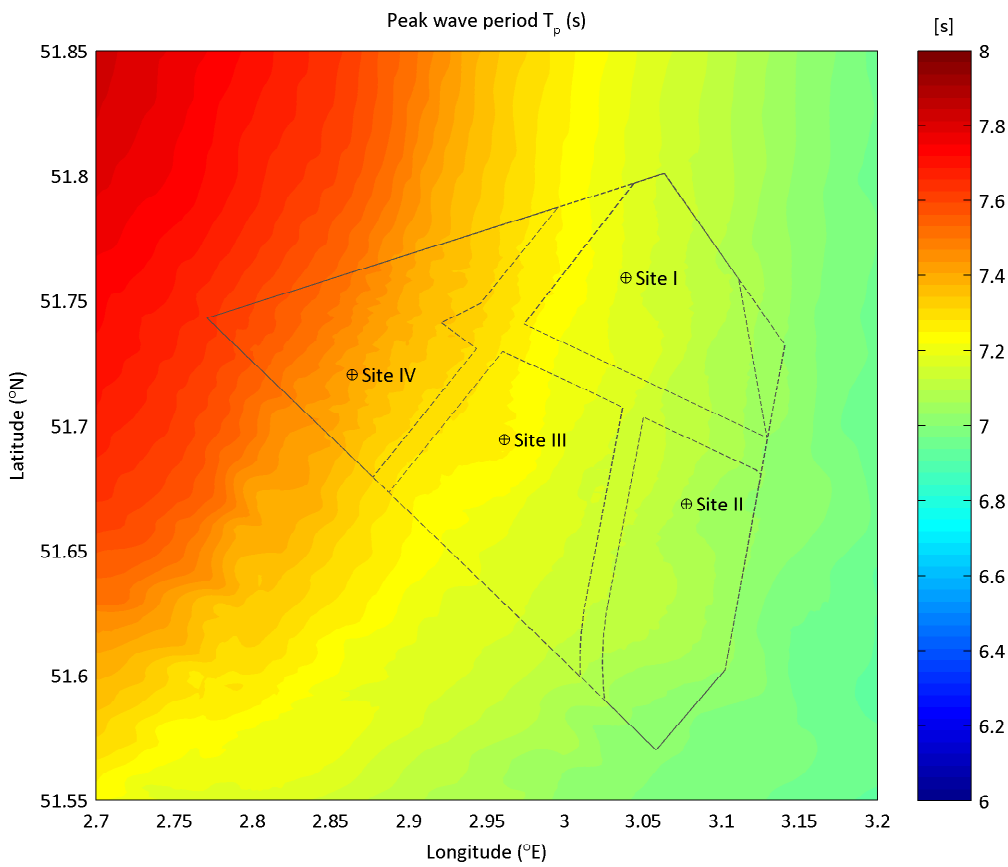
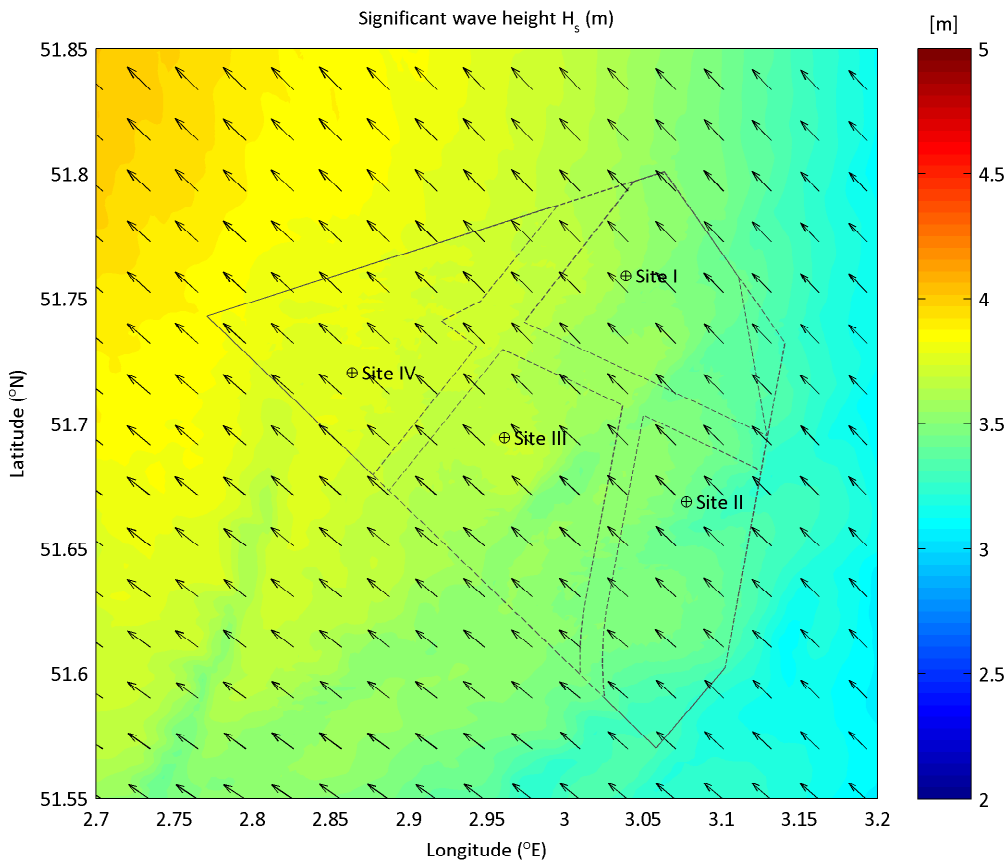
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.029



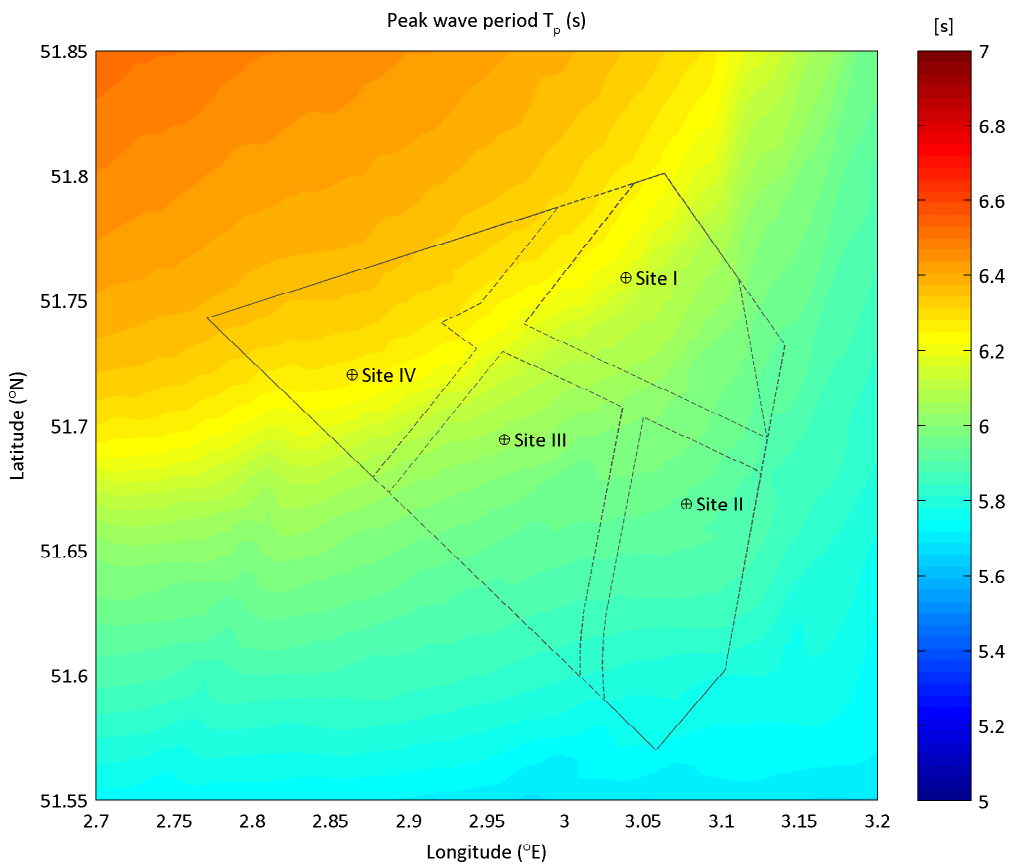
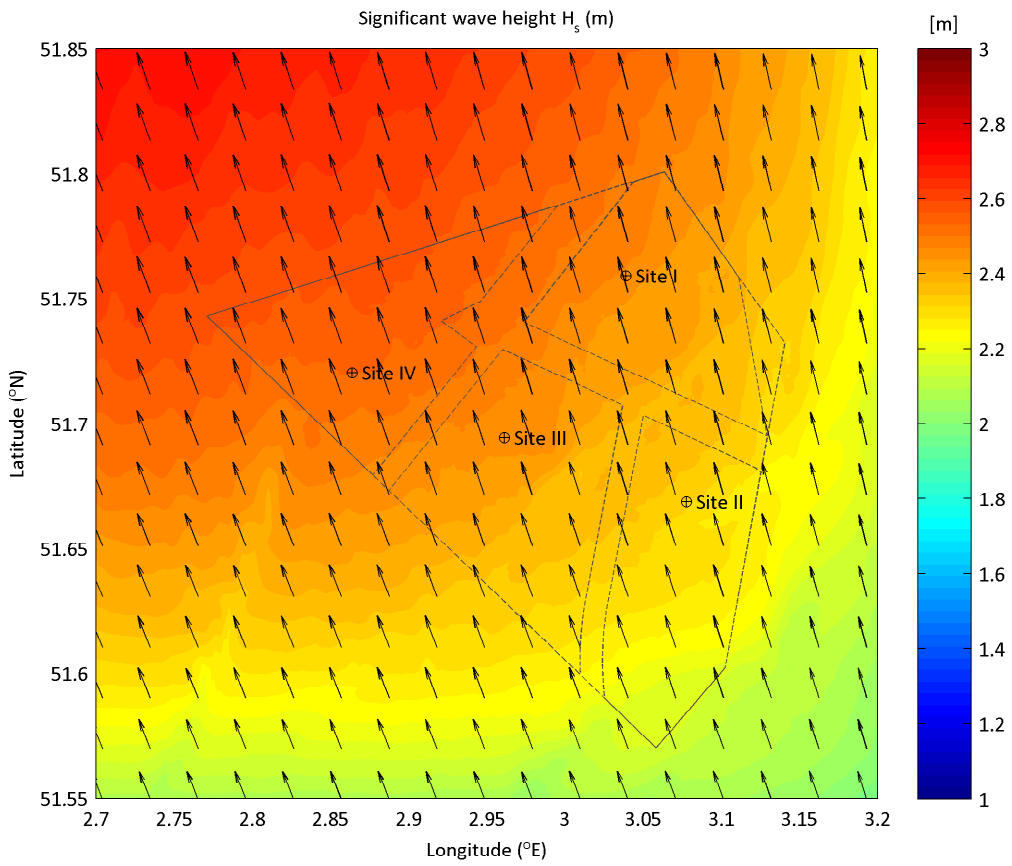
Extreme wave condition from Sector105 (°N) - 135 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.030



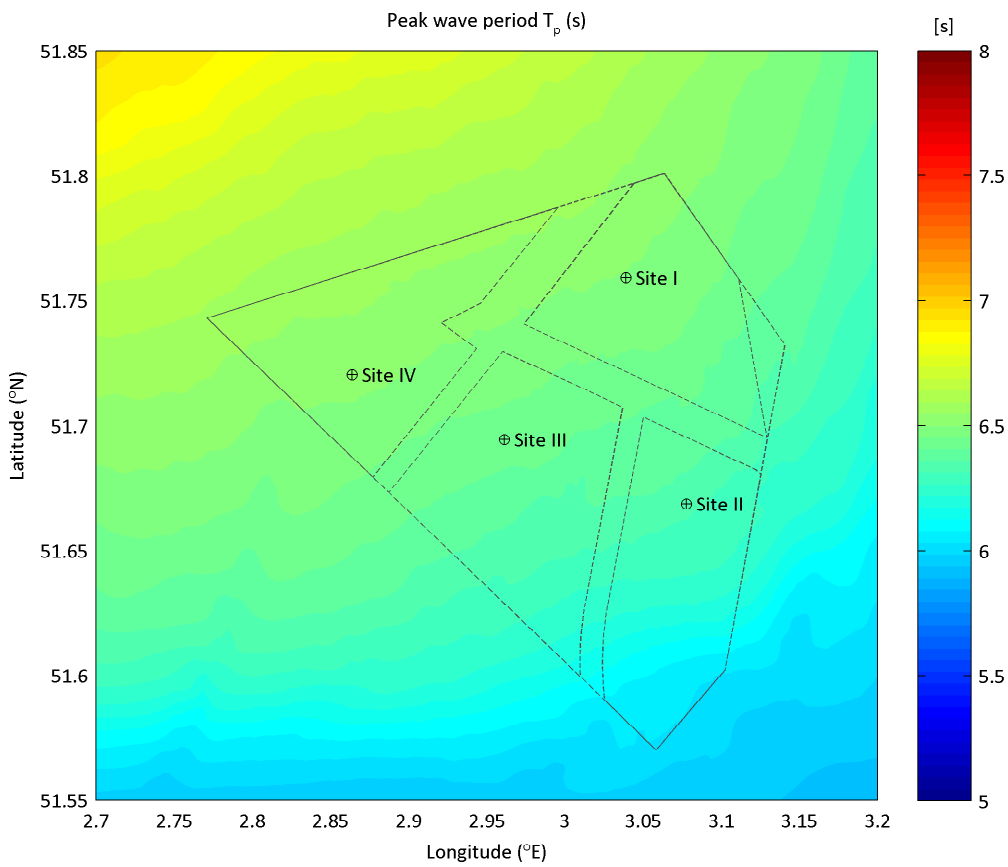
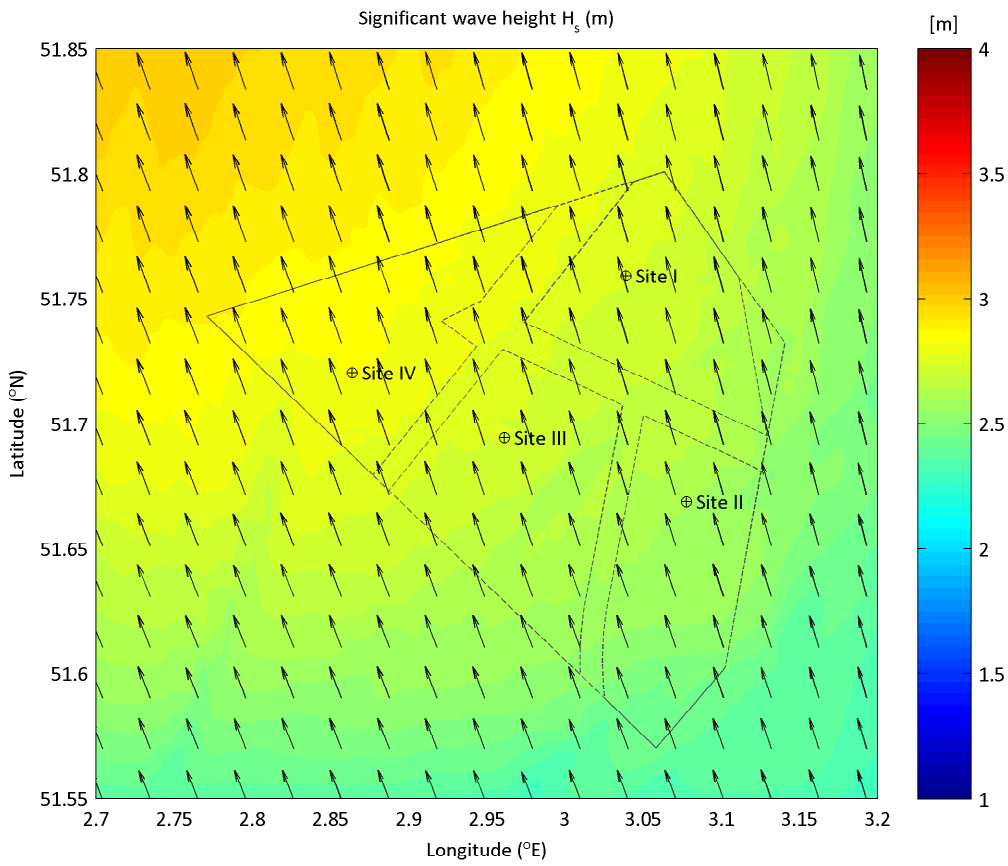
Extreme wave condition from Sector135 (°N) - 165 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.031



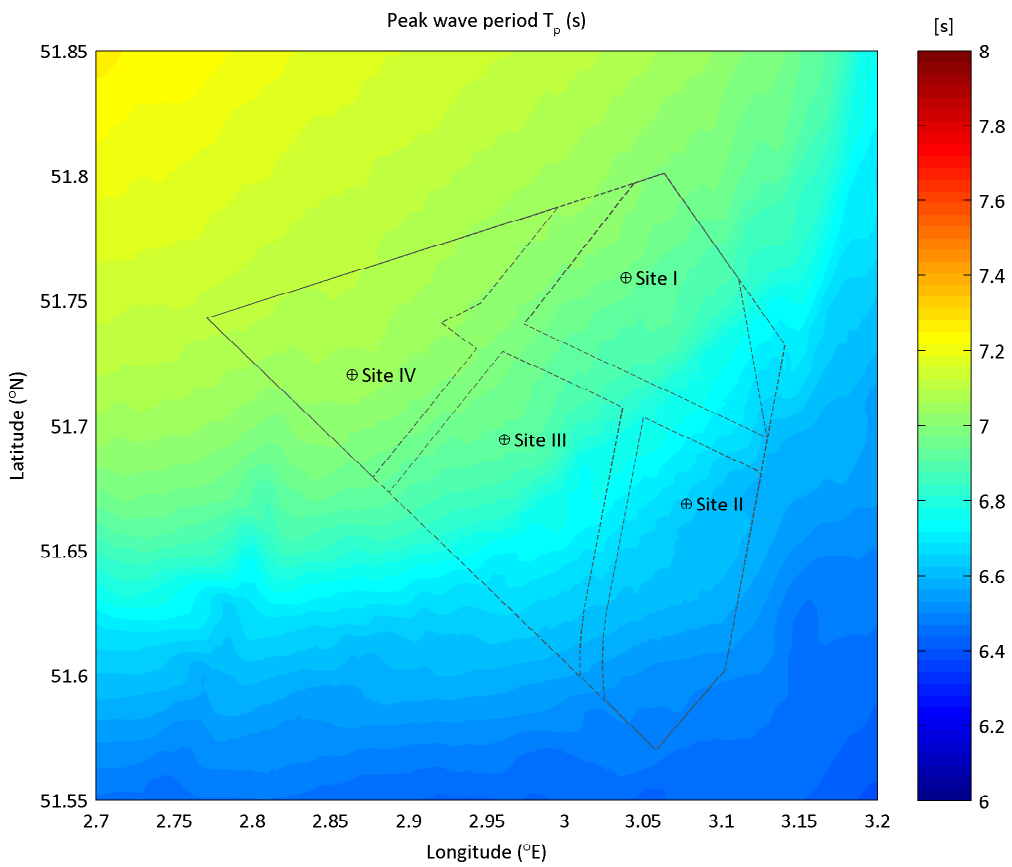
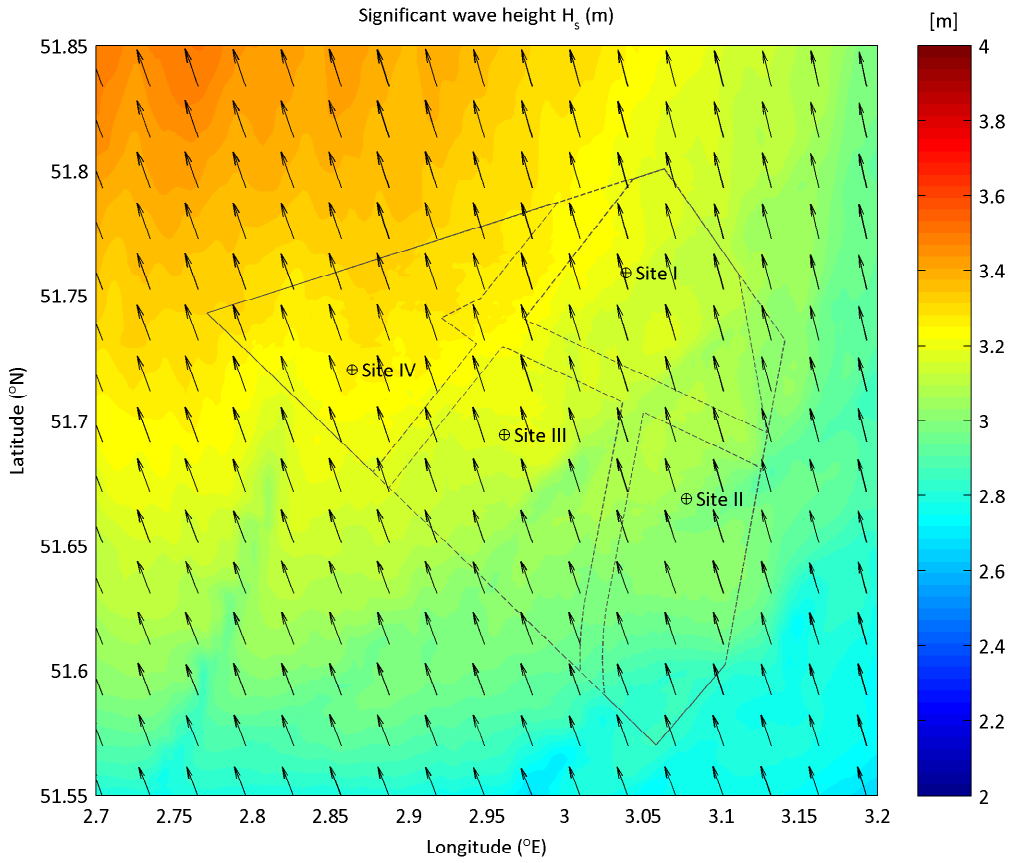
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.032



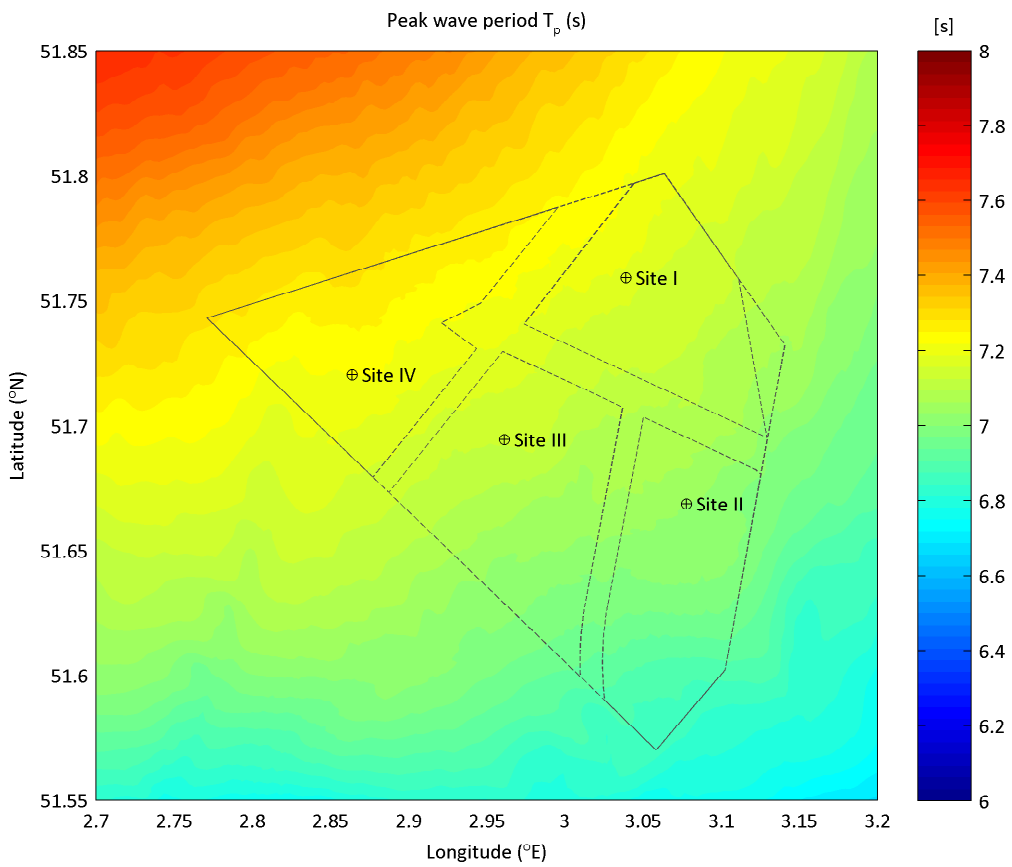
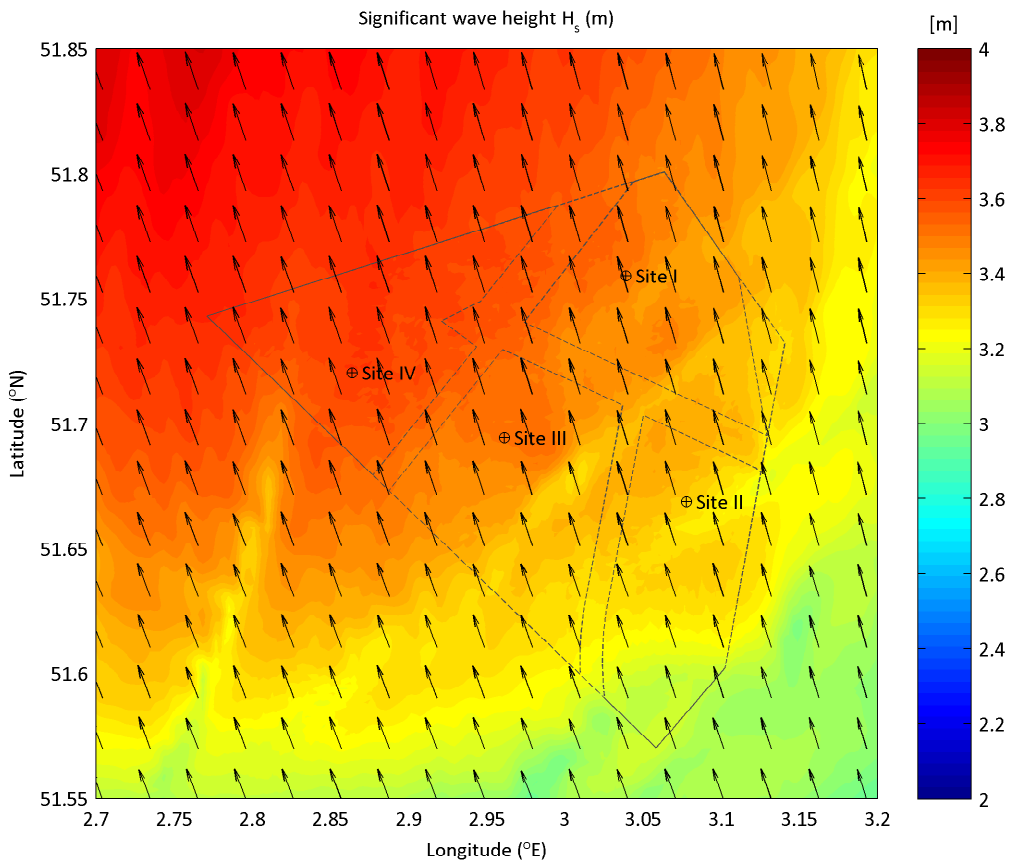
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.033



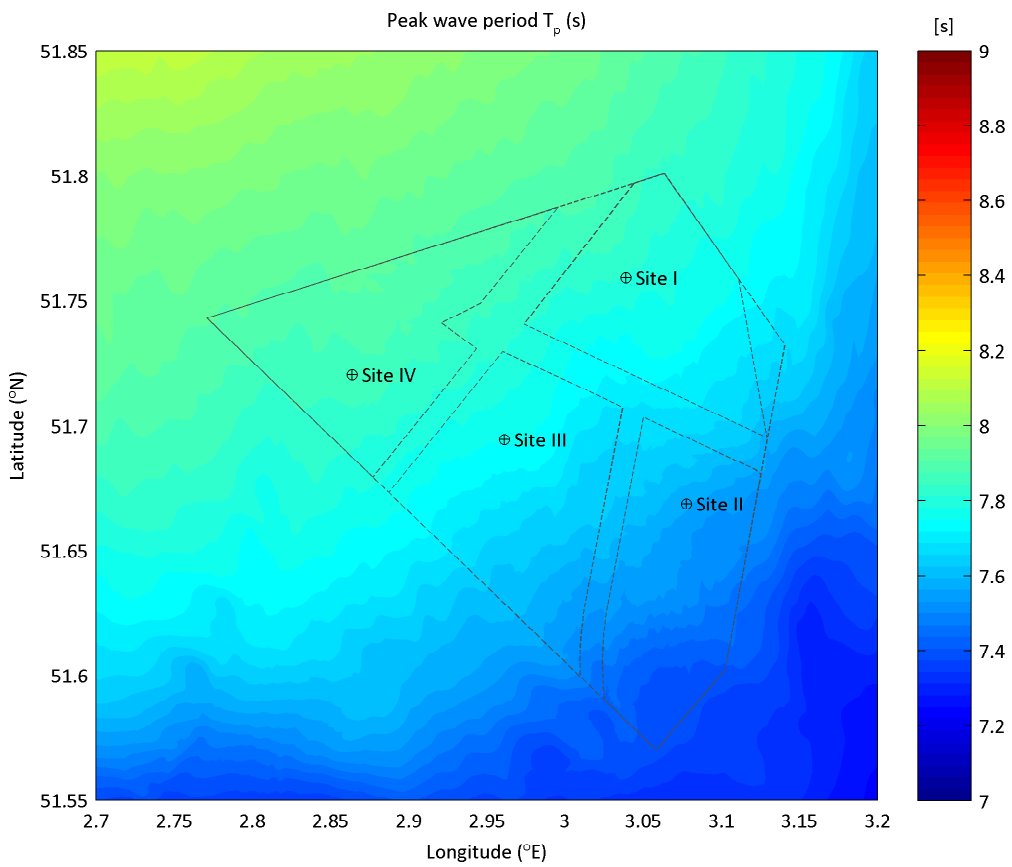
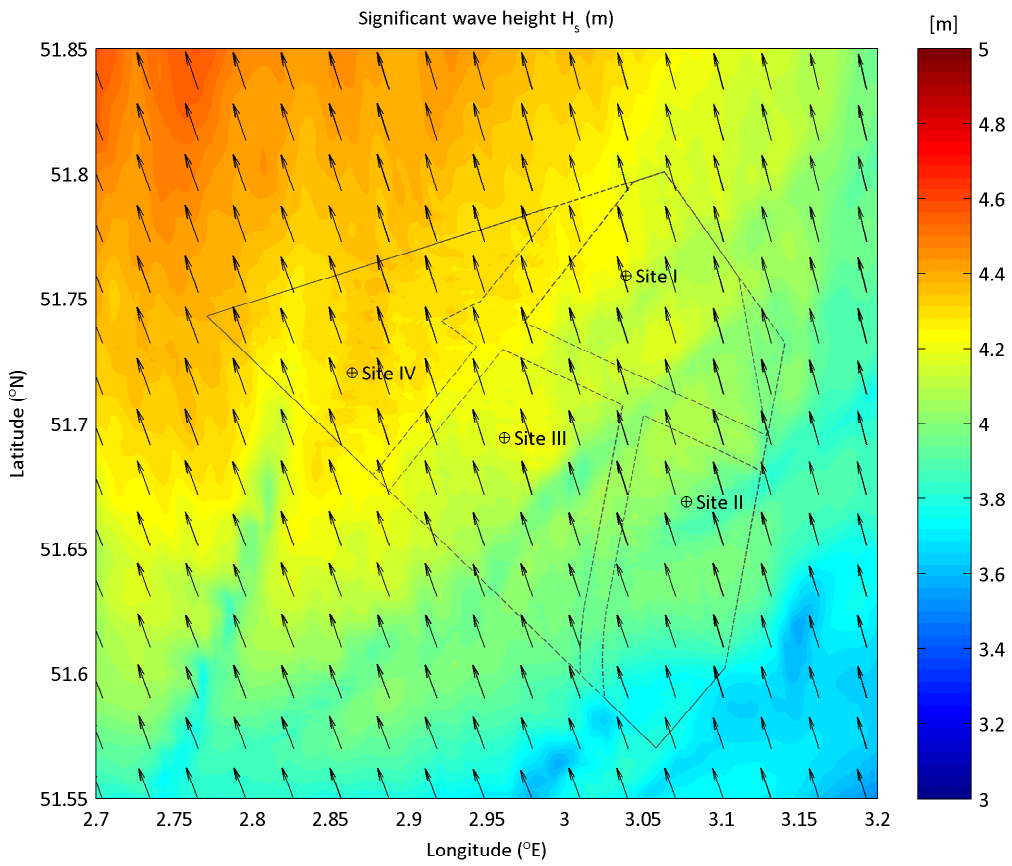
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.034



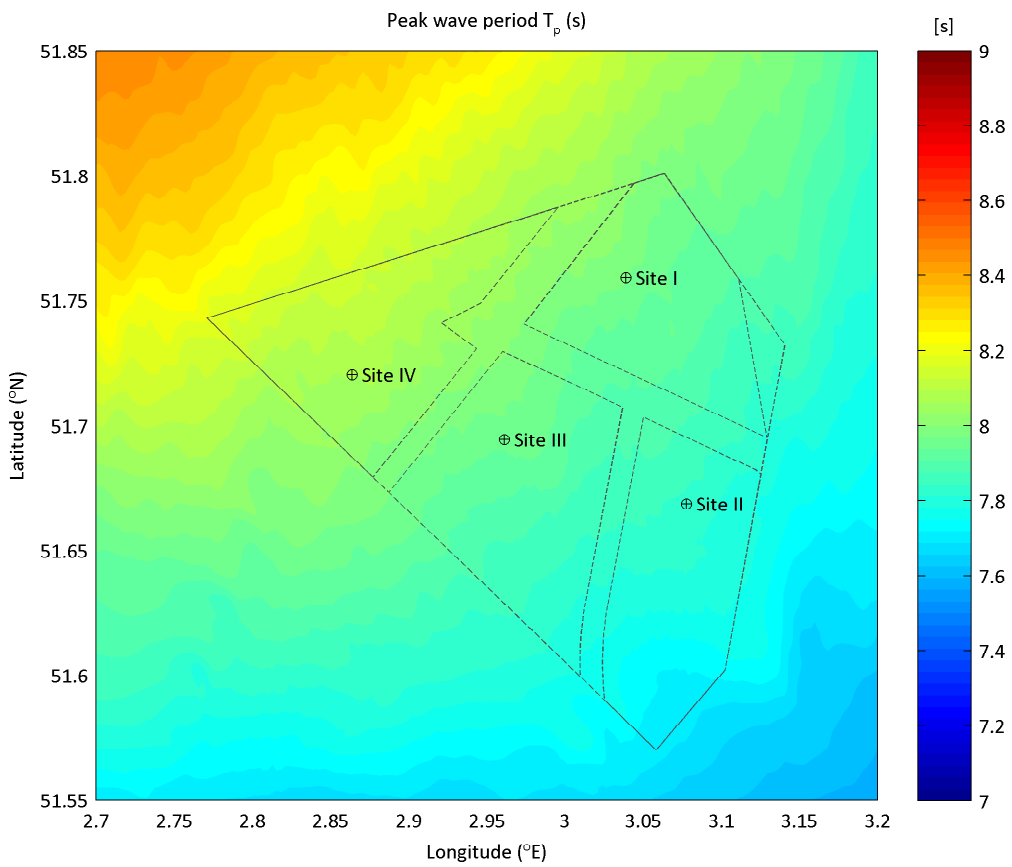
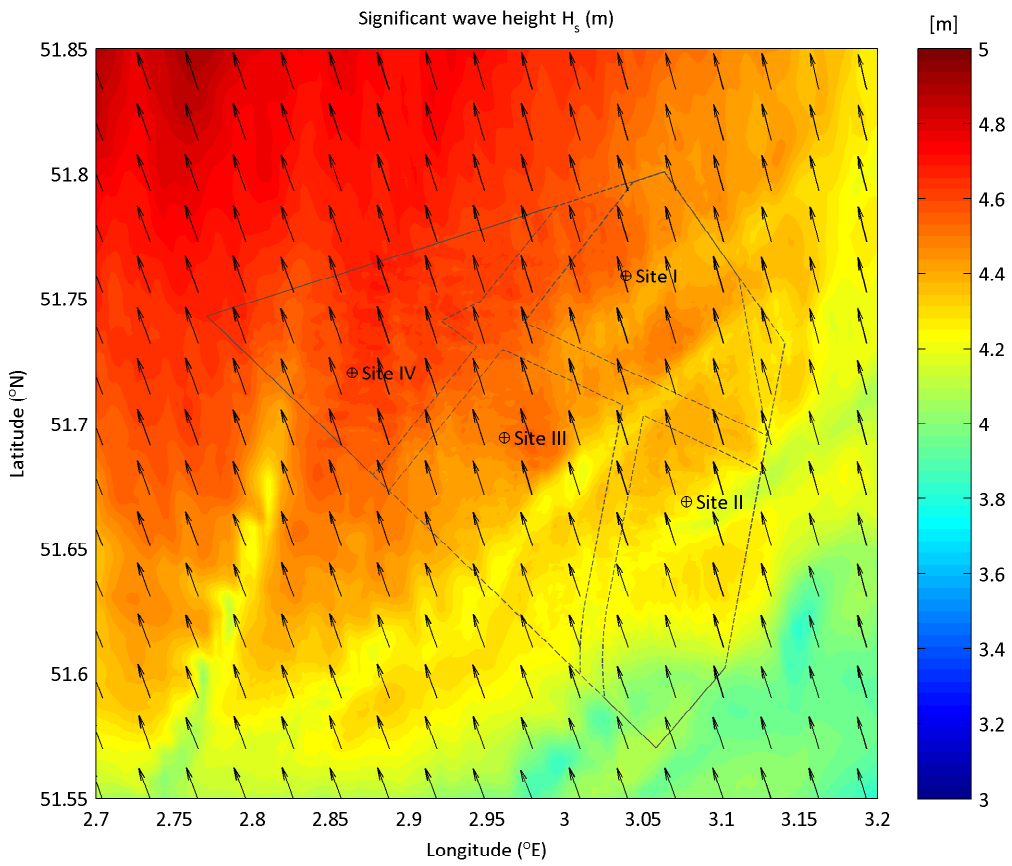
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.035



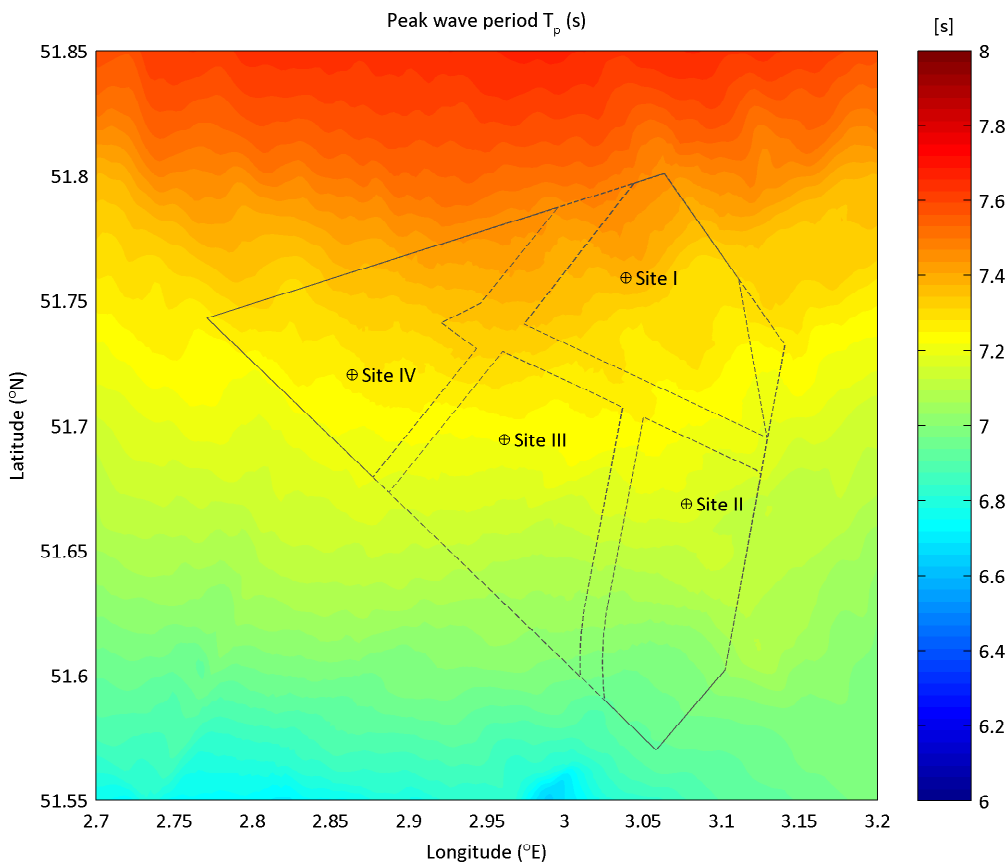
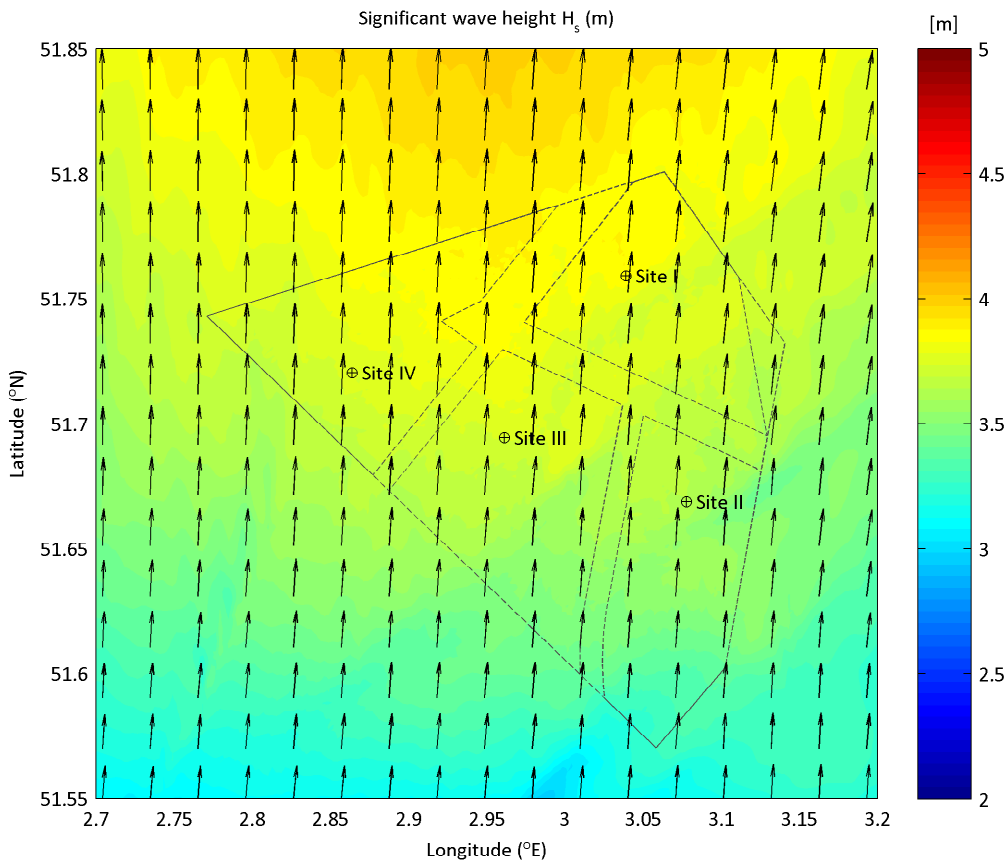
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.036



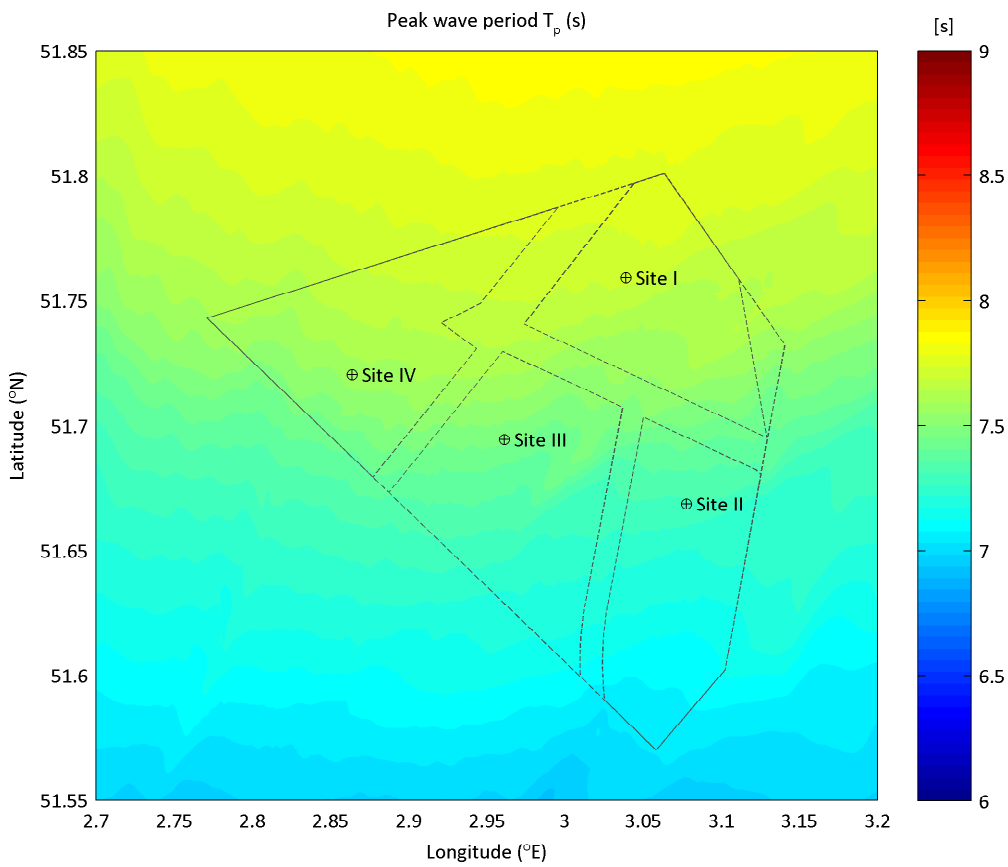
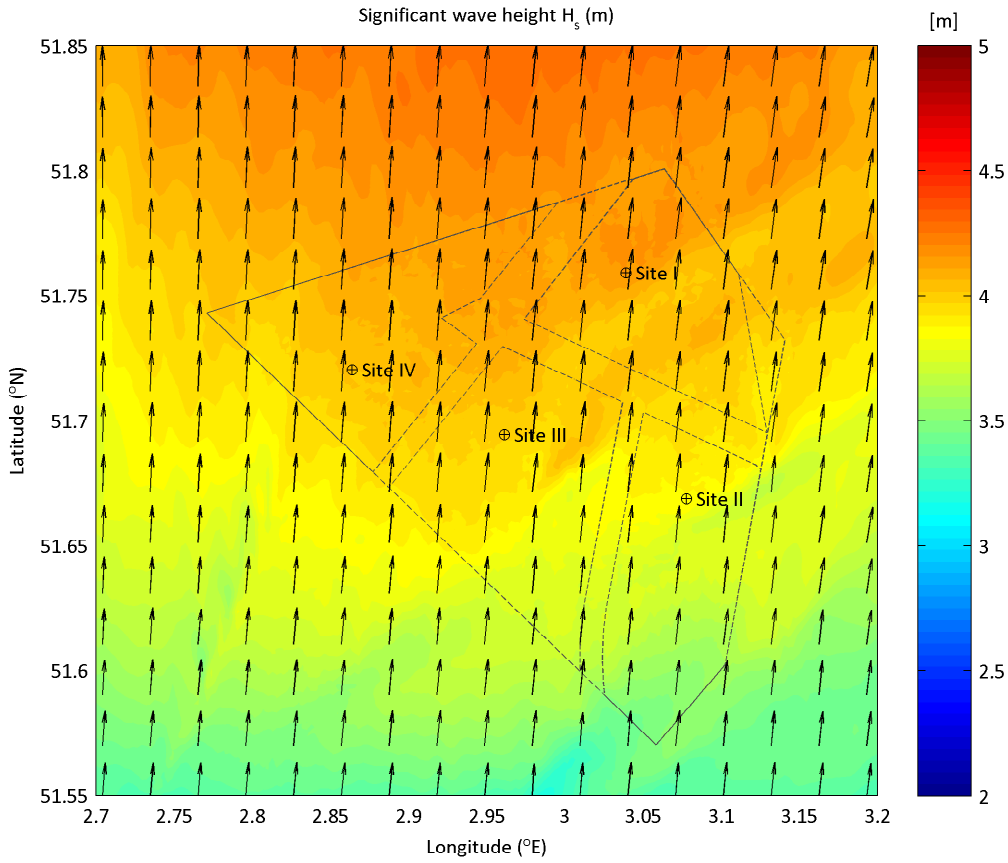
Extreme wave condition from Sector165 (°N) - 195 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.037



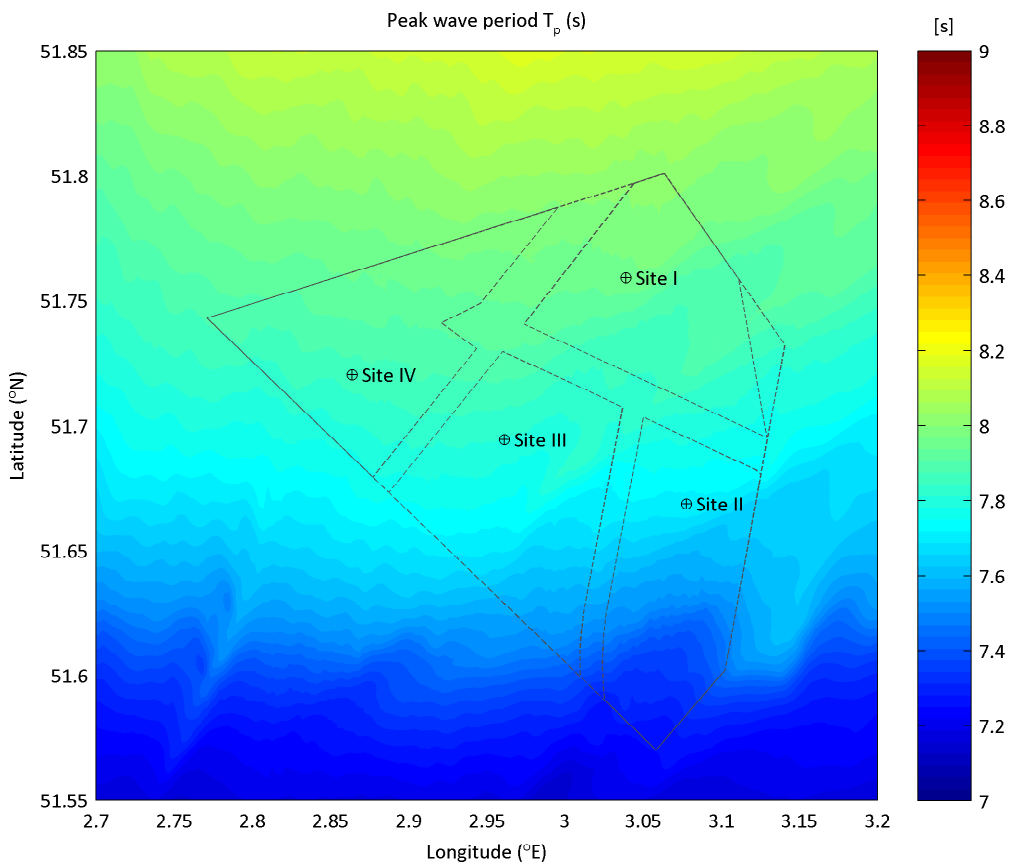
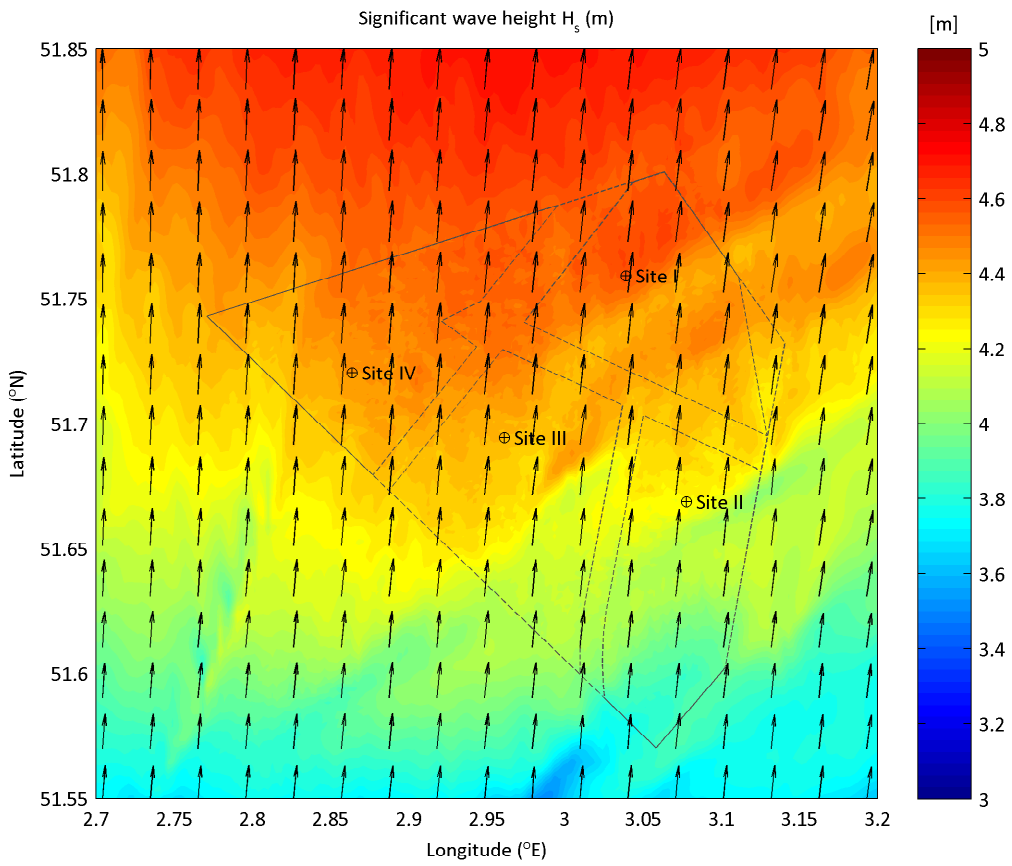
Extreme wave condition from Sector165 (°N) - 195 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.038



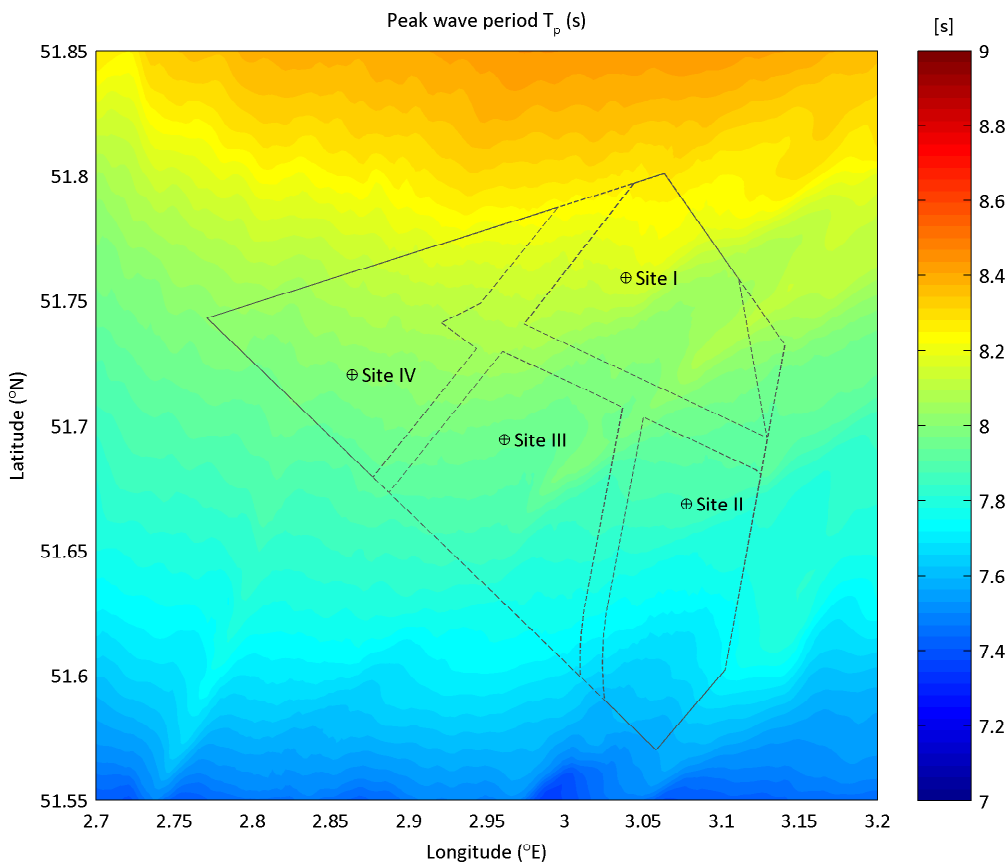
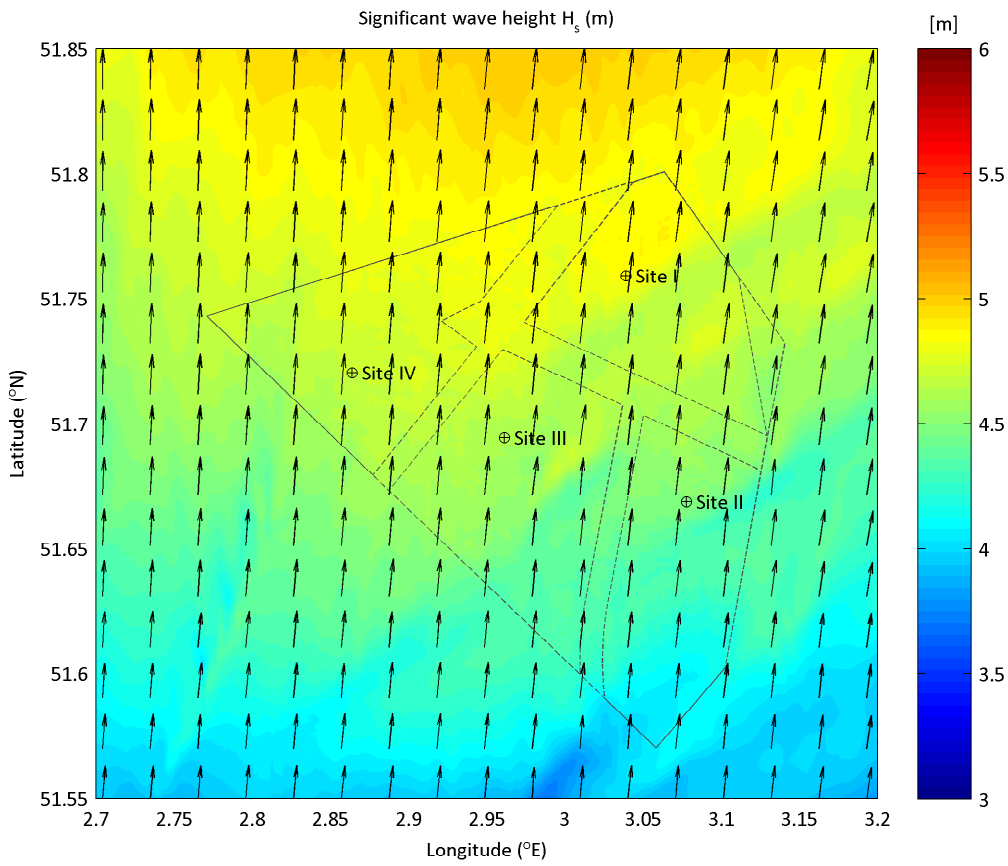
Extreme wave condition from Sector165 (°N) - 195 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.039



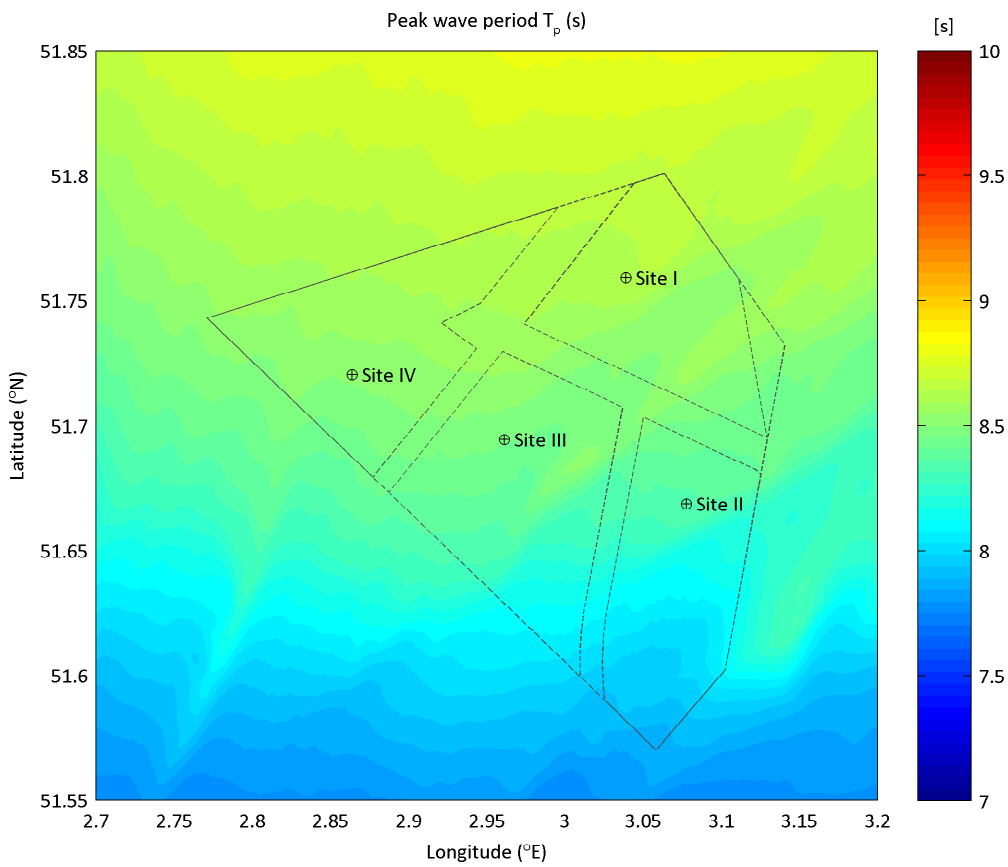
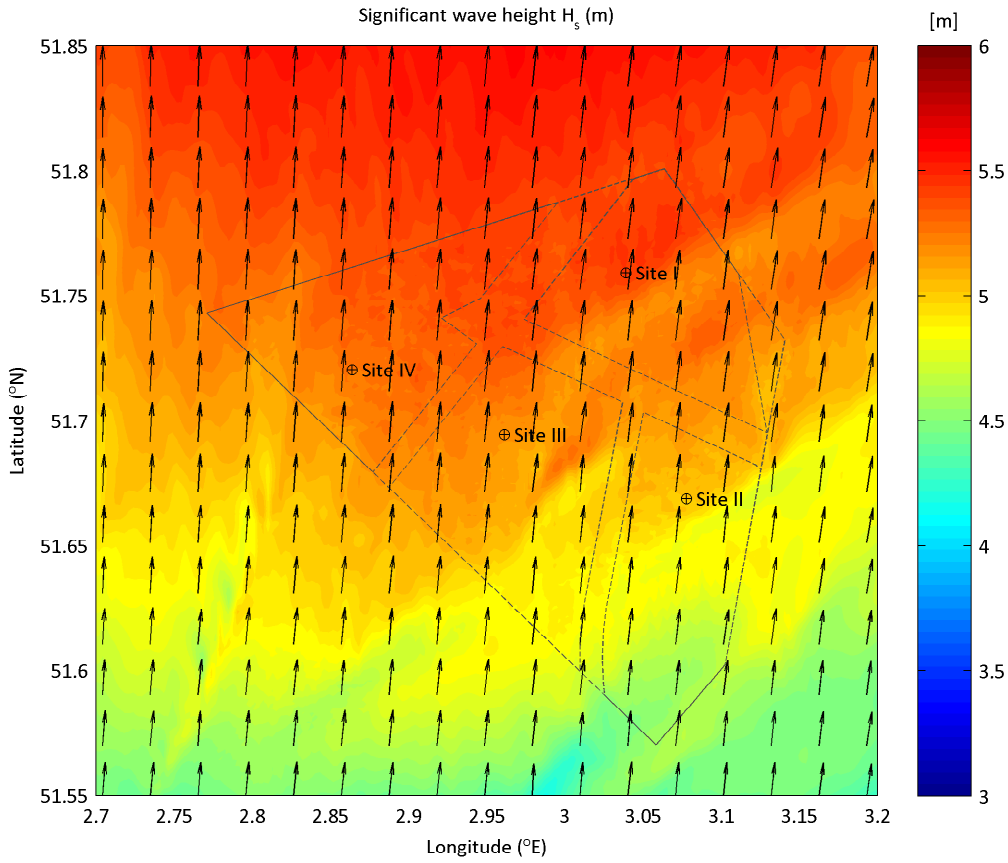
Extreme wave condition from Sector165 (°N) - 195 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.040



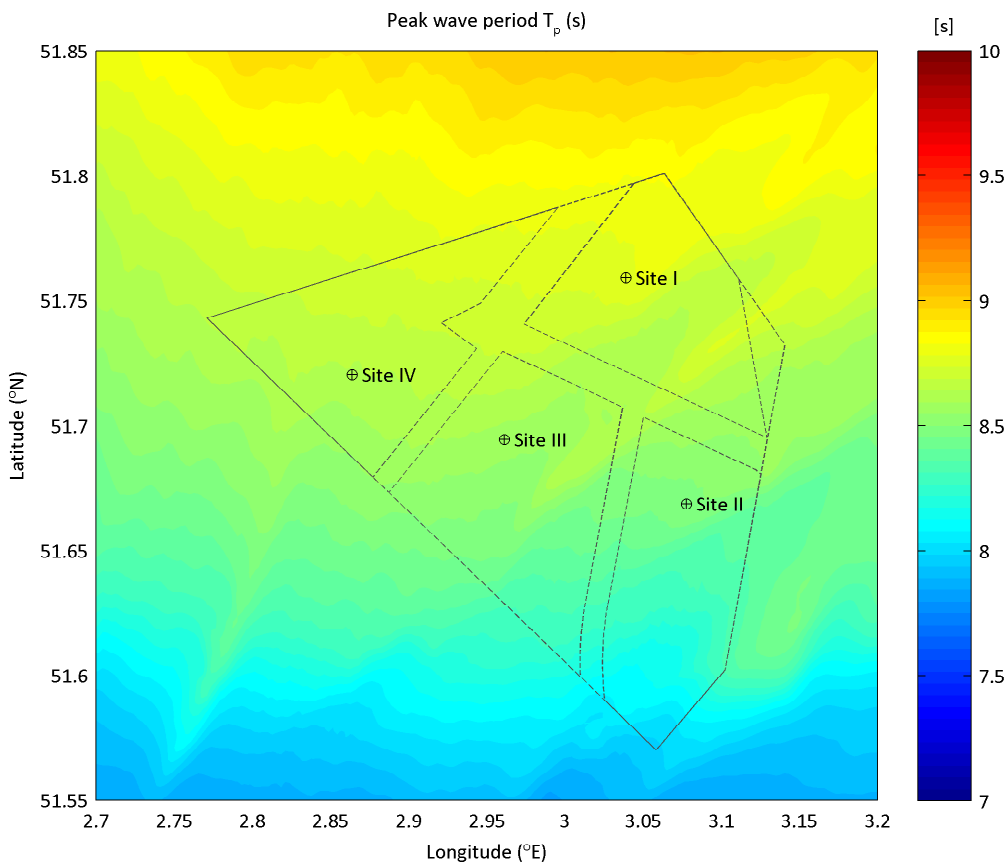
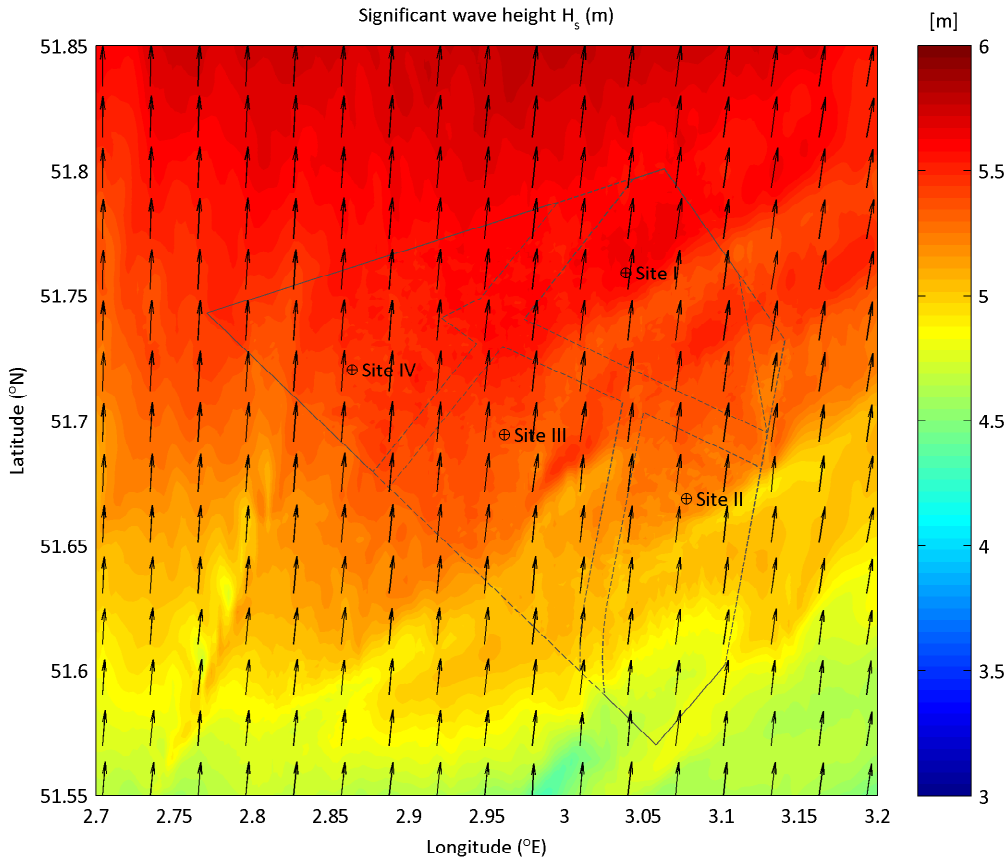
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.041



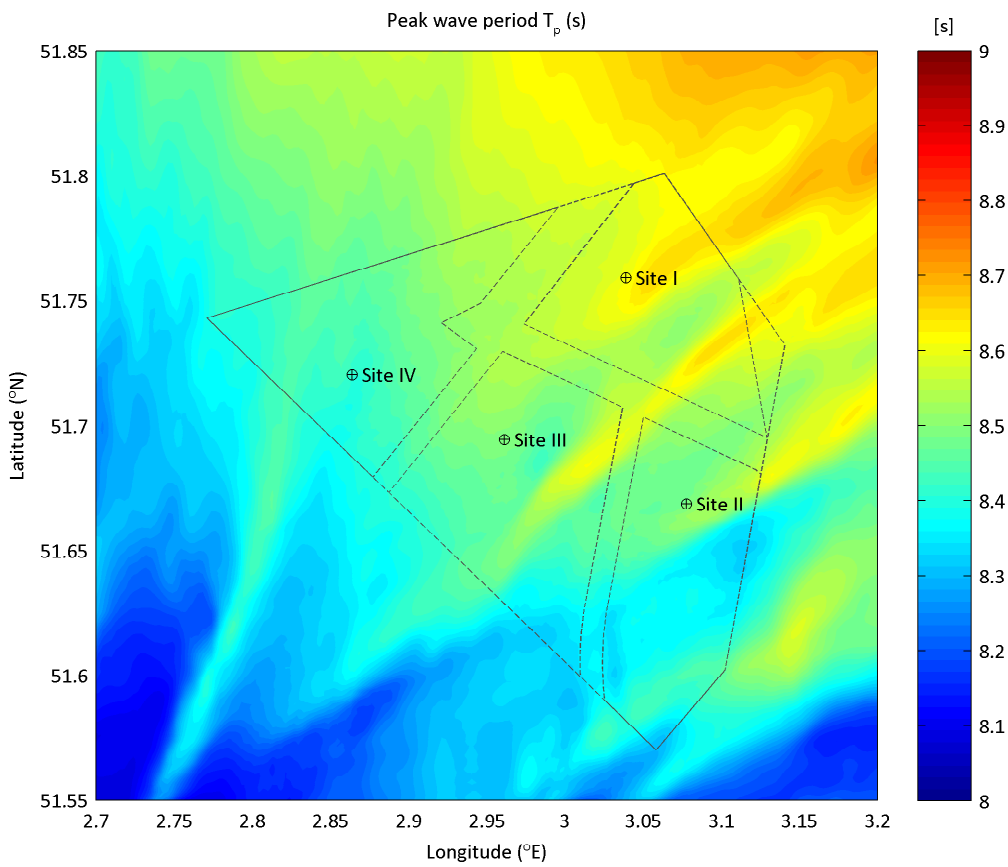
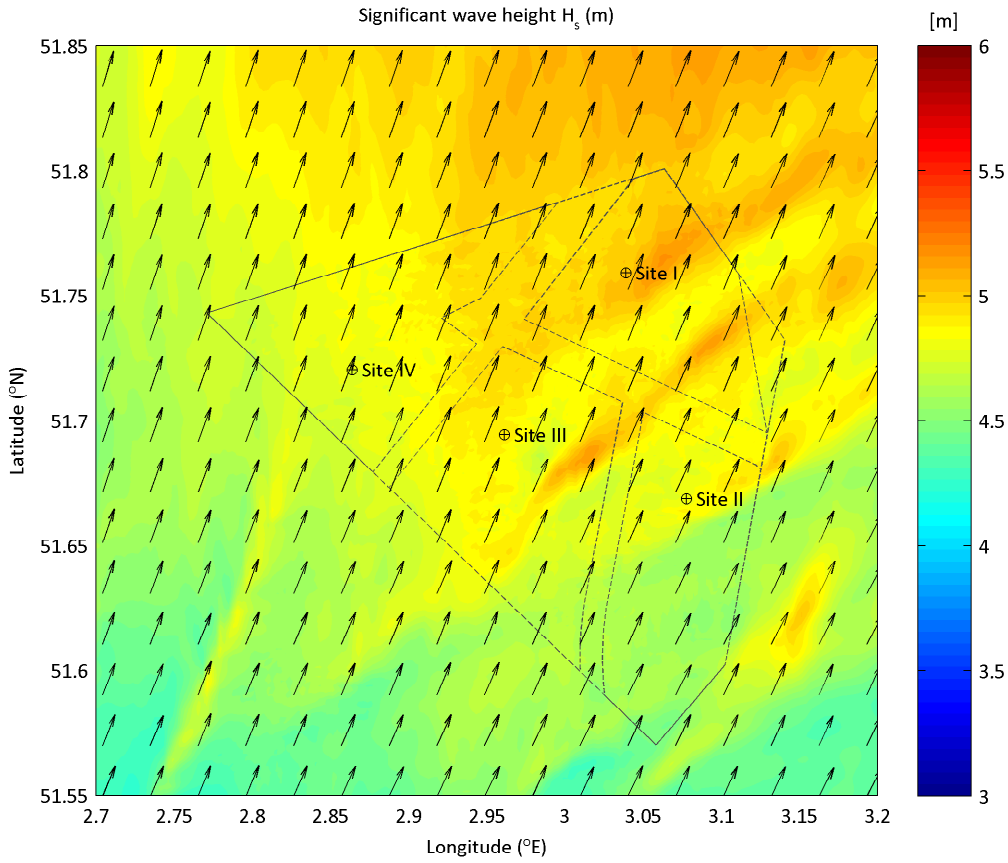
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.042



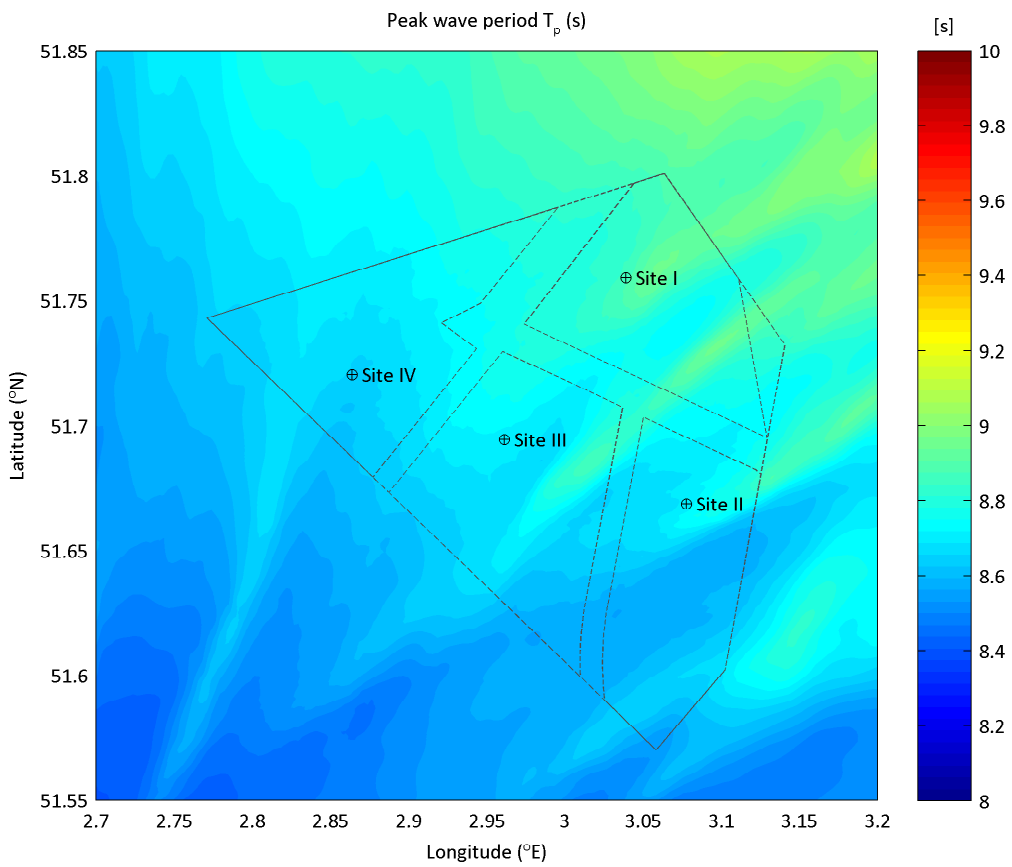
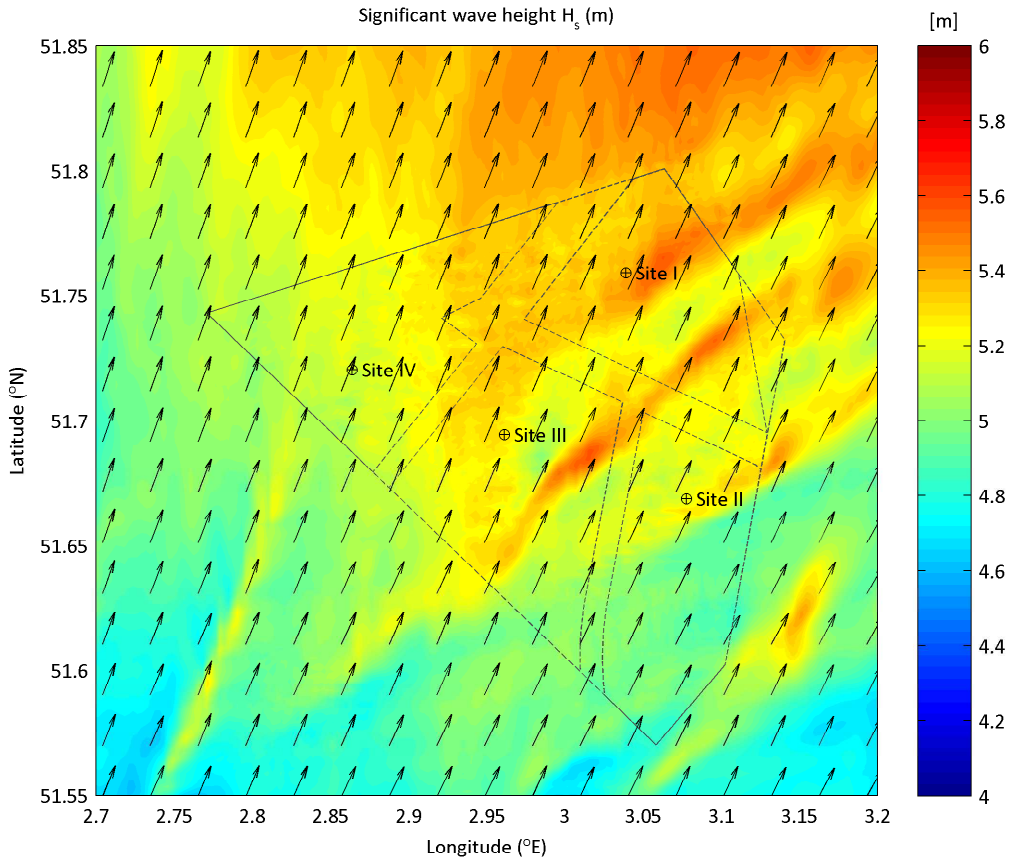
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.043



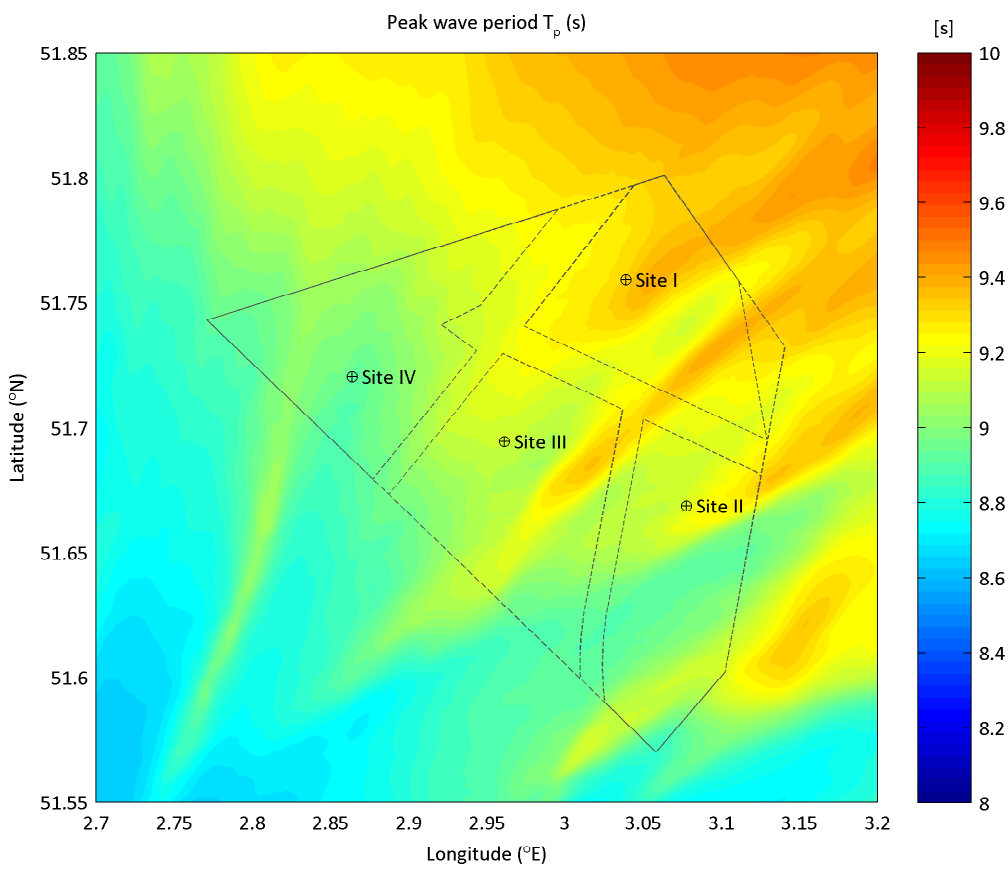
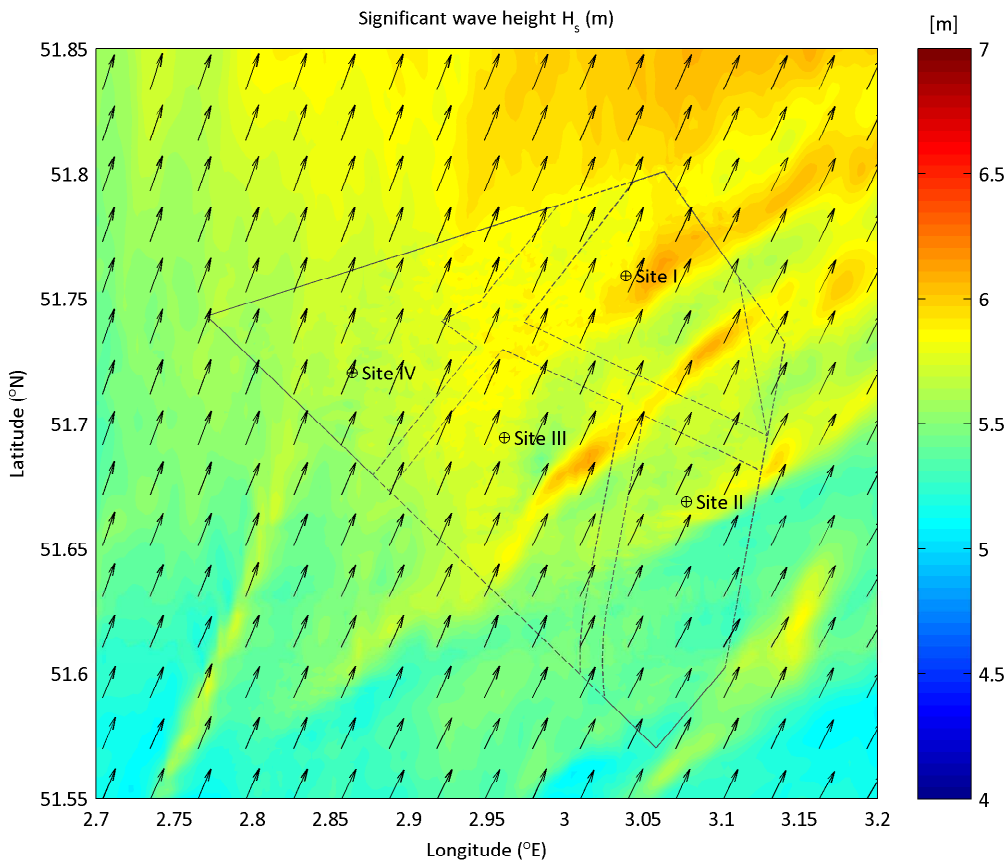
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.044



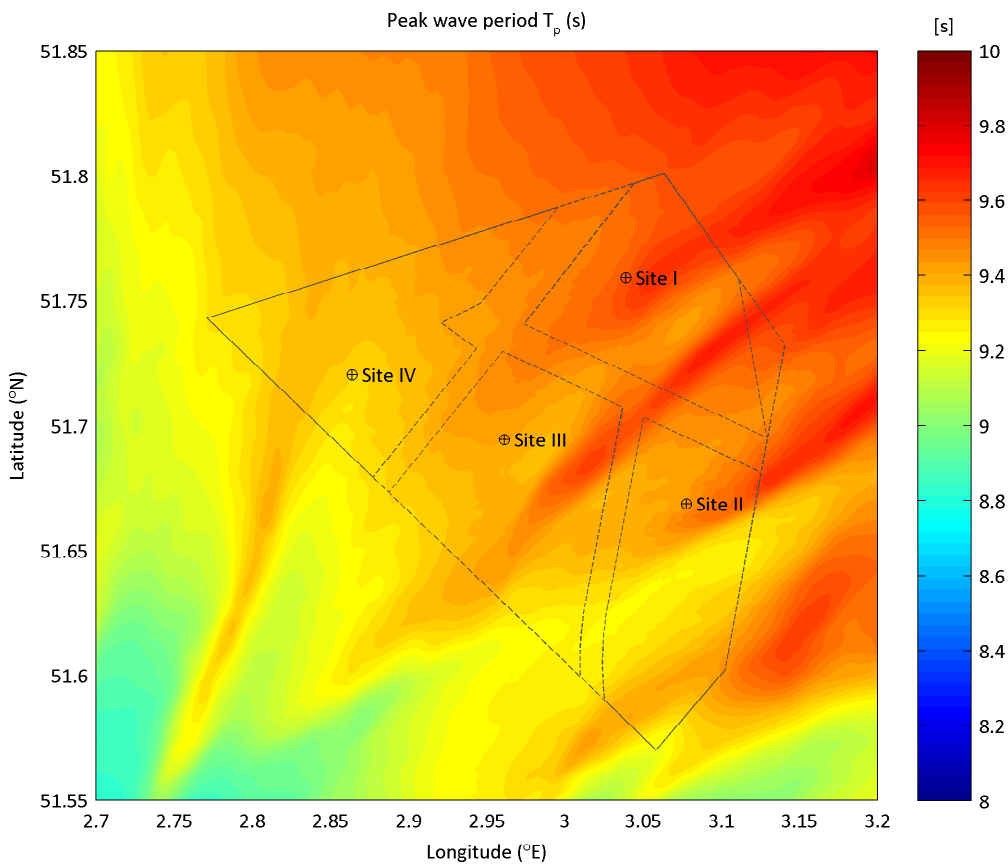
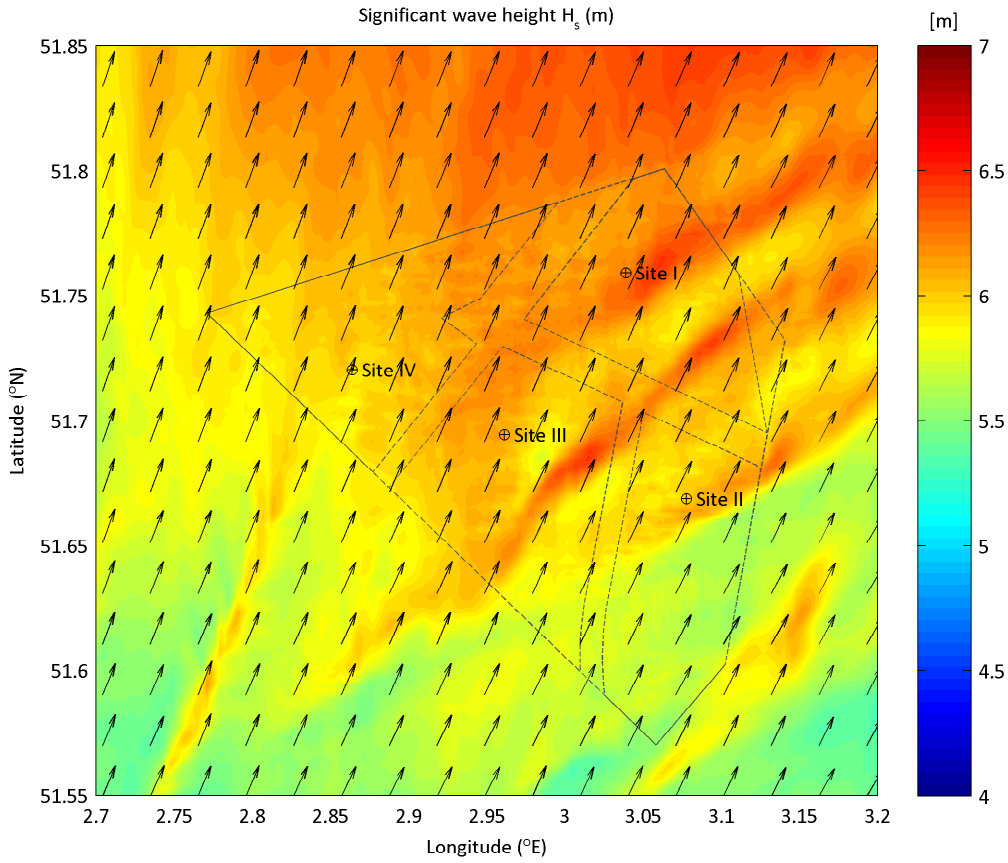
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.045



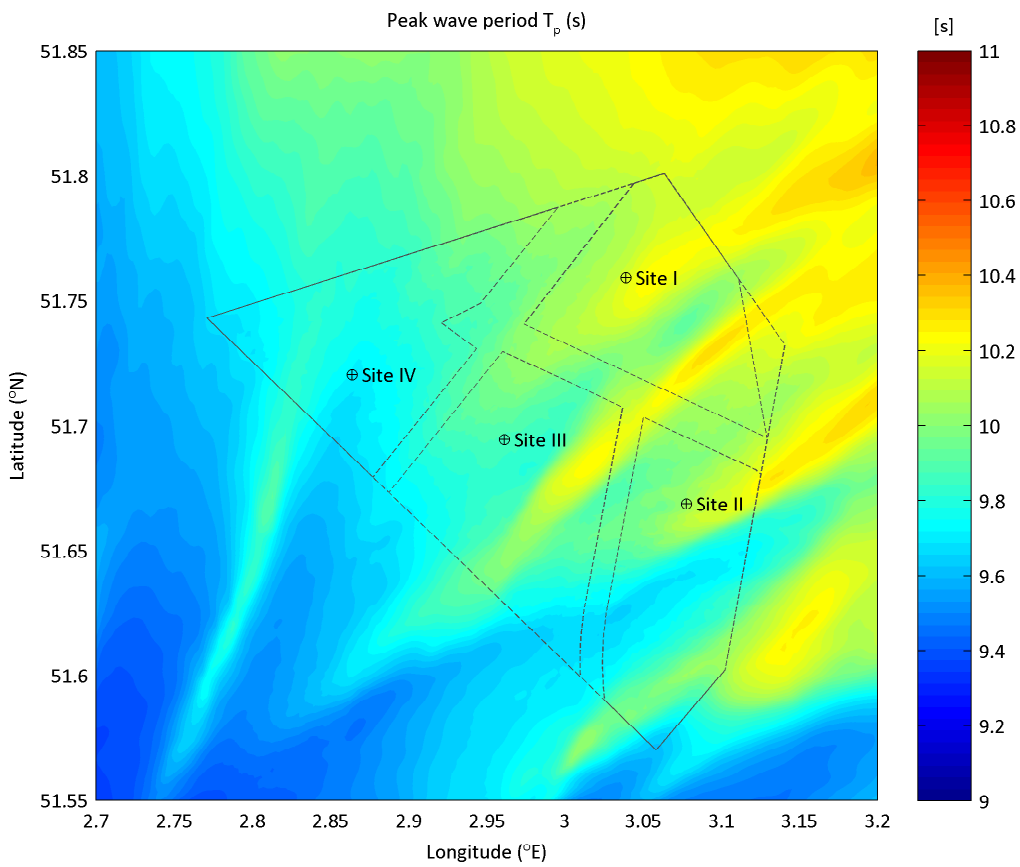
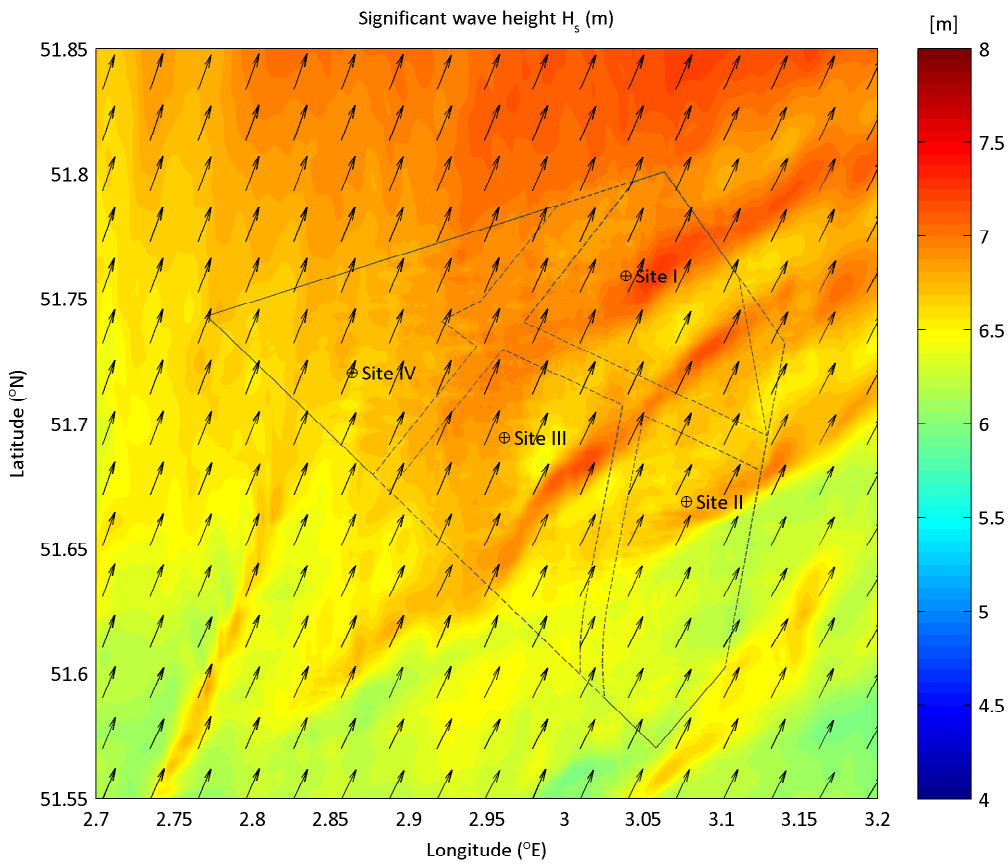
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.046



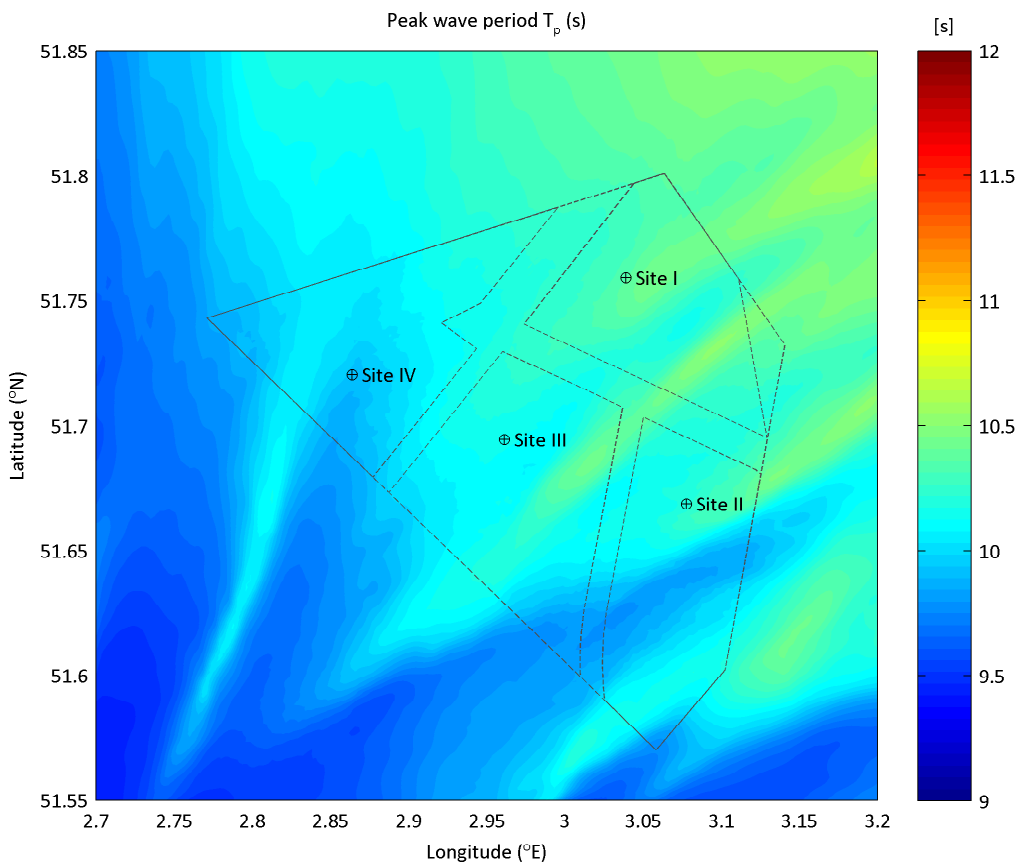
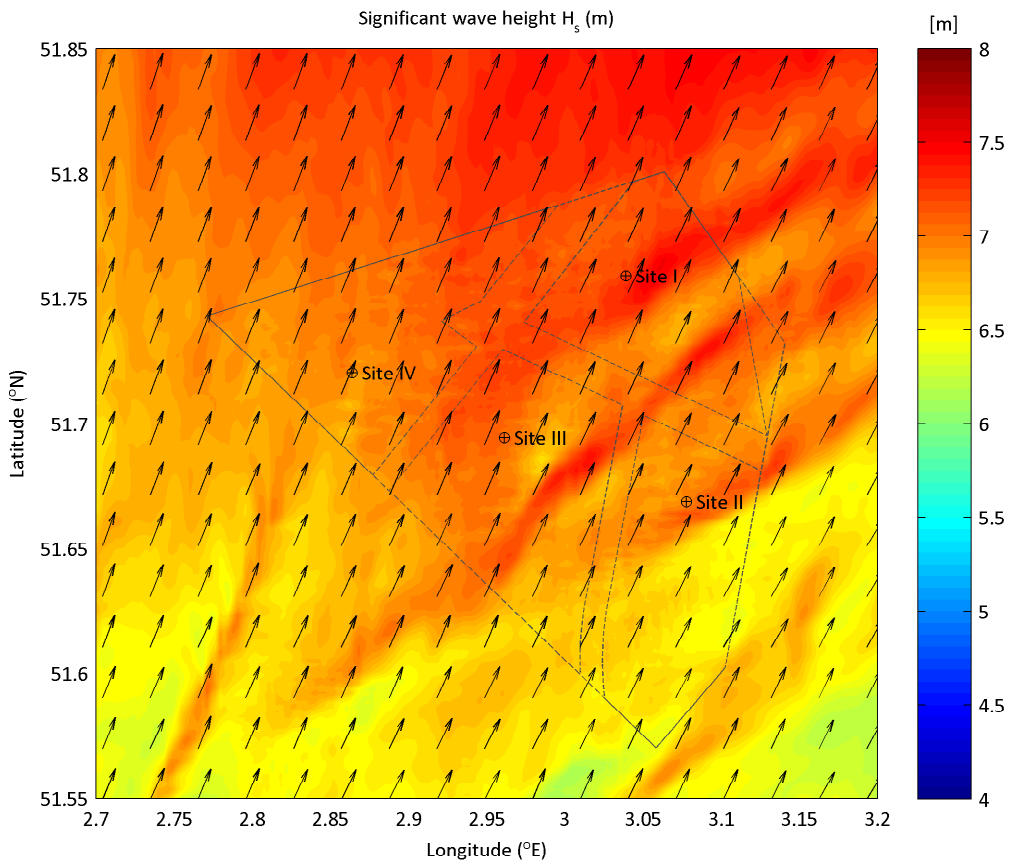
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.047



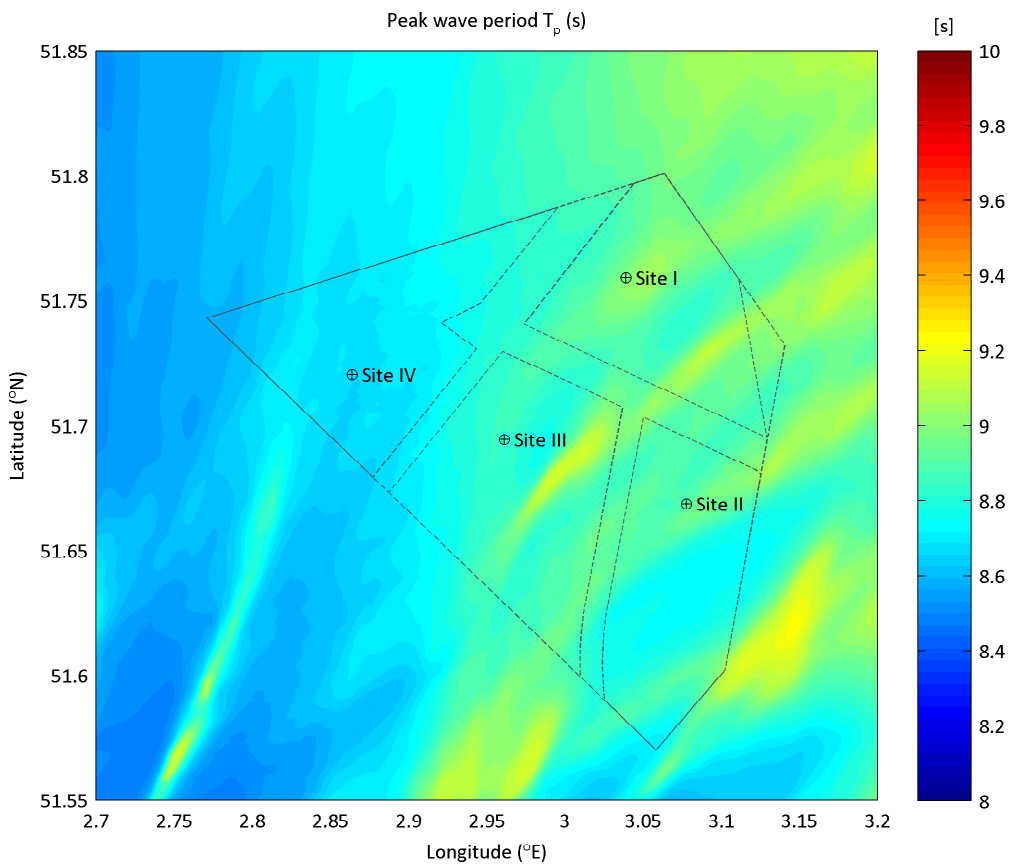
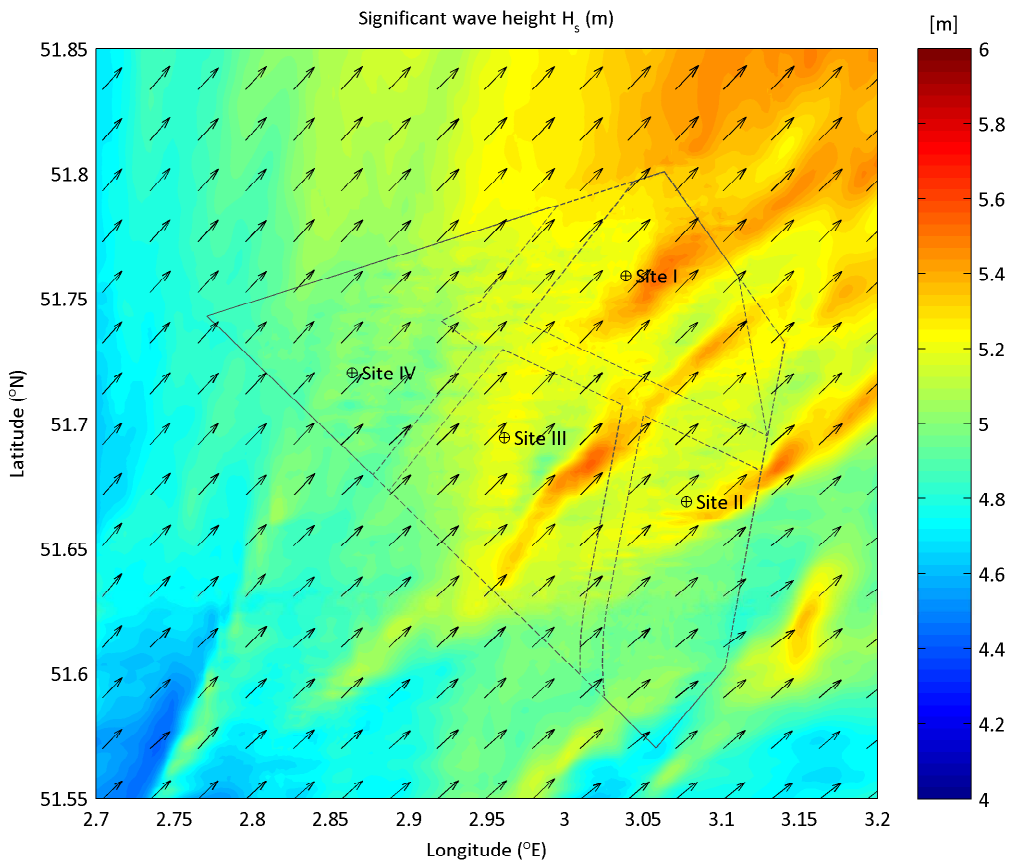
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.048



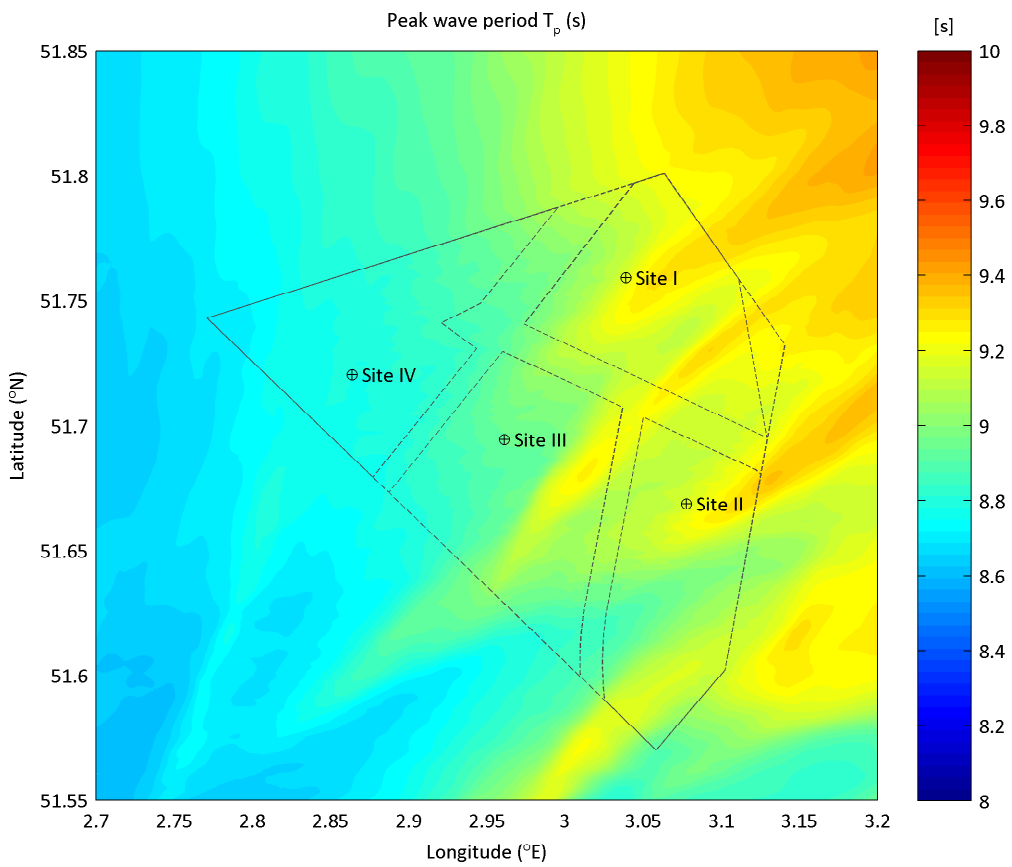
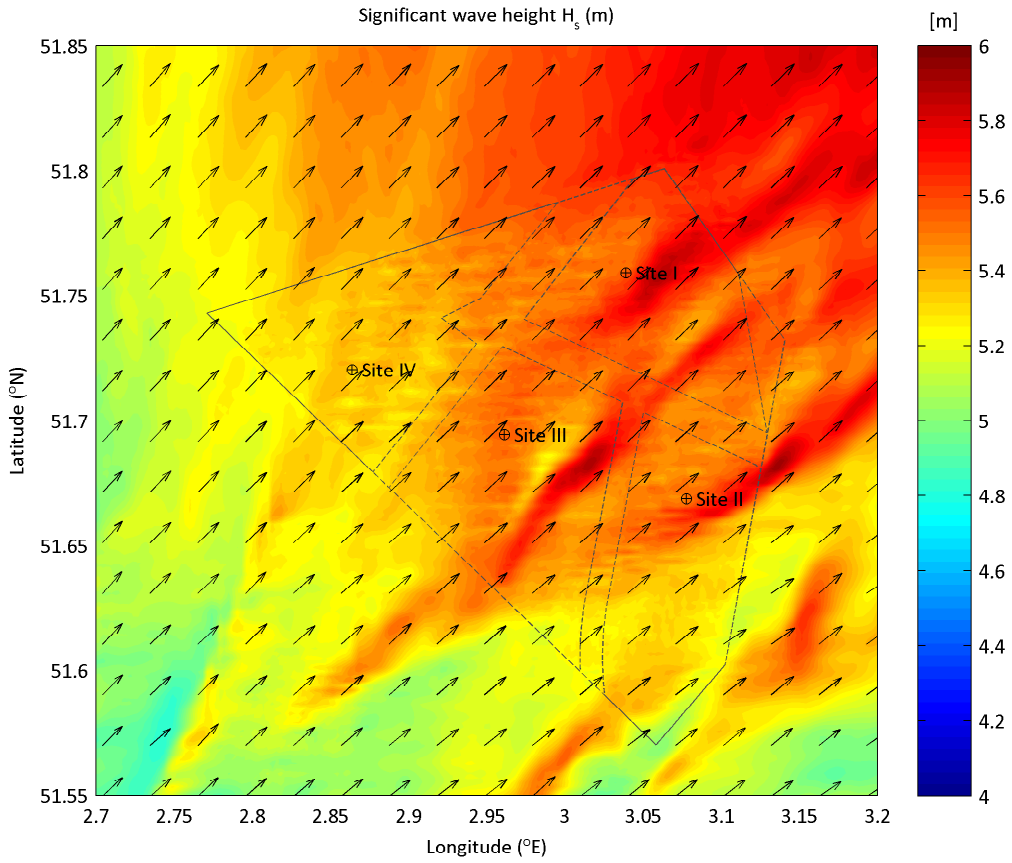
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.049



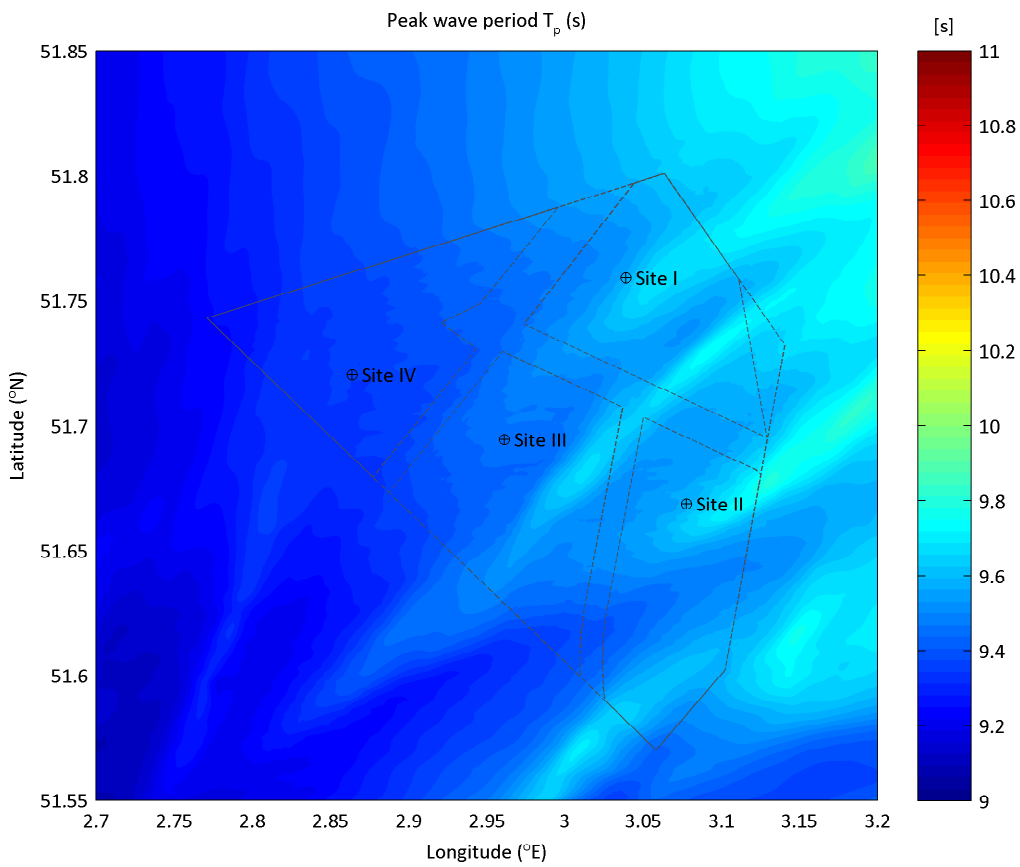
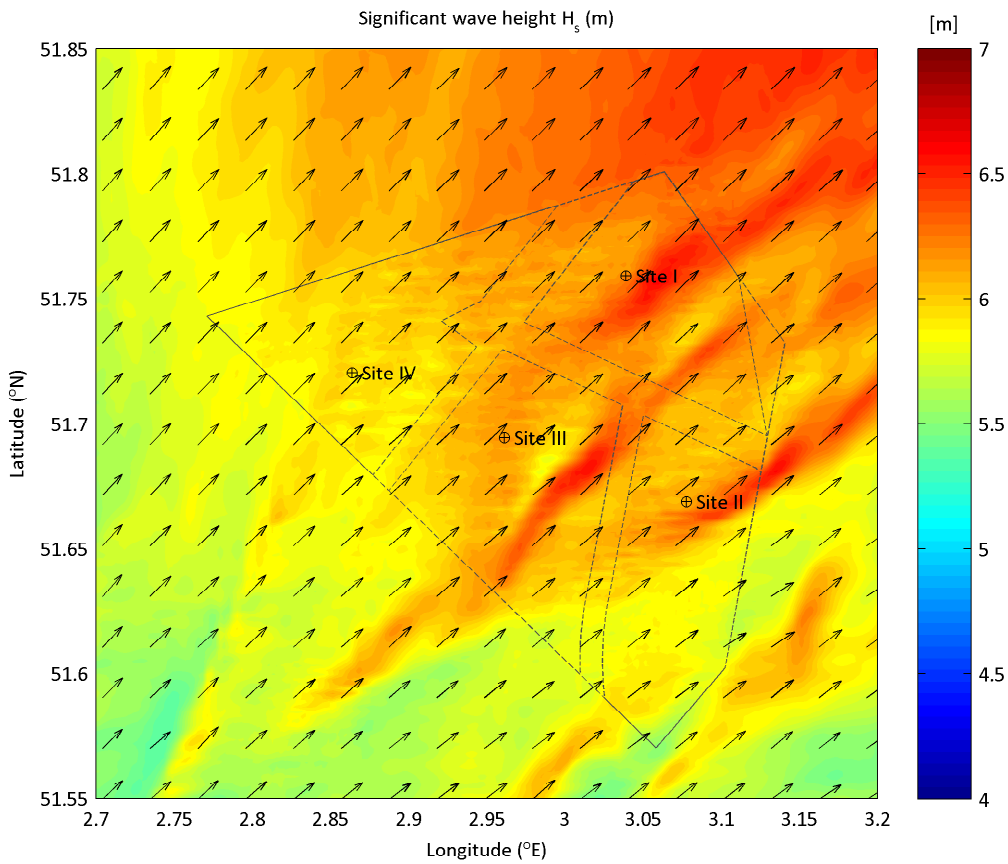
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.050



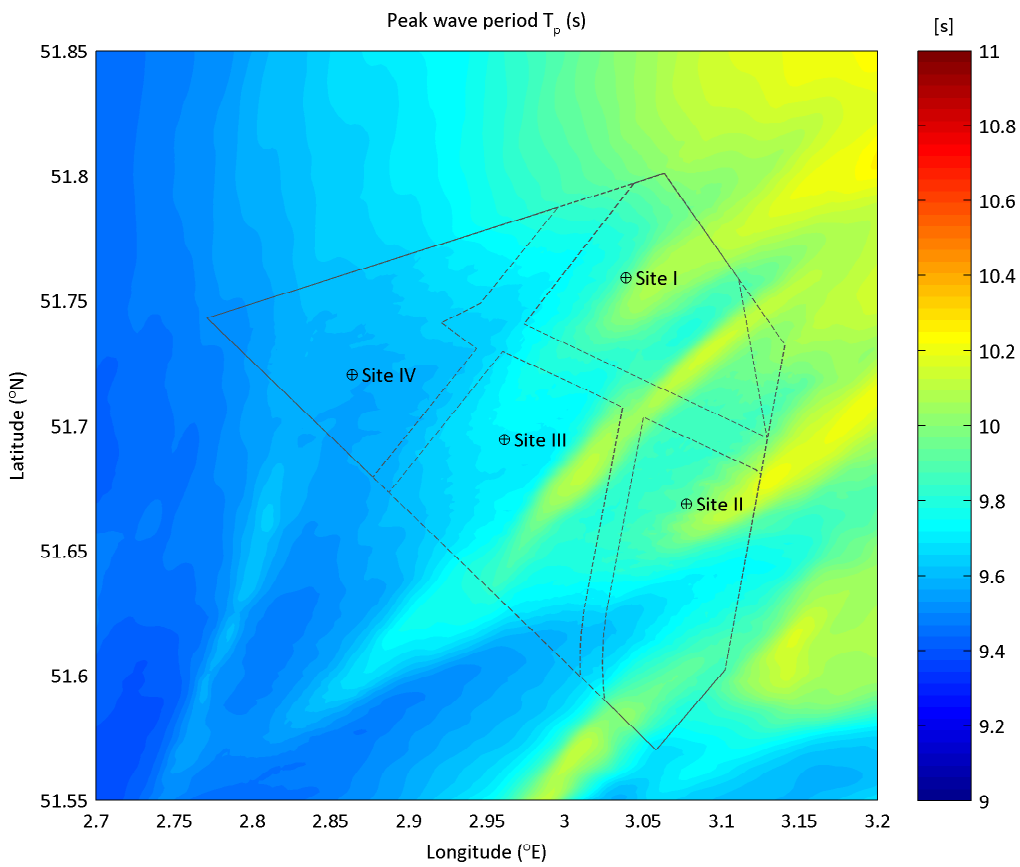
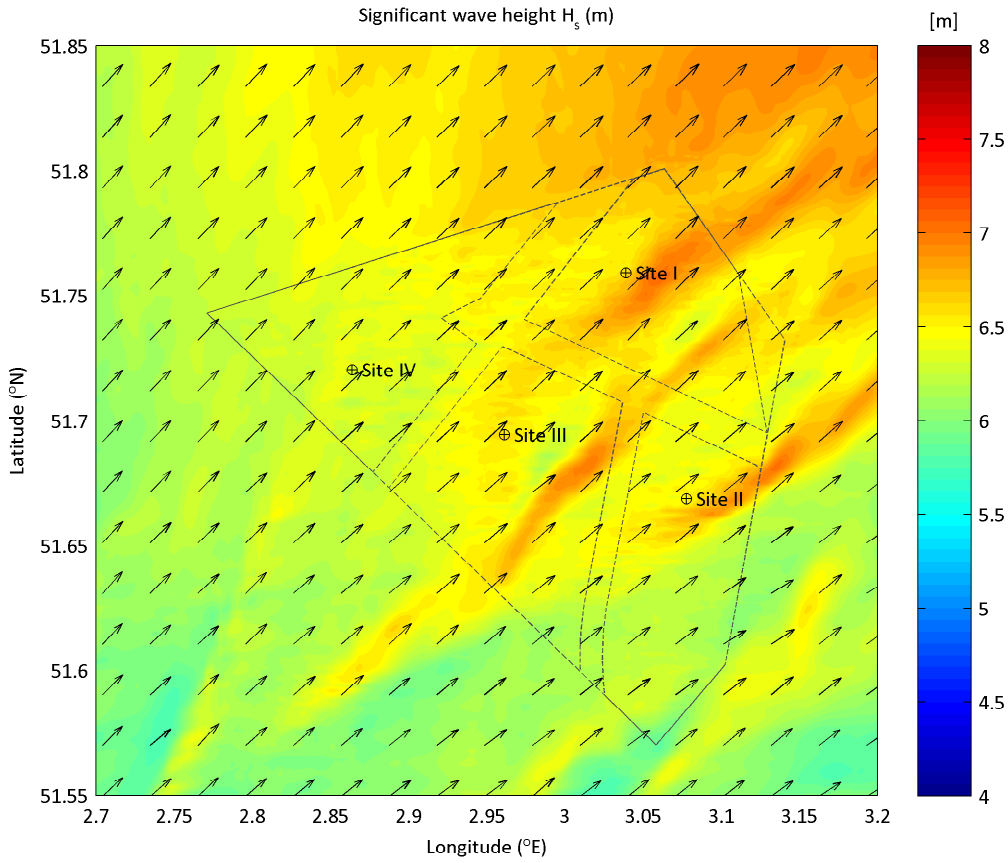
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.051



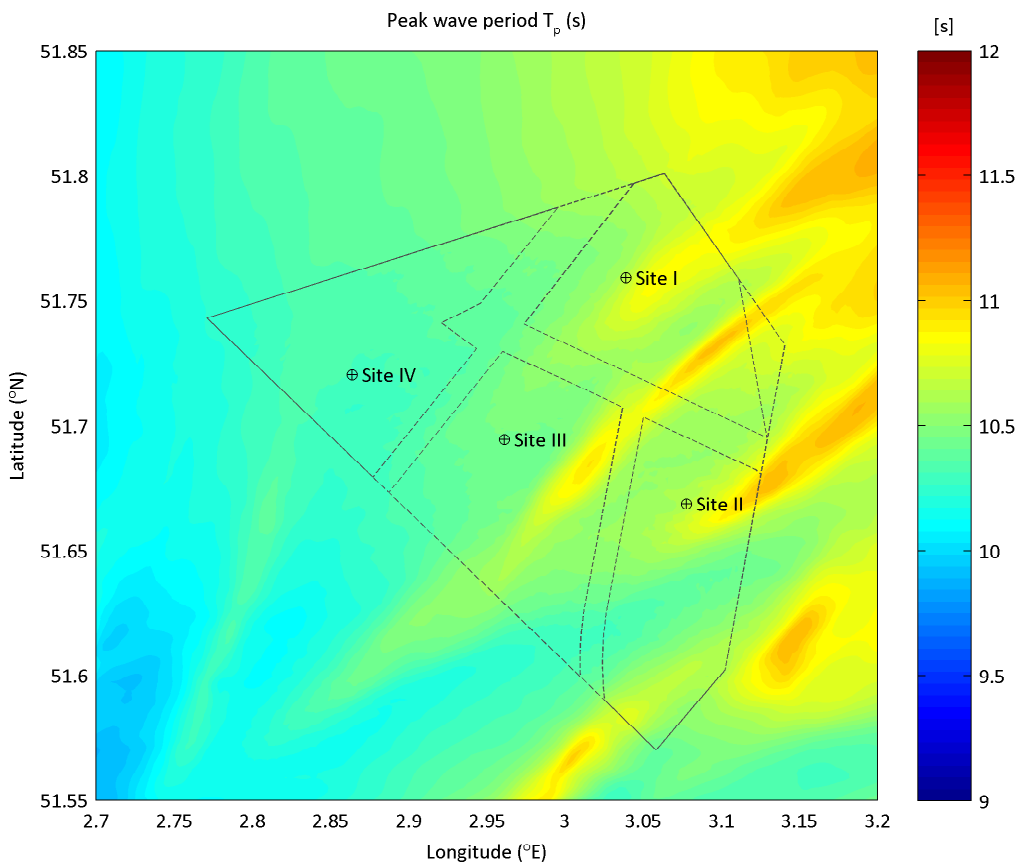
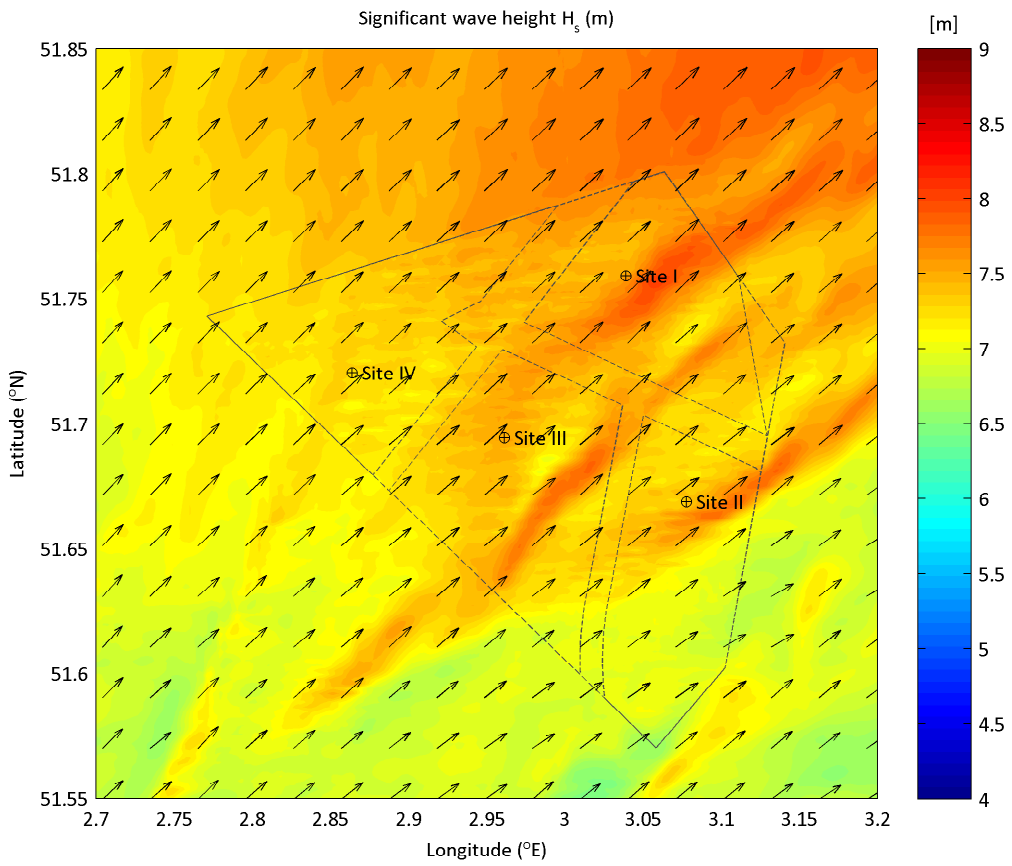
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.052



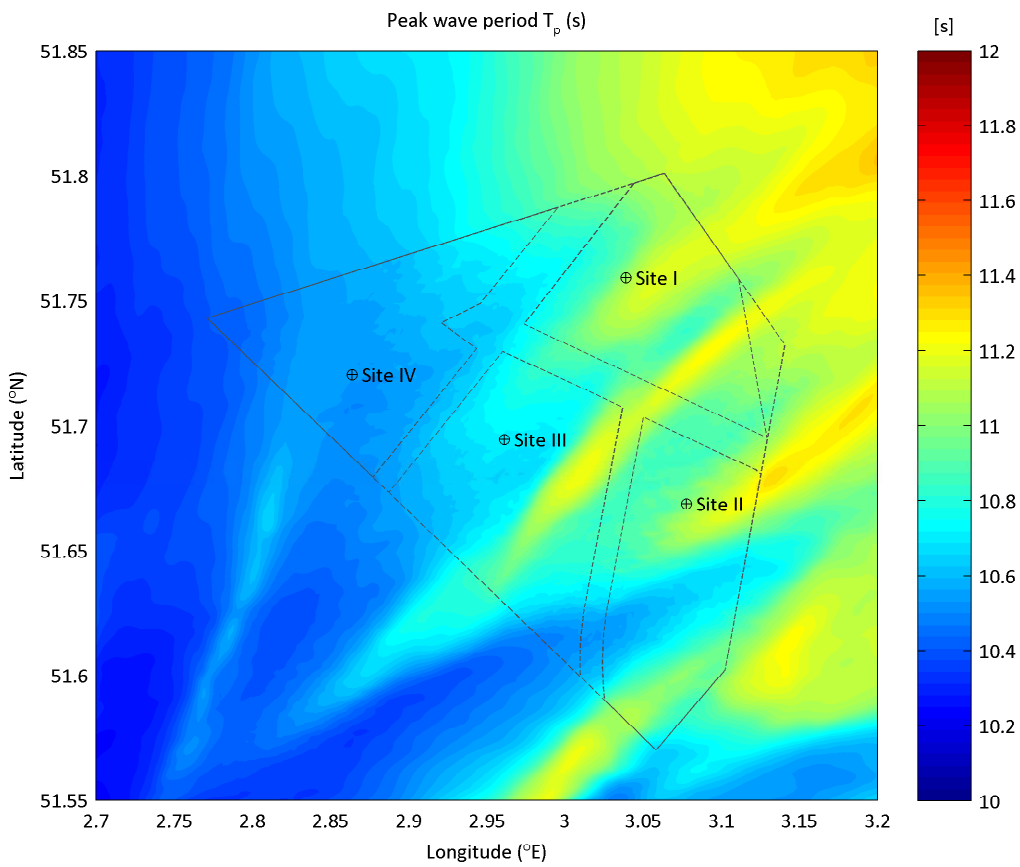
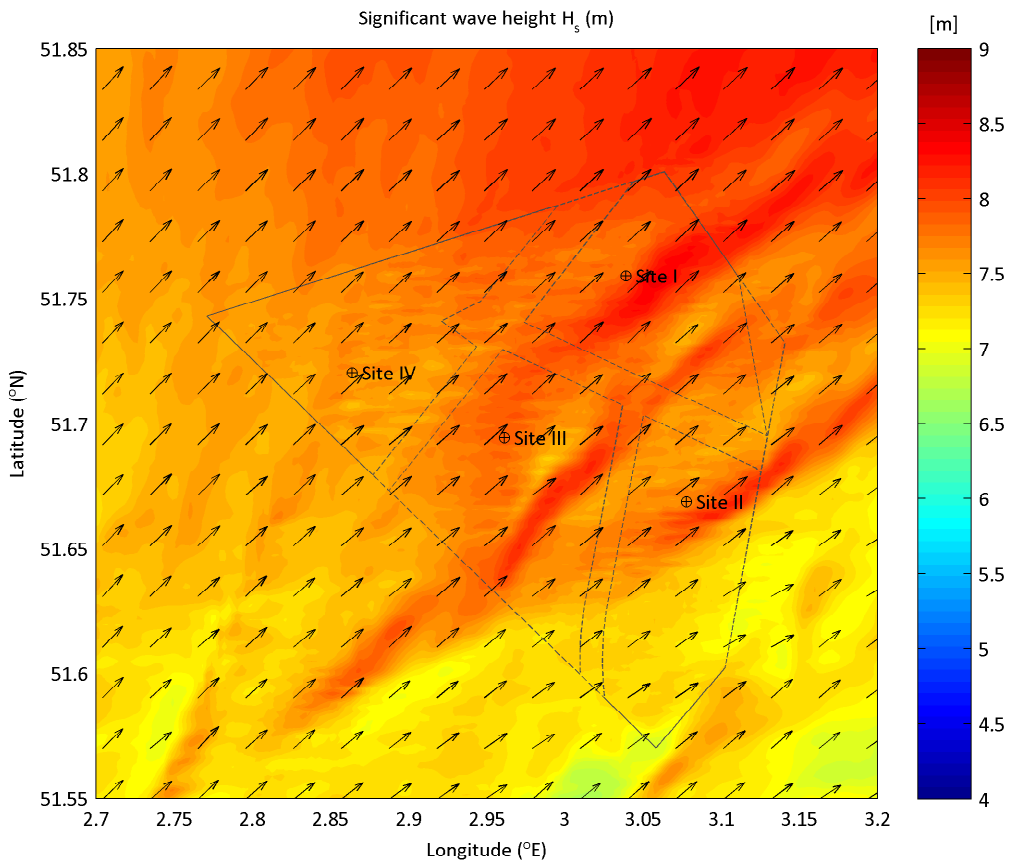
Extreme wave condition from Sector225 (°N) - 255 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.053



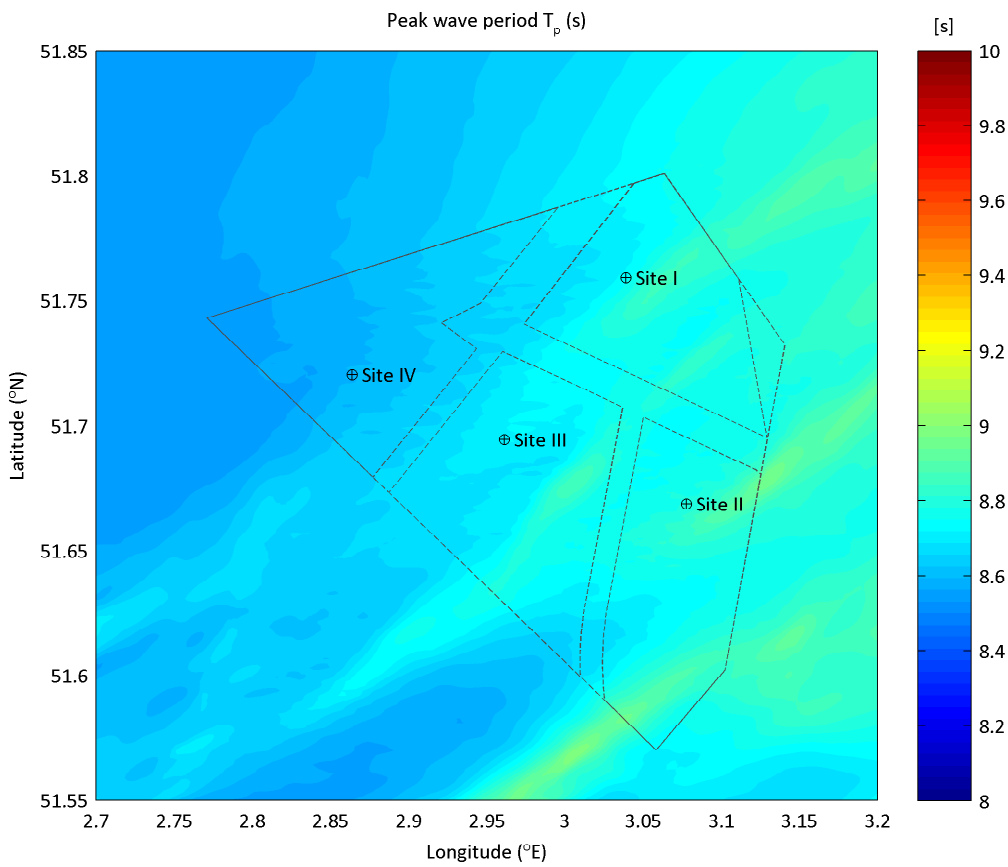
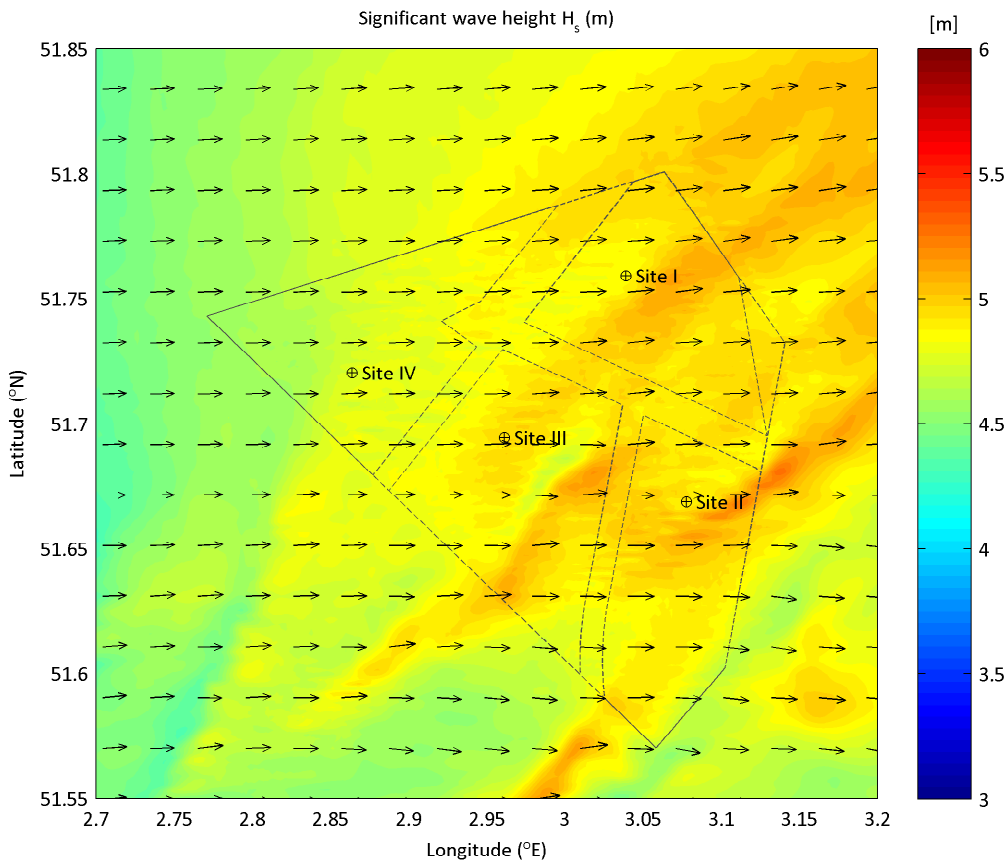
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.054



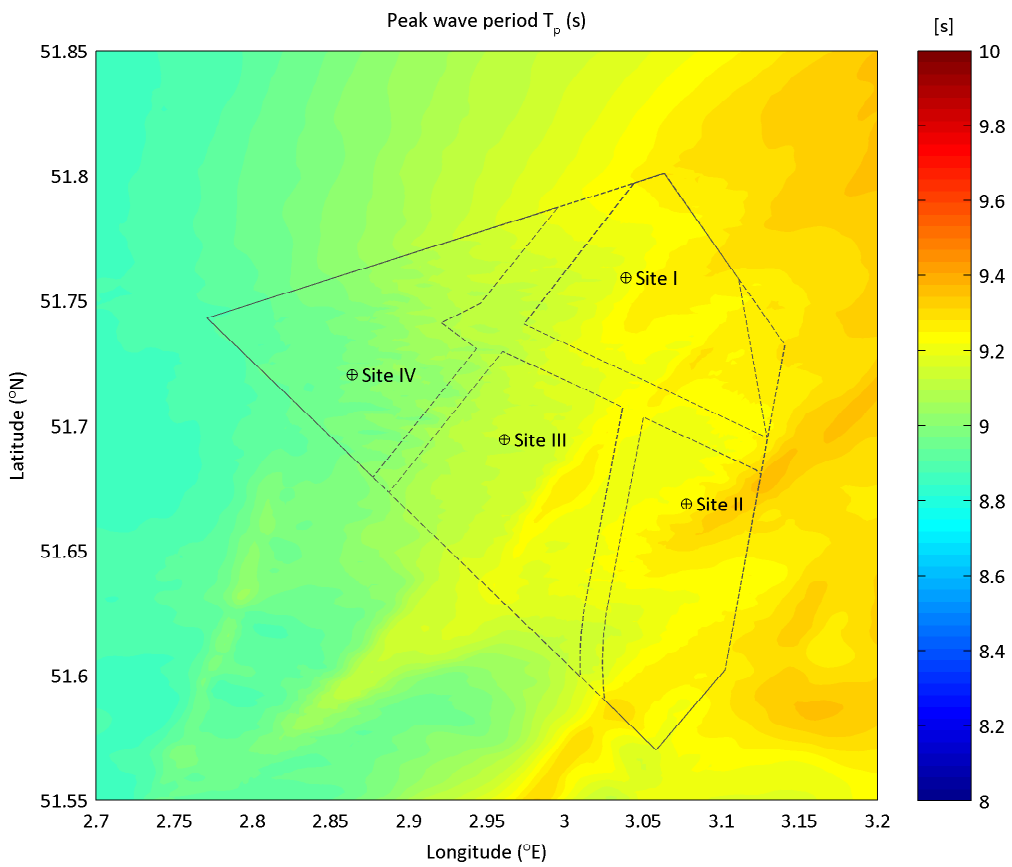
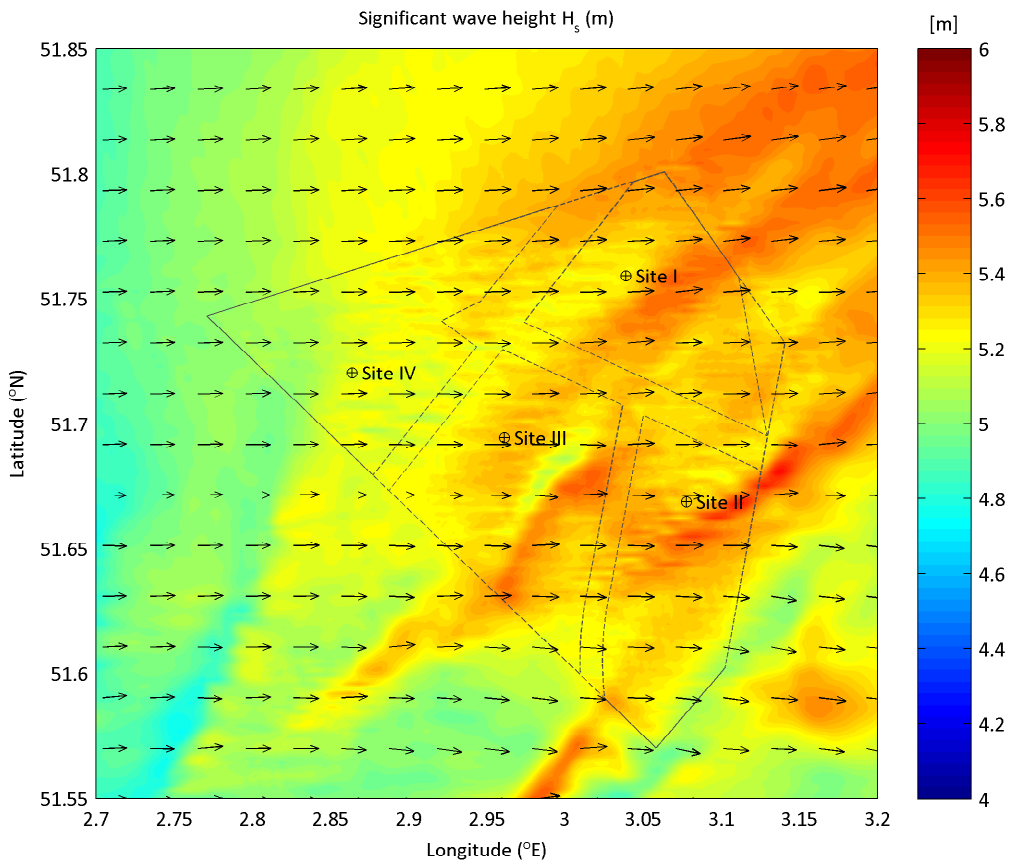
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.055



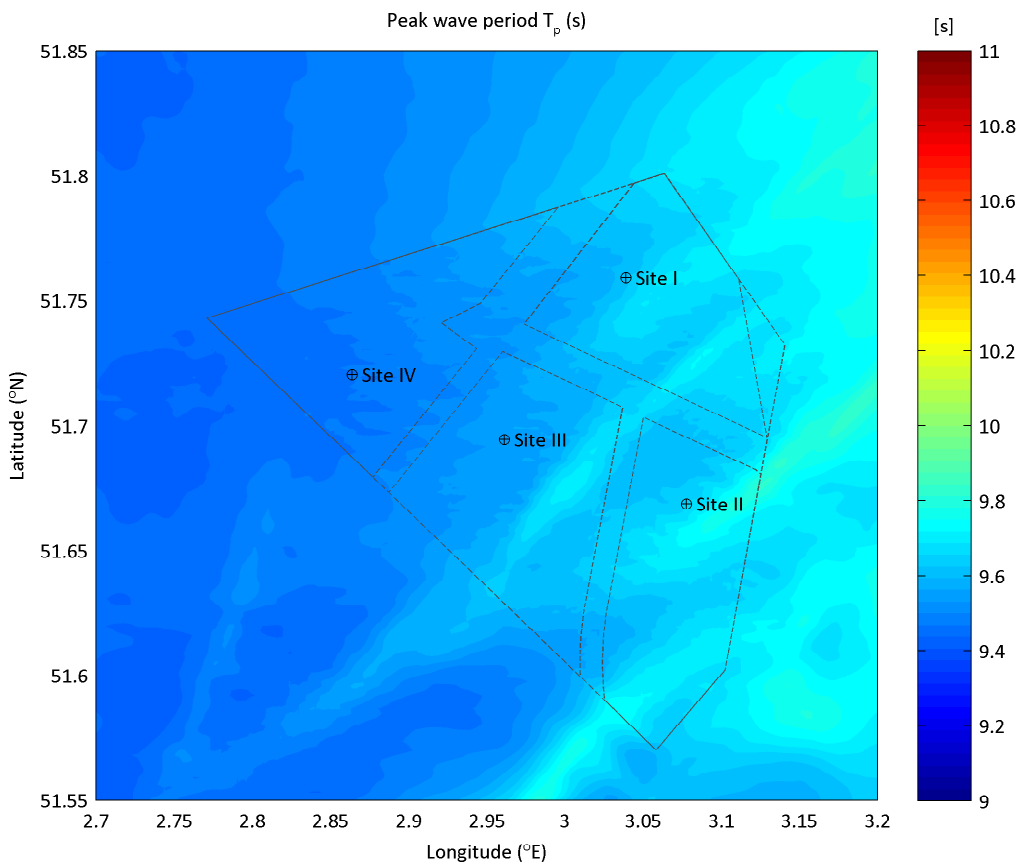
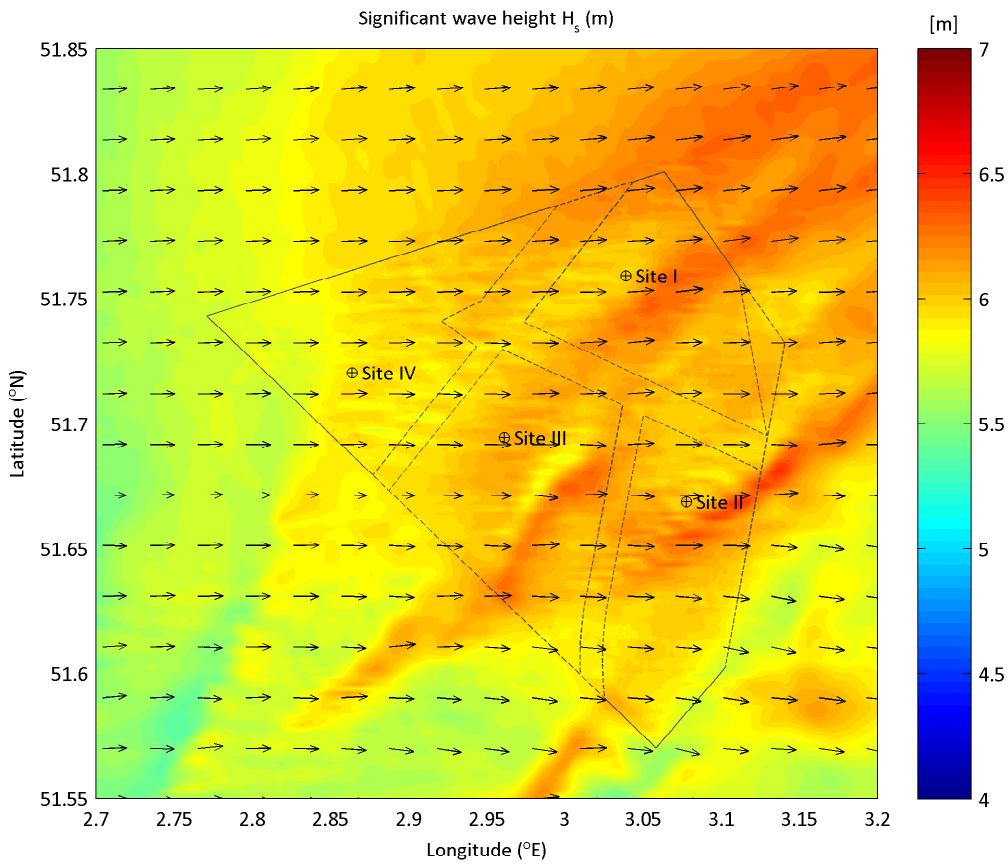
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.056



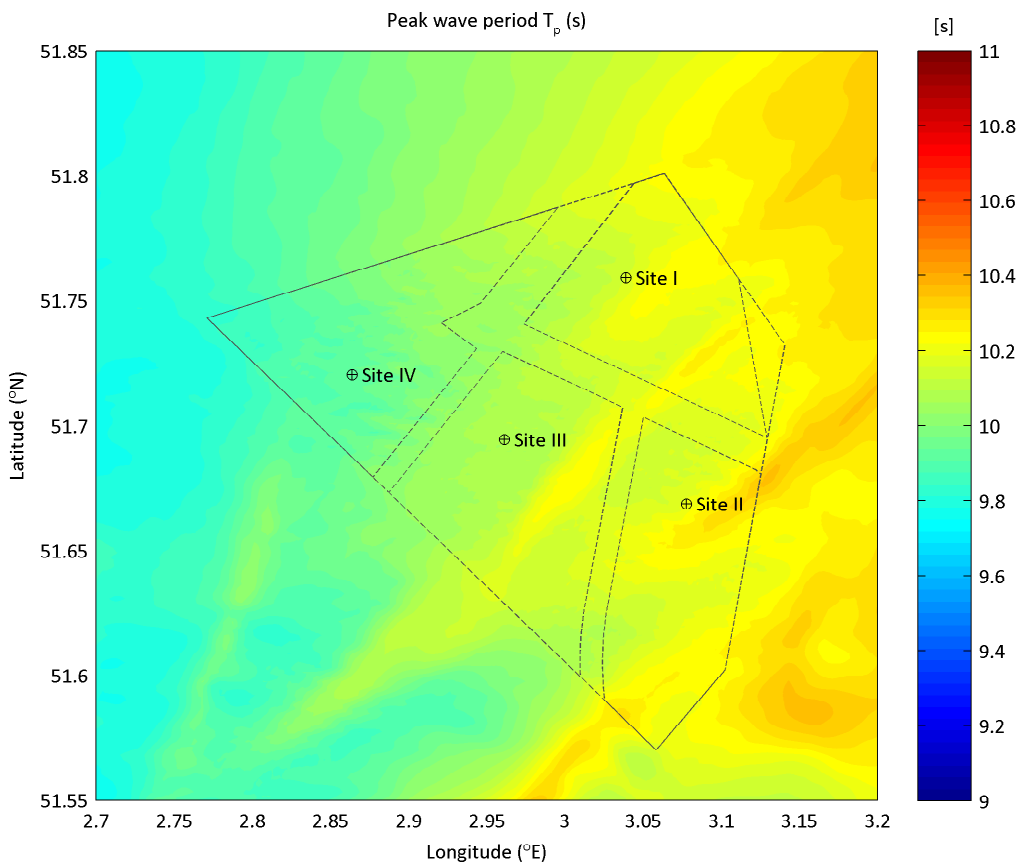
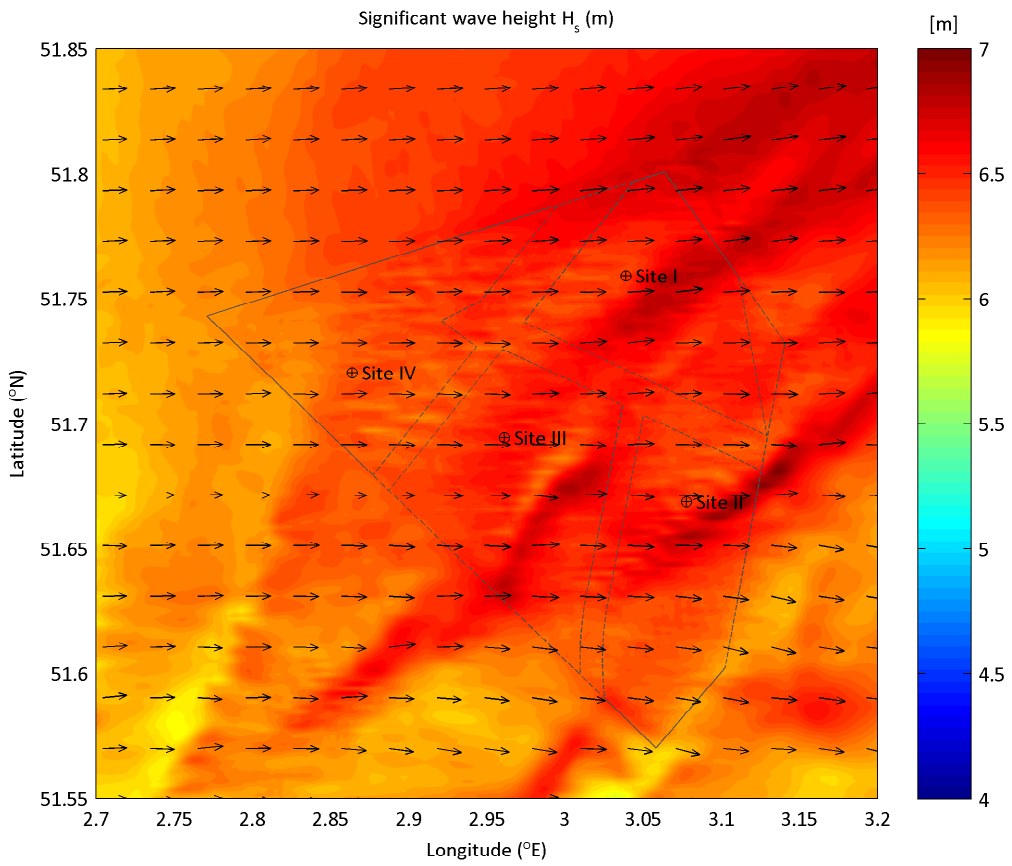
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.057



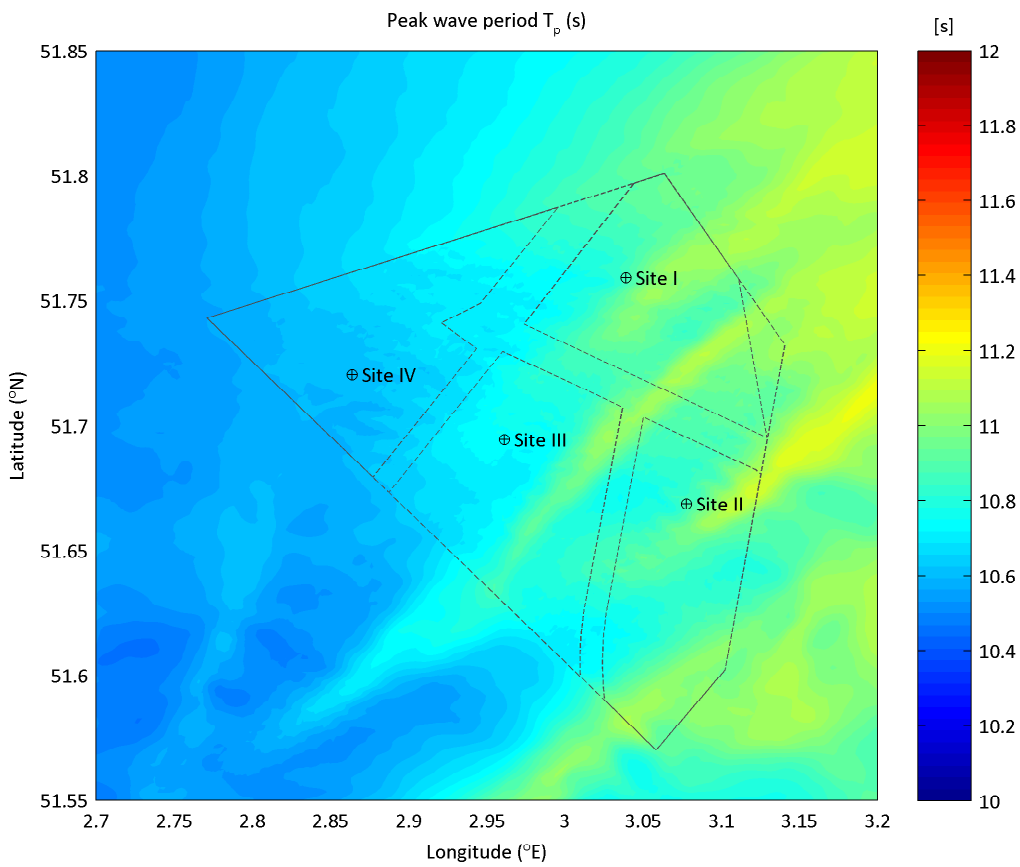
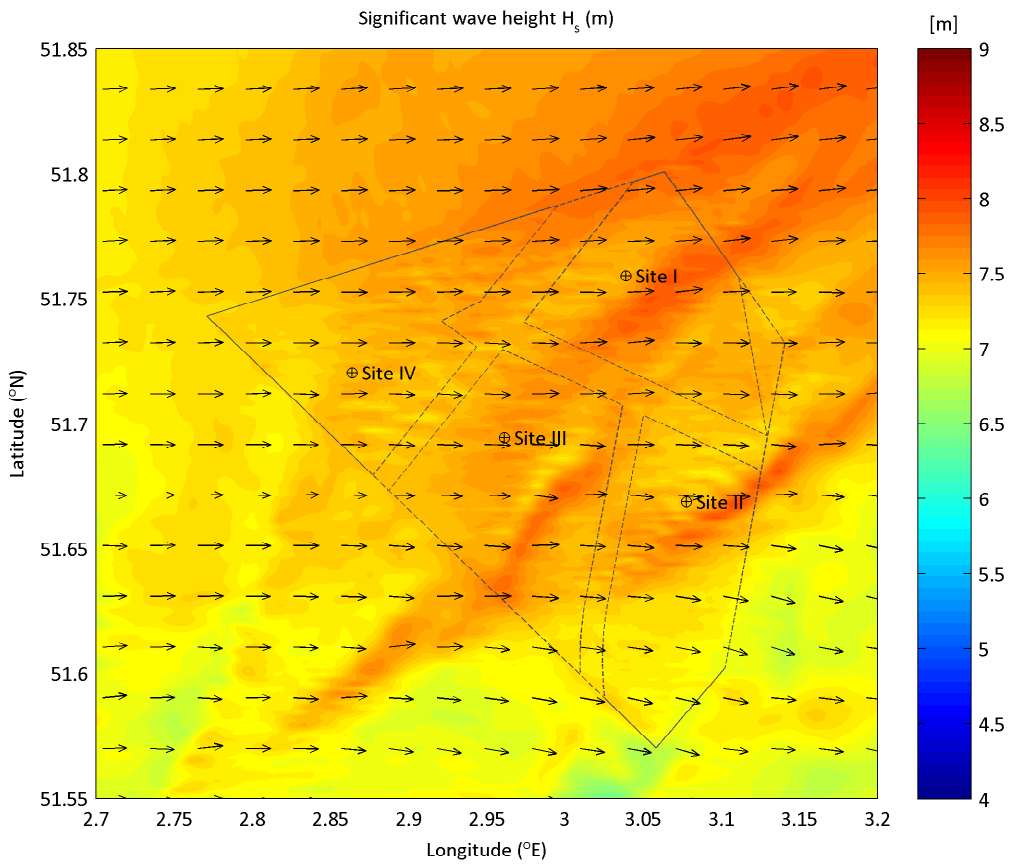
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.058



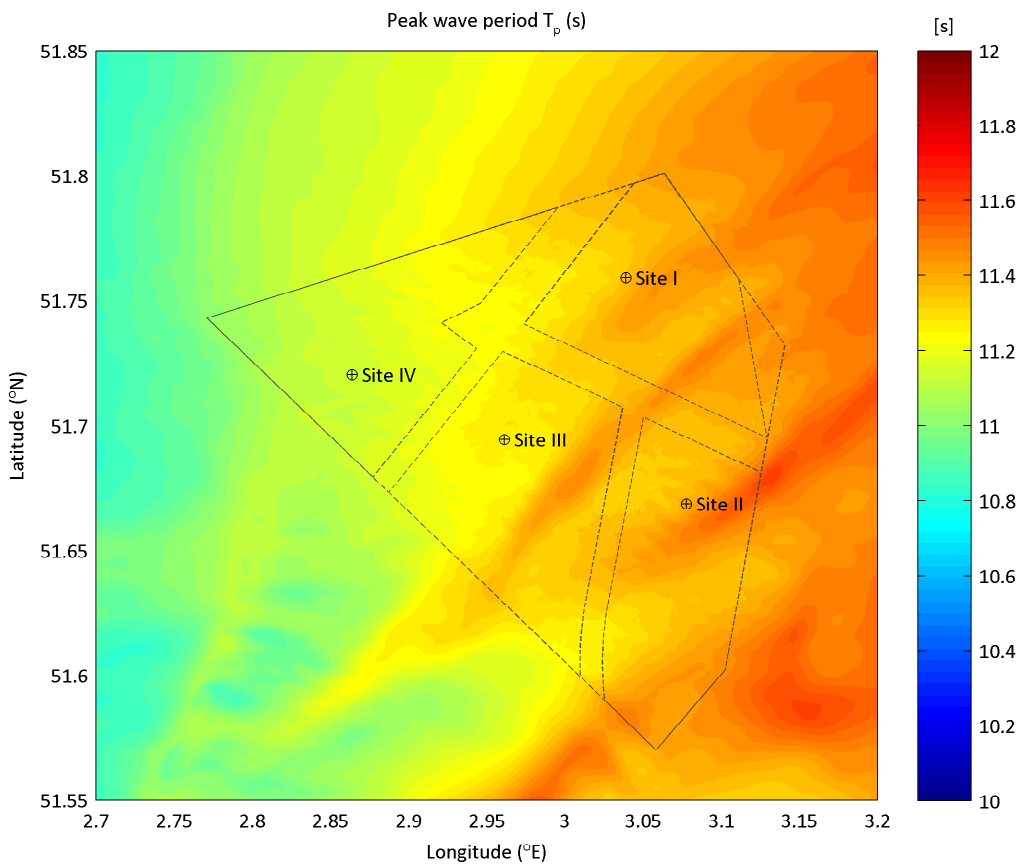
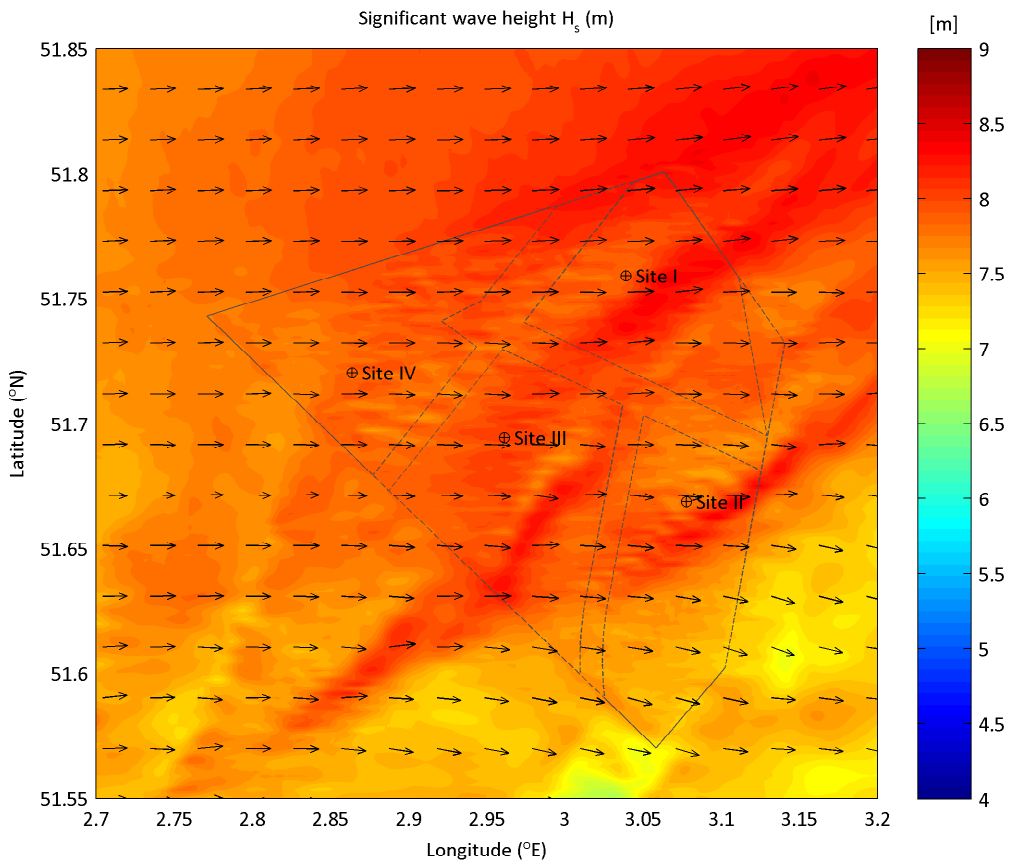
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.059



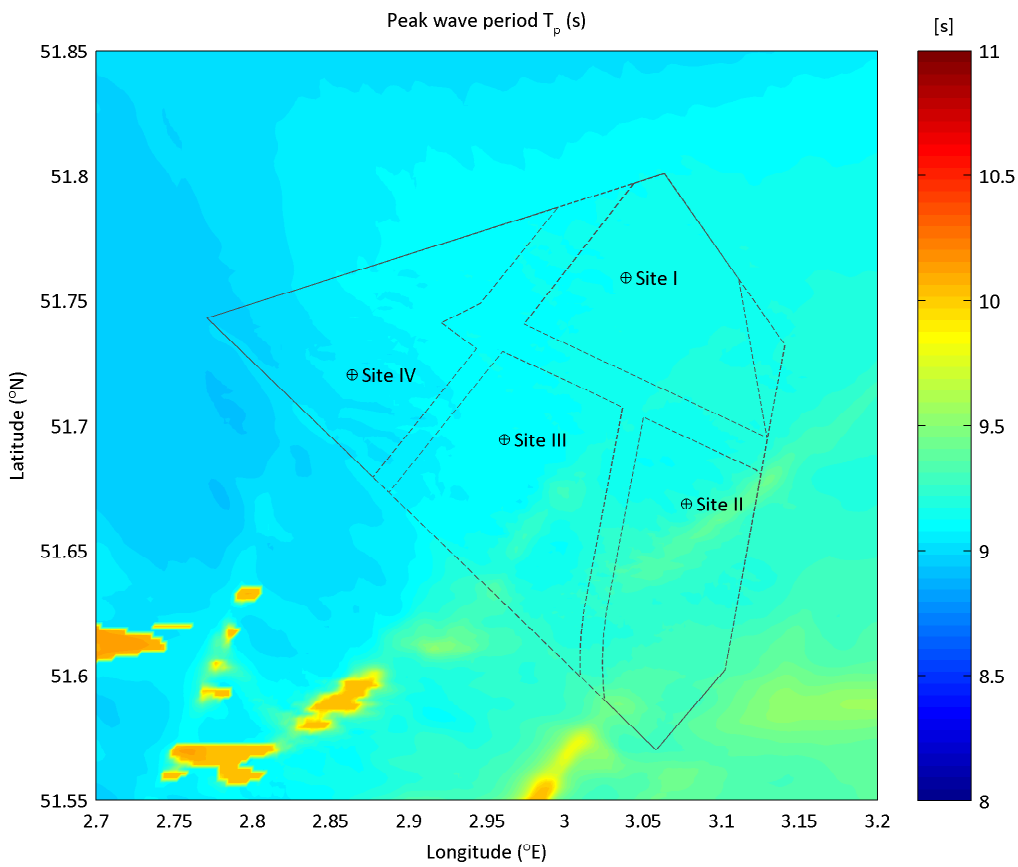
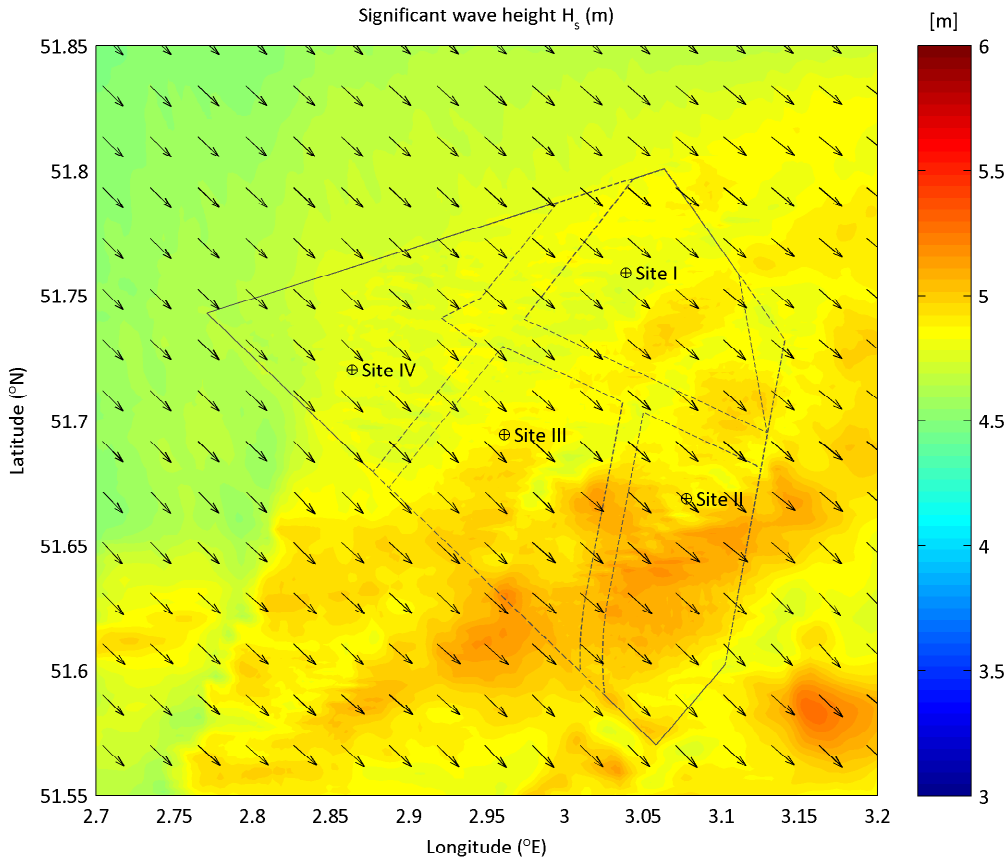
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.060



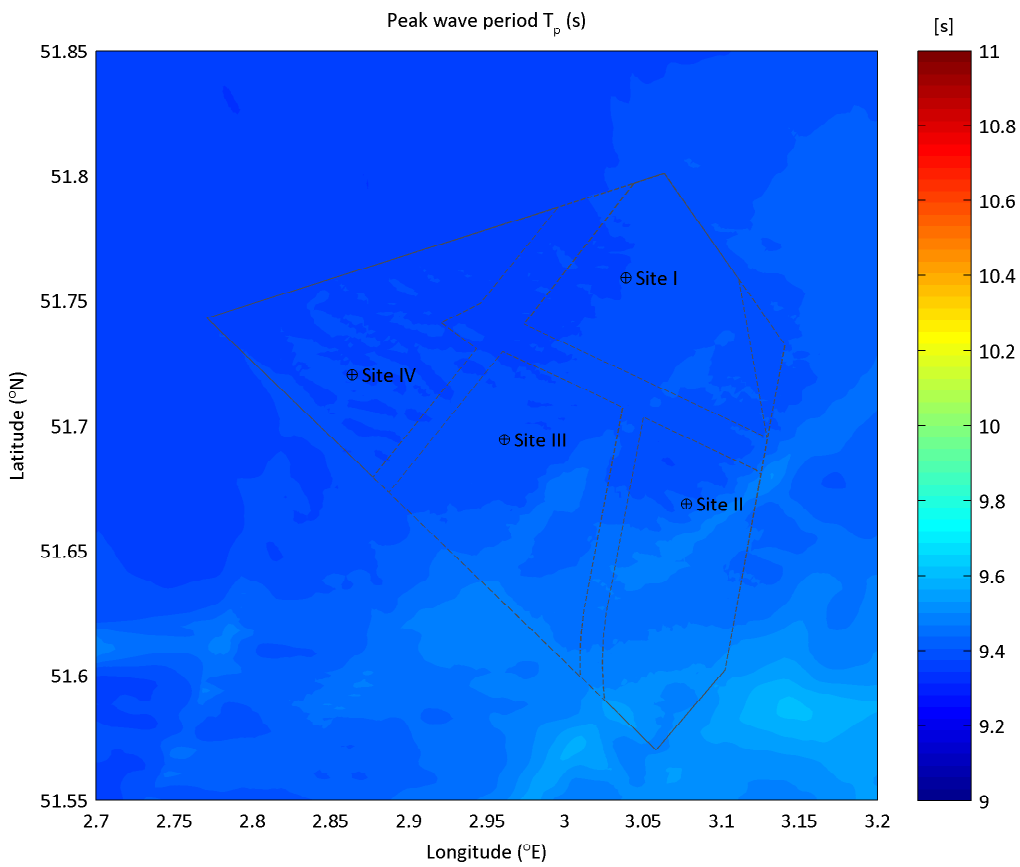
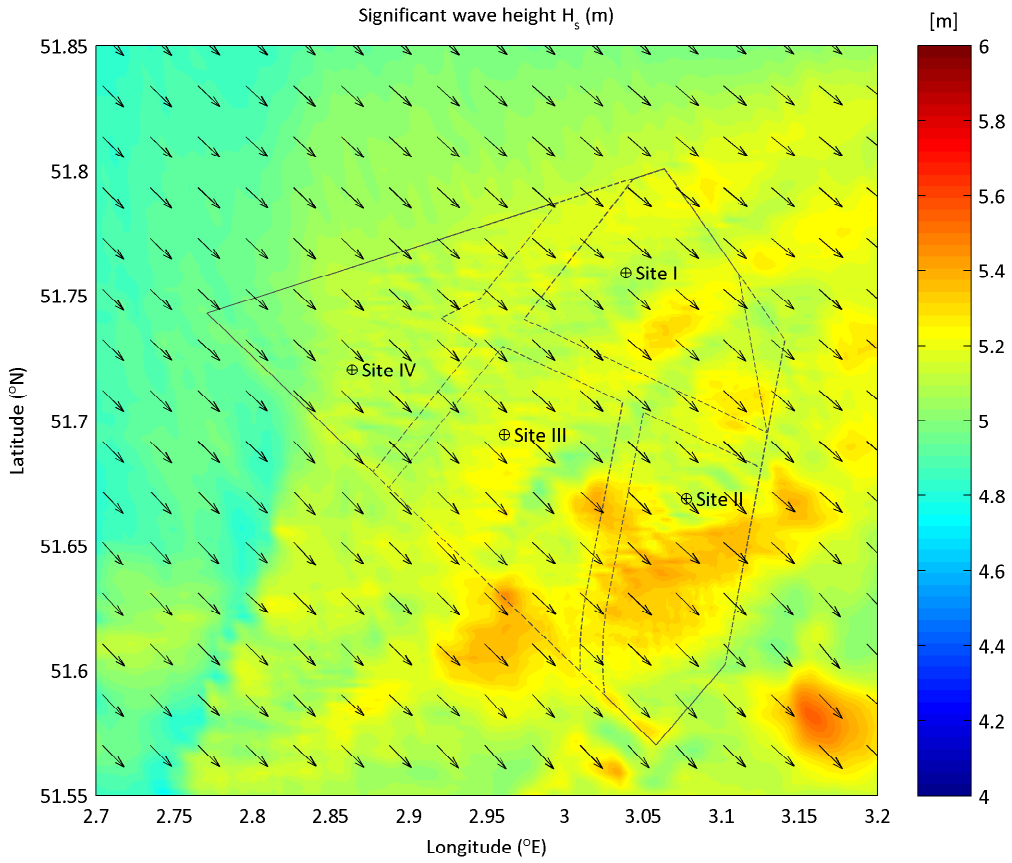
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.061



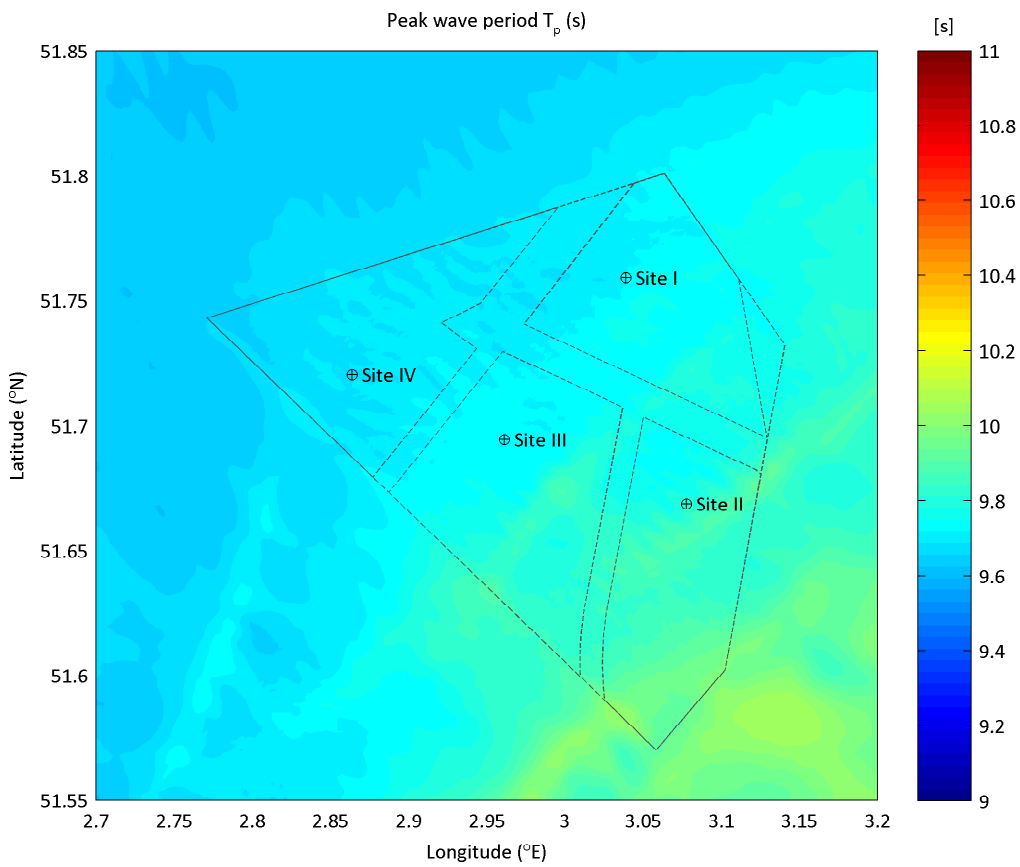
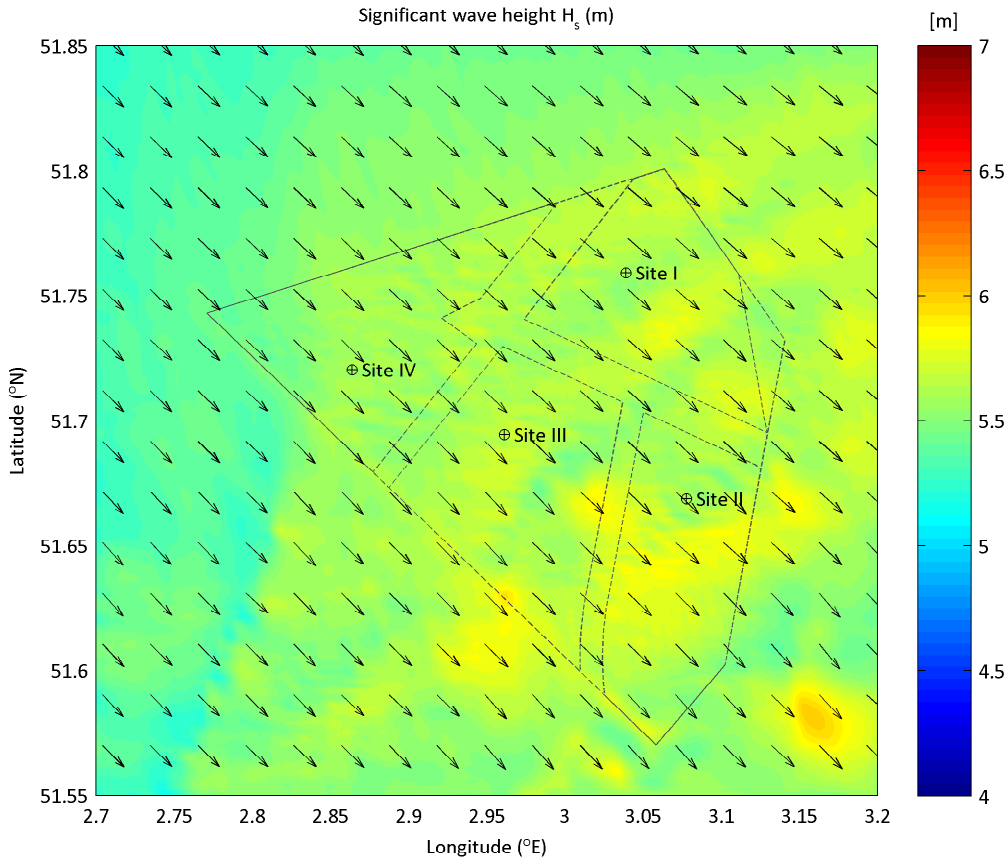
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.062



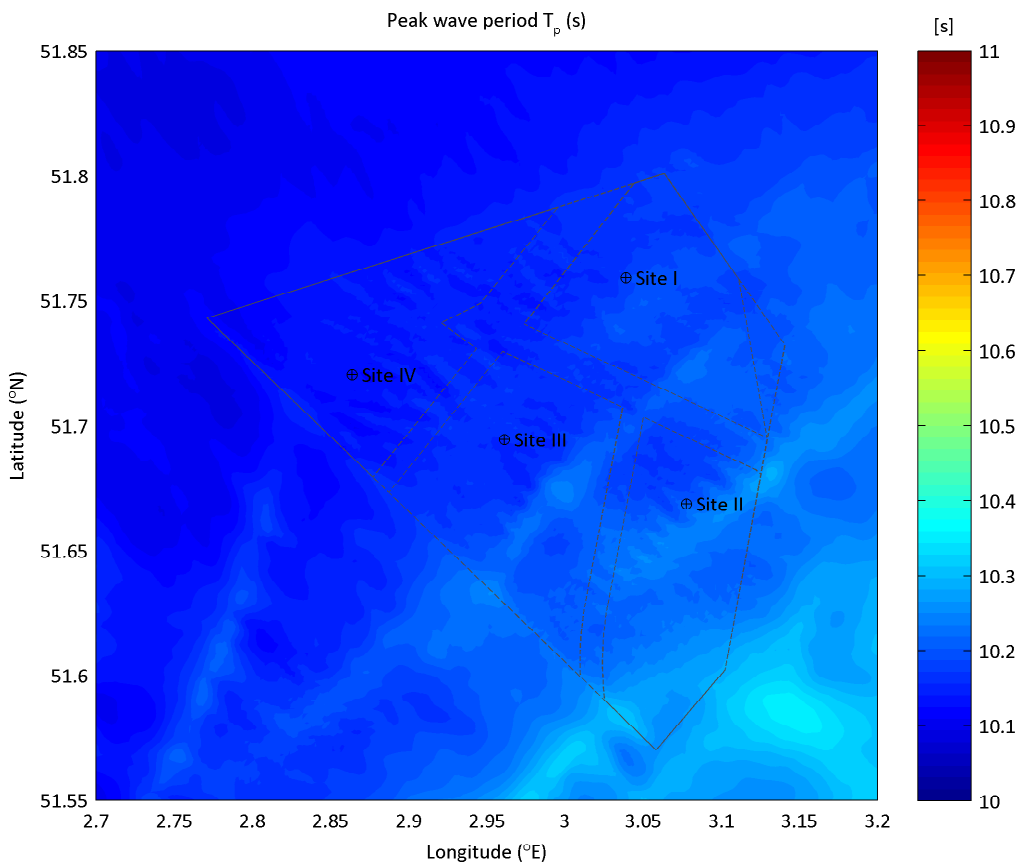
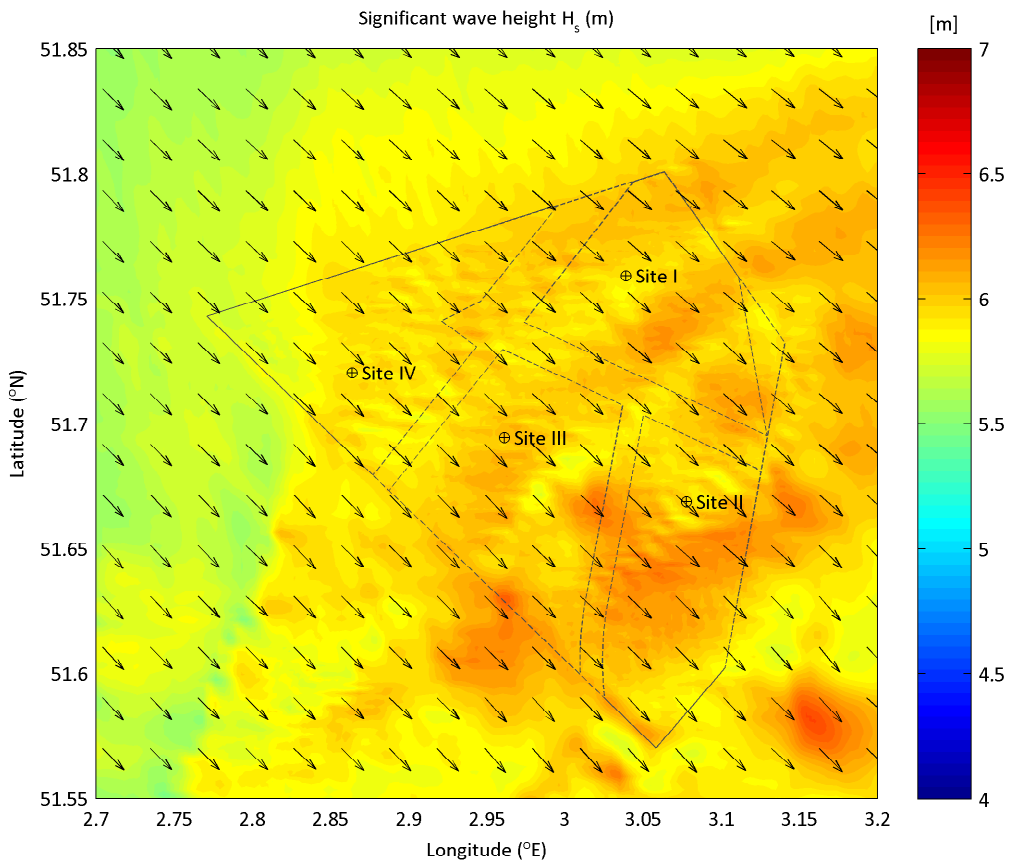
Extreme wave condition from Sector285 ($^{\circ}$ N) - 315 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.063



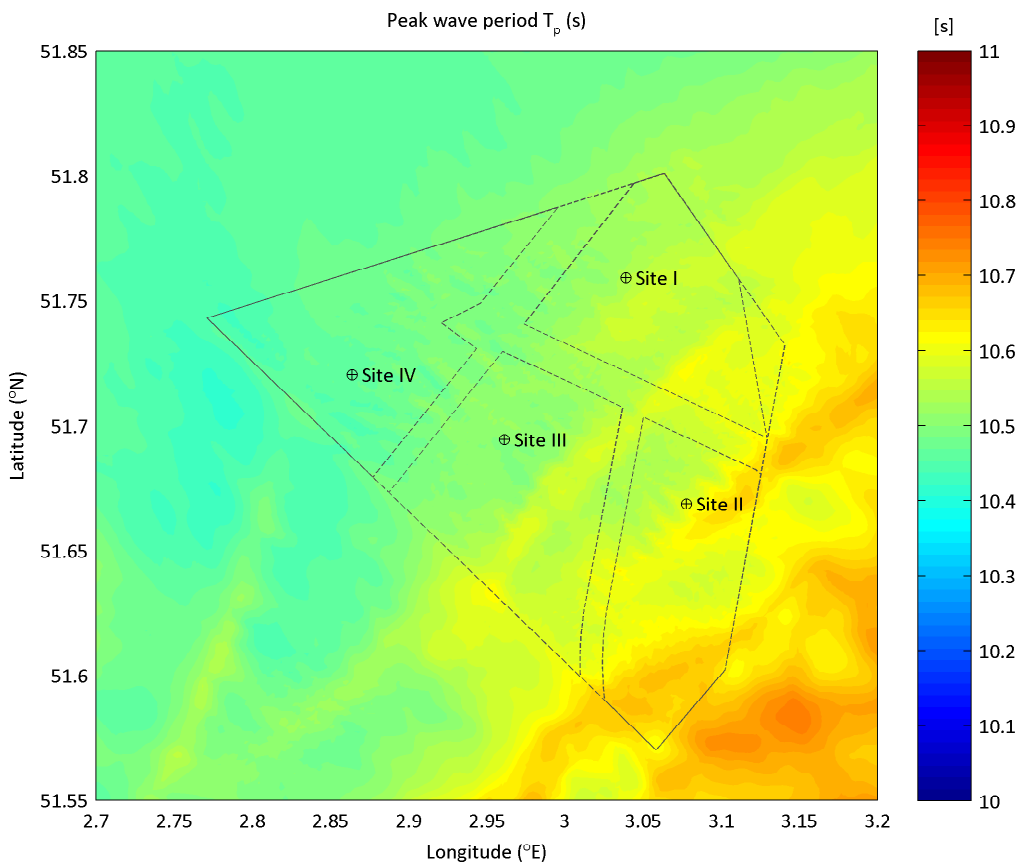
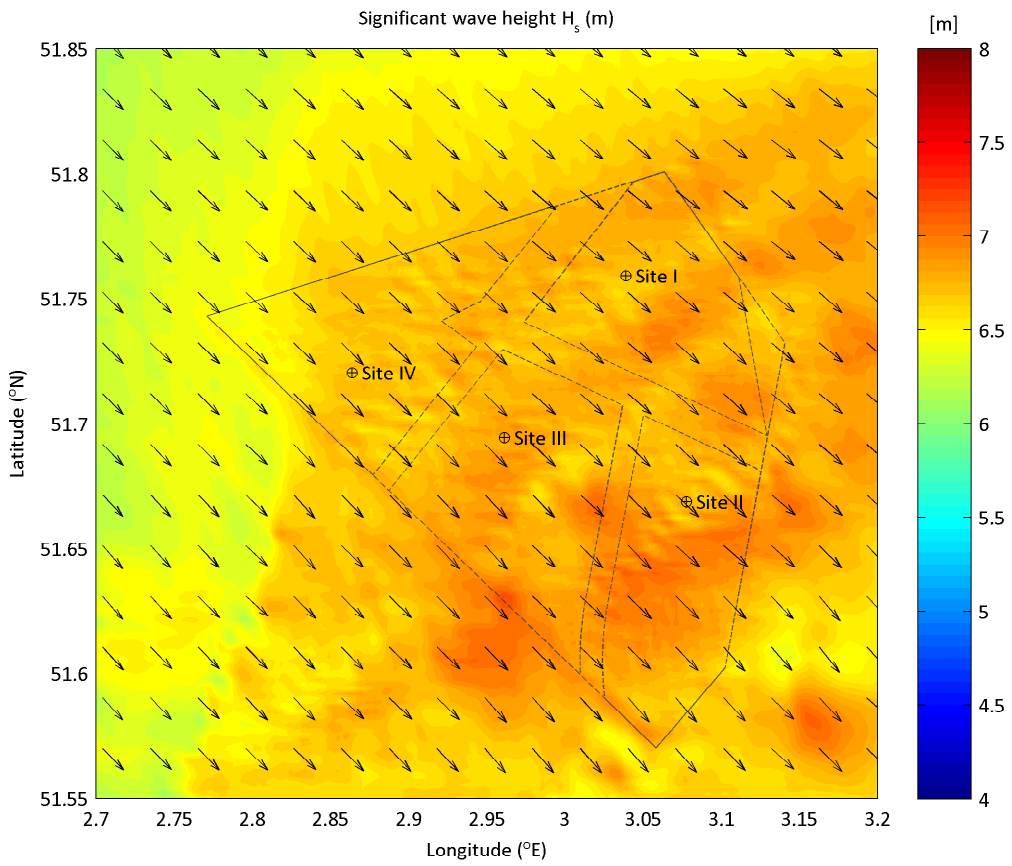
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.064



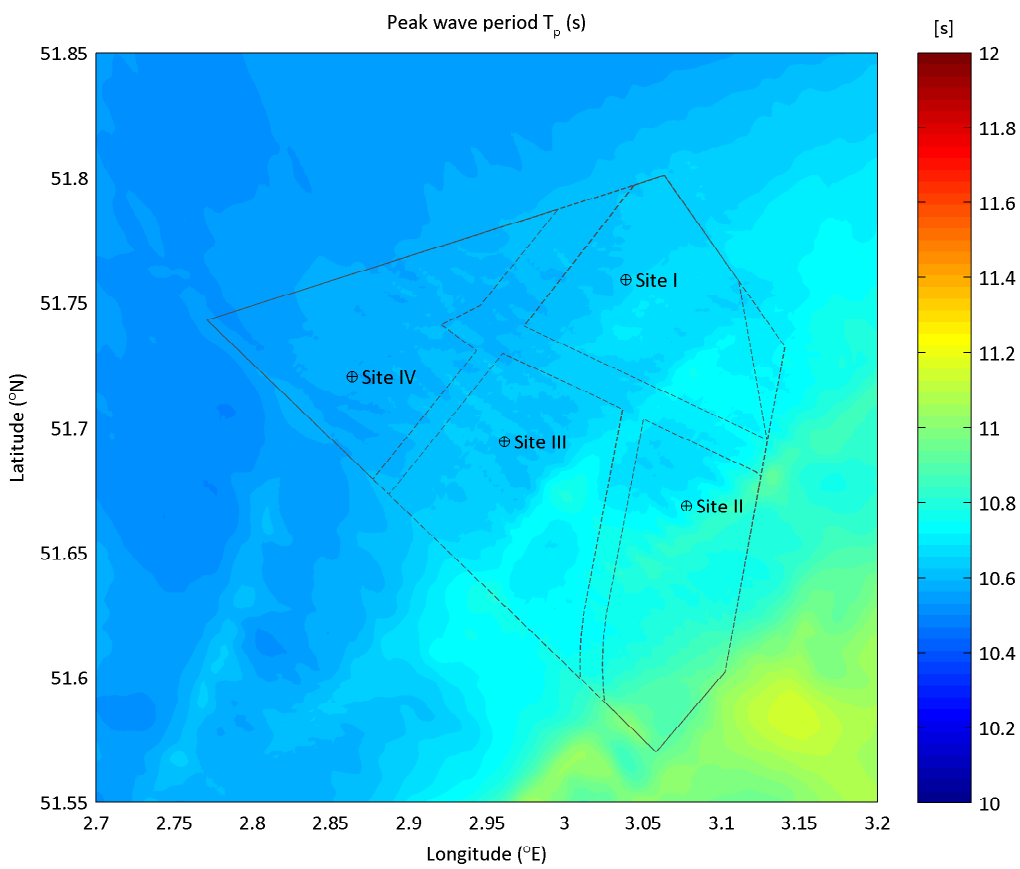
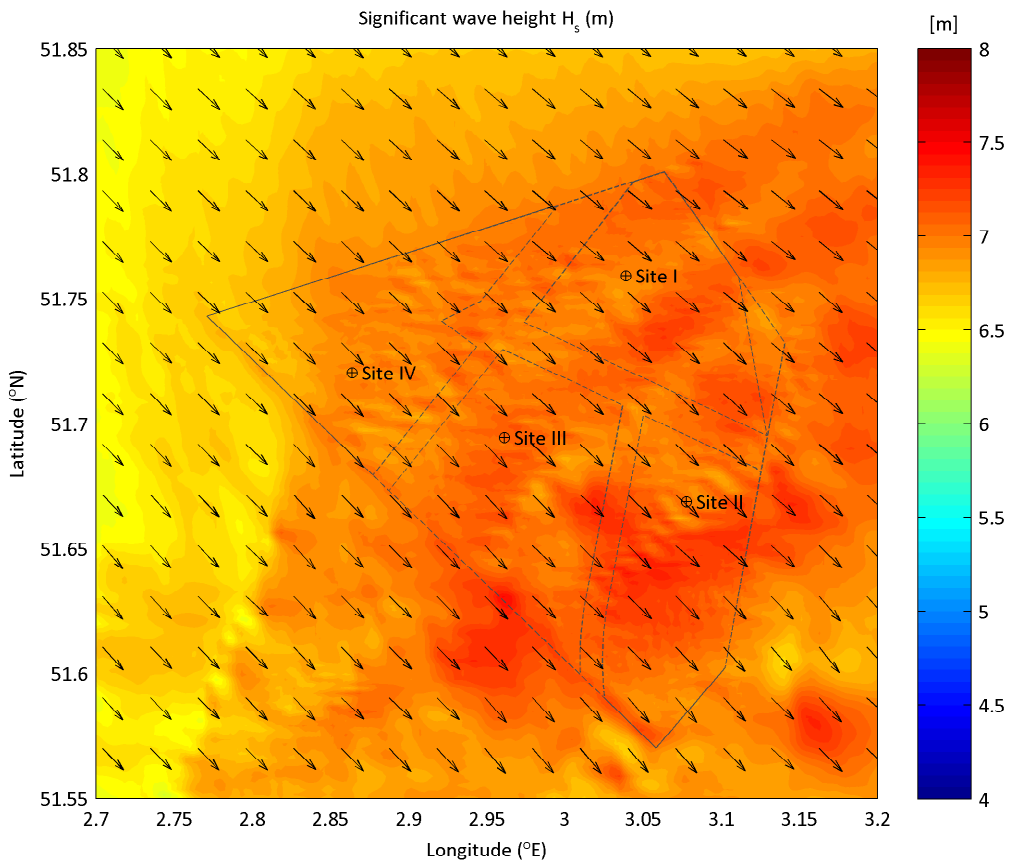
Extreme wave condition from Sector285 ($^{\circ}$ N) - 315 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.065



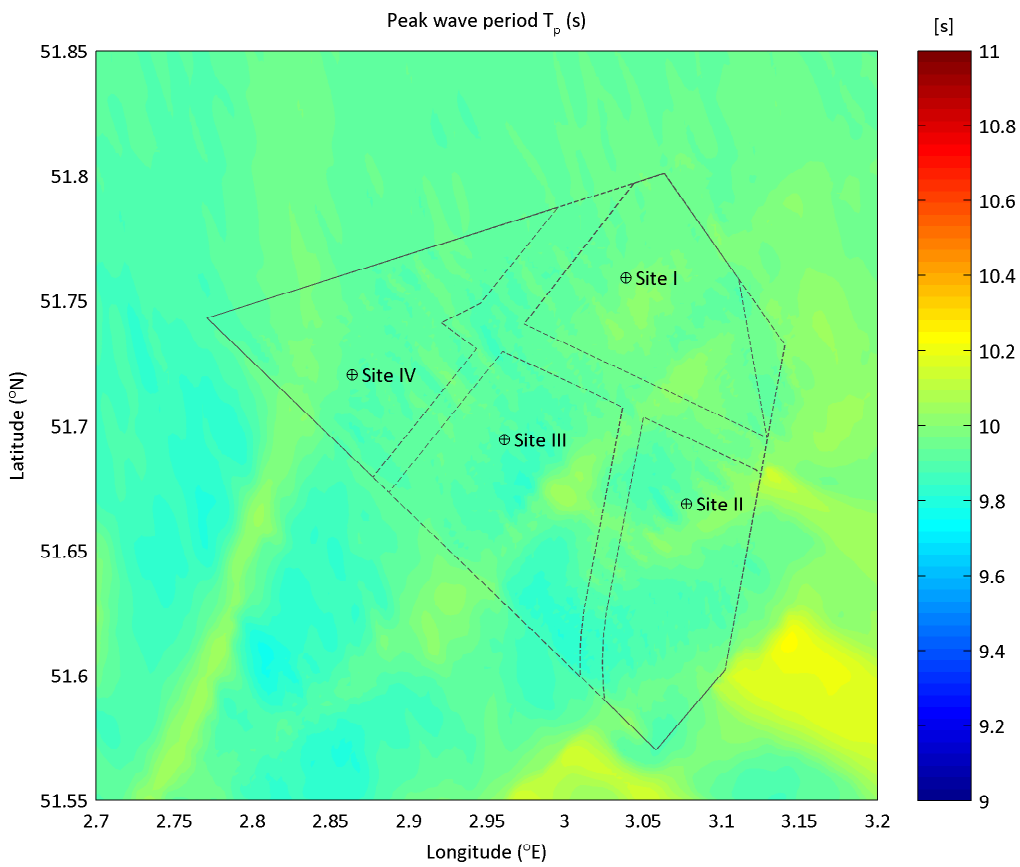
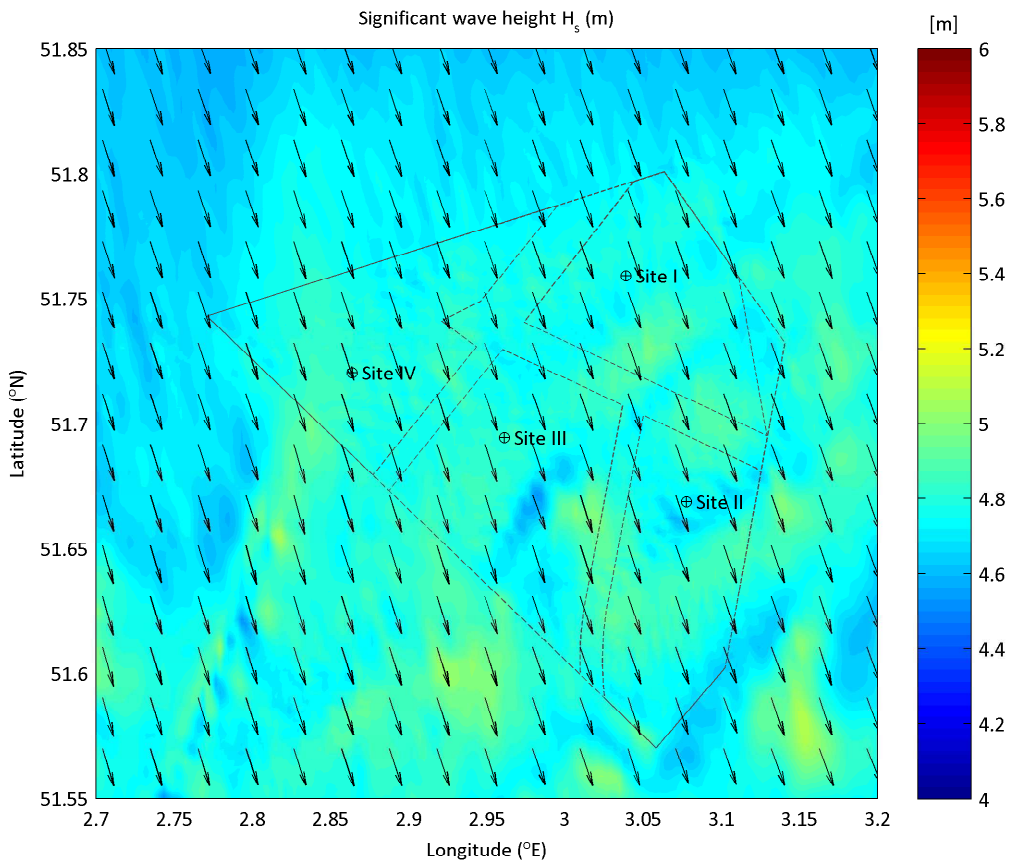
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.066



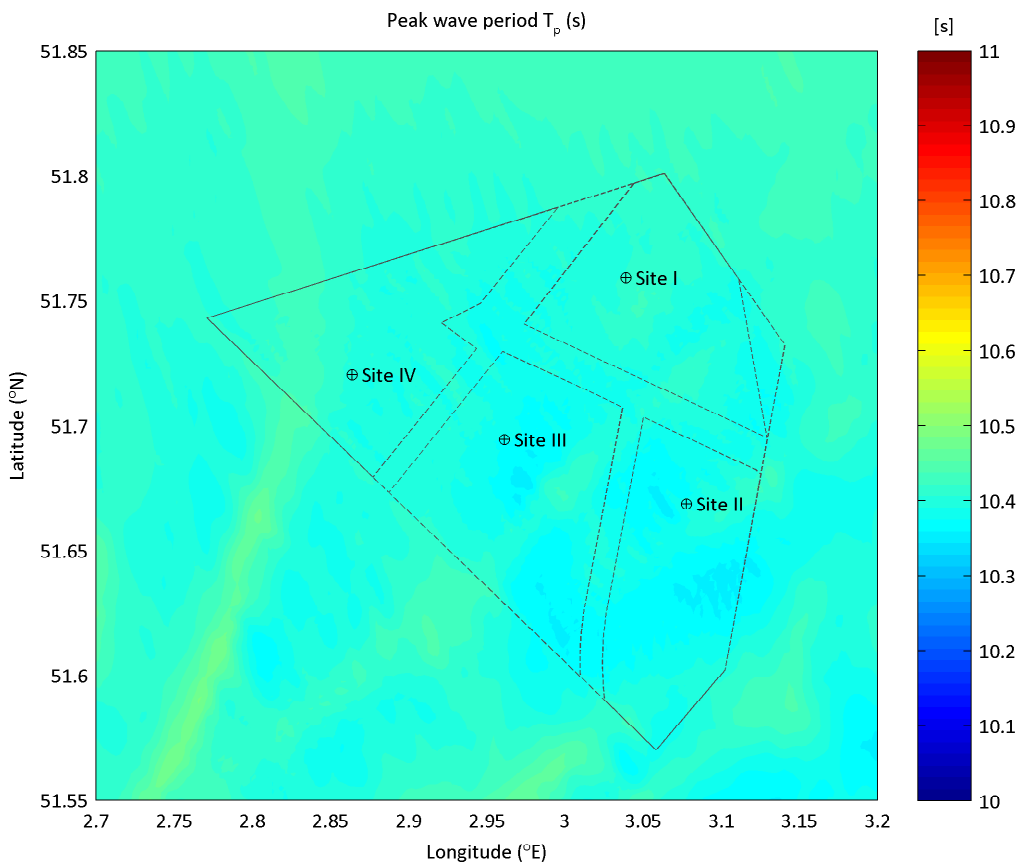
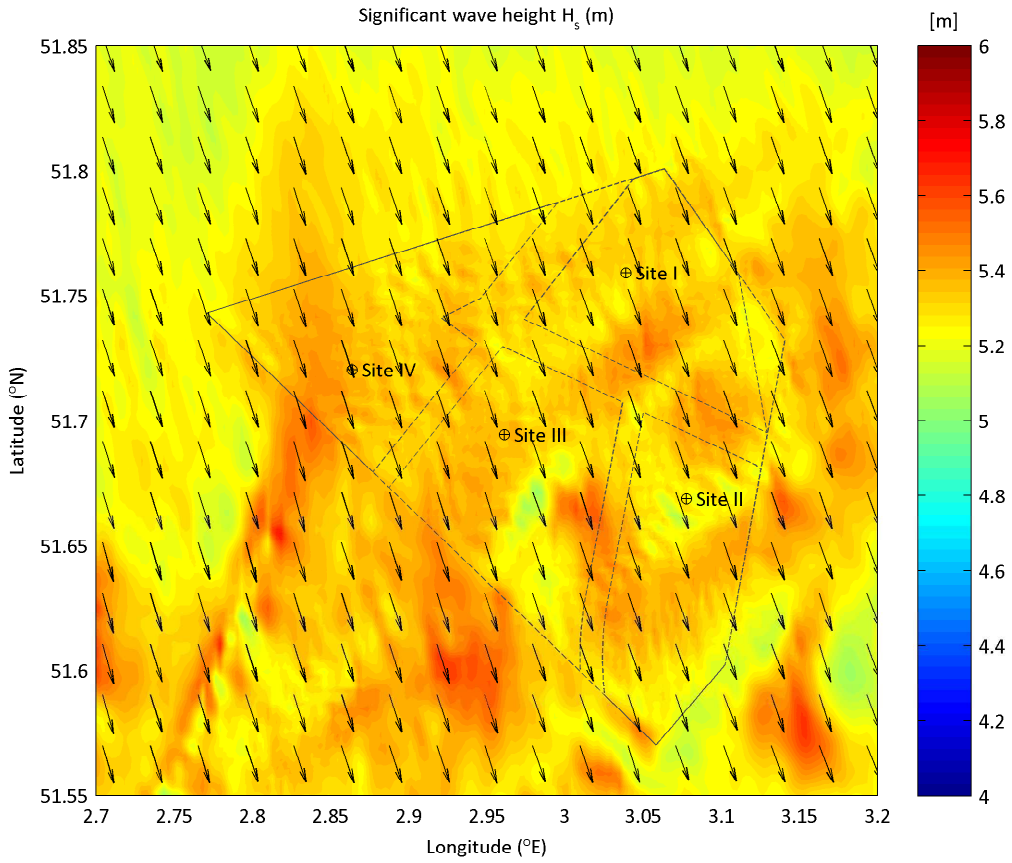
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.067



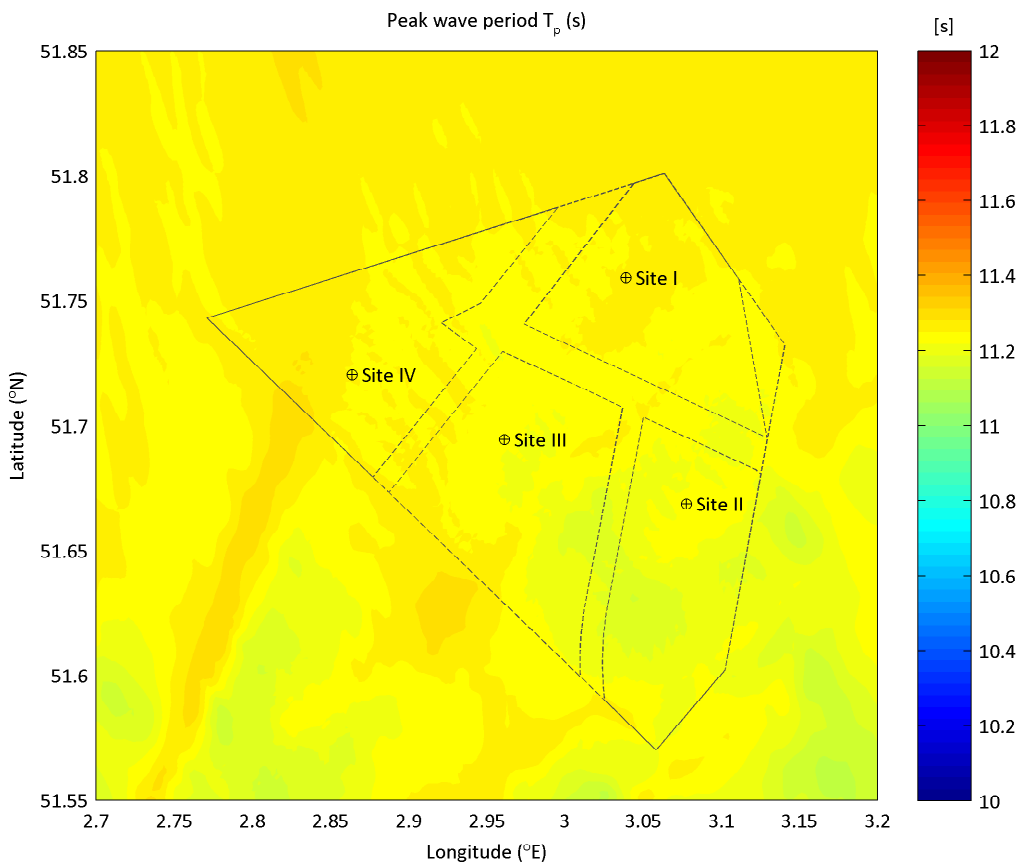
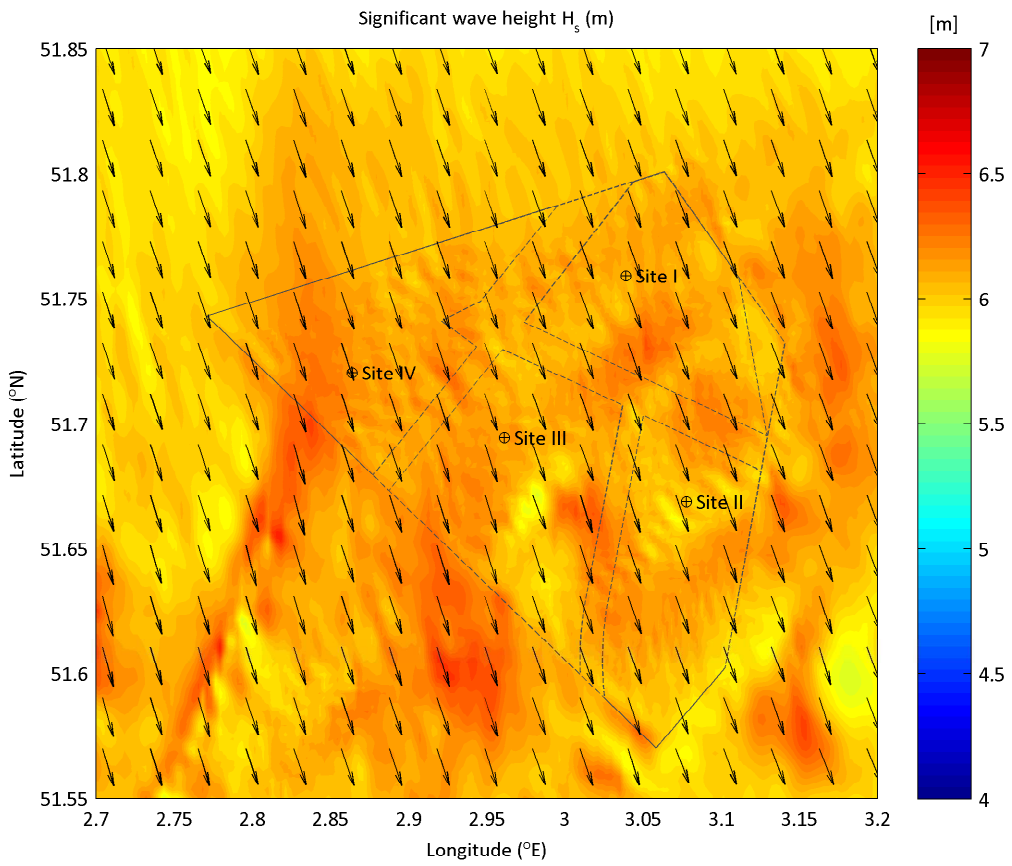
Extreme wave condition from Sector315 (°N) - 345 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.068



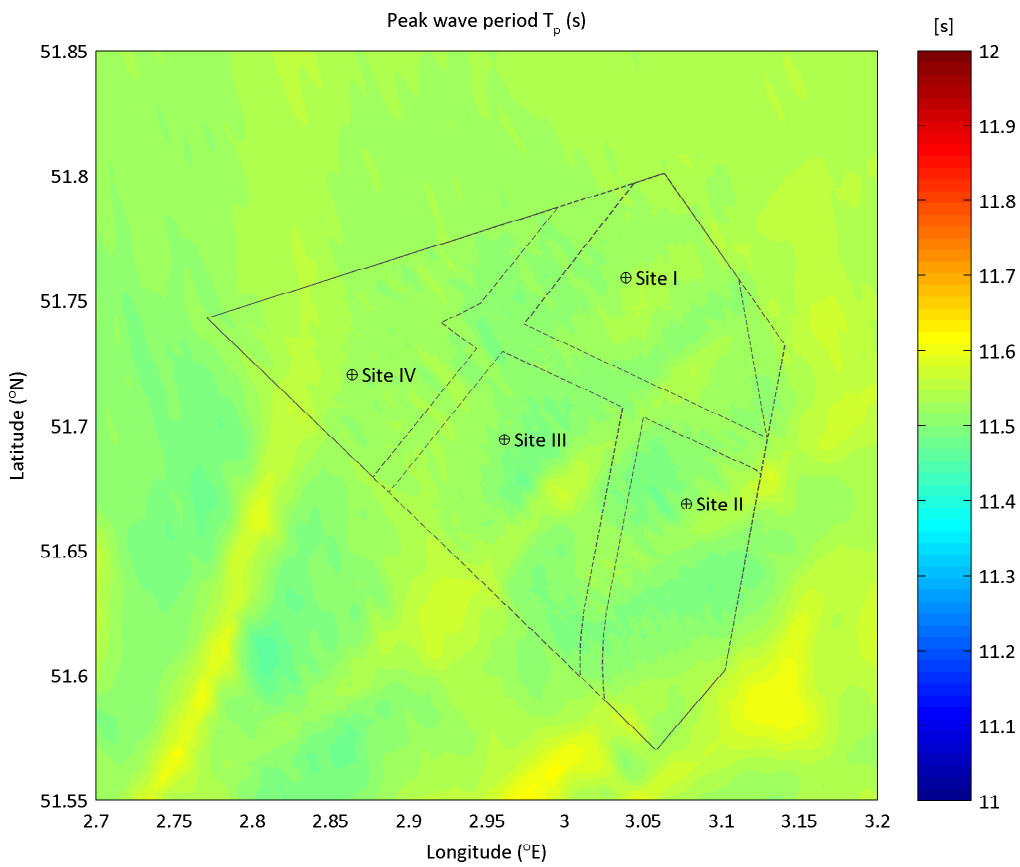
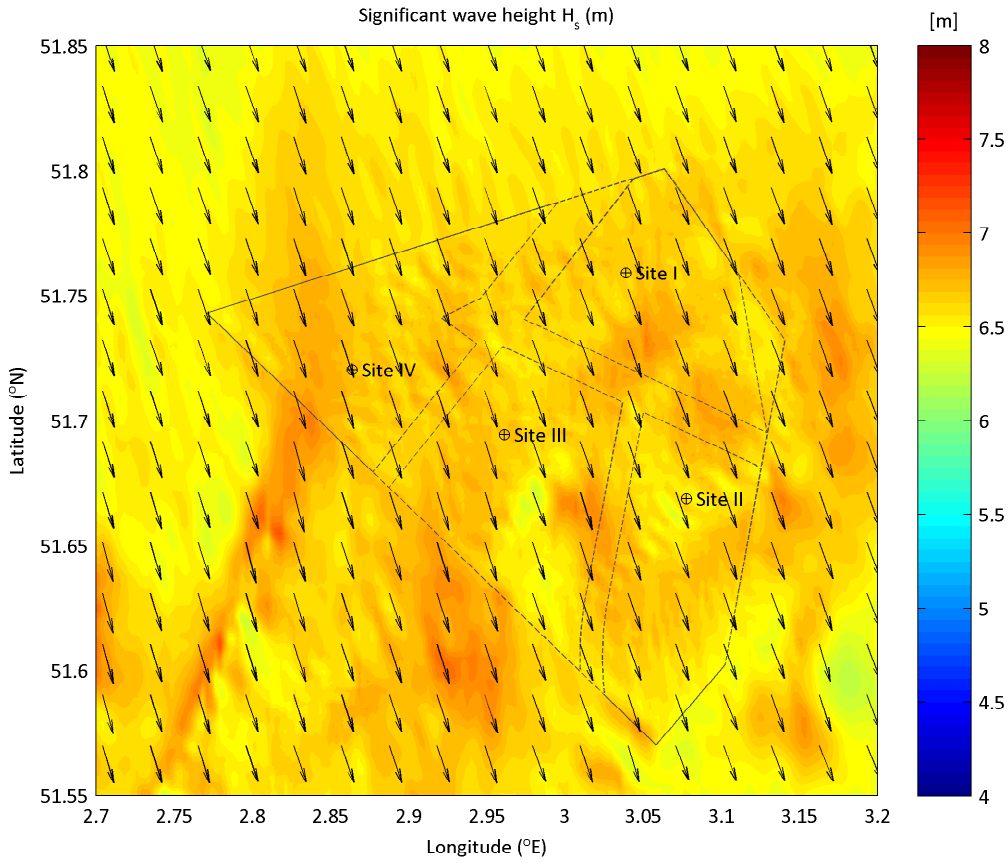
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.069



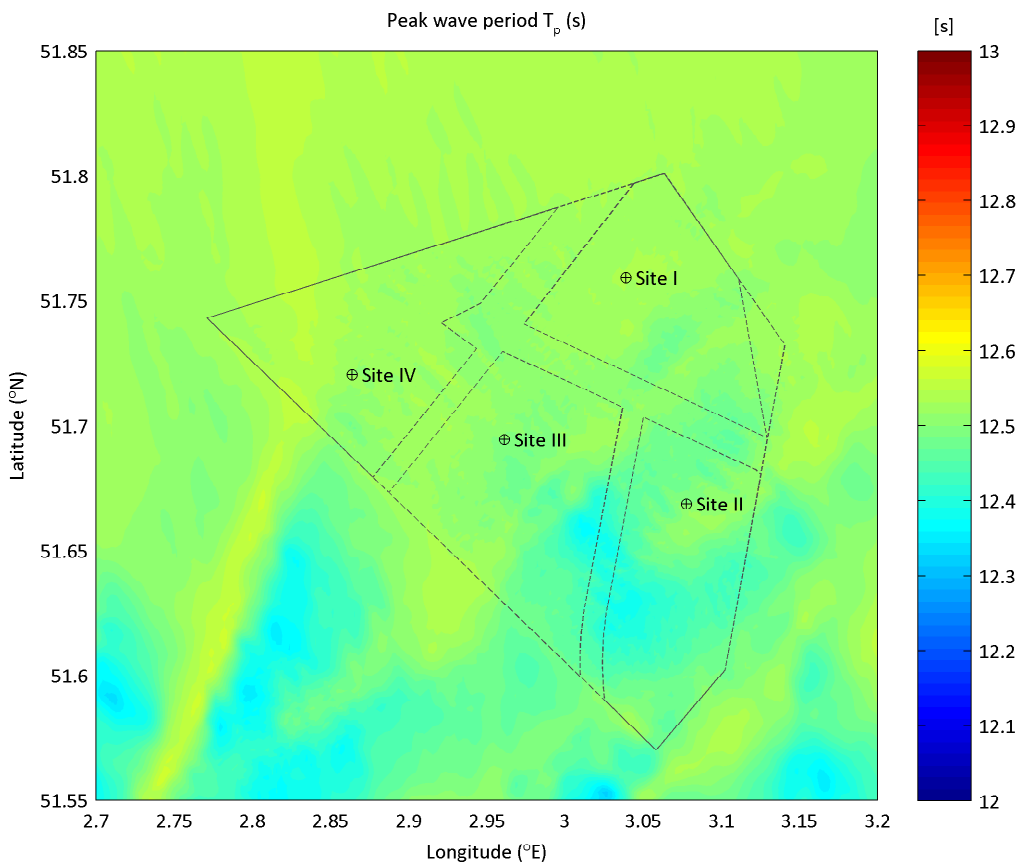
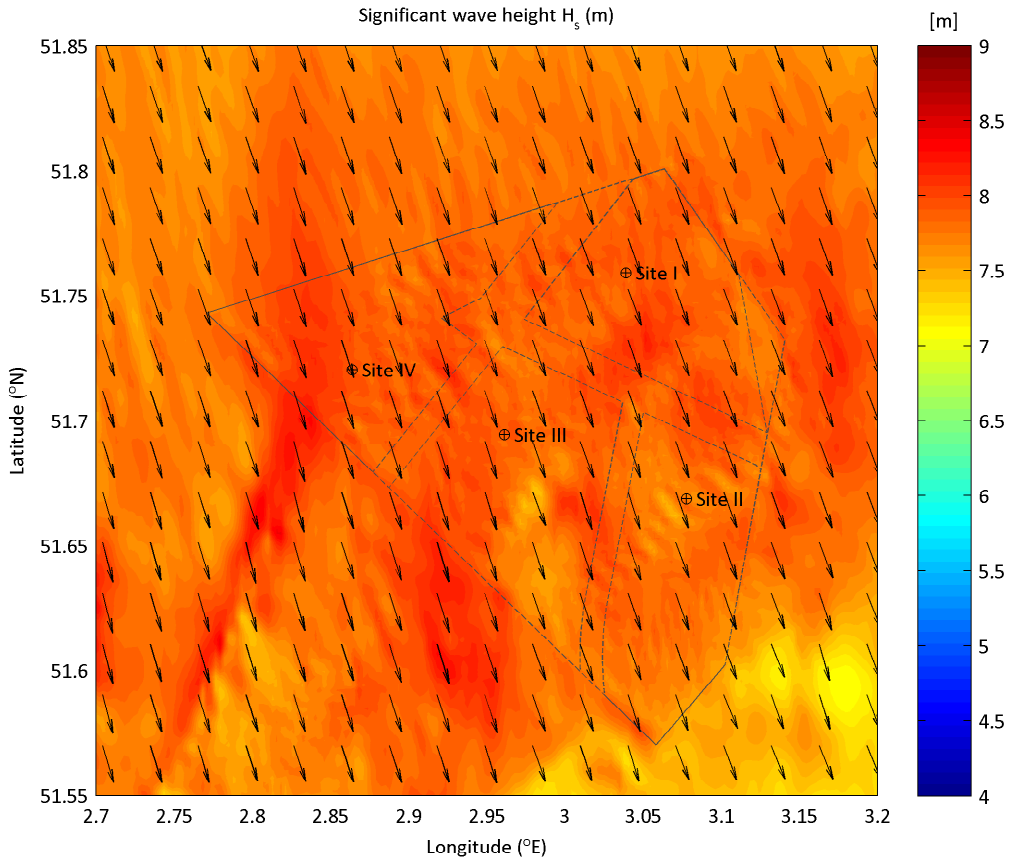
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.070



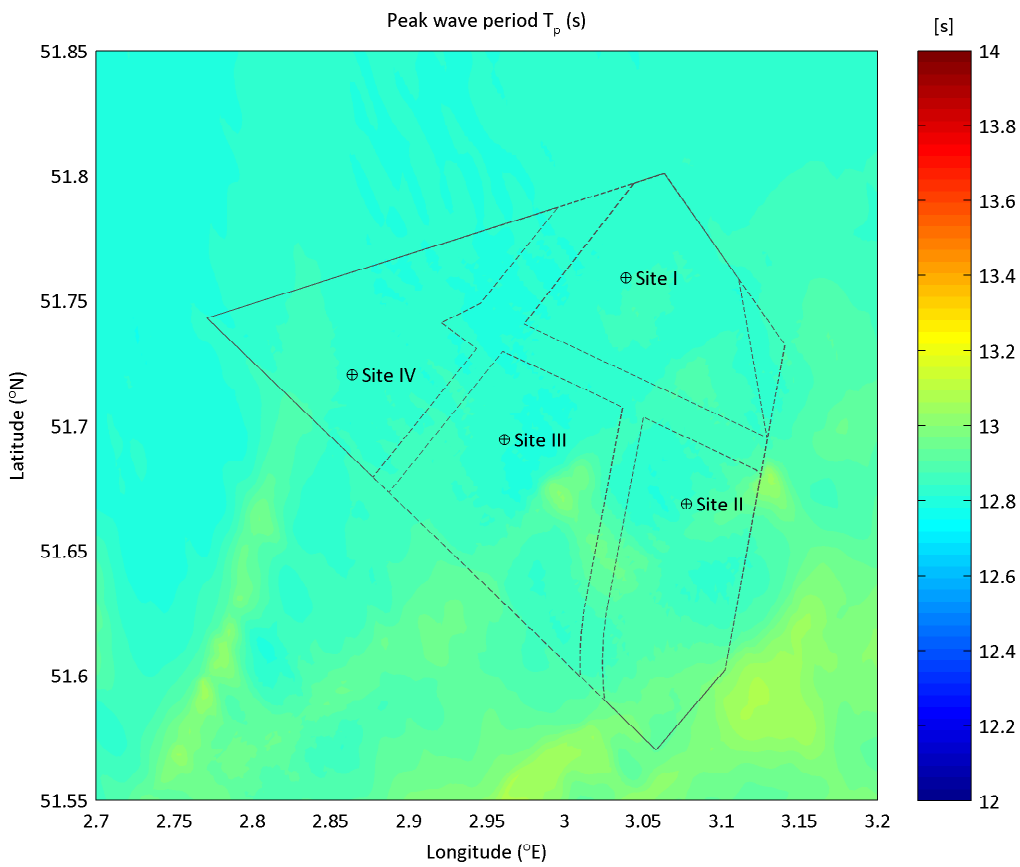
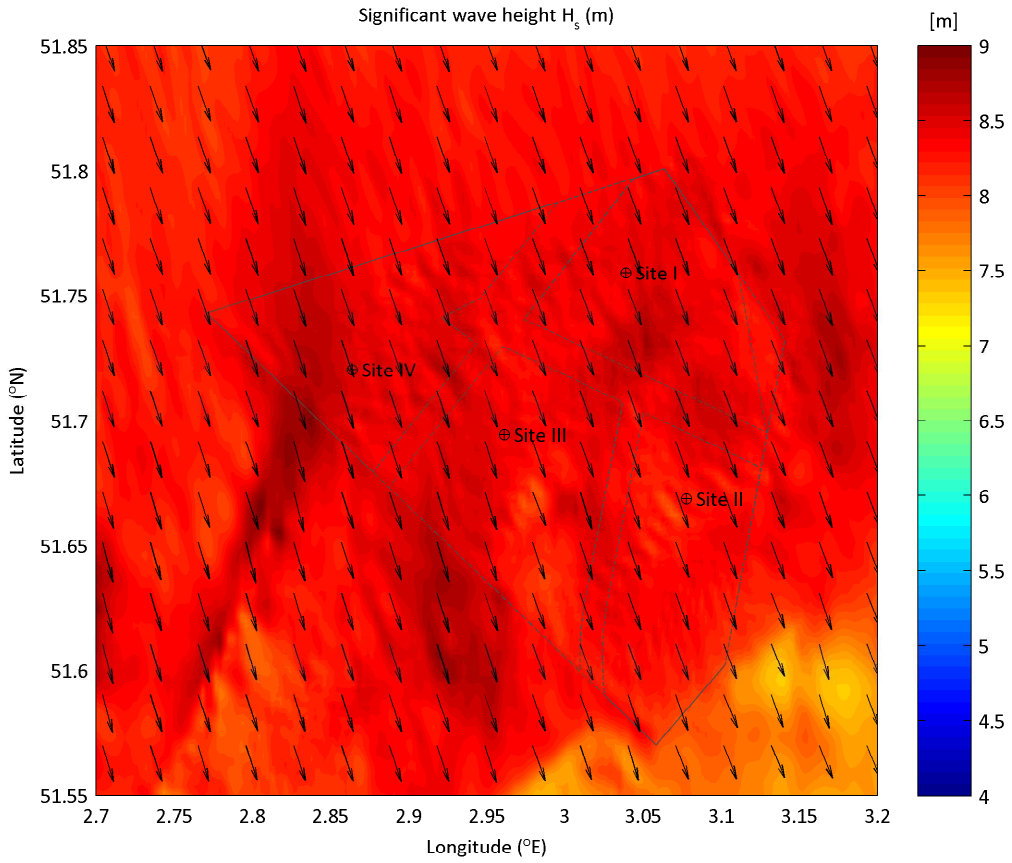
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.071



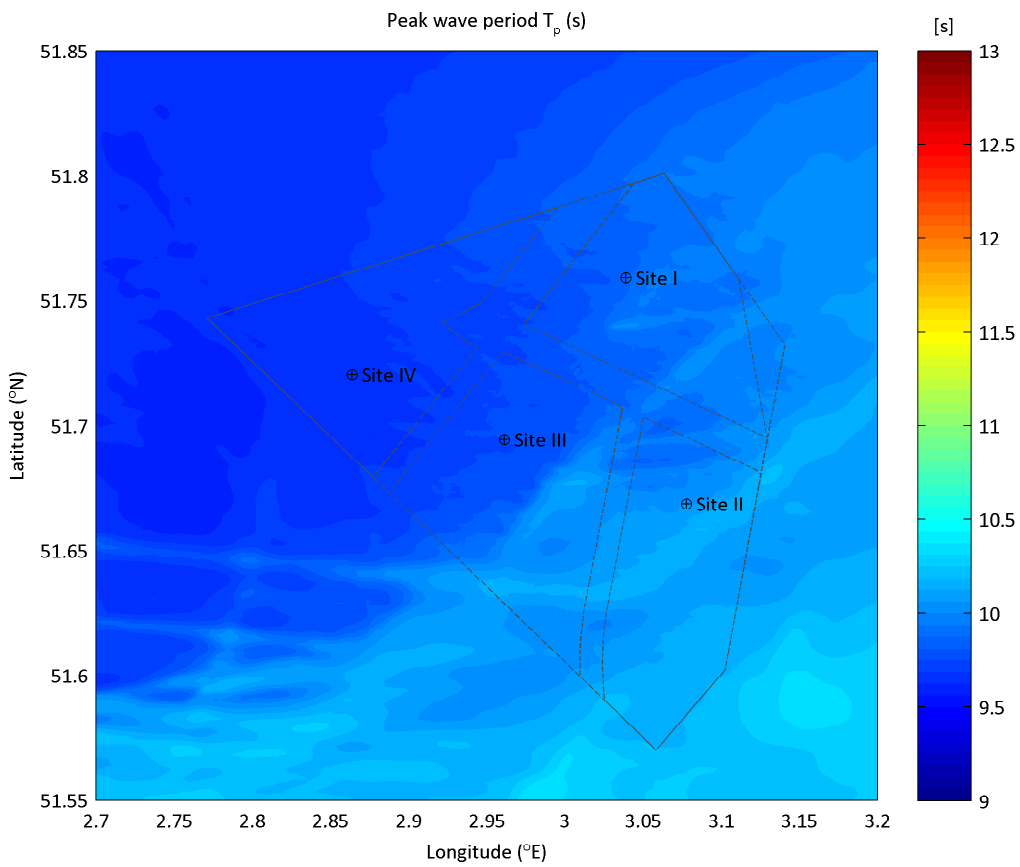
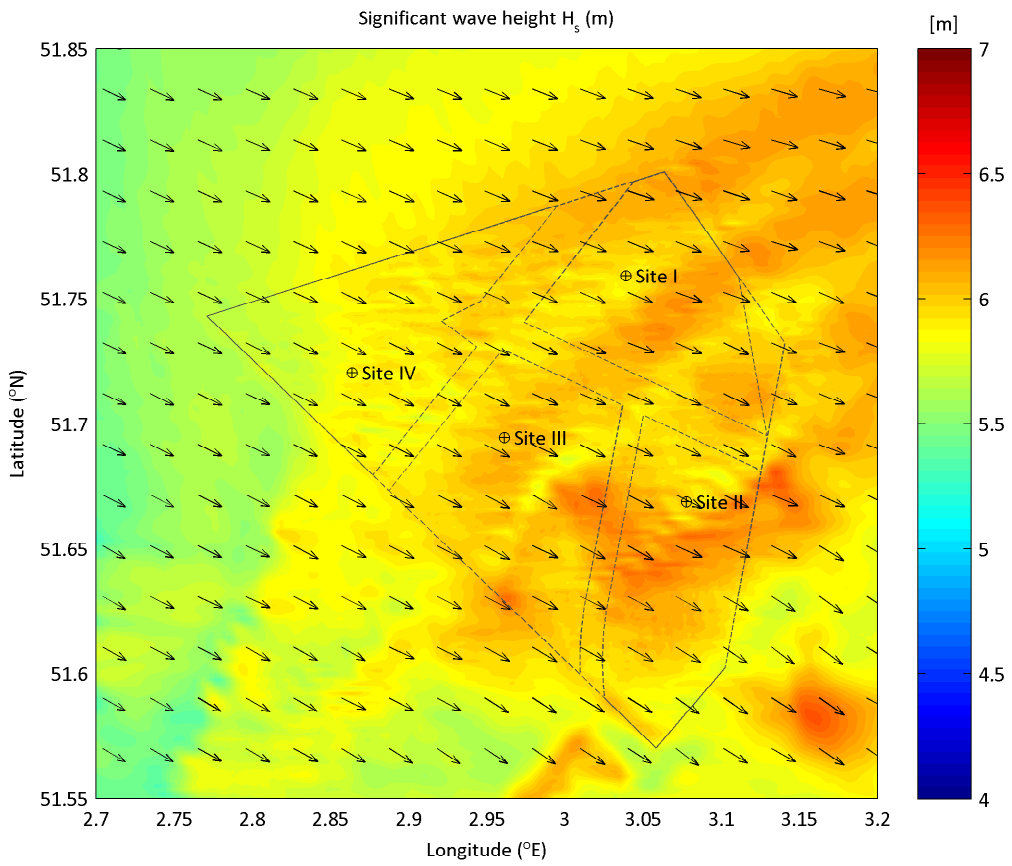
Extreme wave condition from Sector315 (°N) - 345 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.072



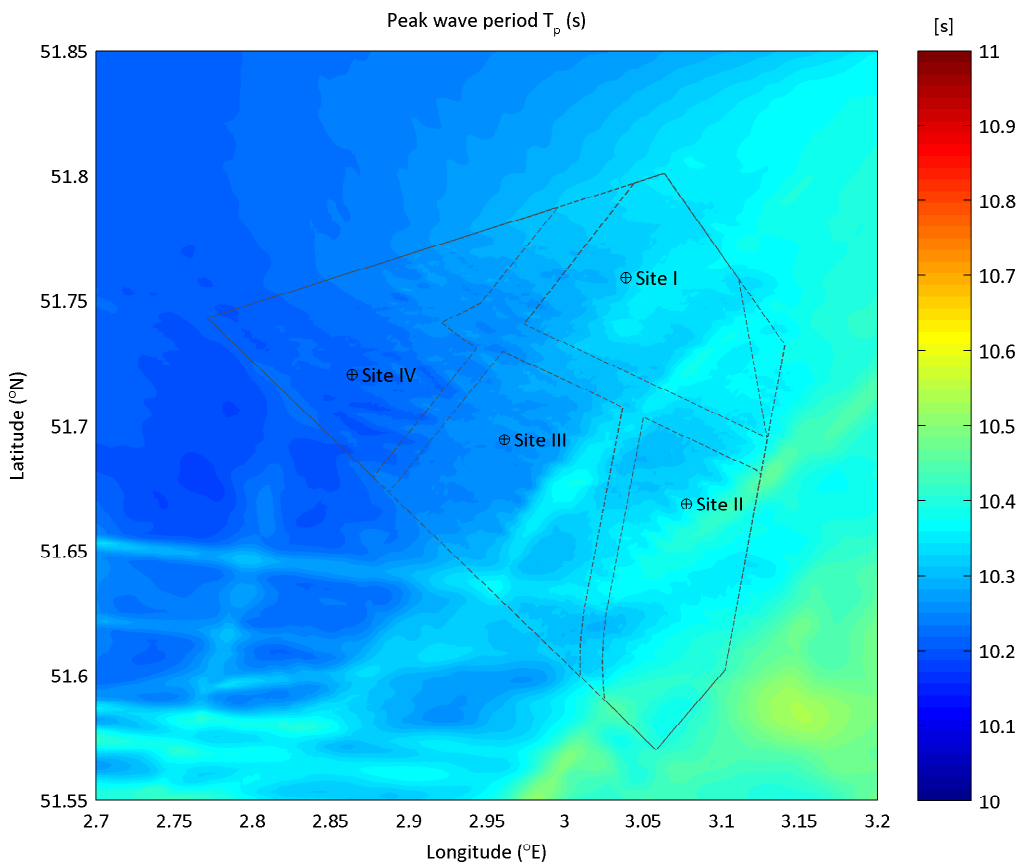
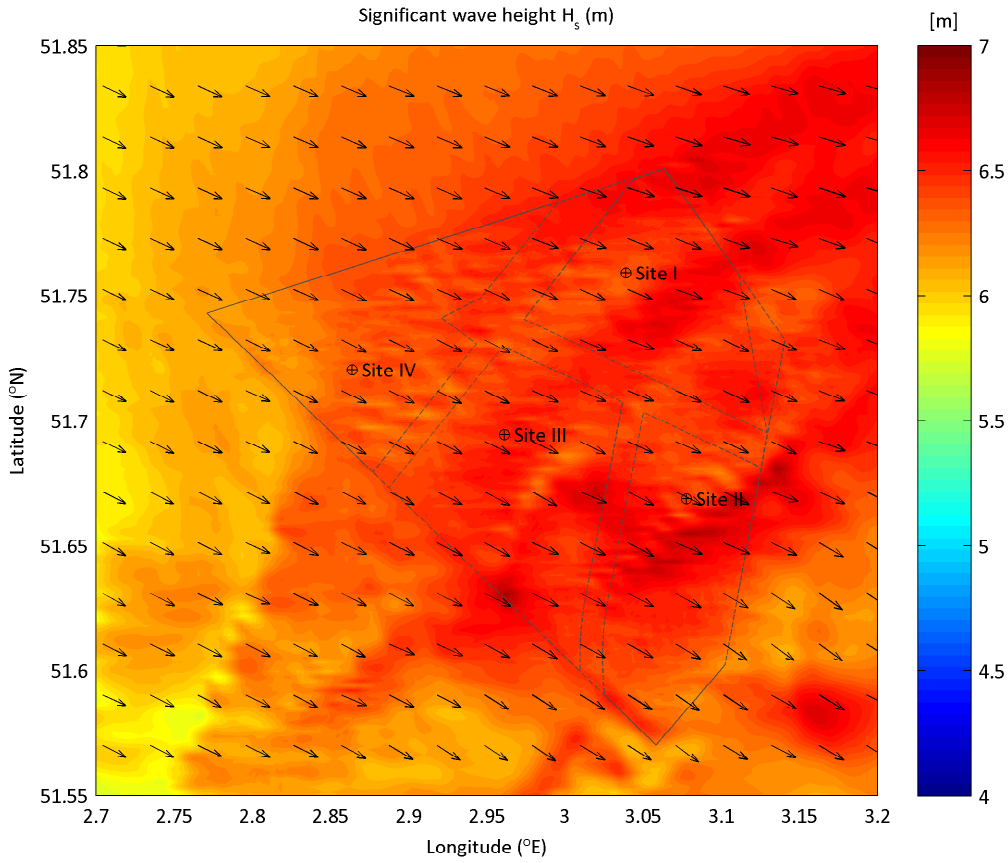
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

maximum still water level

Deltares

App. B.3.073



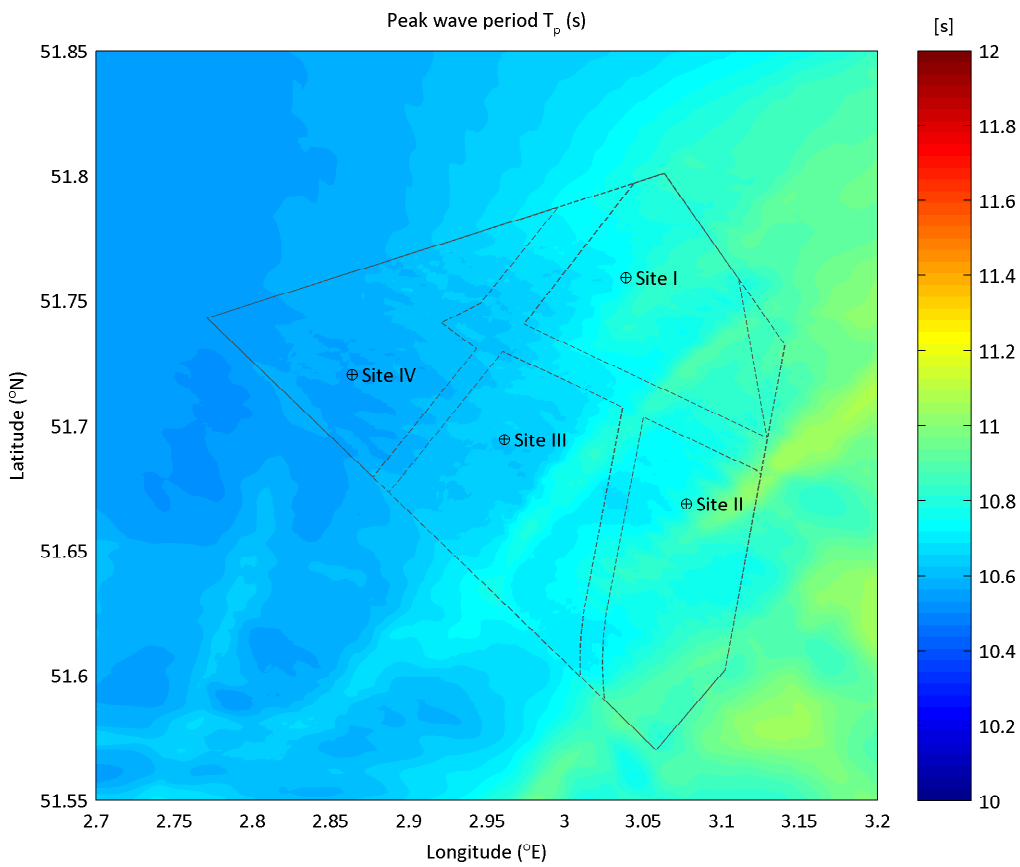
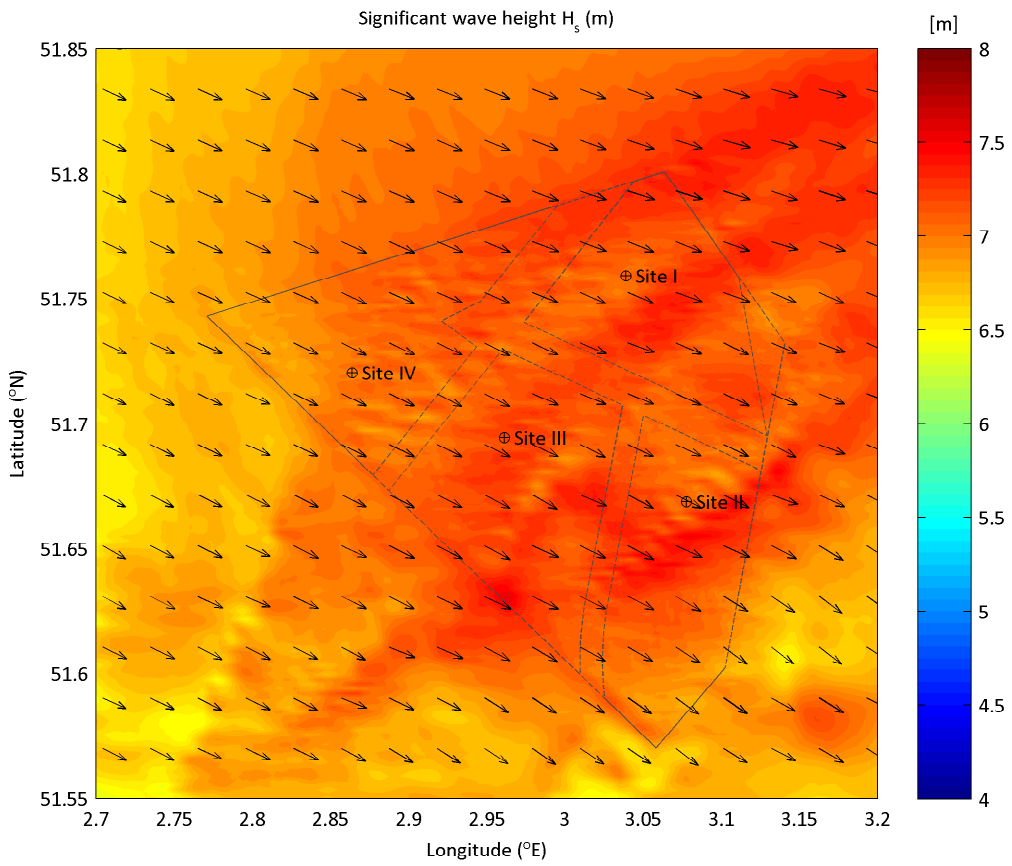
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

maximum still water level

Deltares

App. B.3.074



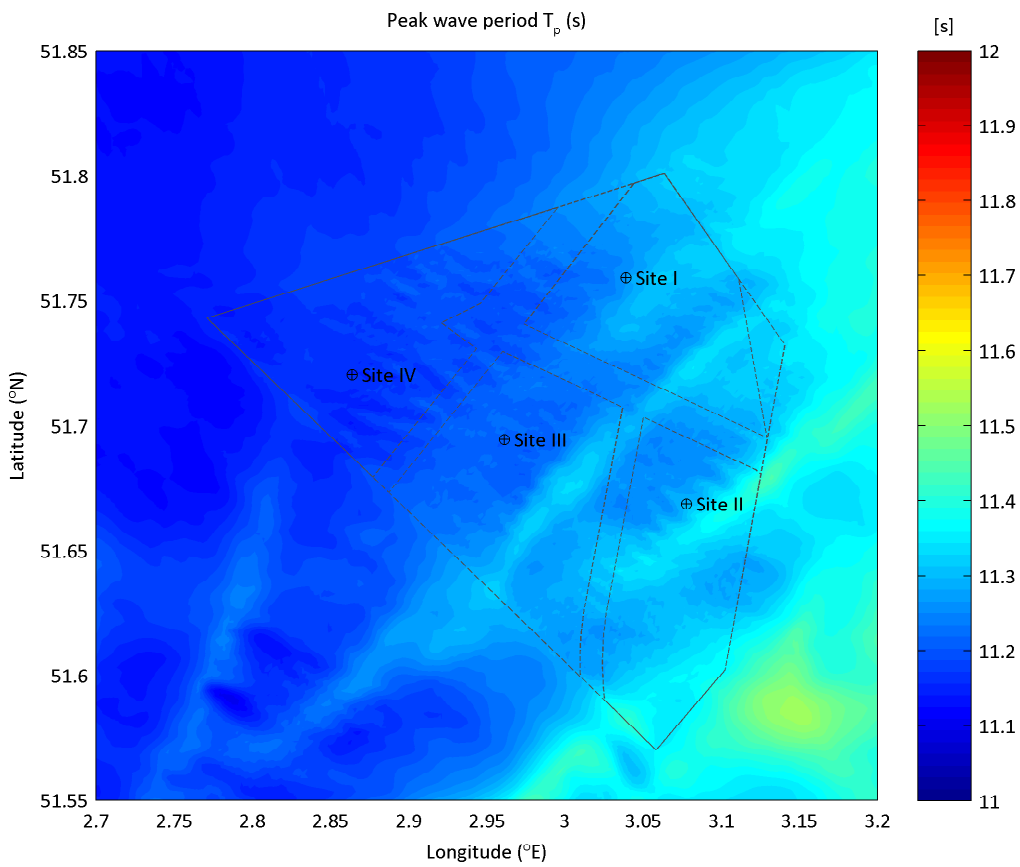
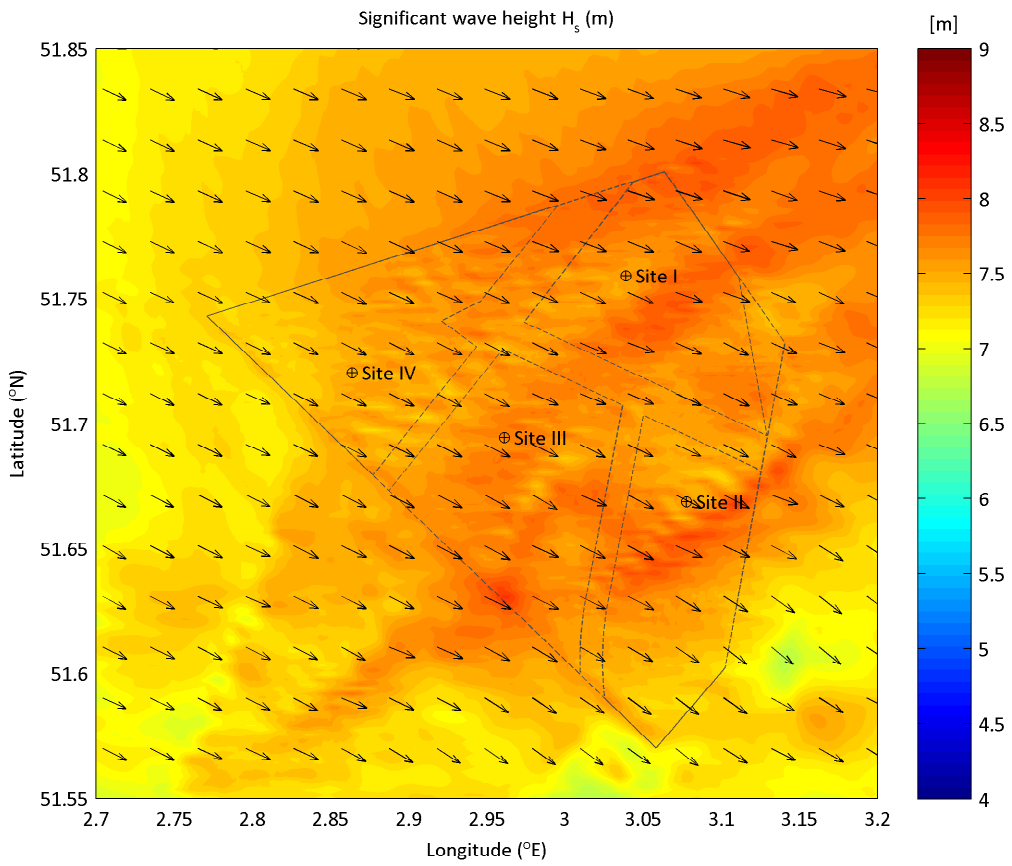
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

maximum still water level

Deltares

App. B.3.075



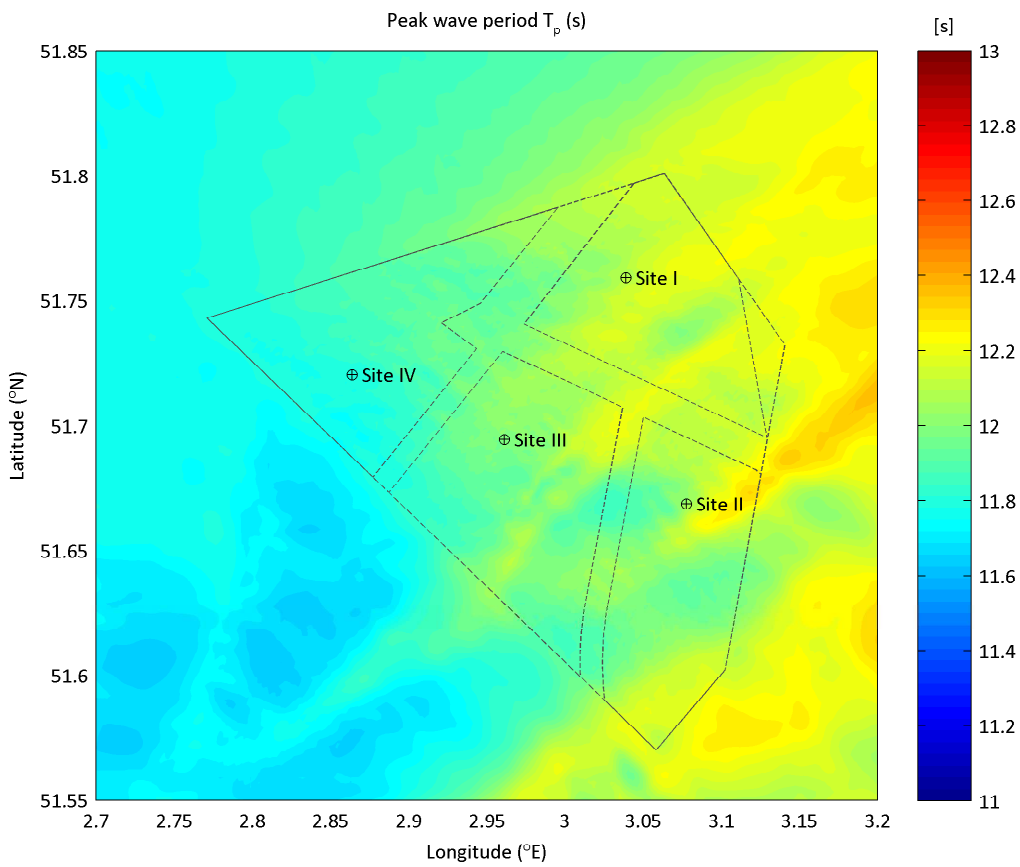
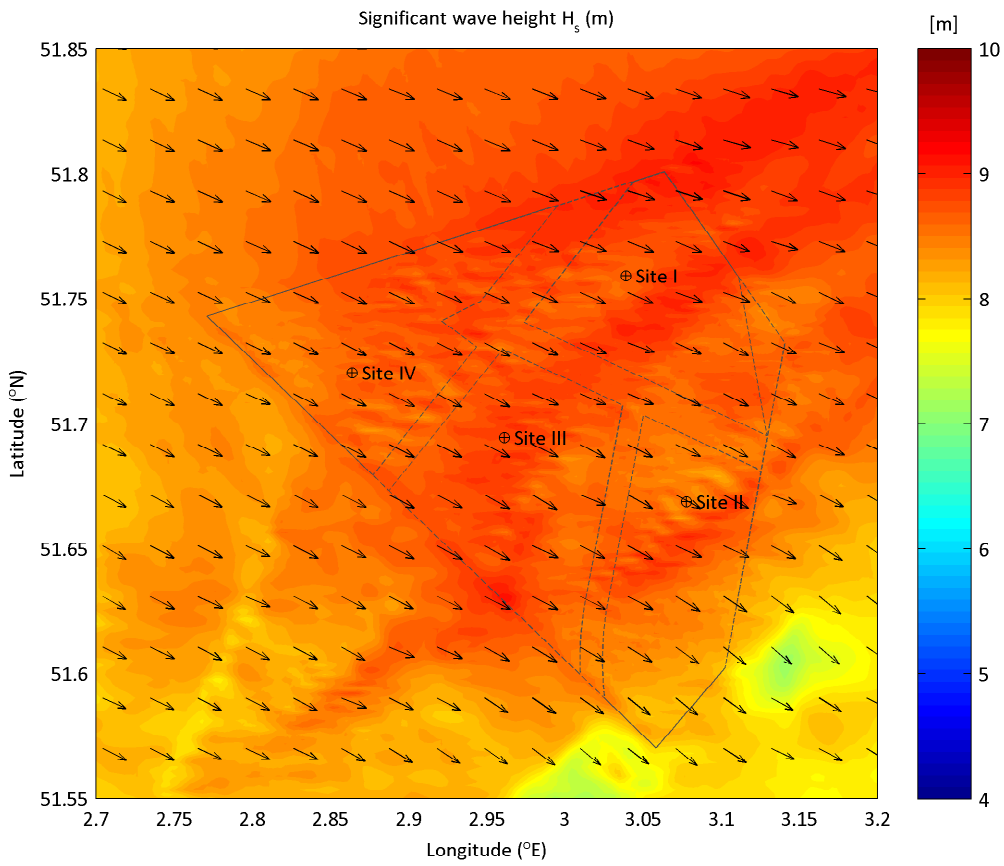
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

maximum still water level

Deltares

App. B.3.076



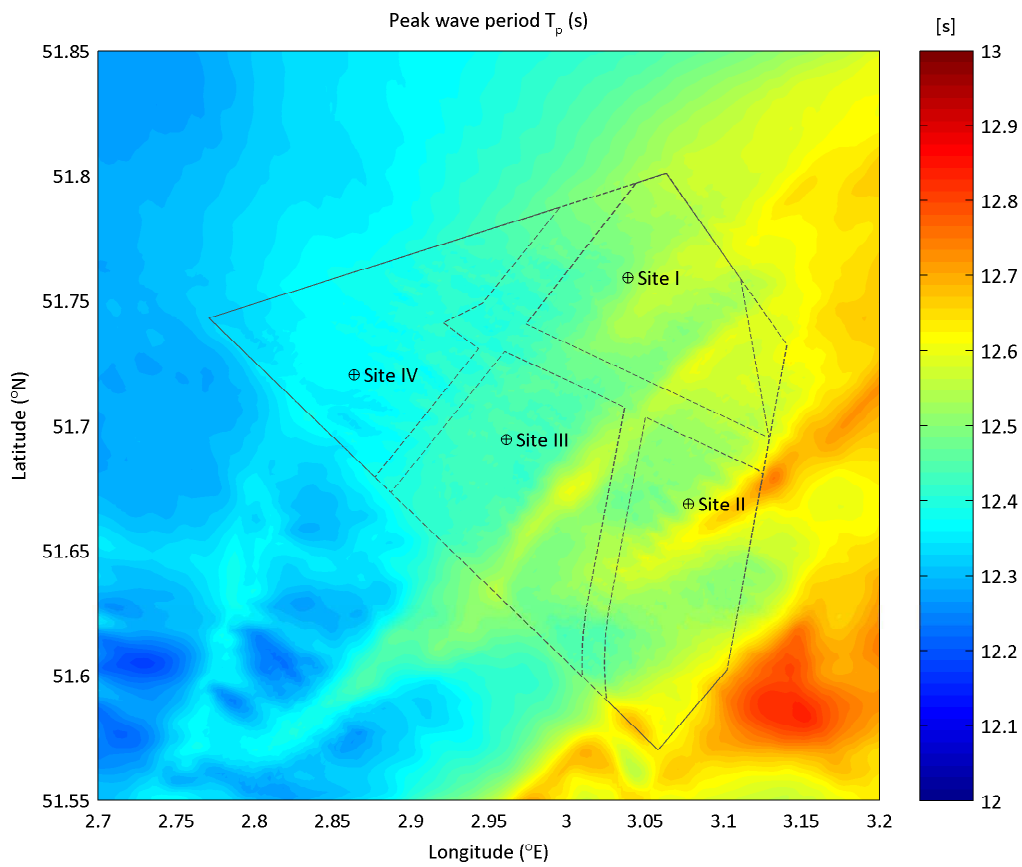
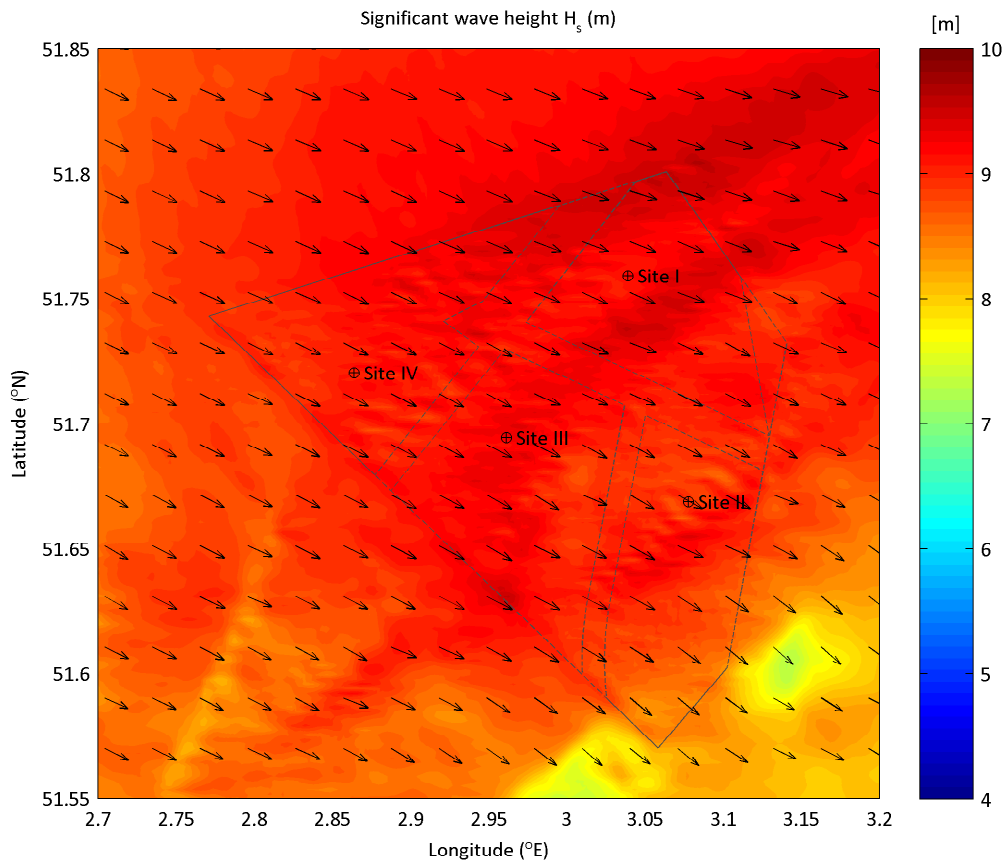
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

maximum still water level

Deltares

App. B.3.077



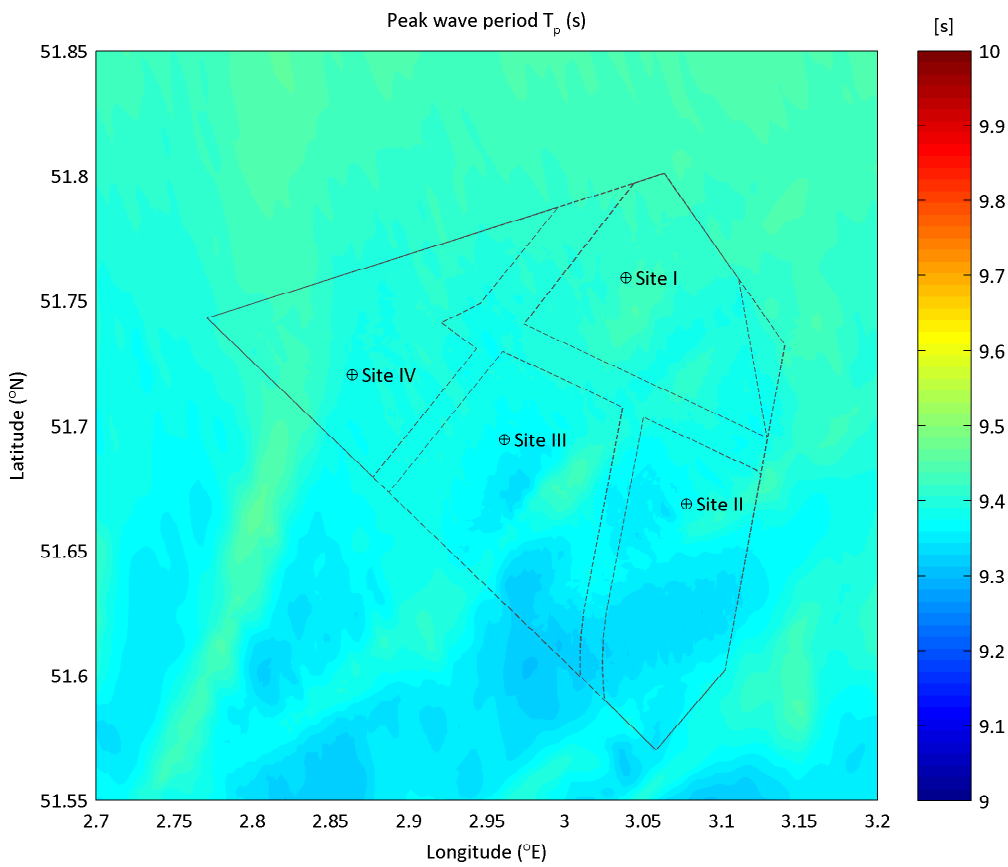
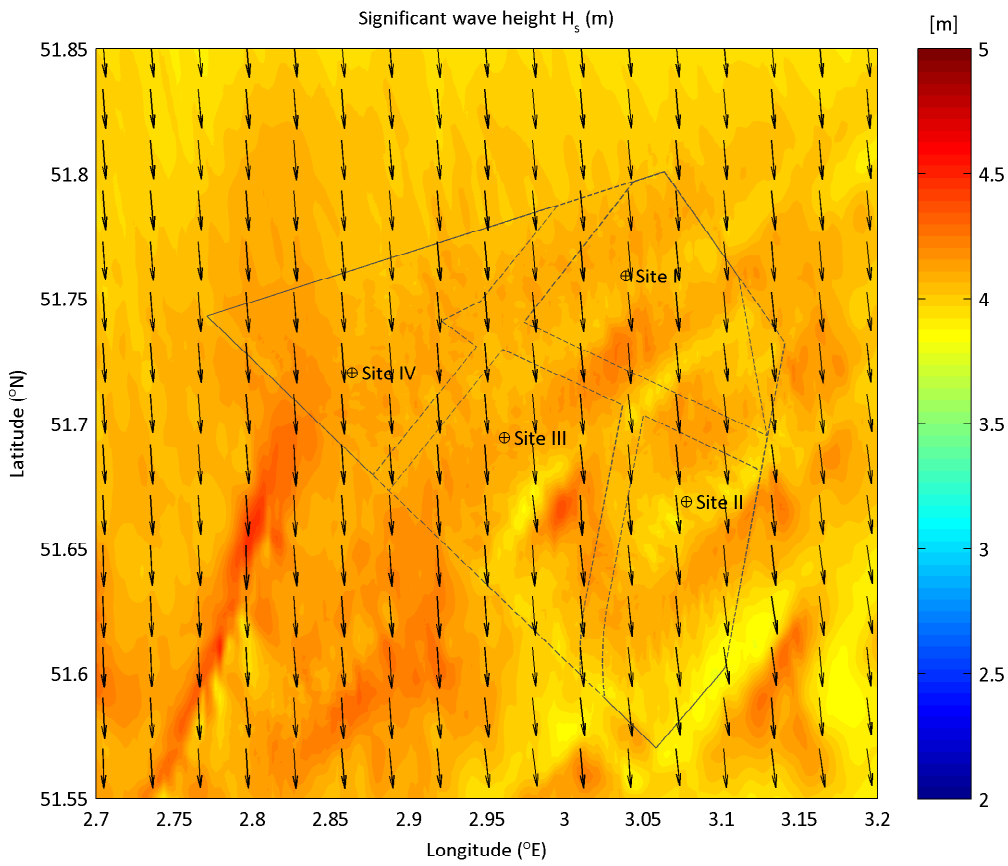
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

maximum still water level

Deltares

App. B.3.078



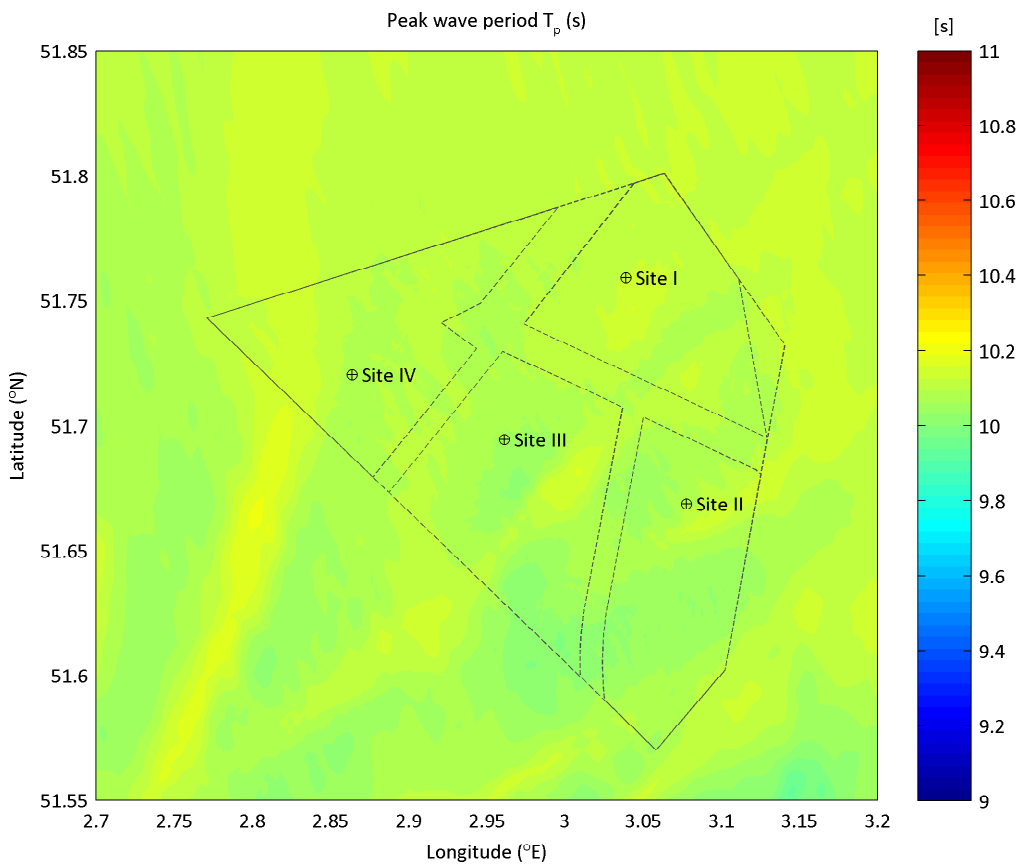
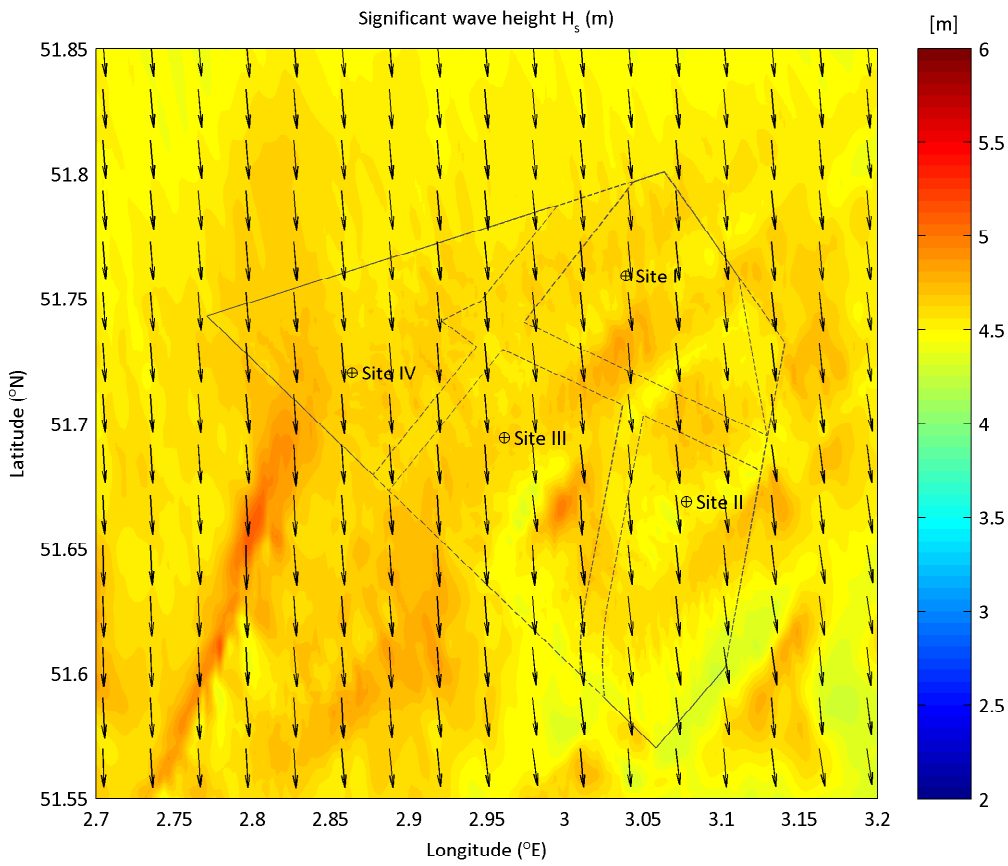
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.001



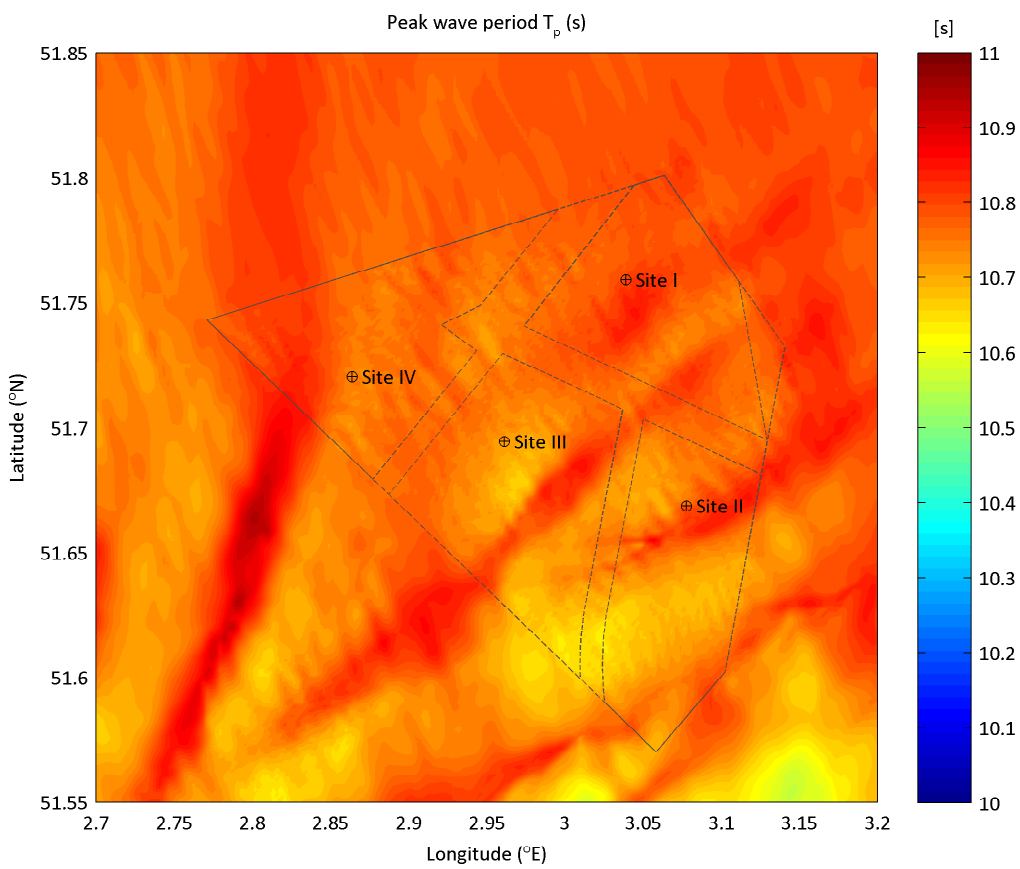
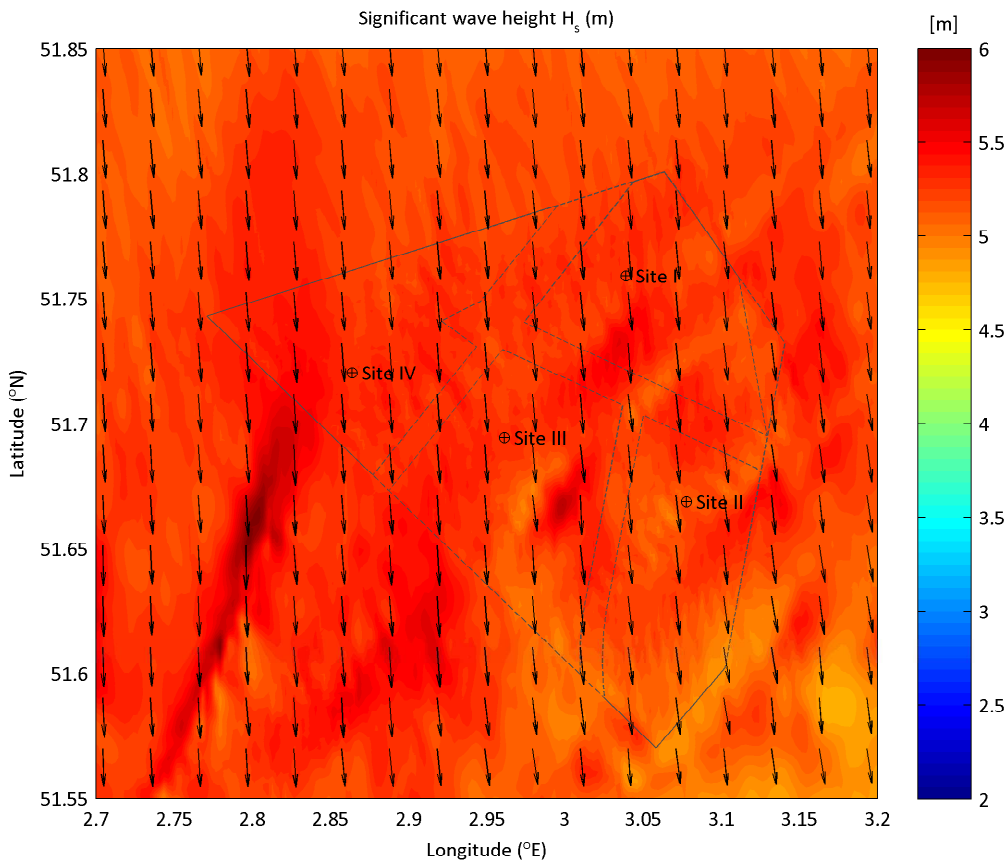
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.002



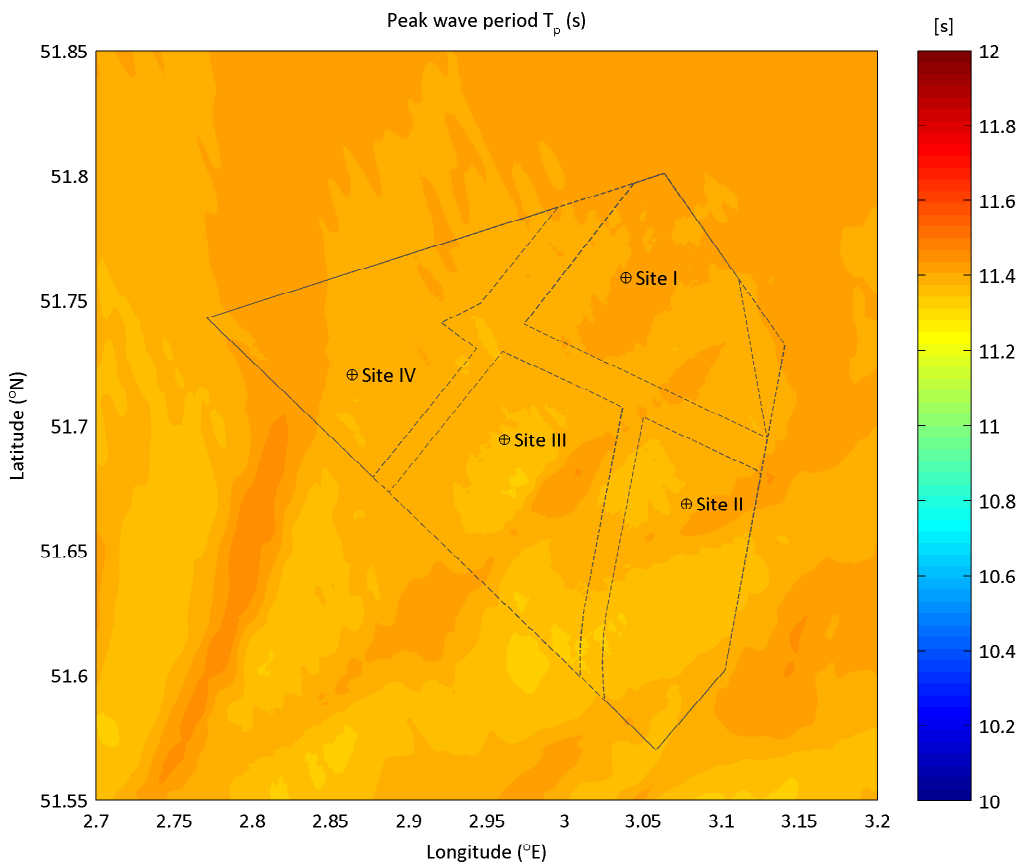
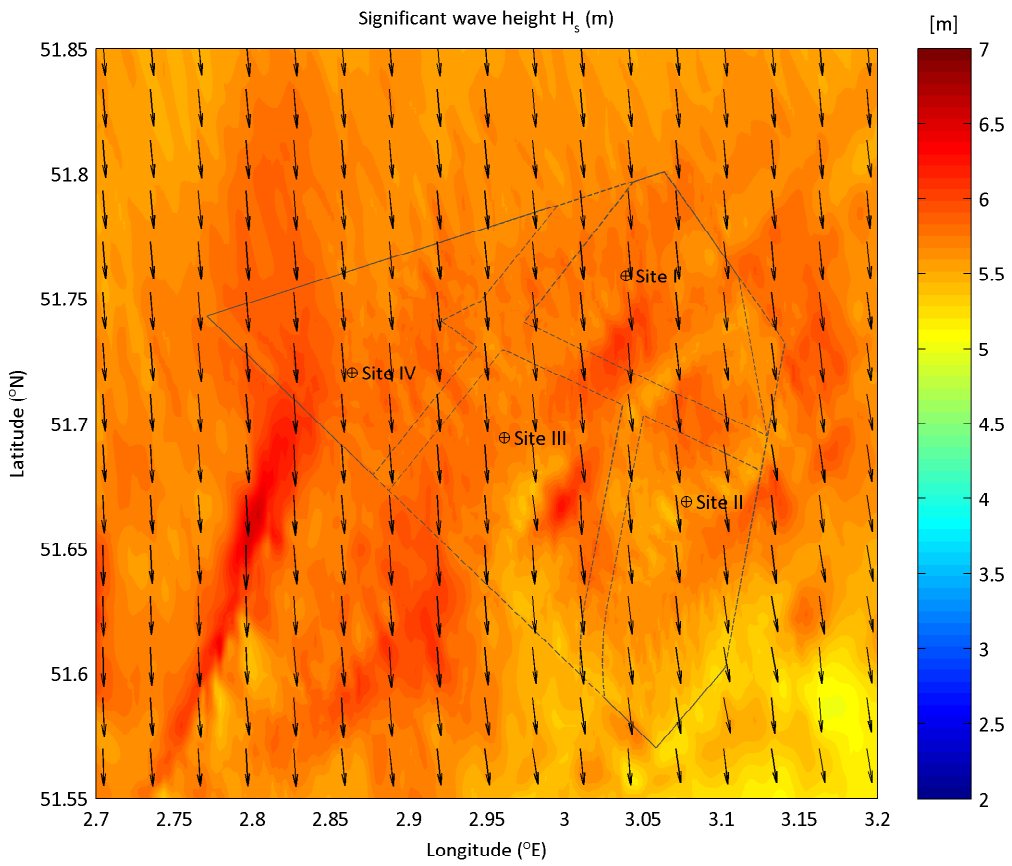
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.003



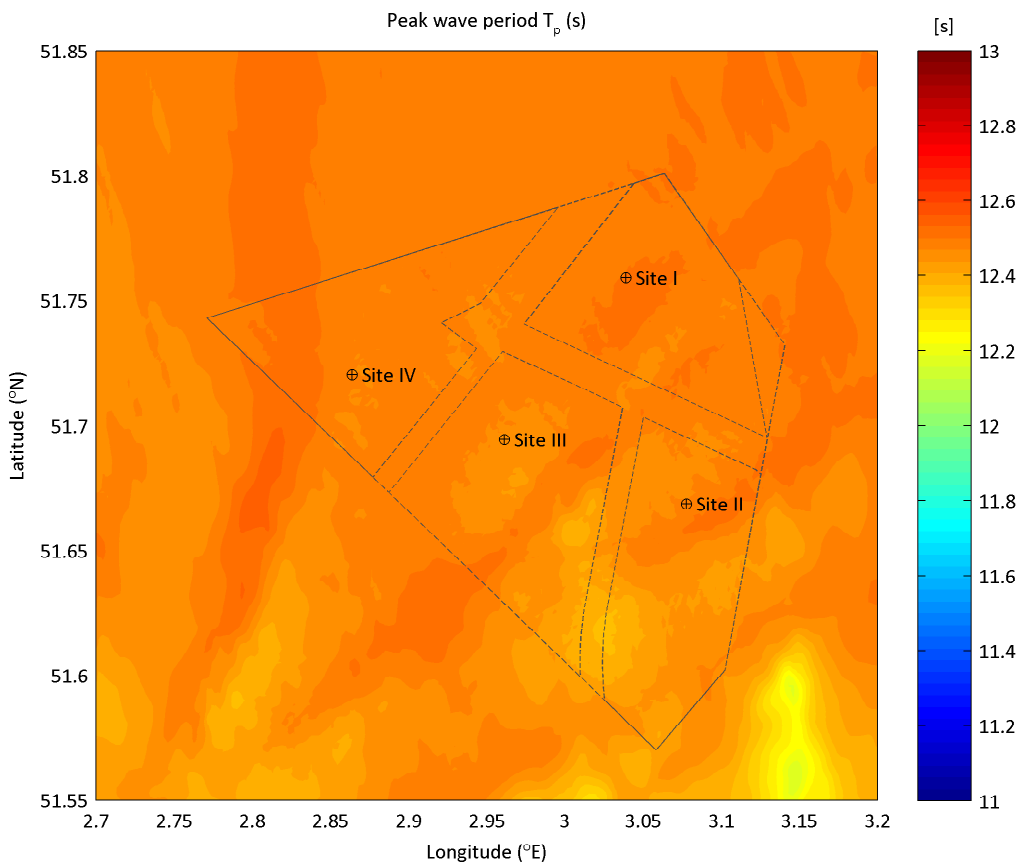
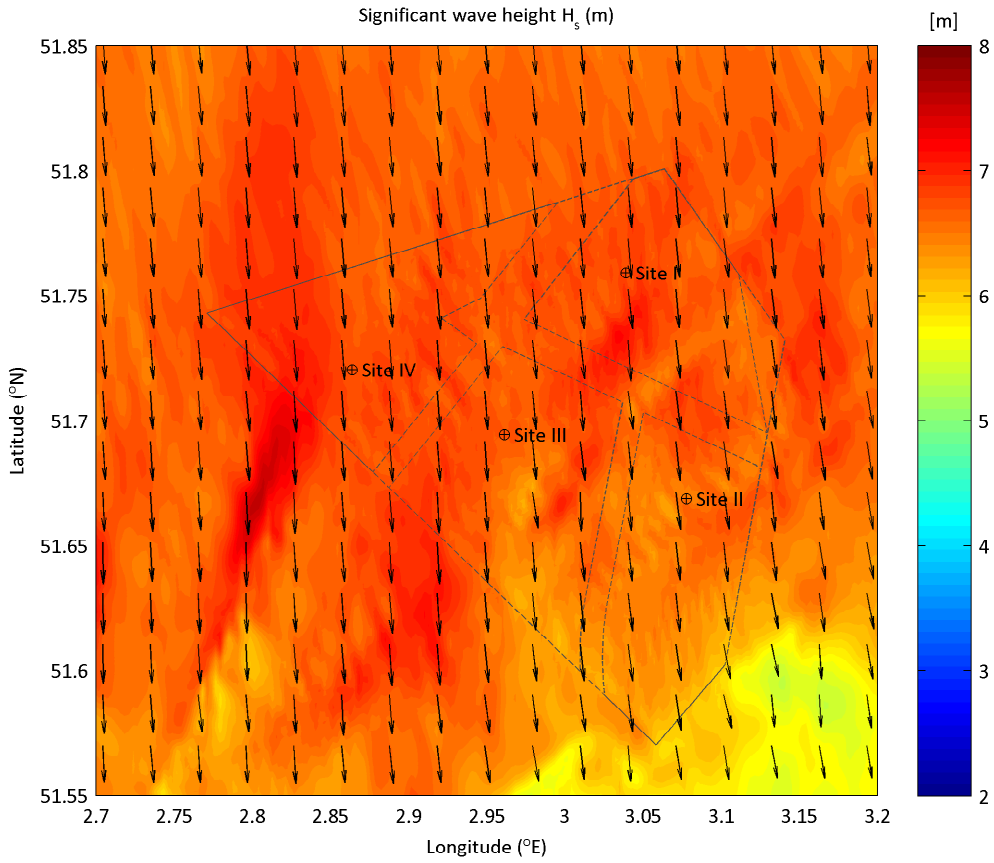
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.004



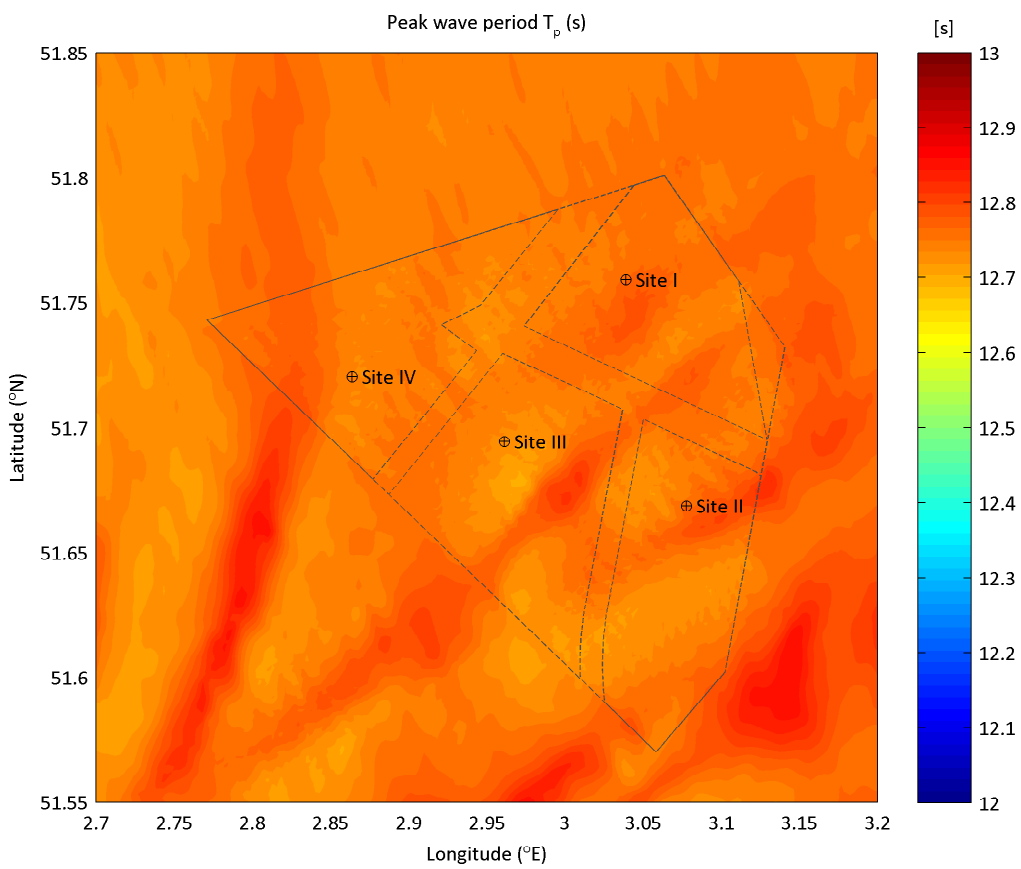
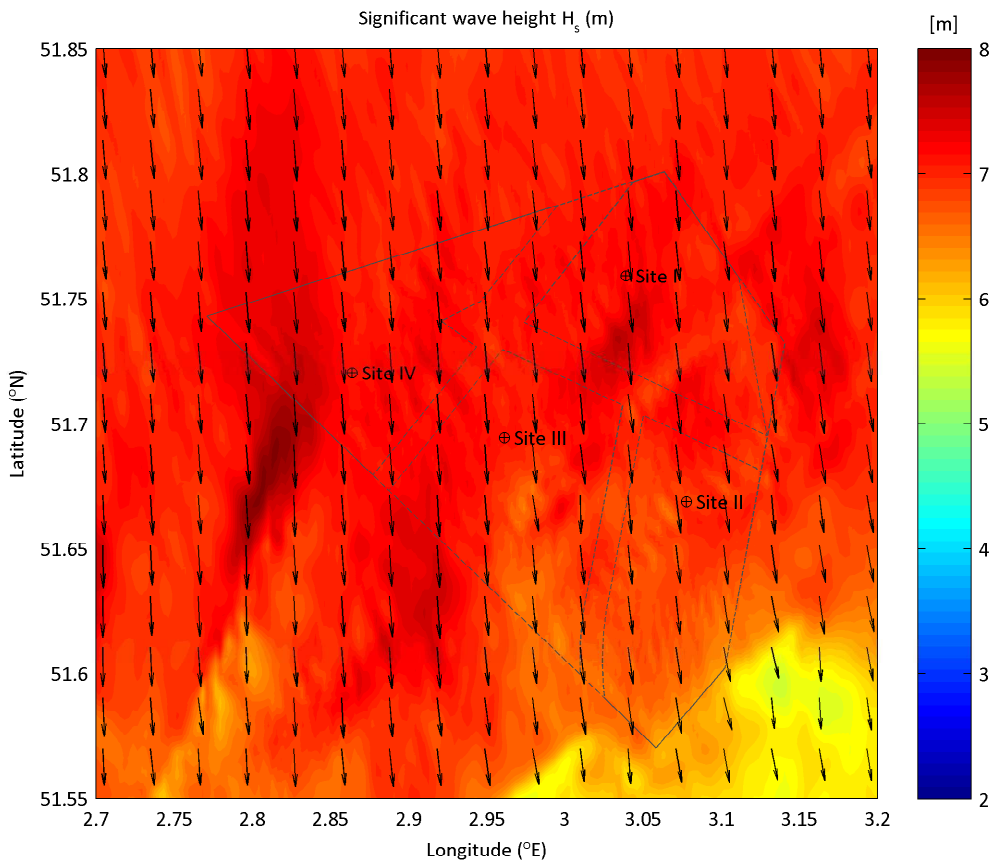
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.005



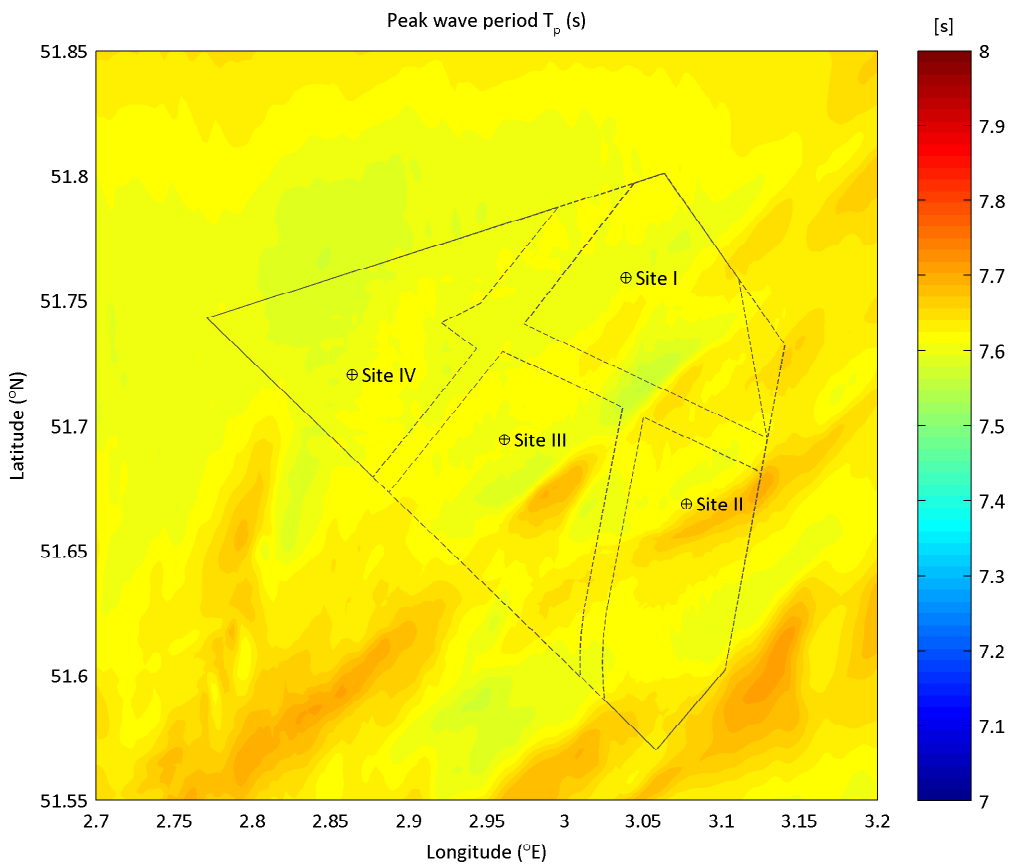
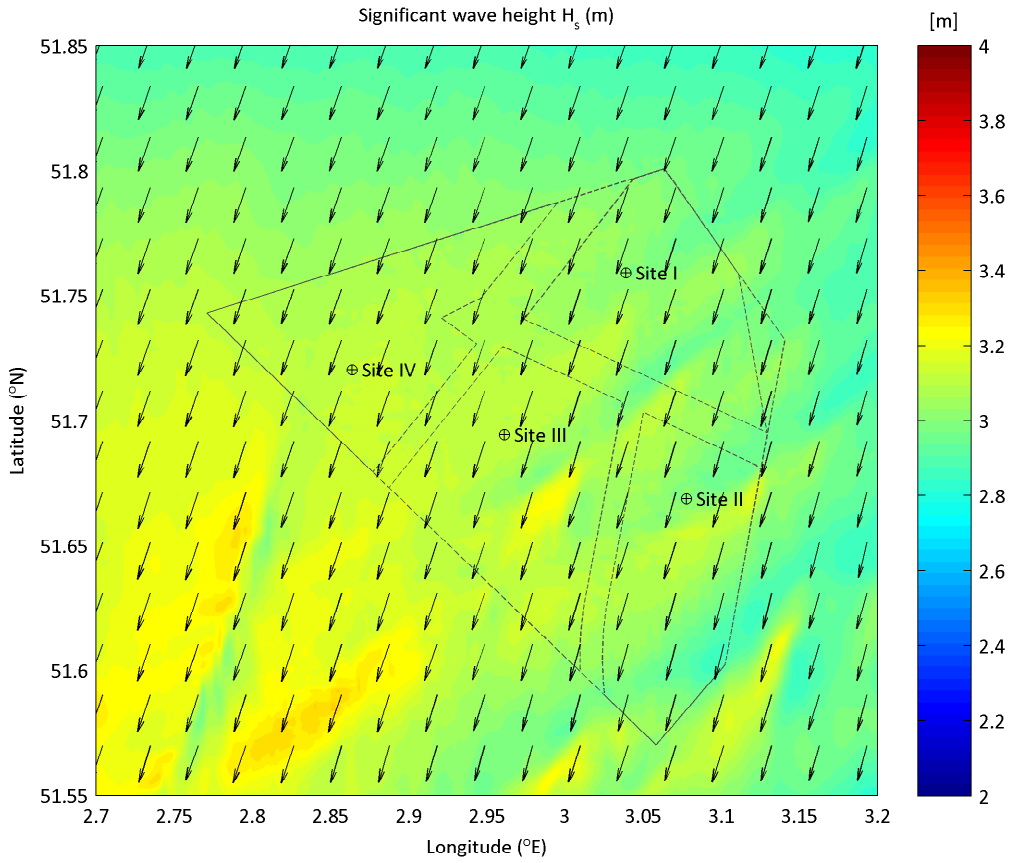
Extreme wave condition from Sector345 ($^{\circ}$ N) - 15 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.006



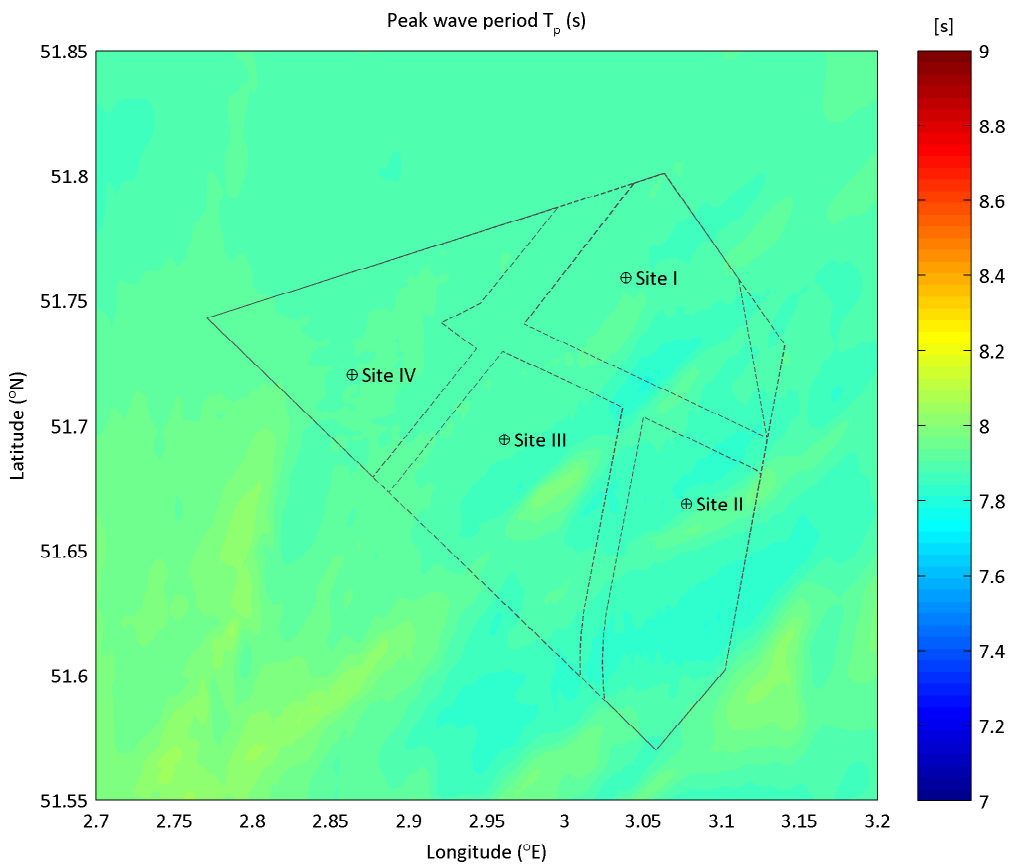
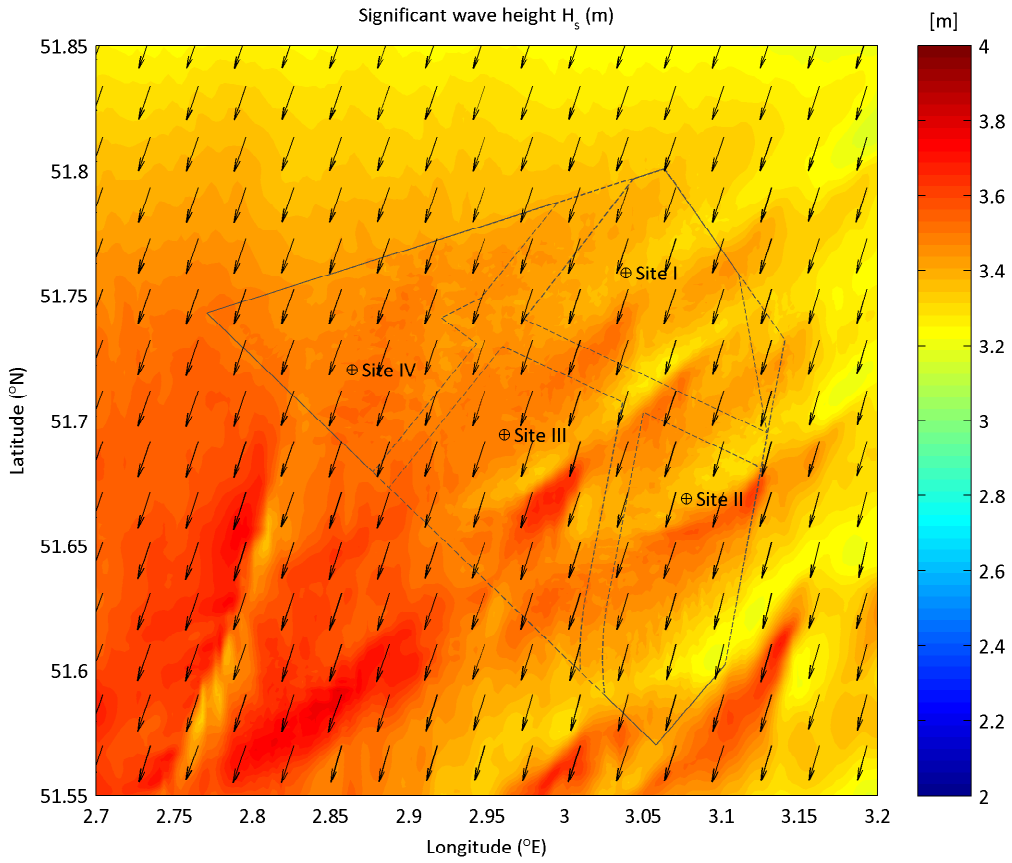
Extreme wave condition from Sector15 (°N) - 45 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.007



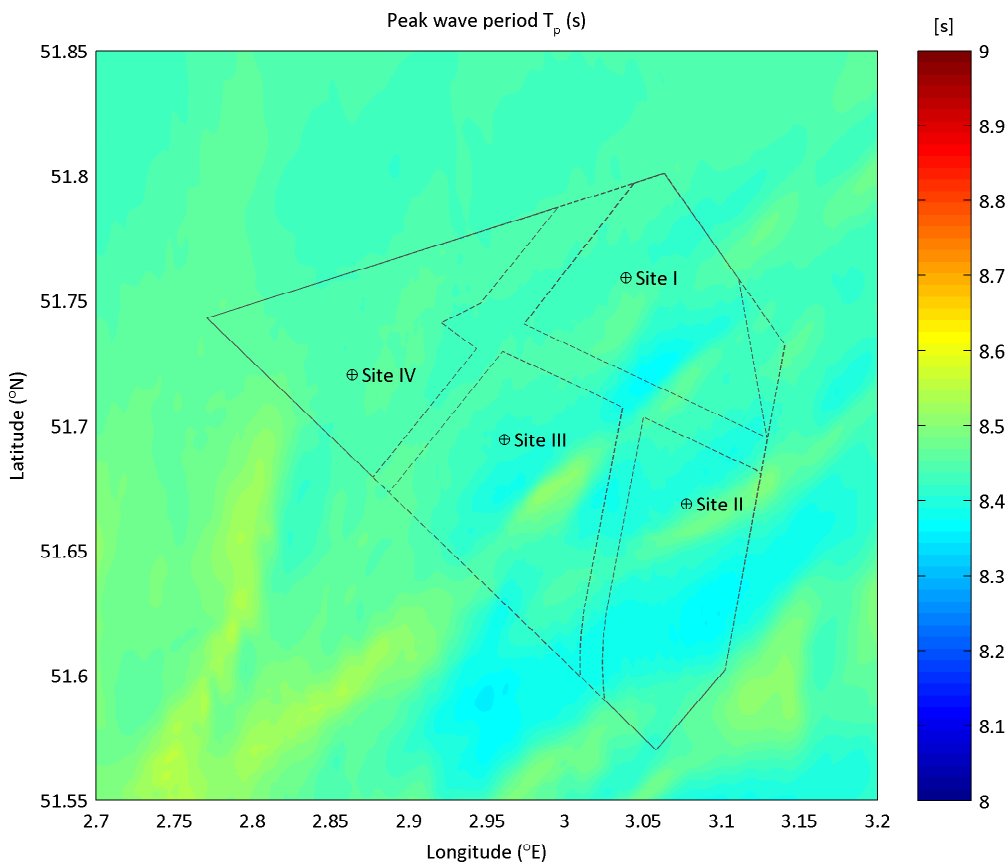
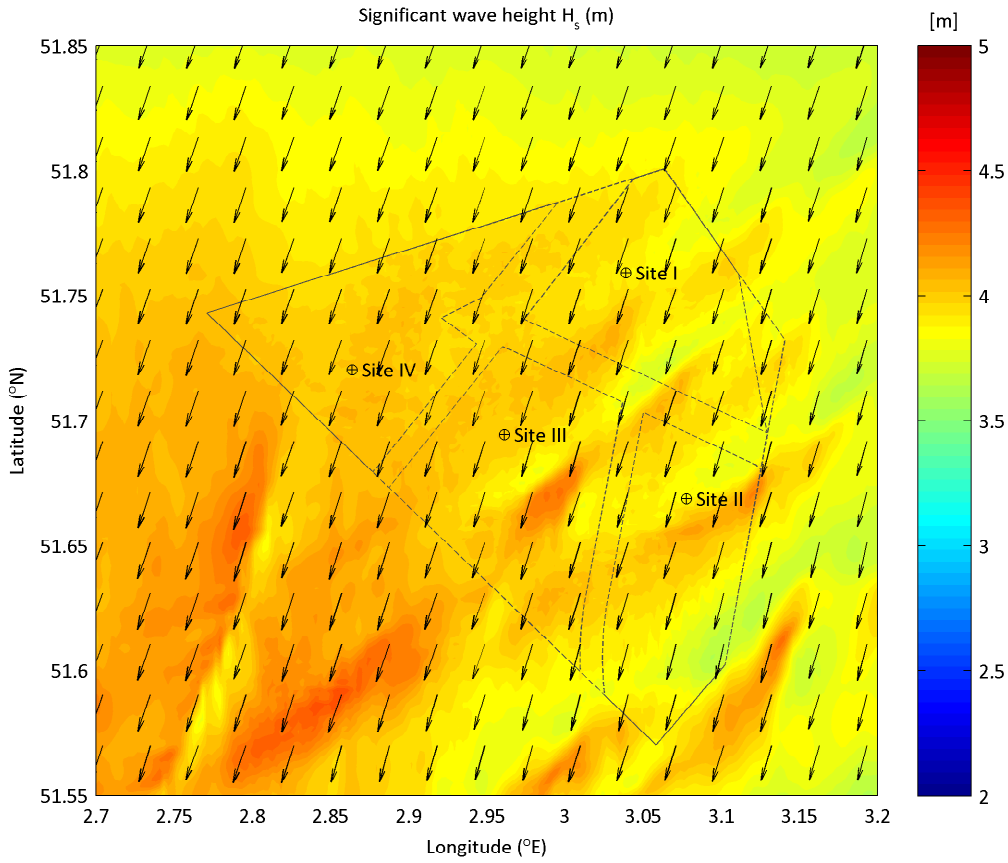
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.008



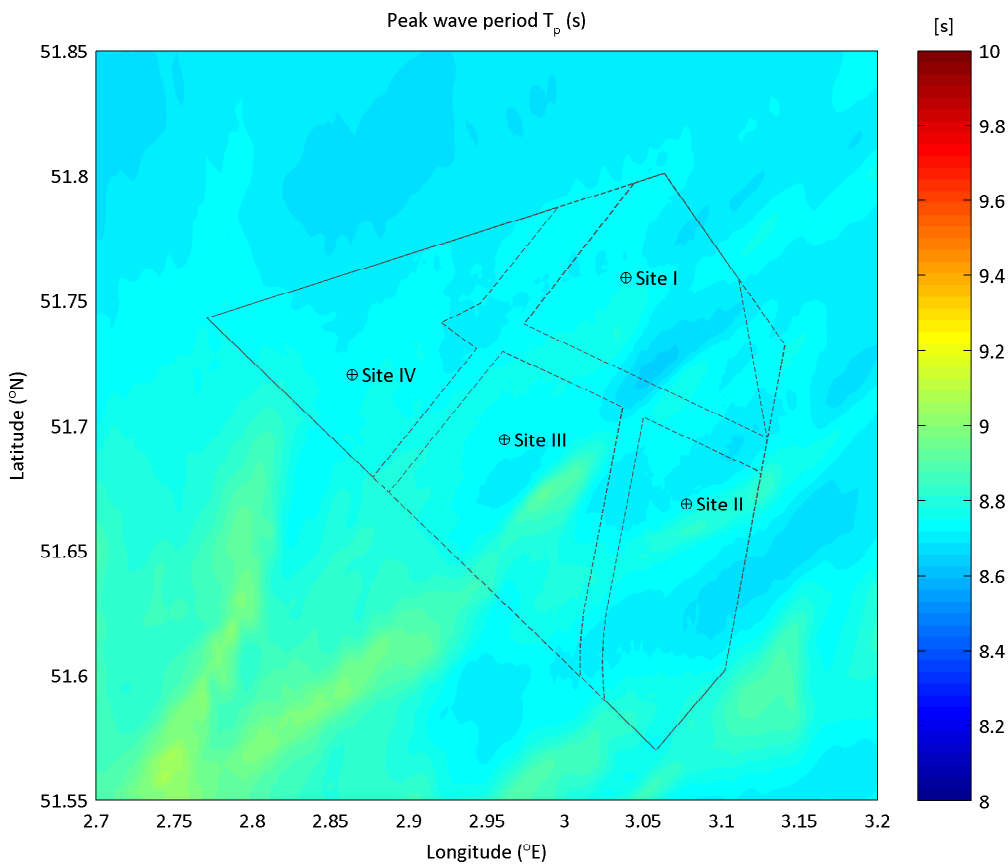
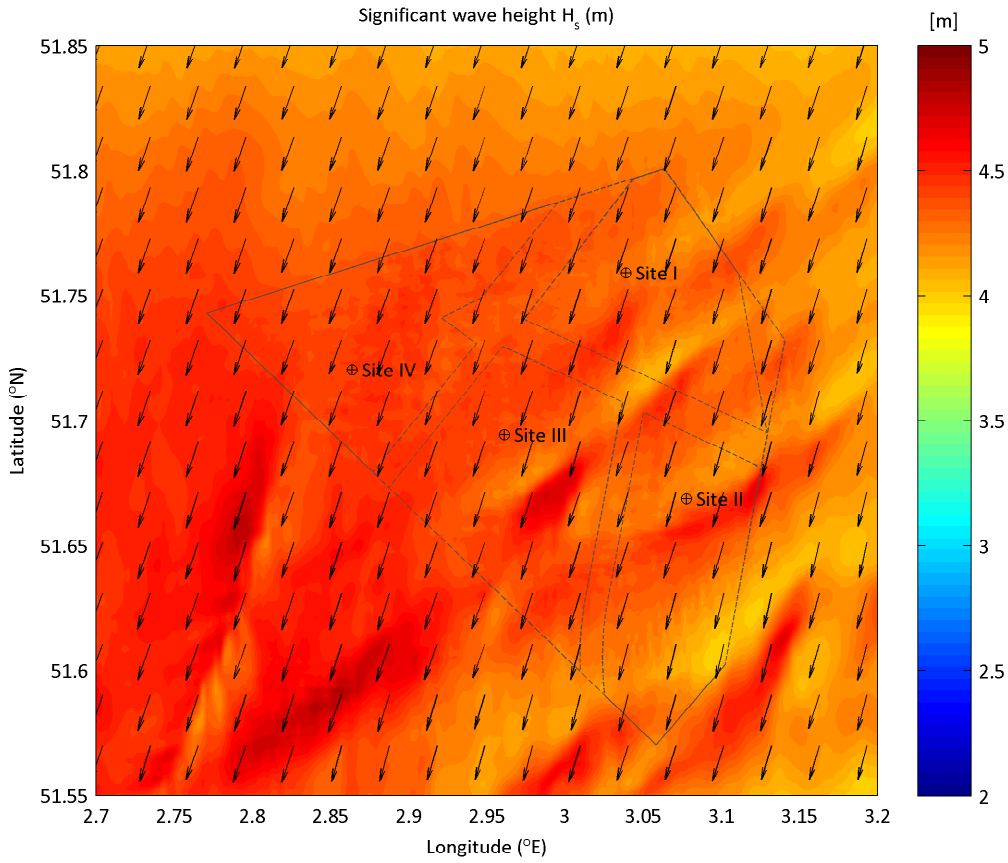
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.009



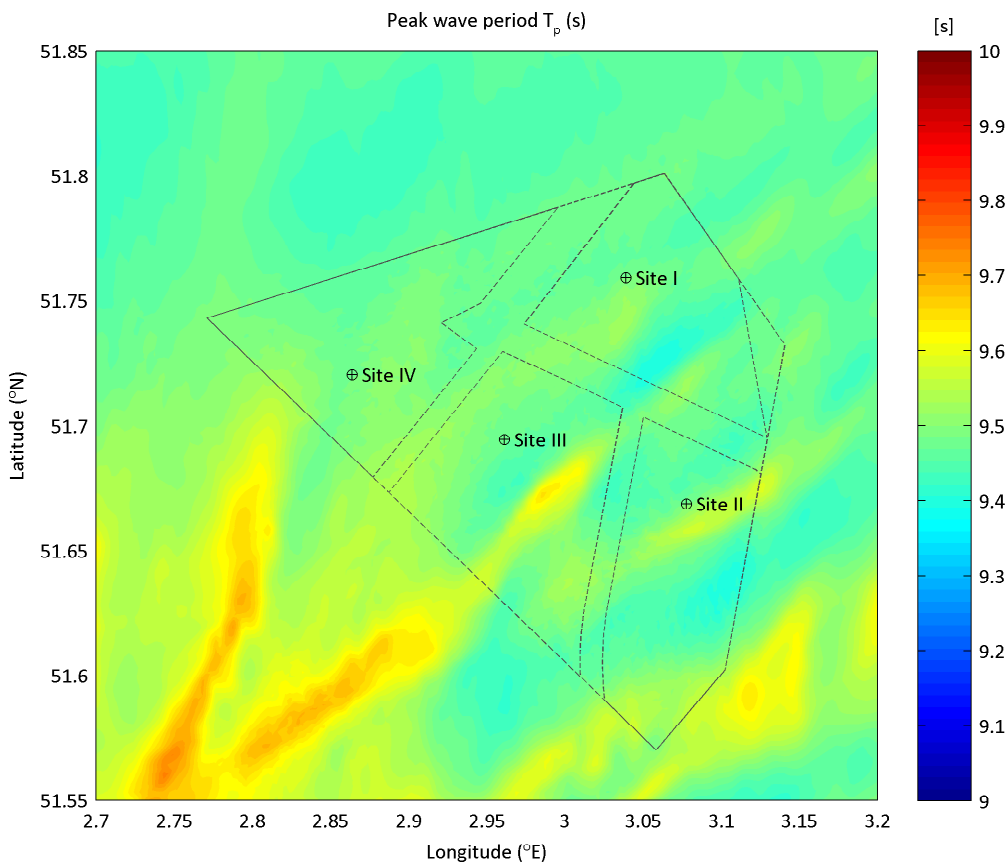
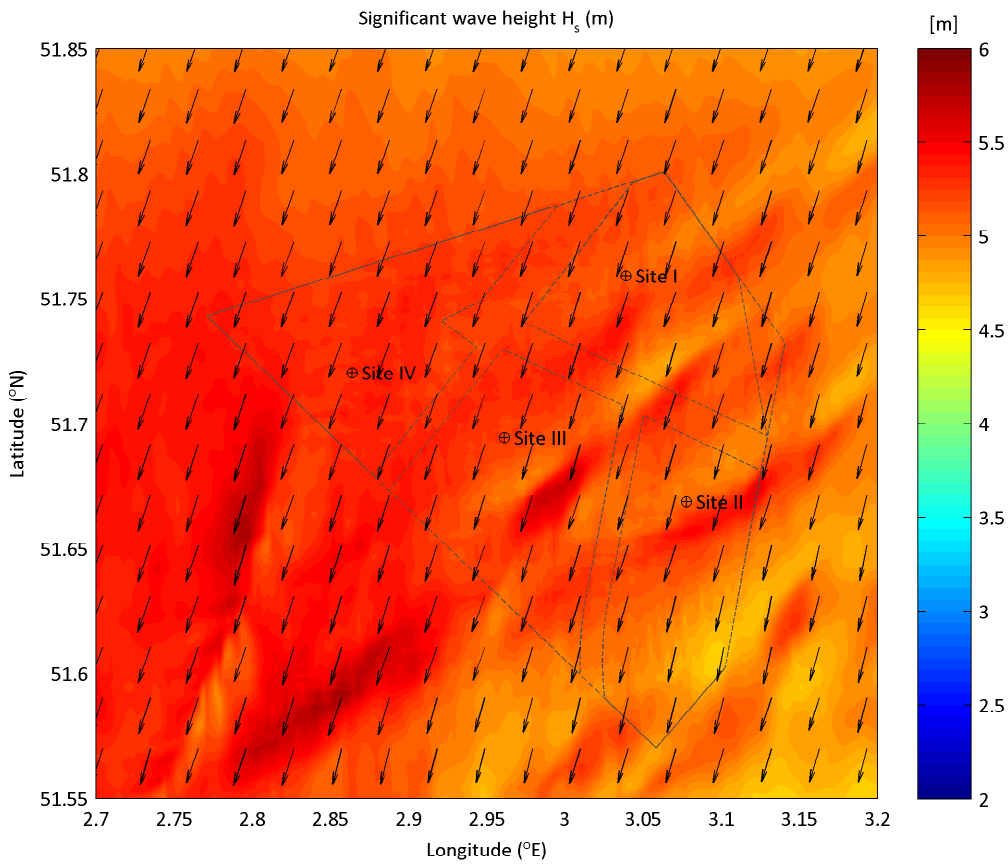
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.010



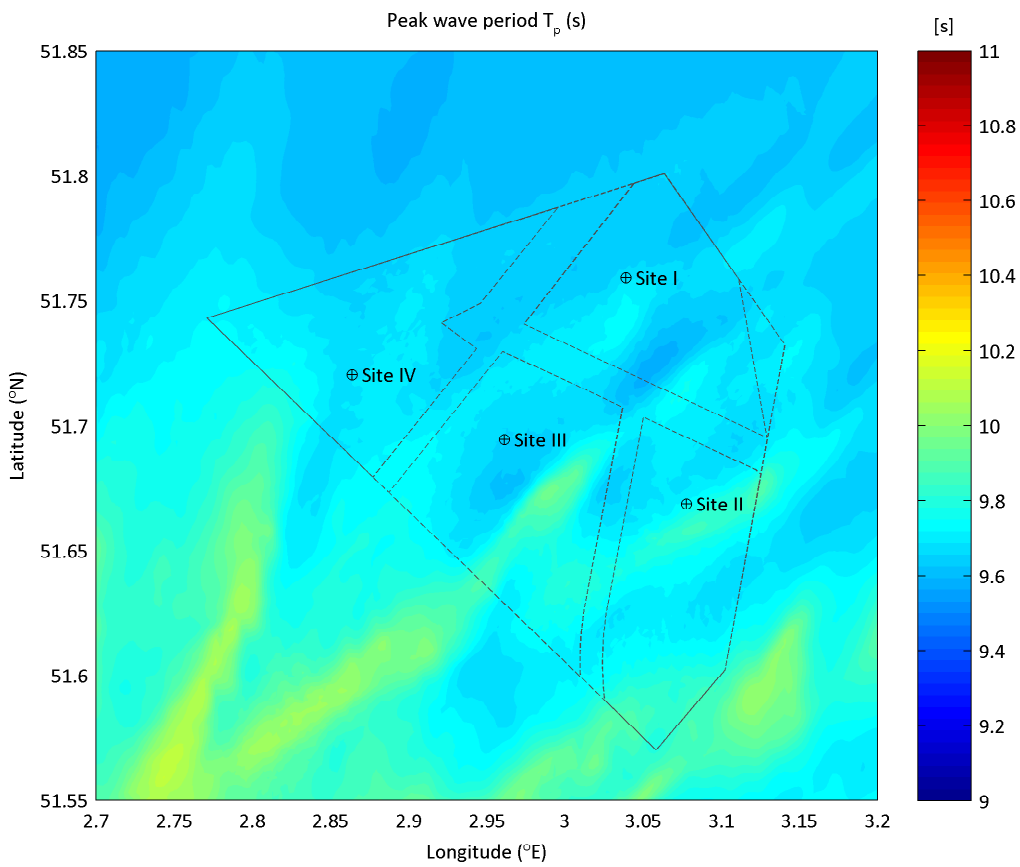
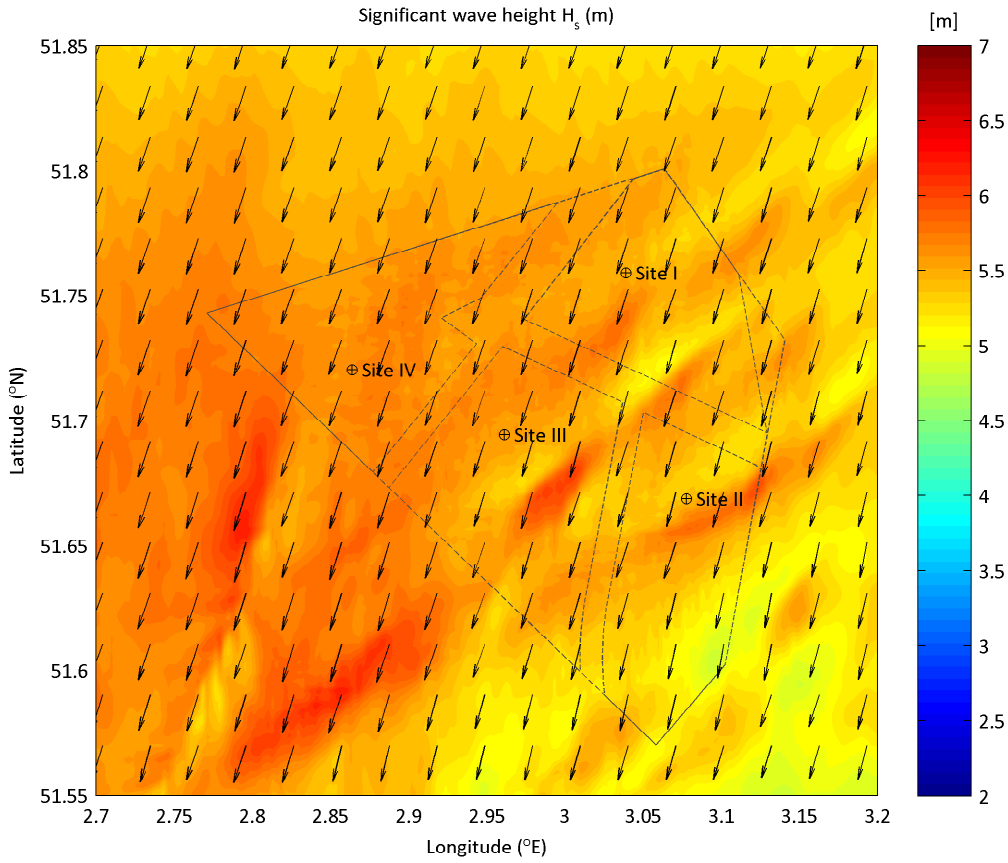
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.011



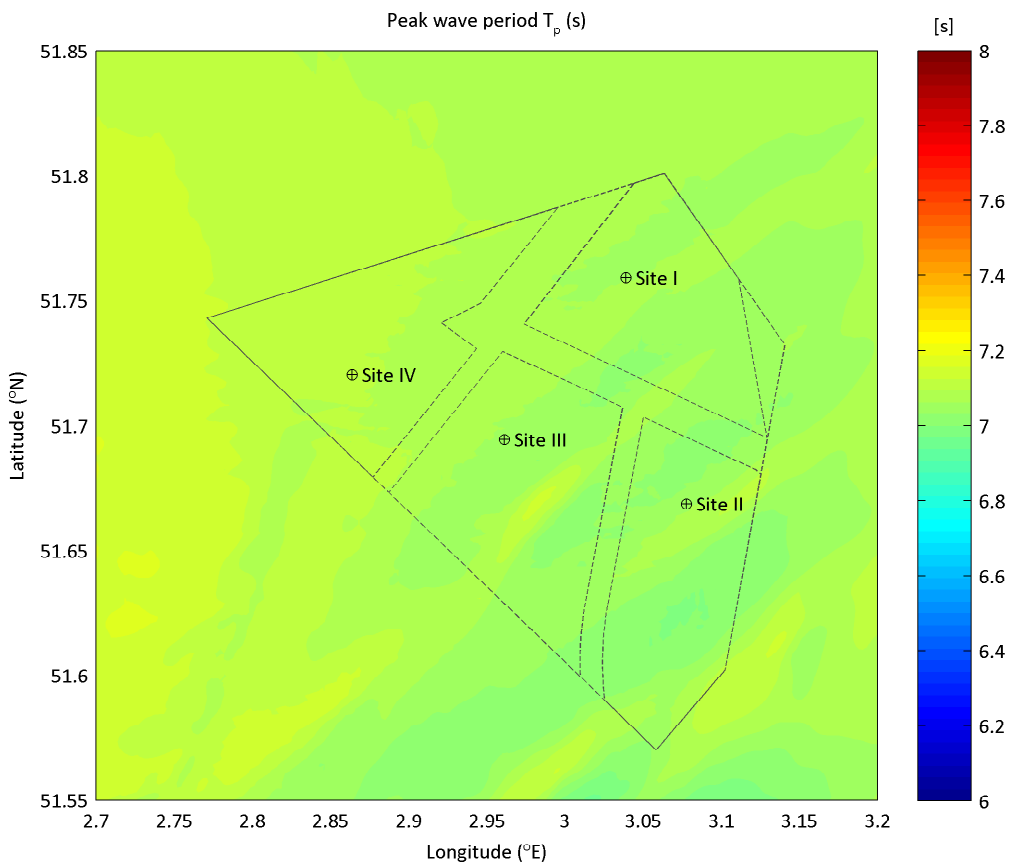
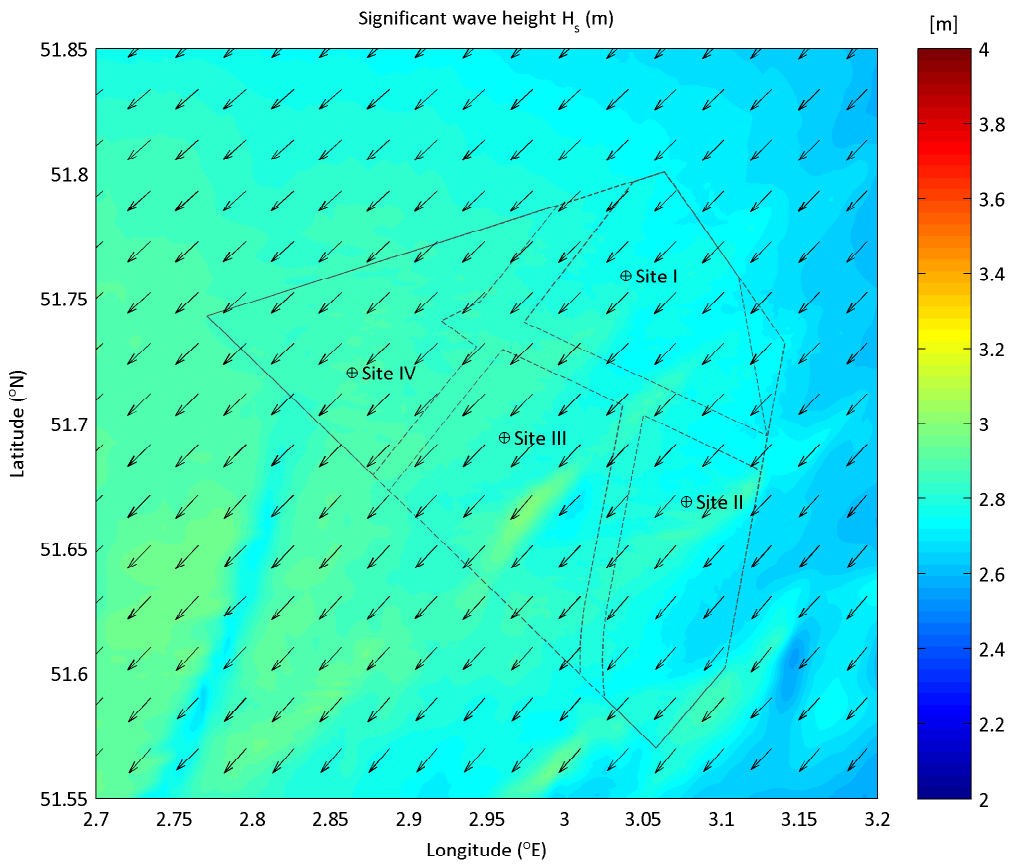
Extreme wave condition from Sector15 ($^{\circ}$ N) - 45 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.012



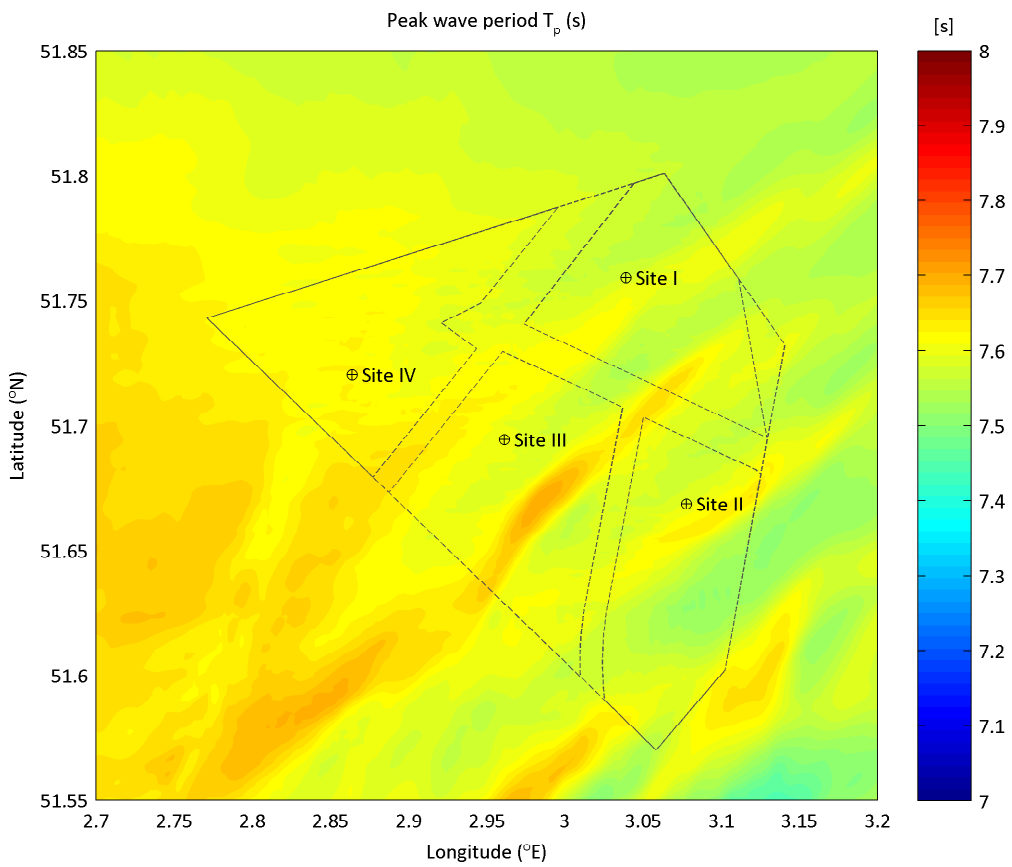
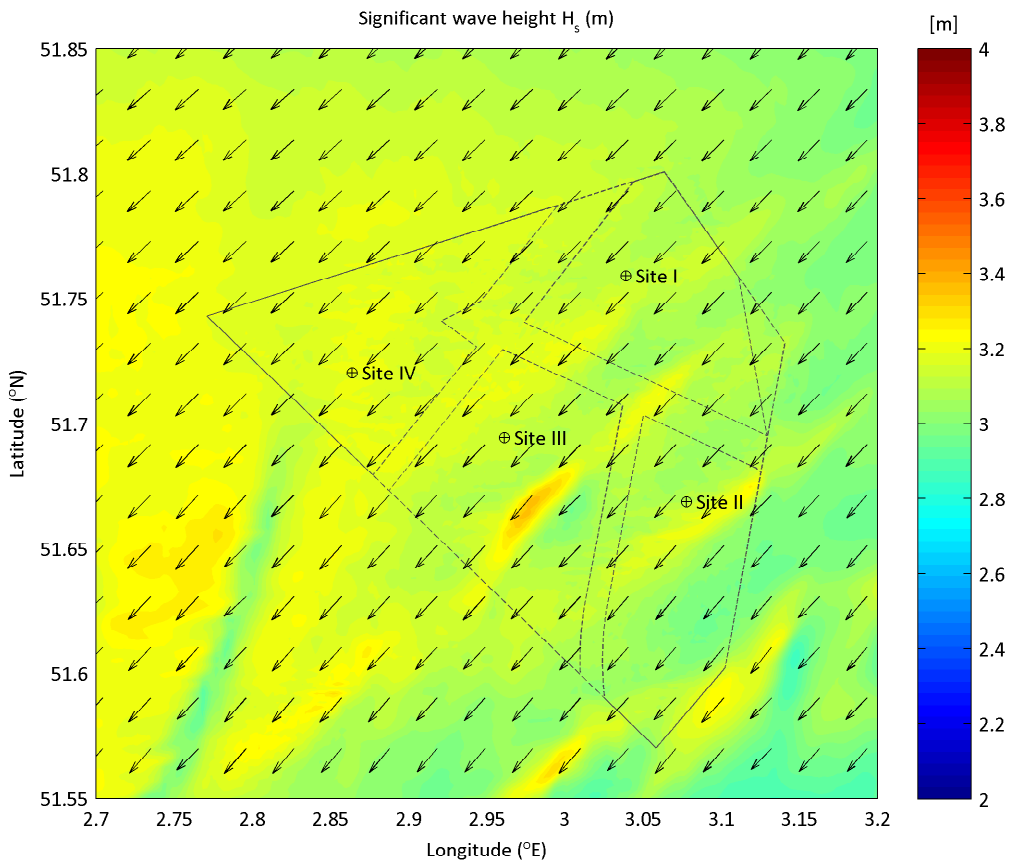
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ E)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.013



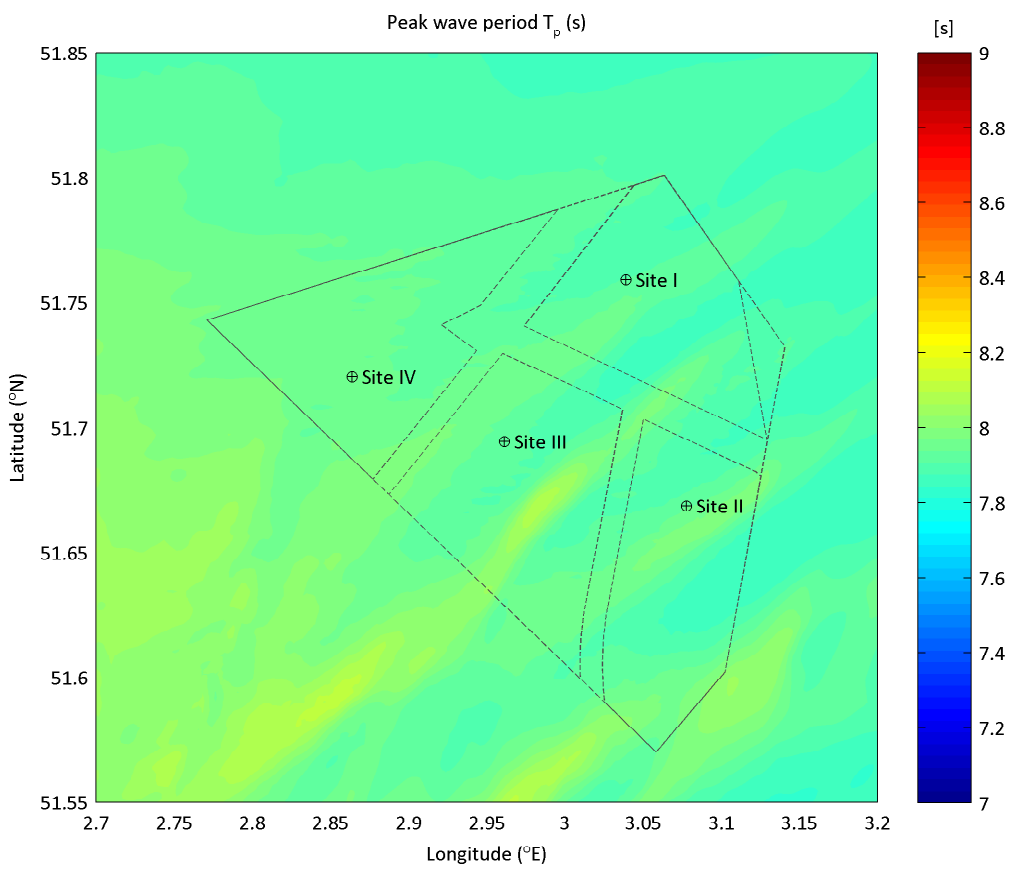
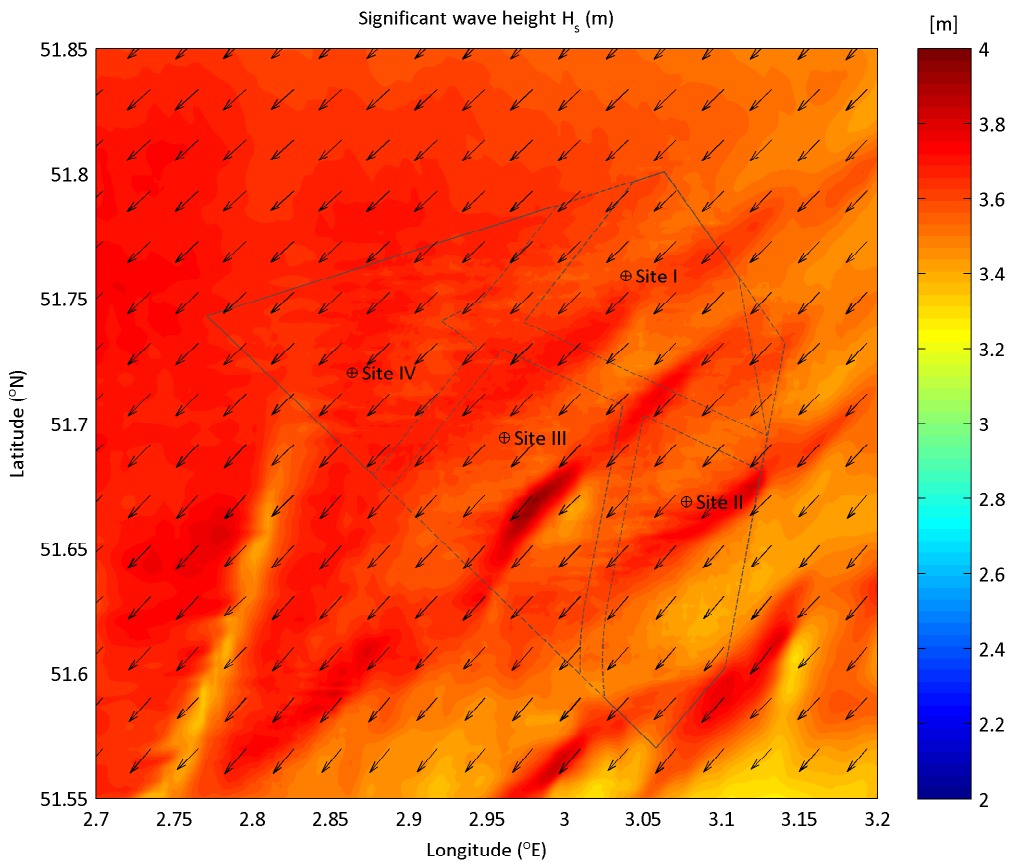
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ E)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.014



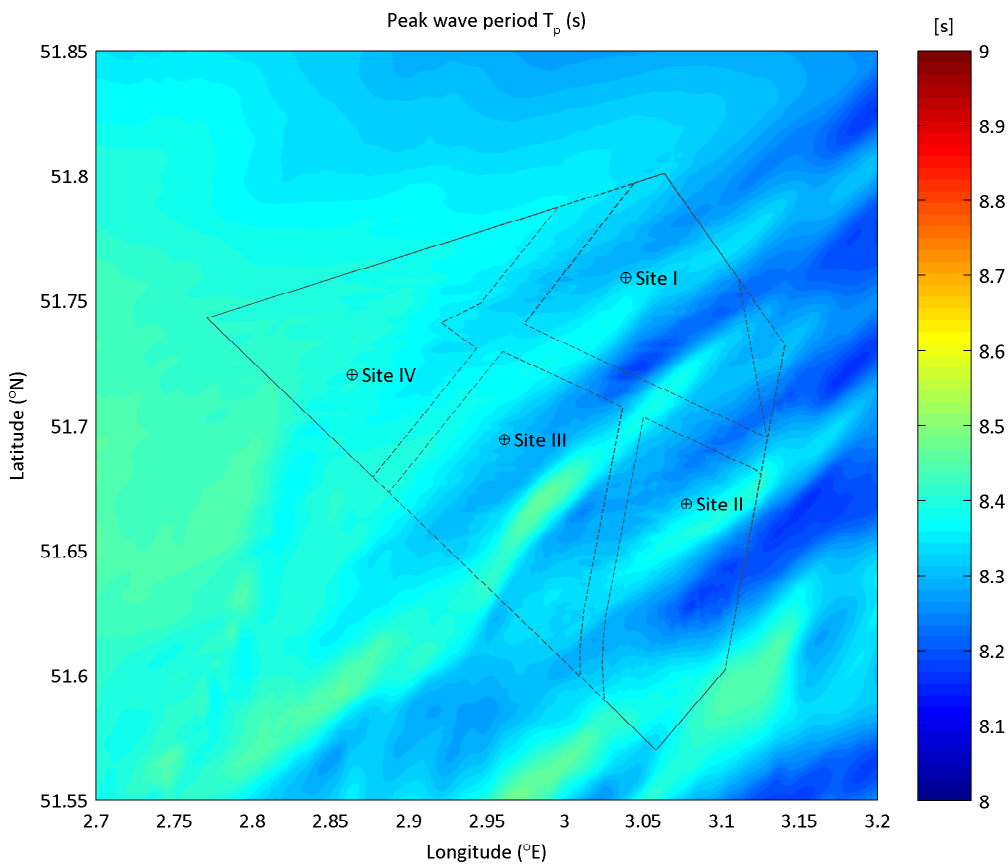
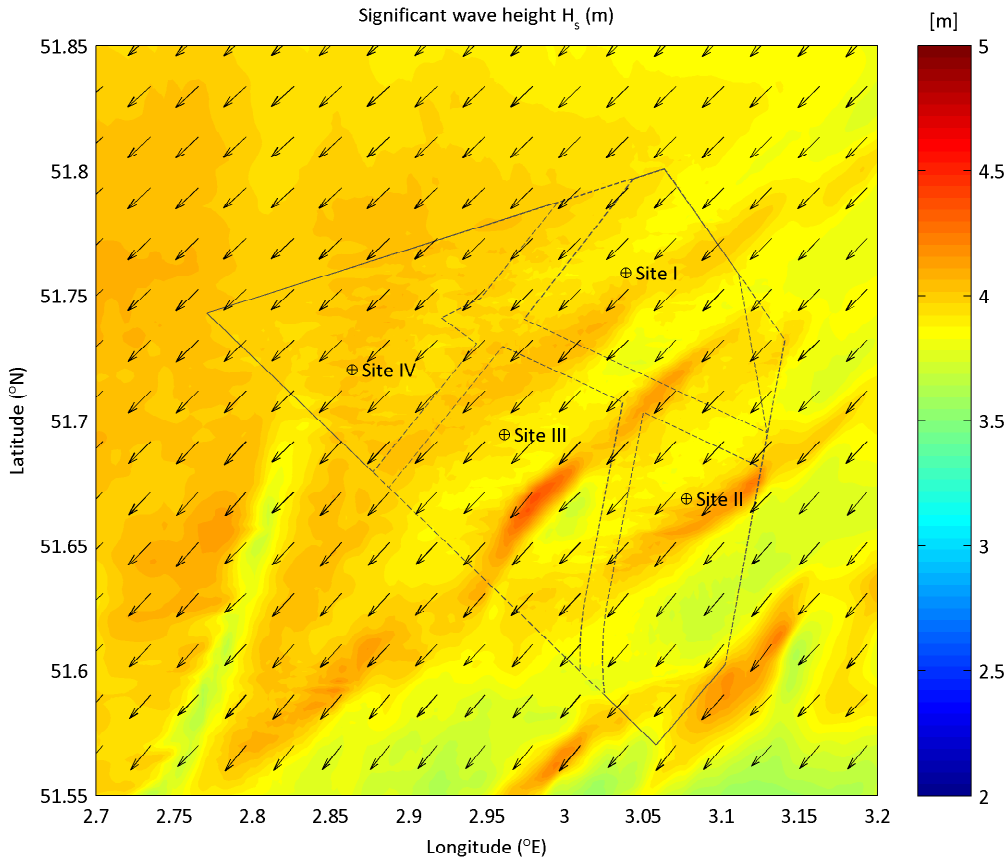
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ E)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.015



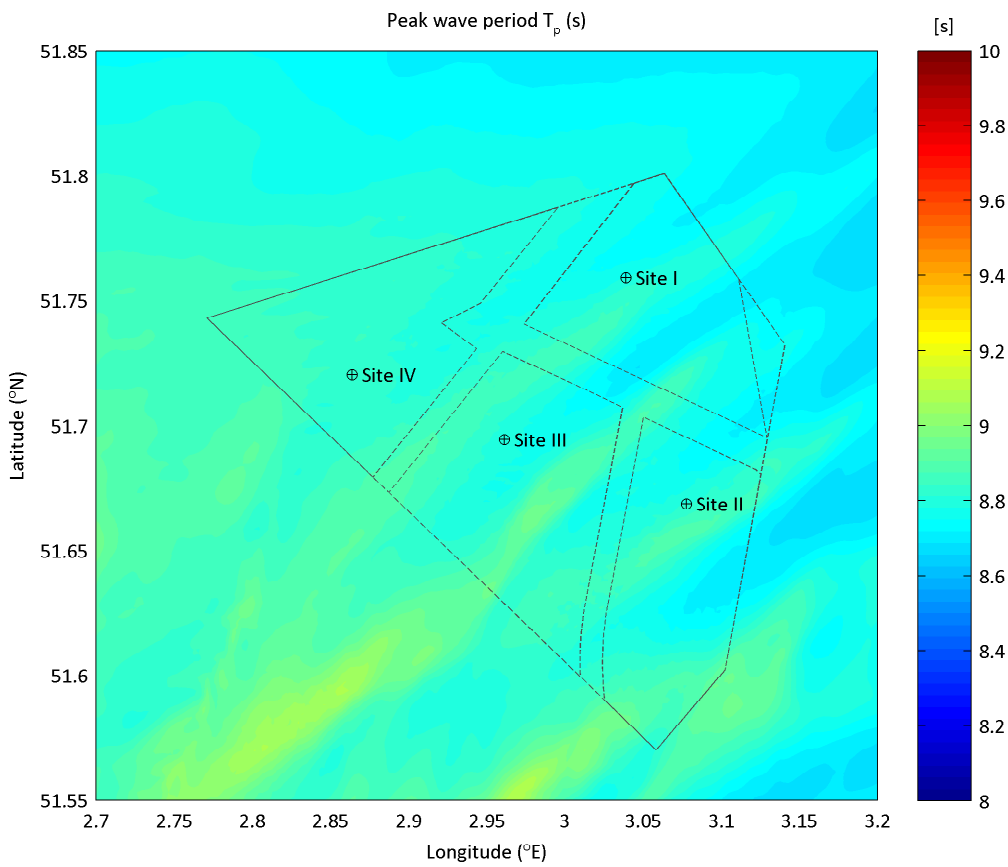
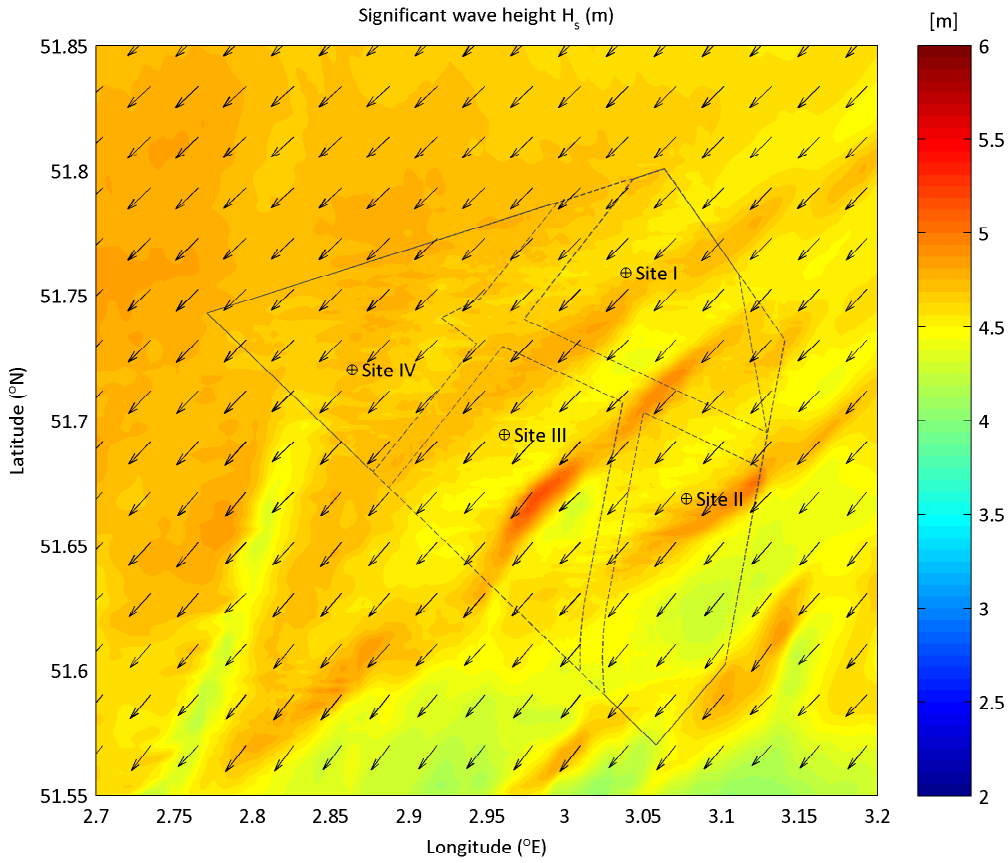
Extreme wave condition from Sector45 (°N) - 75 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.016



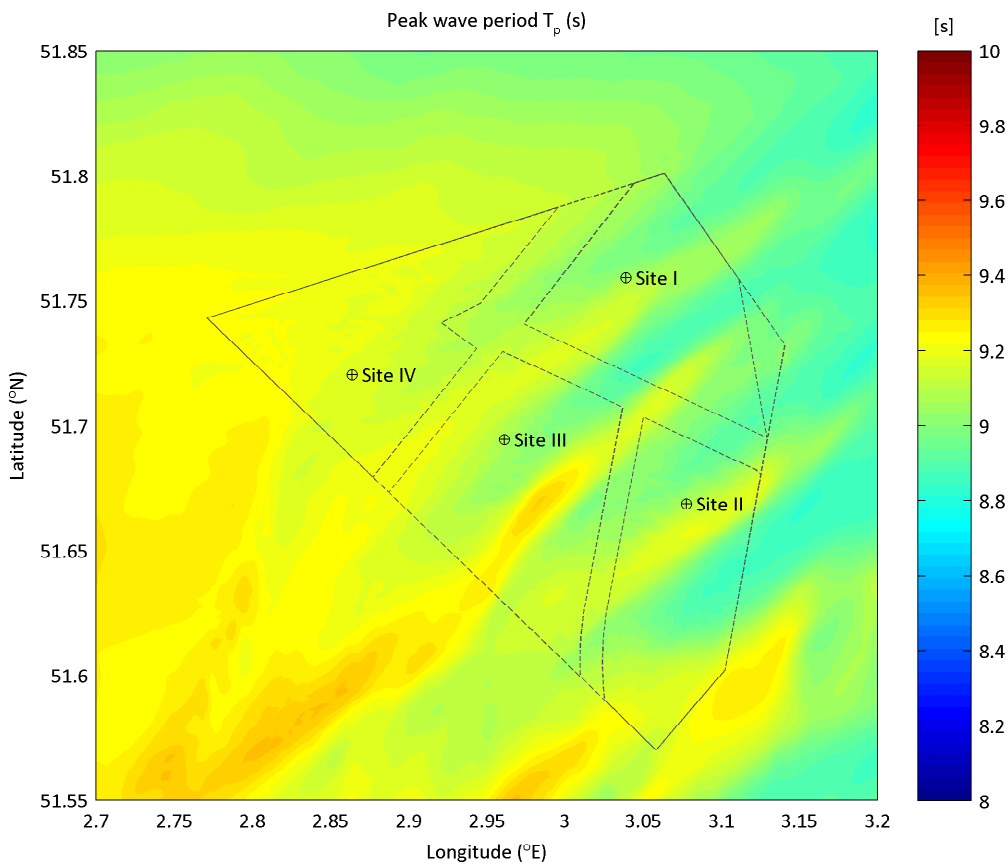
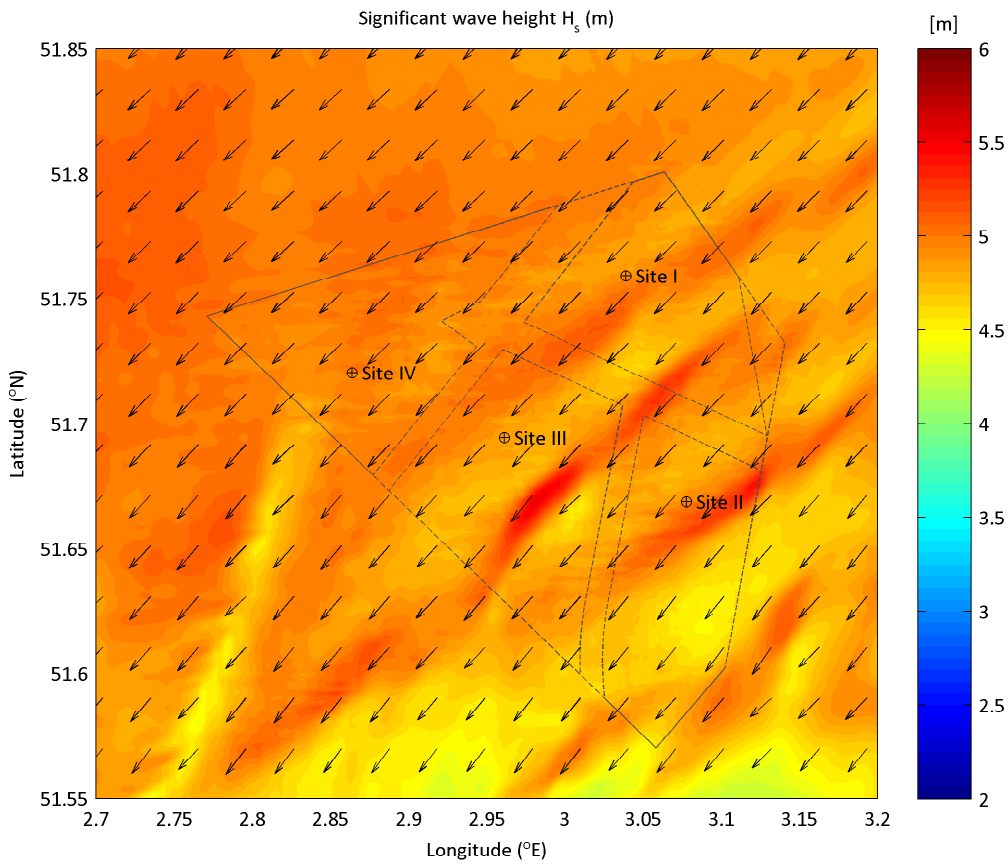
Extreme wave condition from Sector45 (°N) - 75 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.017



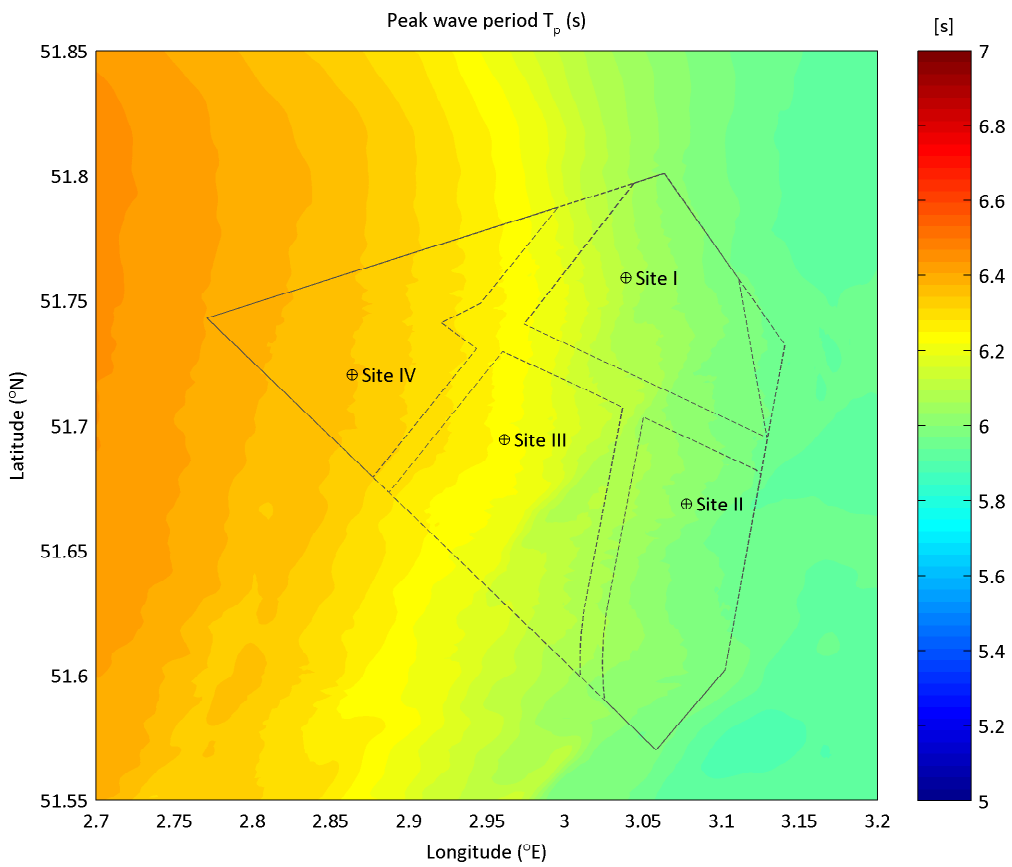
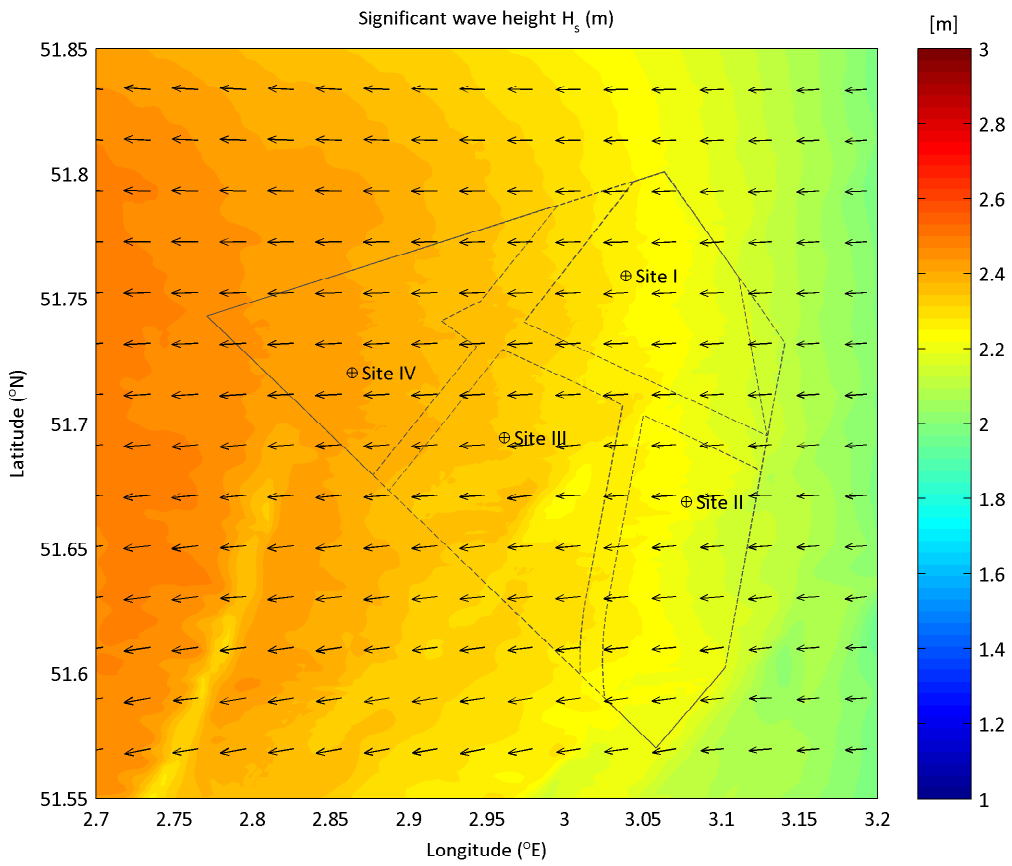
Extreme wave condition from Sector45 ($^{\circ}$ N) - 75 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.018



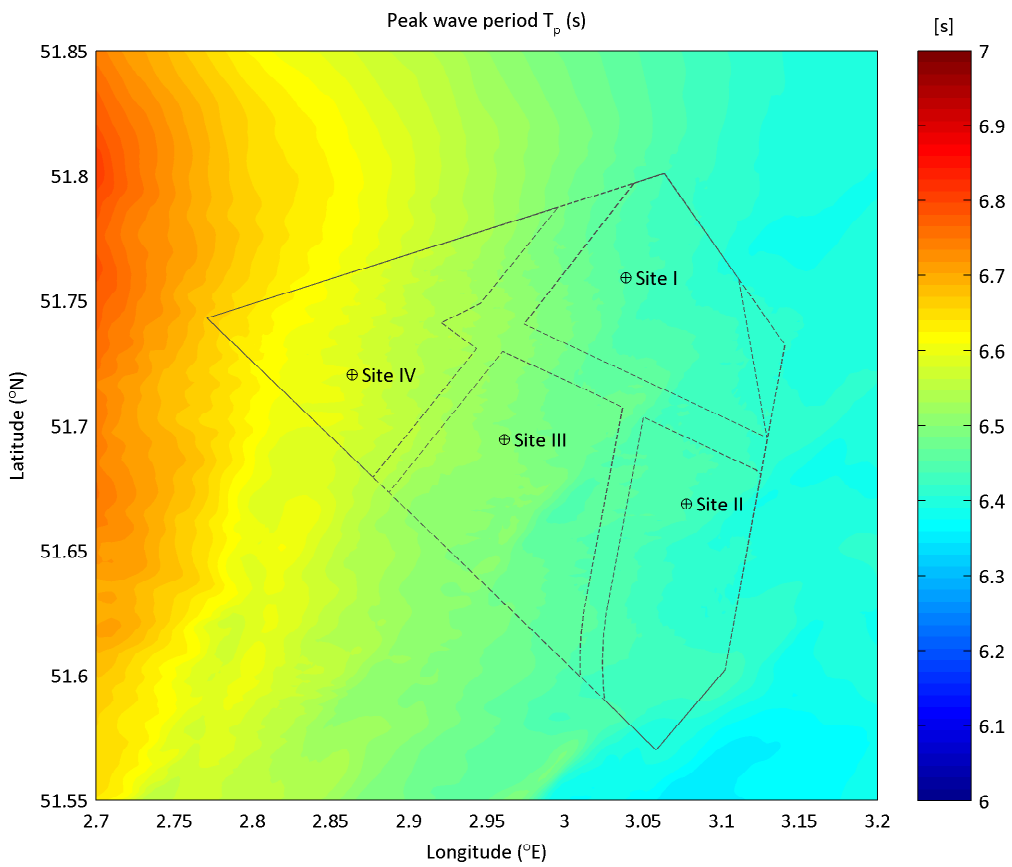
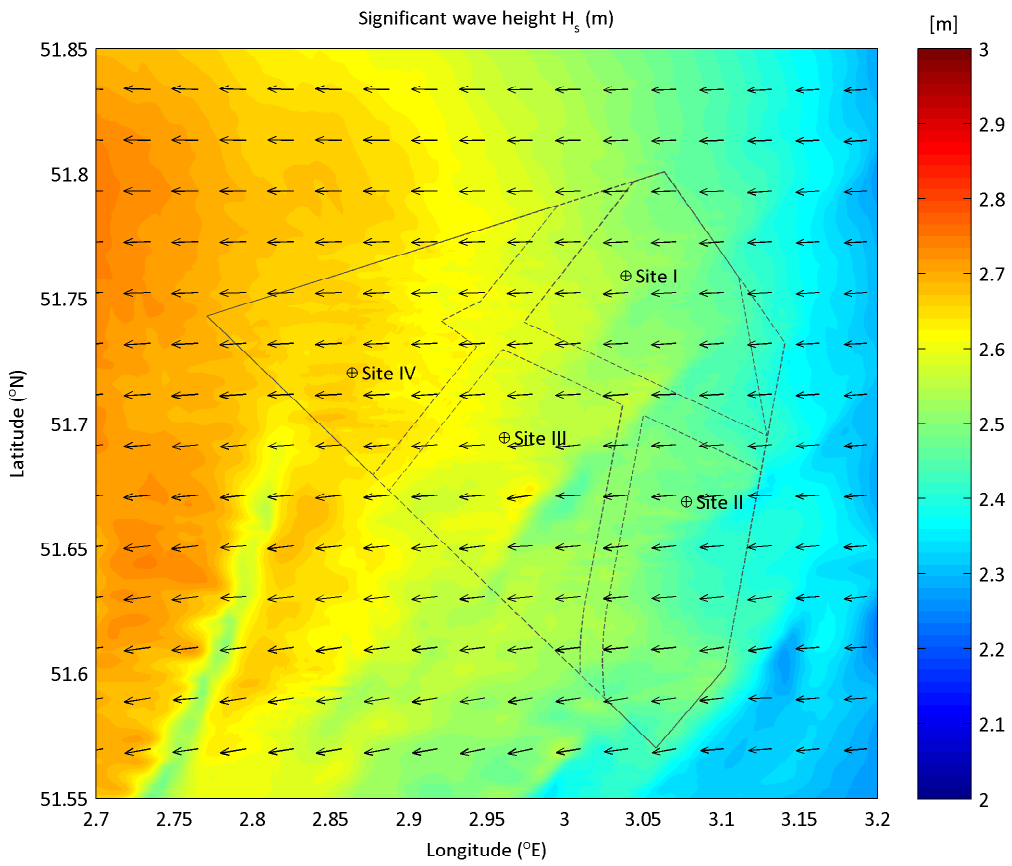
Extreme wave condition from Sector75 (°N) - 105 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.019



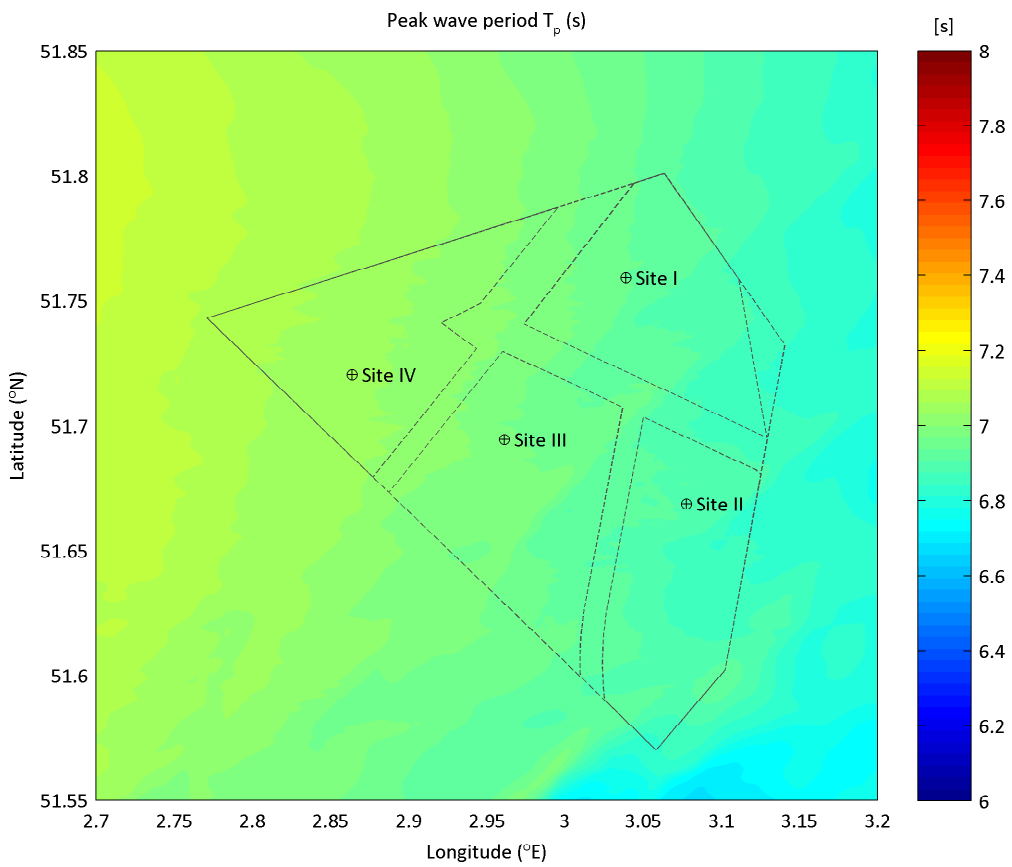
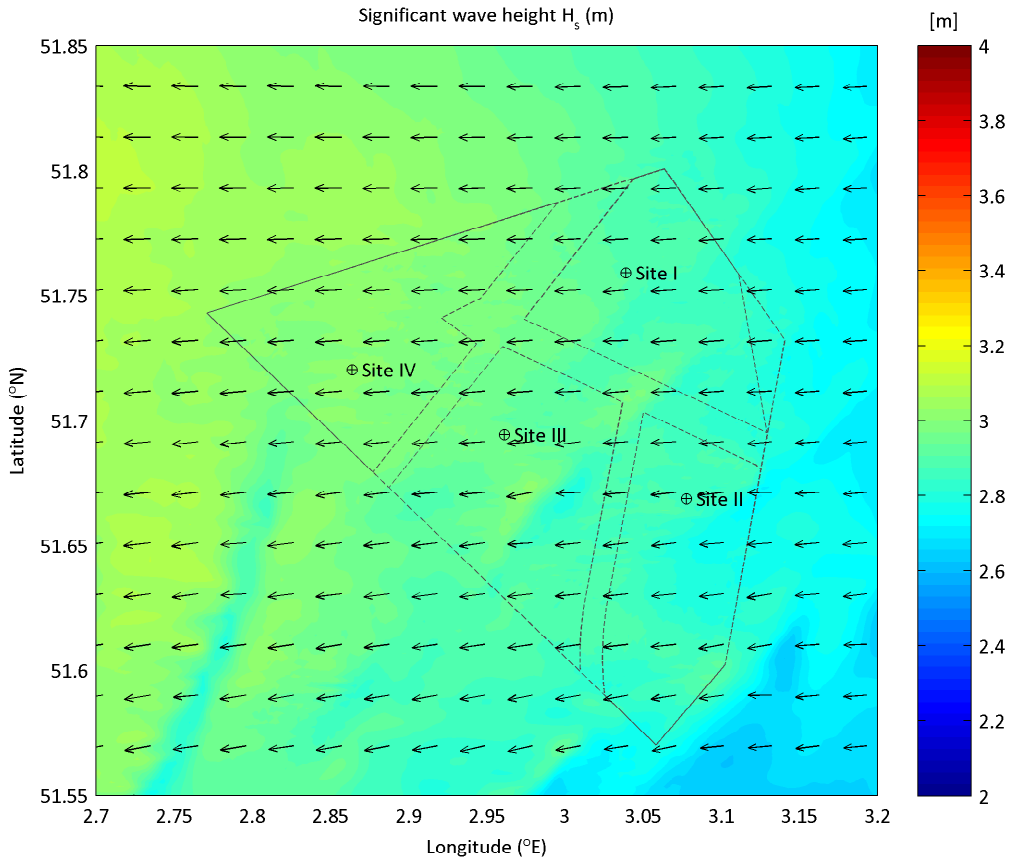
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.020



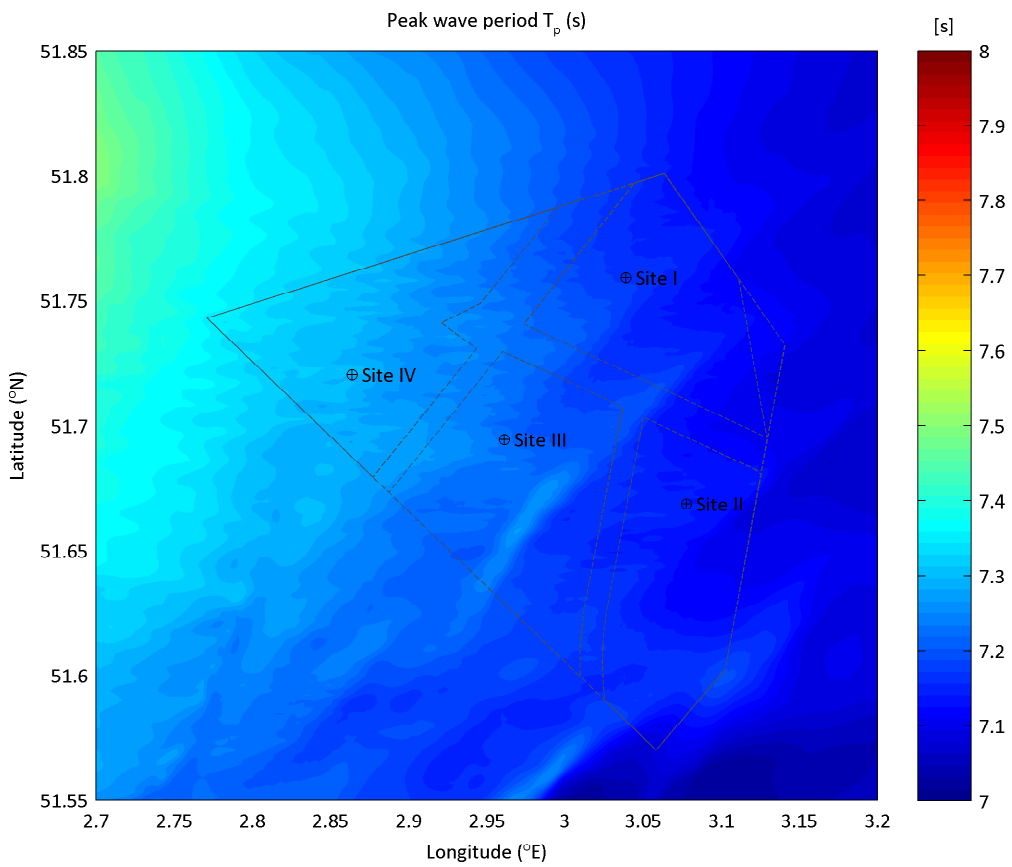
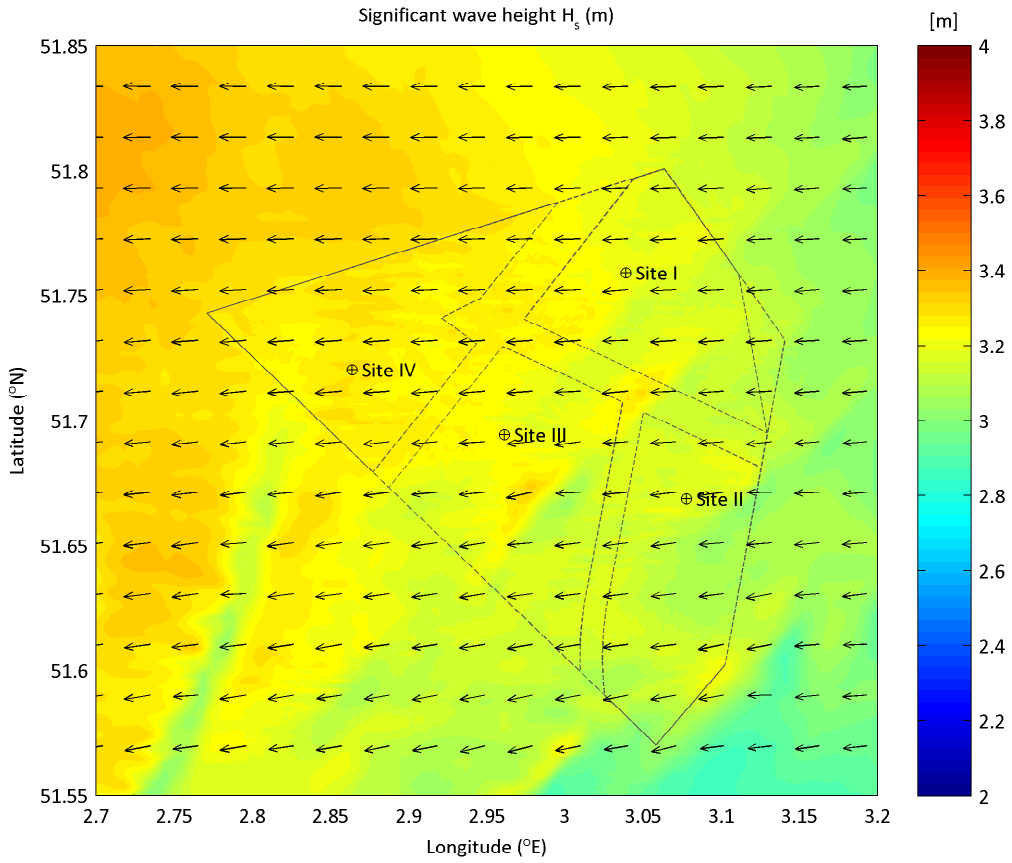
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.021



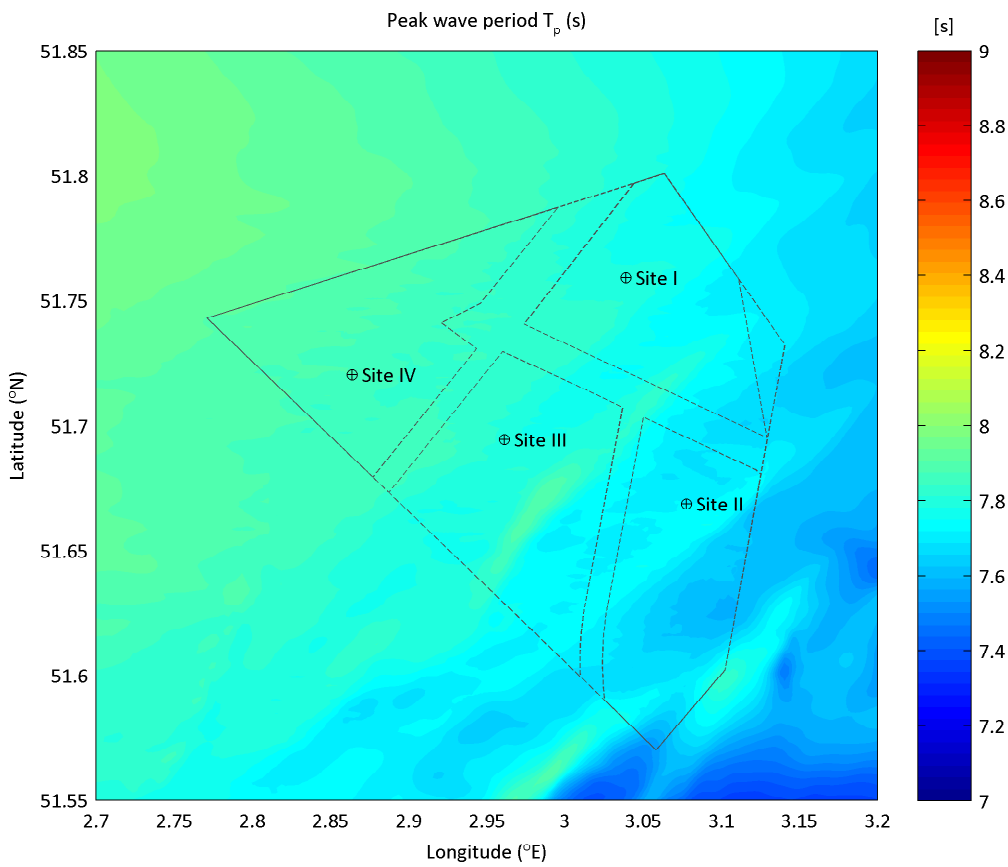
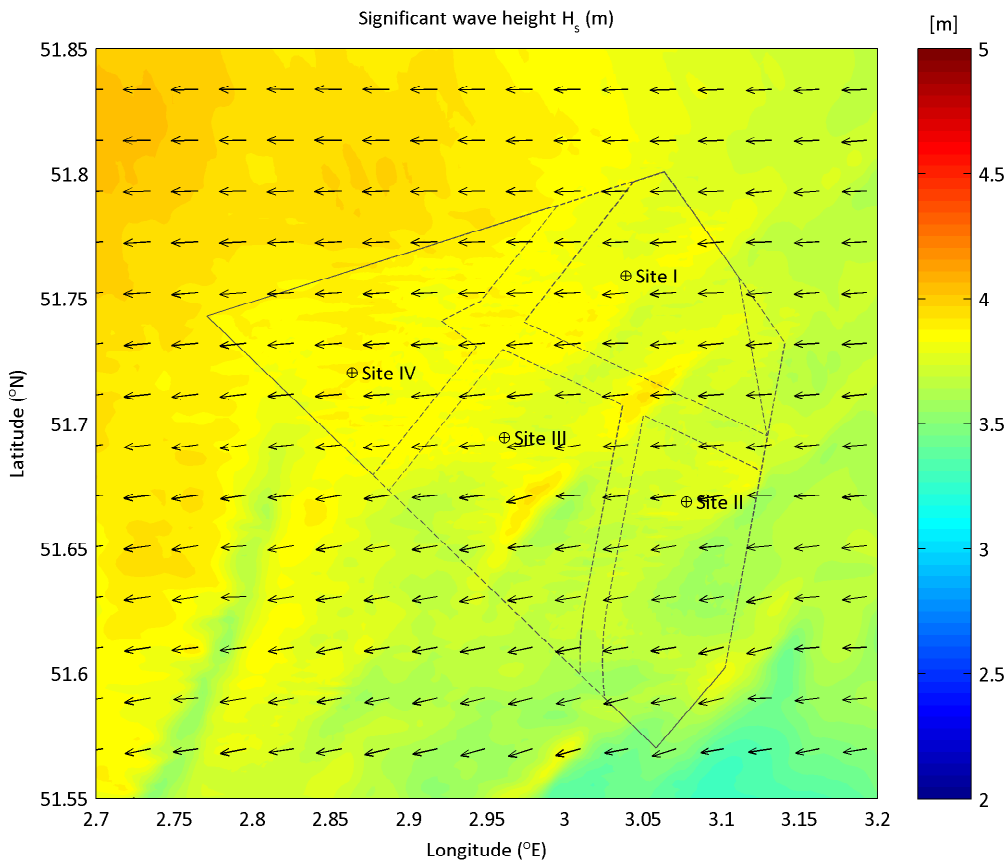
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.022



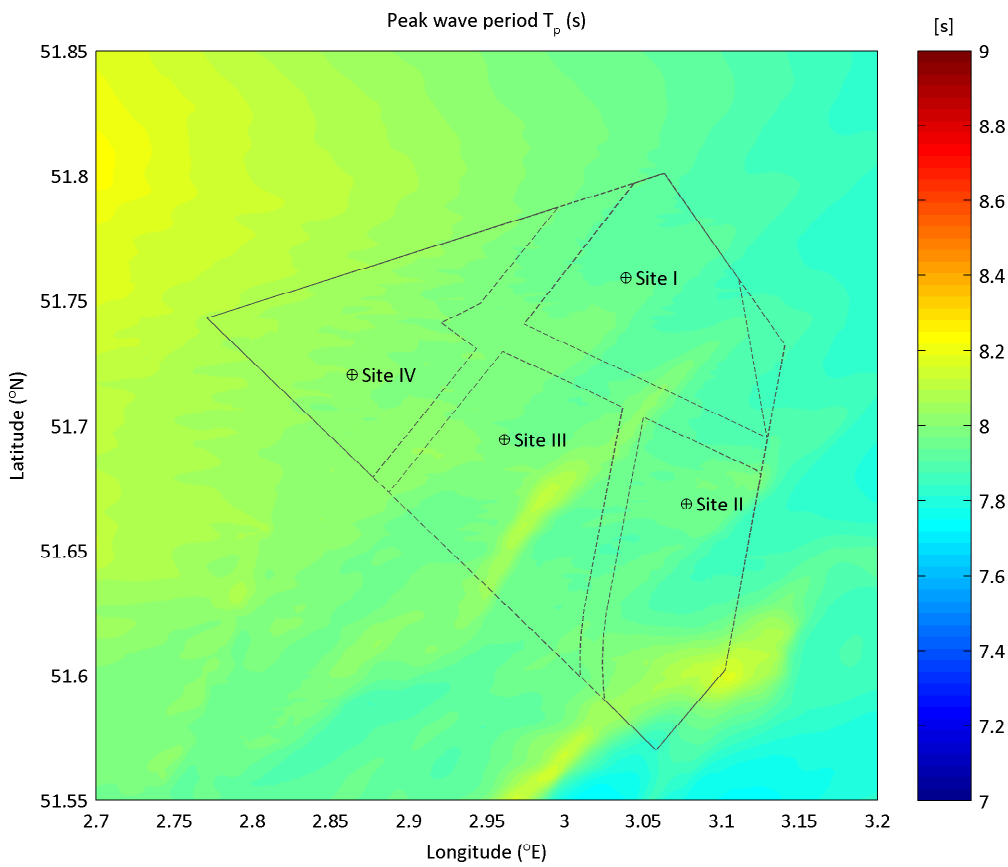
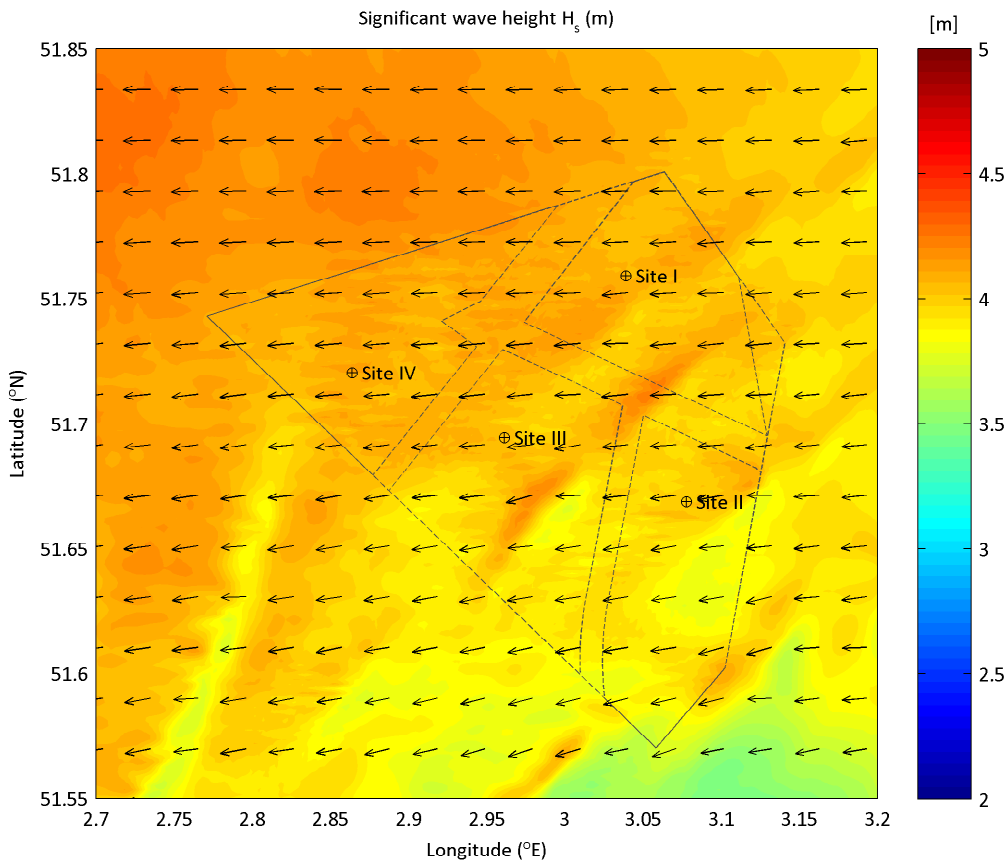
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.023



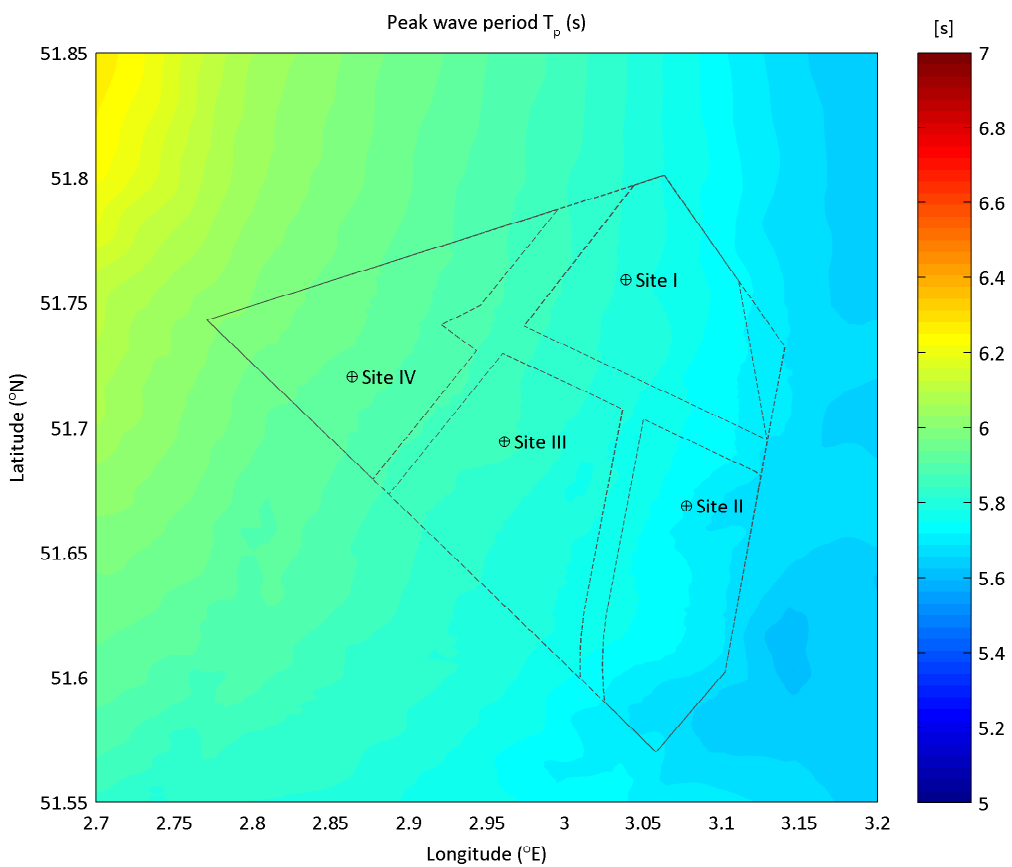
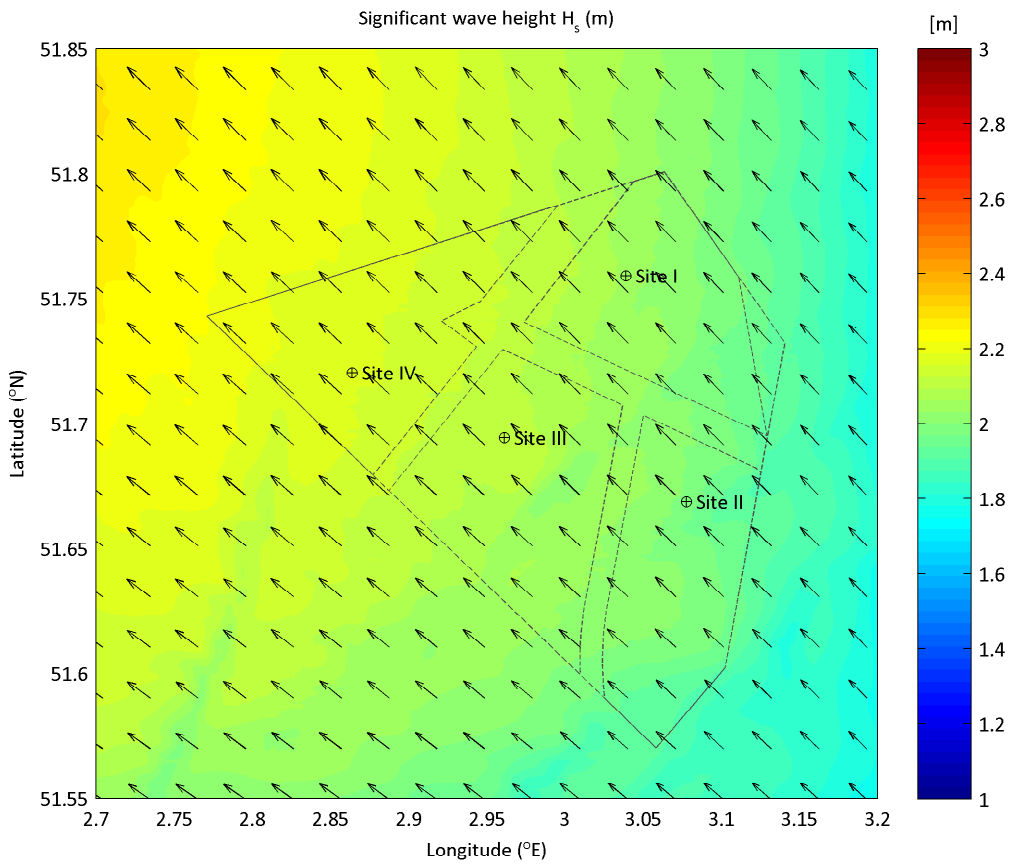
Extreme wave condition from Sector75 ($^{\circ}$ N) - 105 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.024



Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)

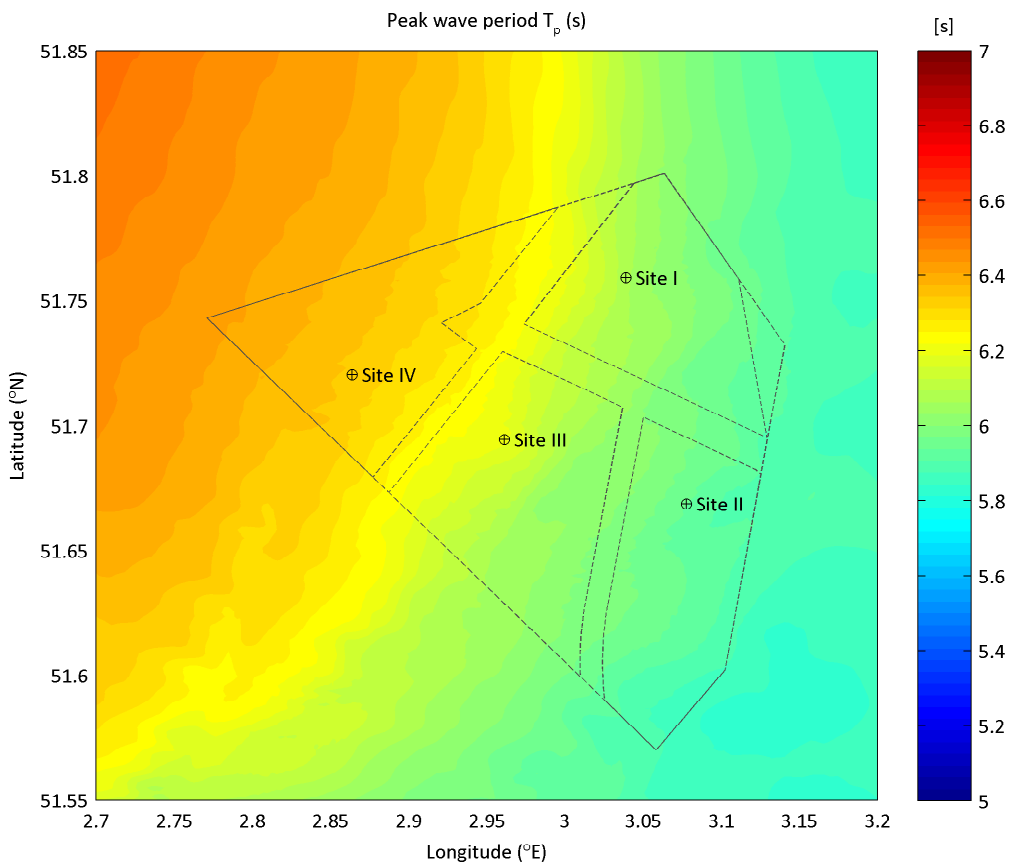
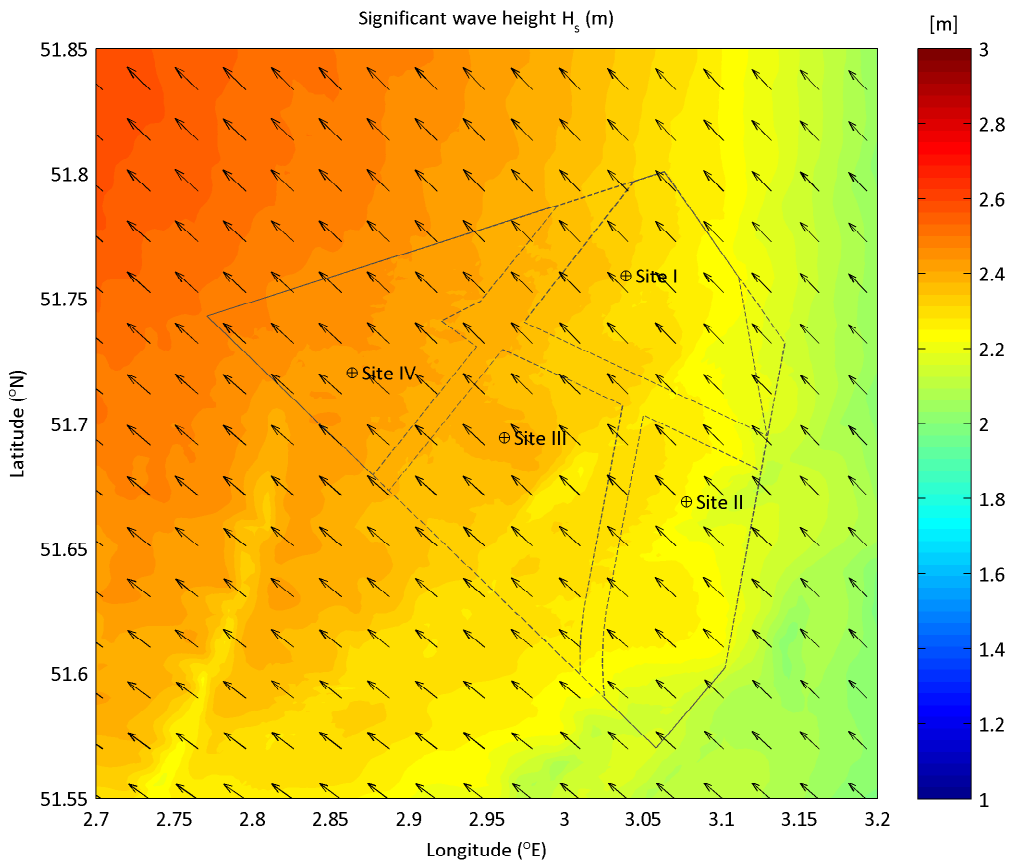
Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.025



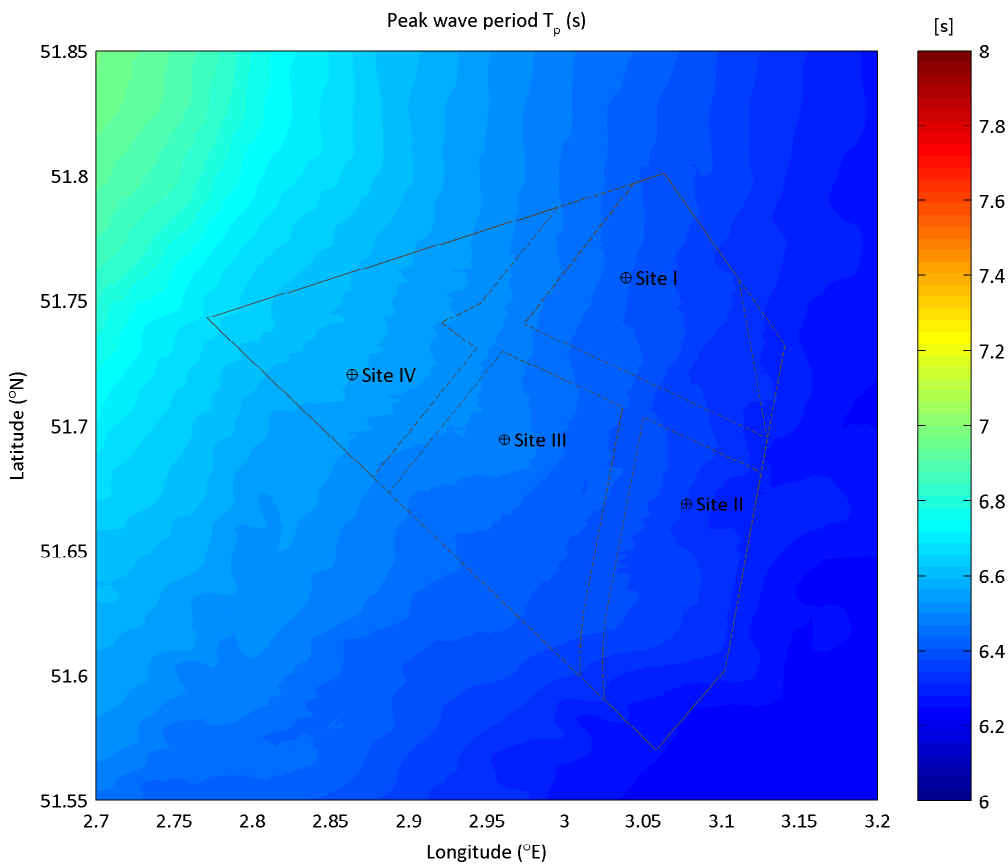
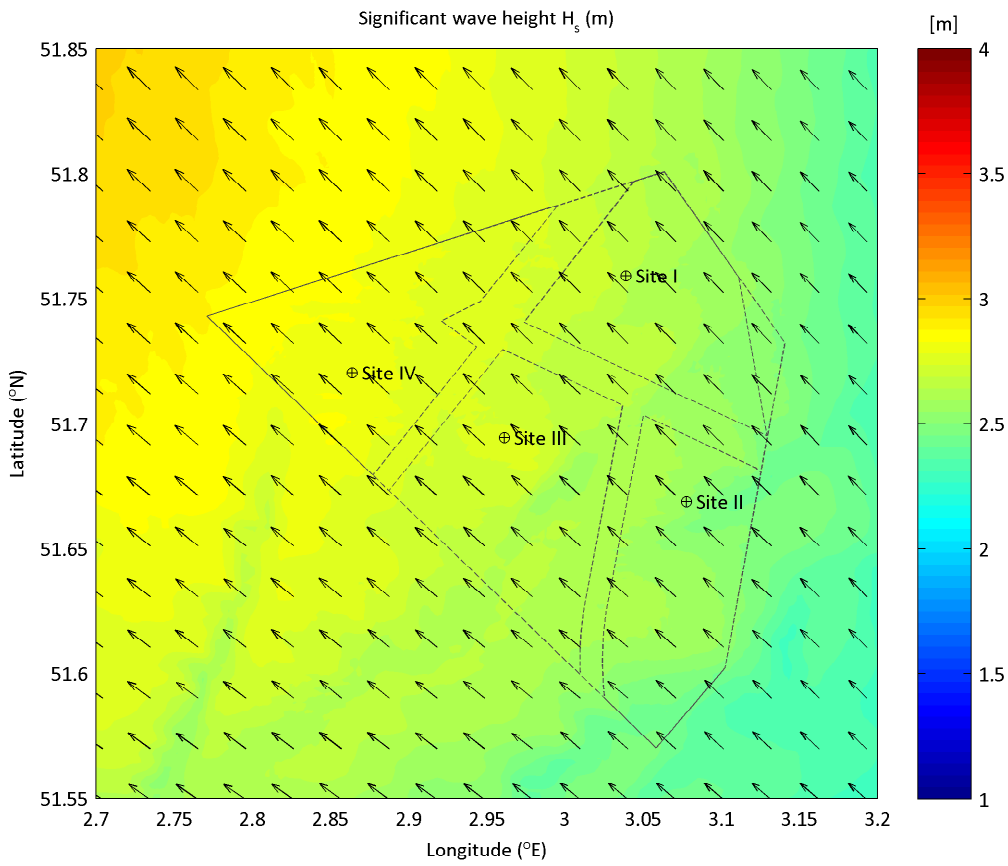
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.026



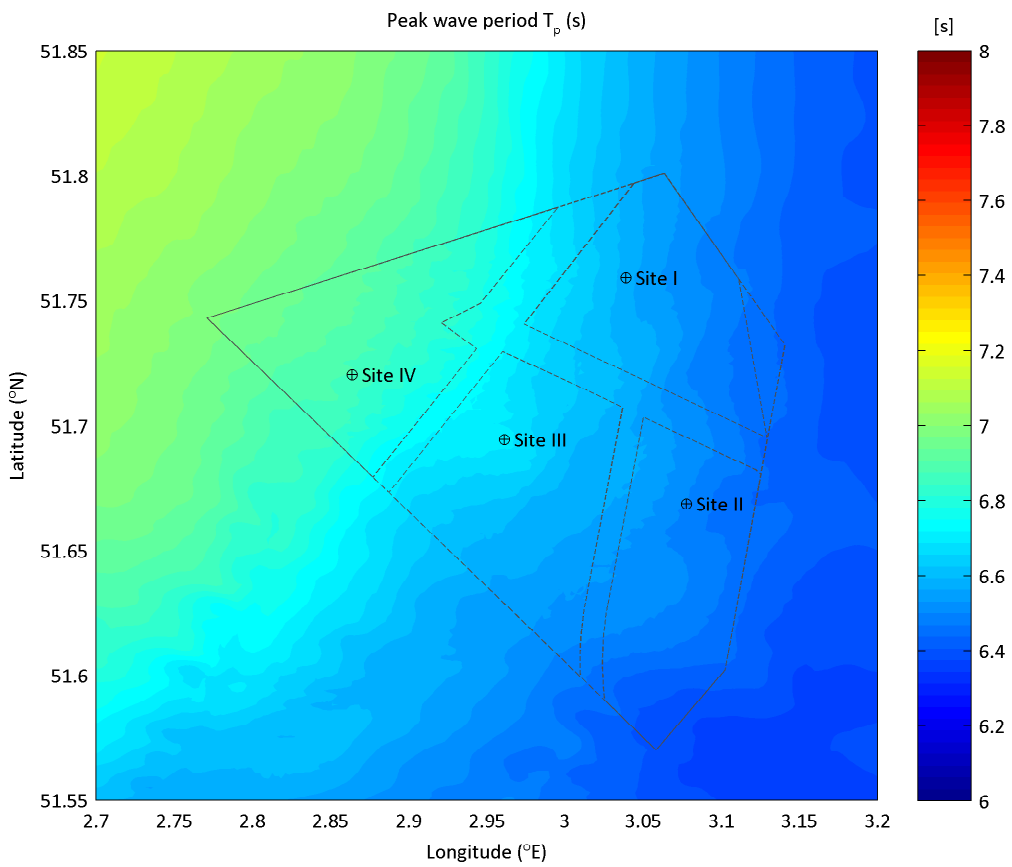
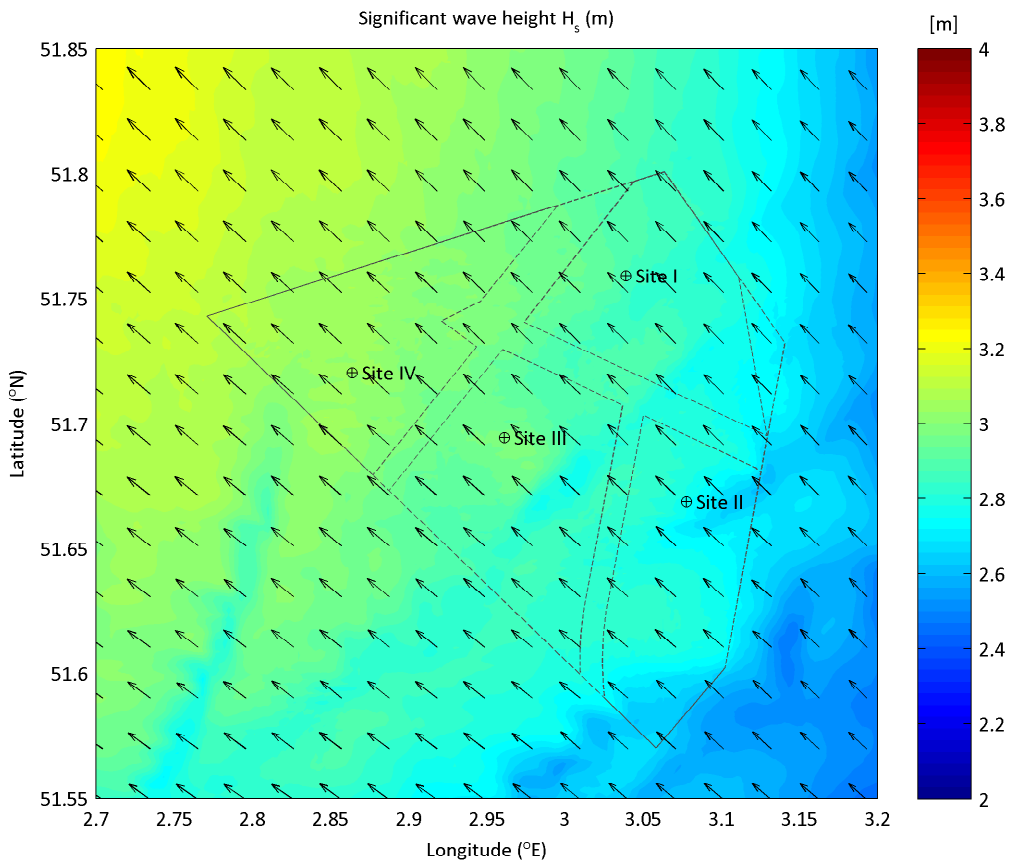
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.027



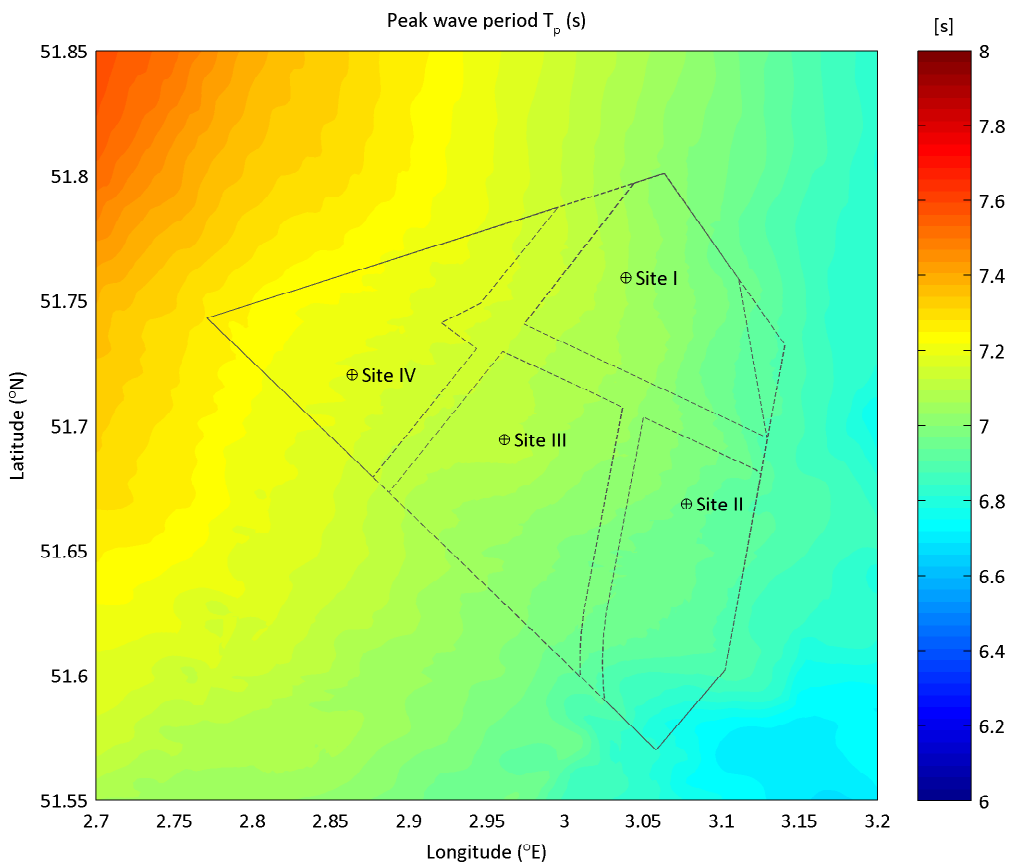
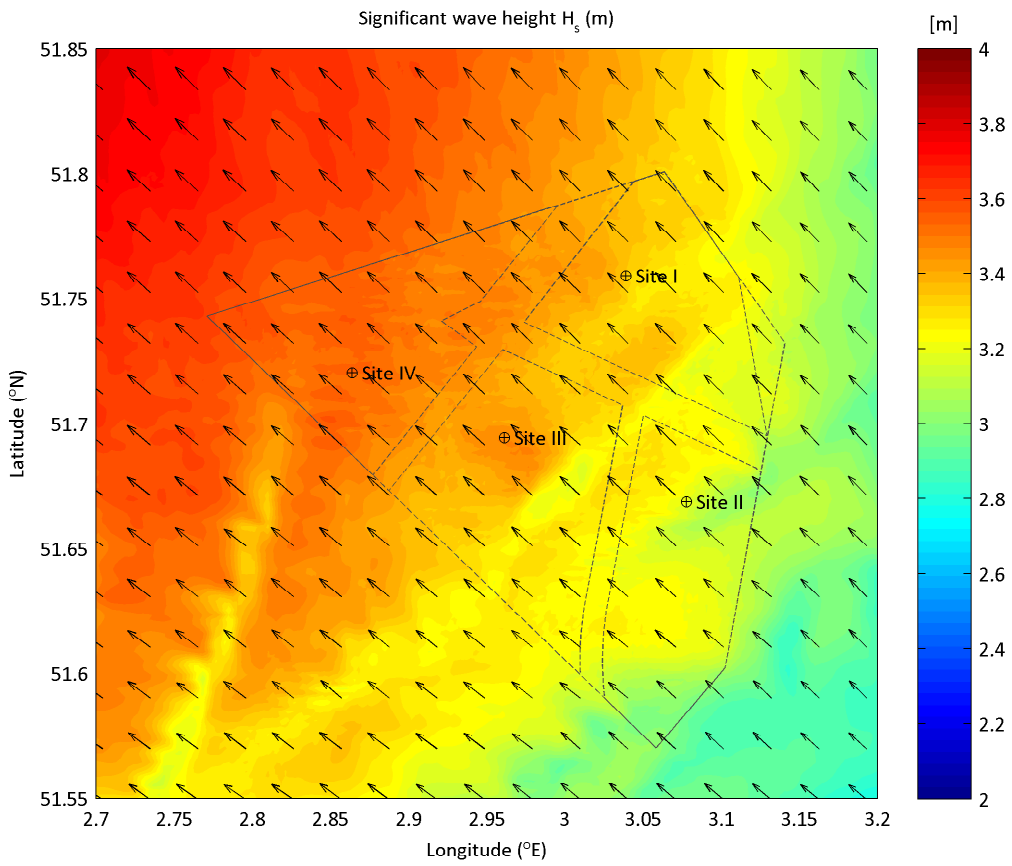
Extreme wave condition from Sector105 ($^{\circ}$ N) - 135 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.028



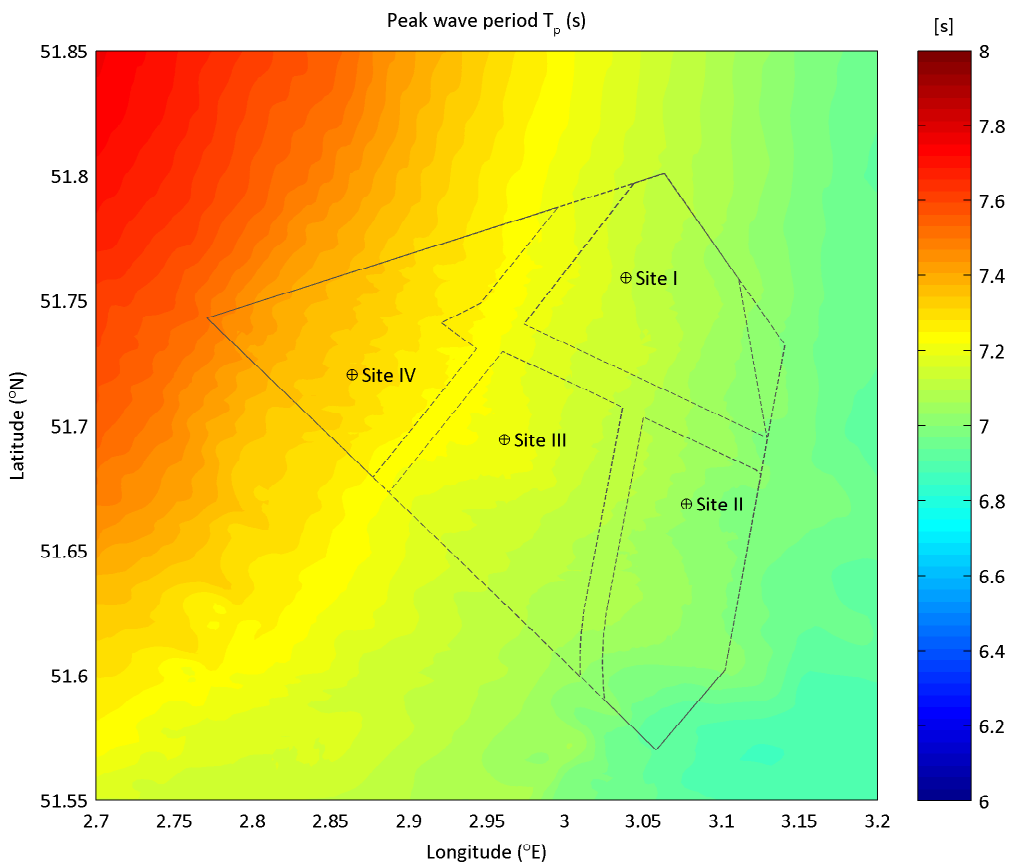
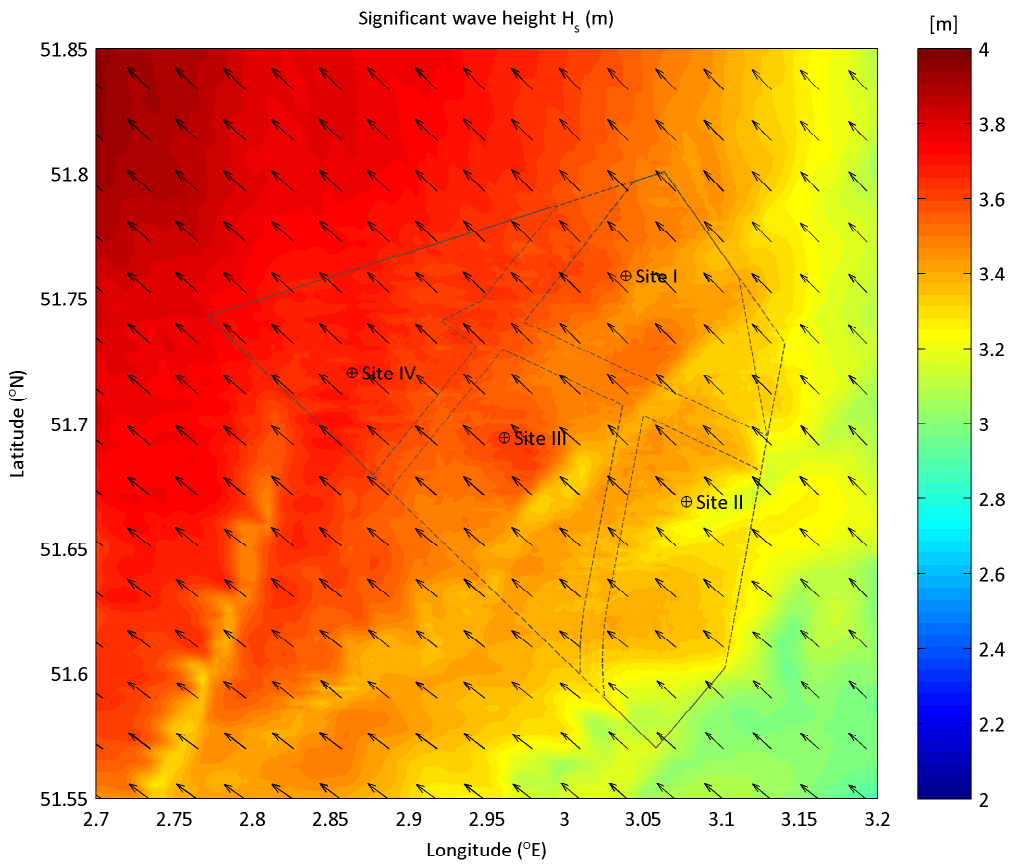
Extreme wave condition from Sector105 (°N) - 135 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.029



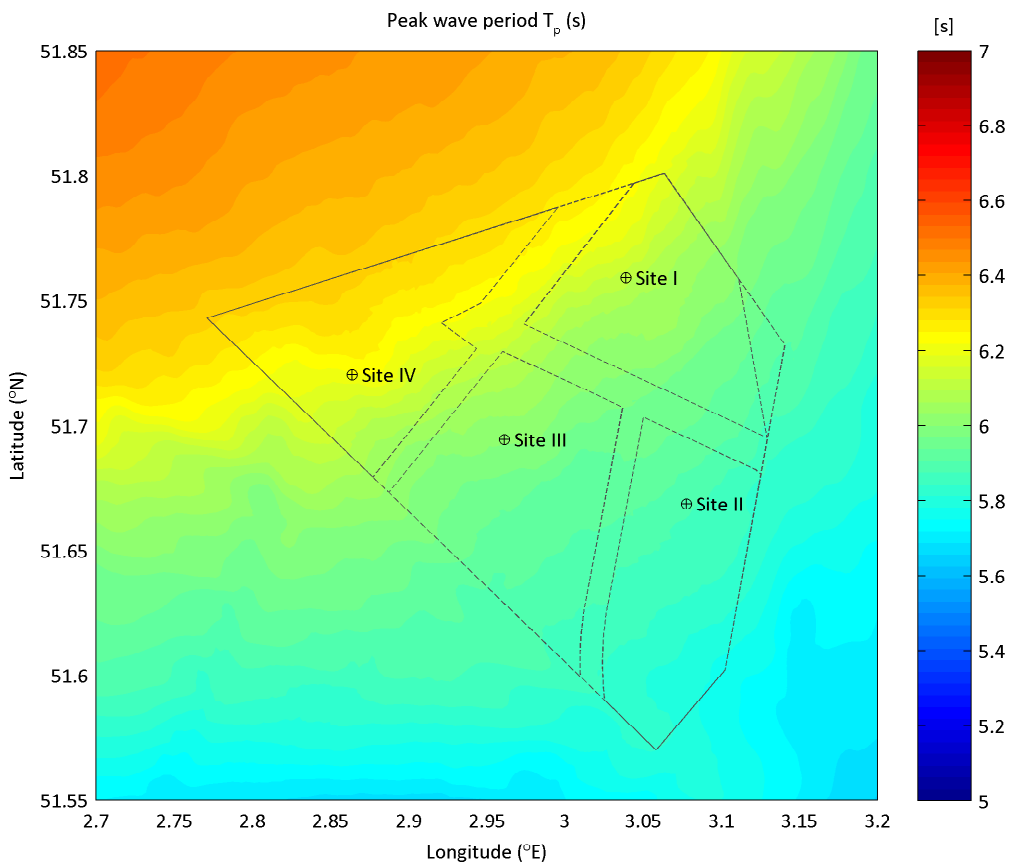
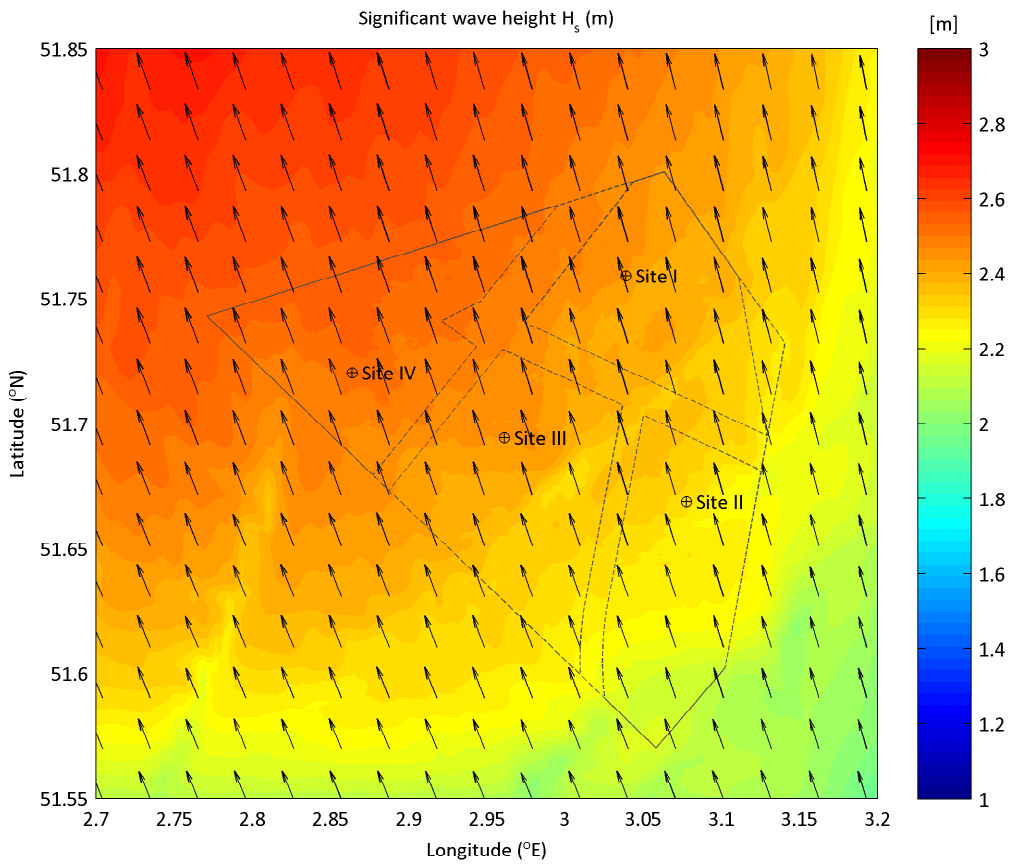
Extreme wave condition from Sector105 (°N) - 135 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.030



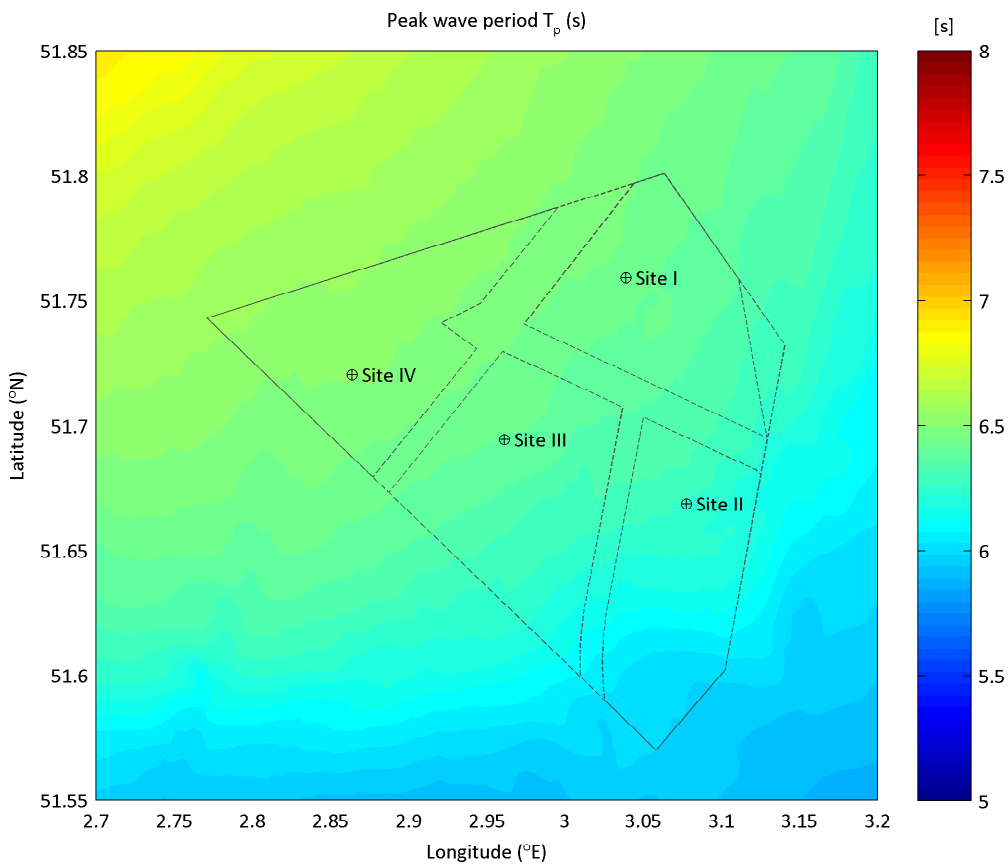
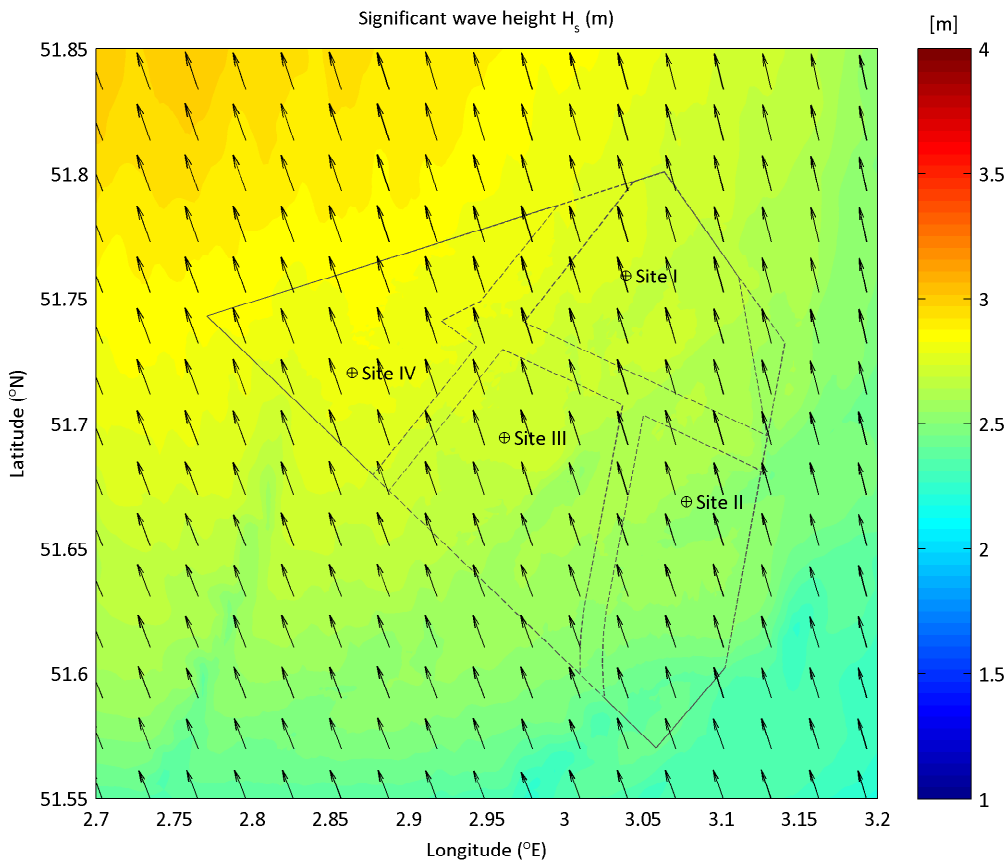
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.031



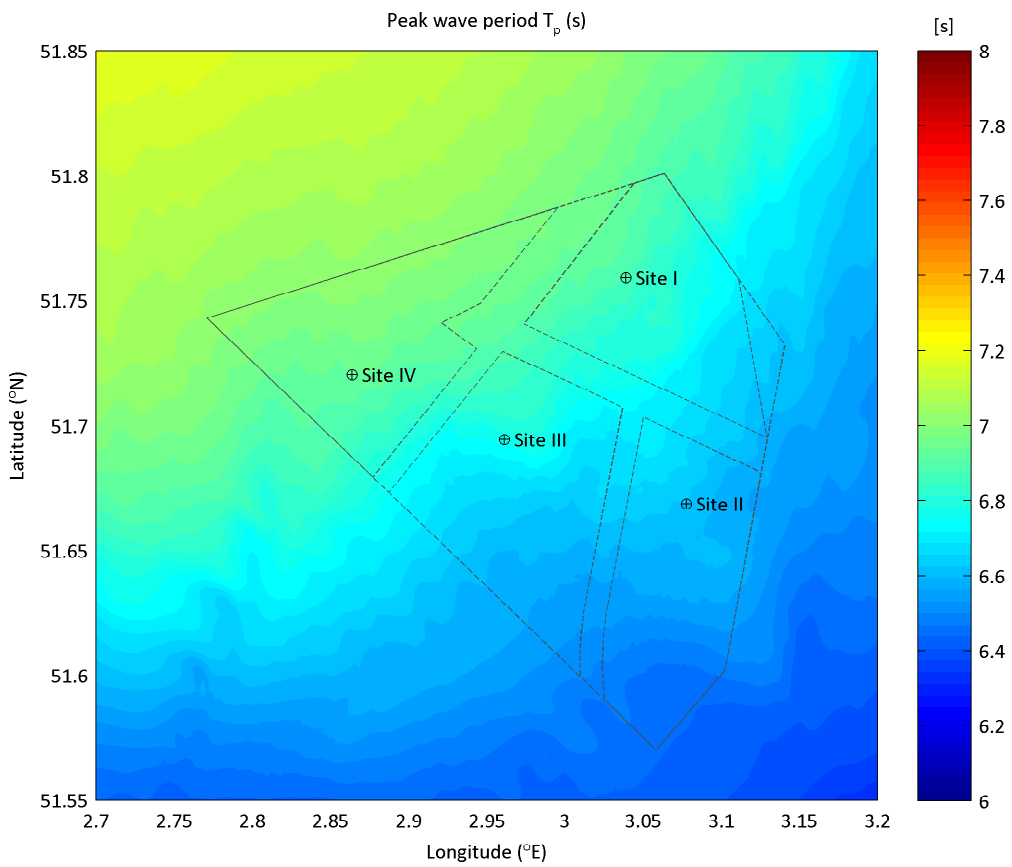
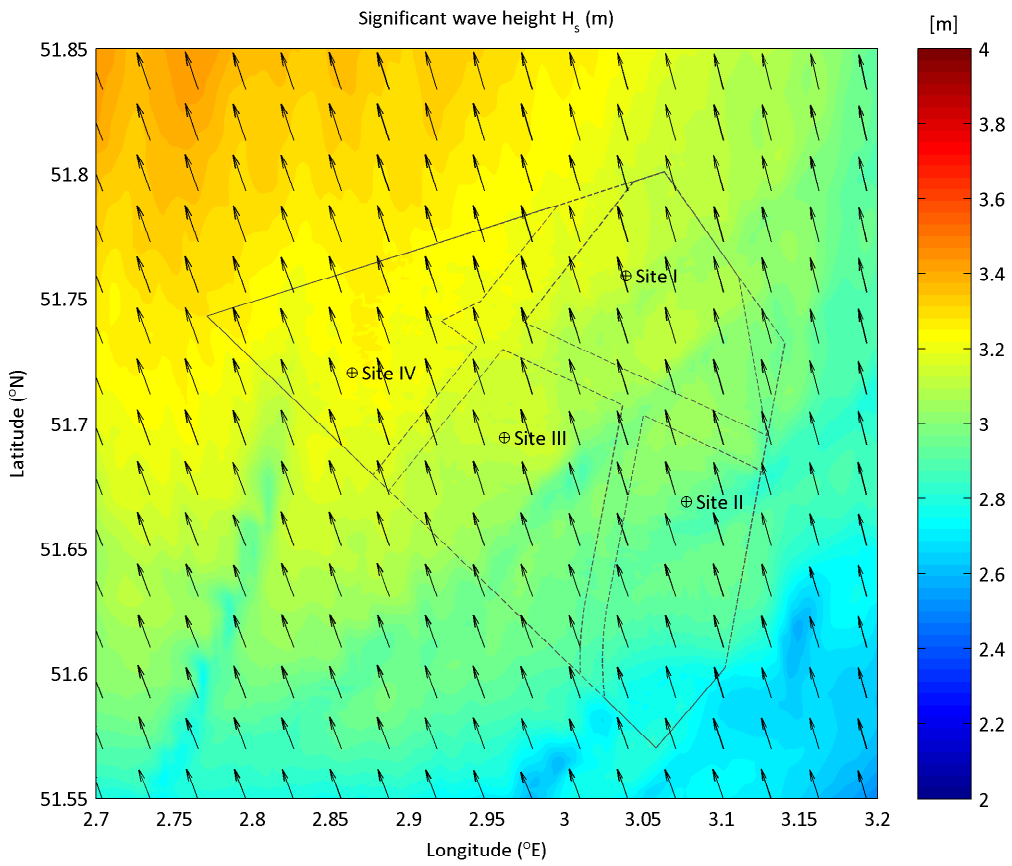
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.032



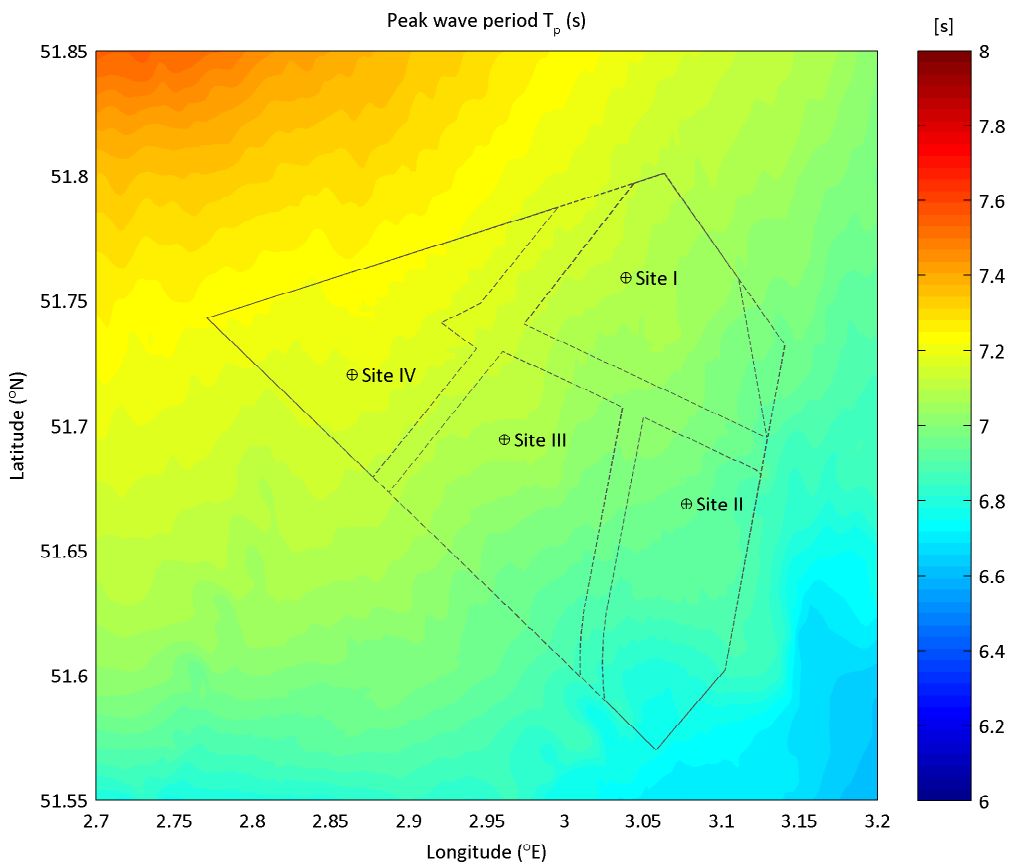
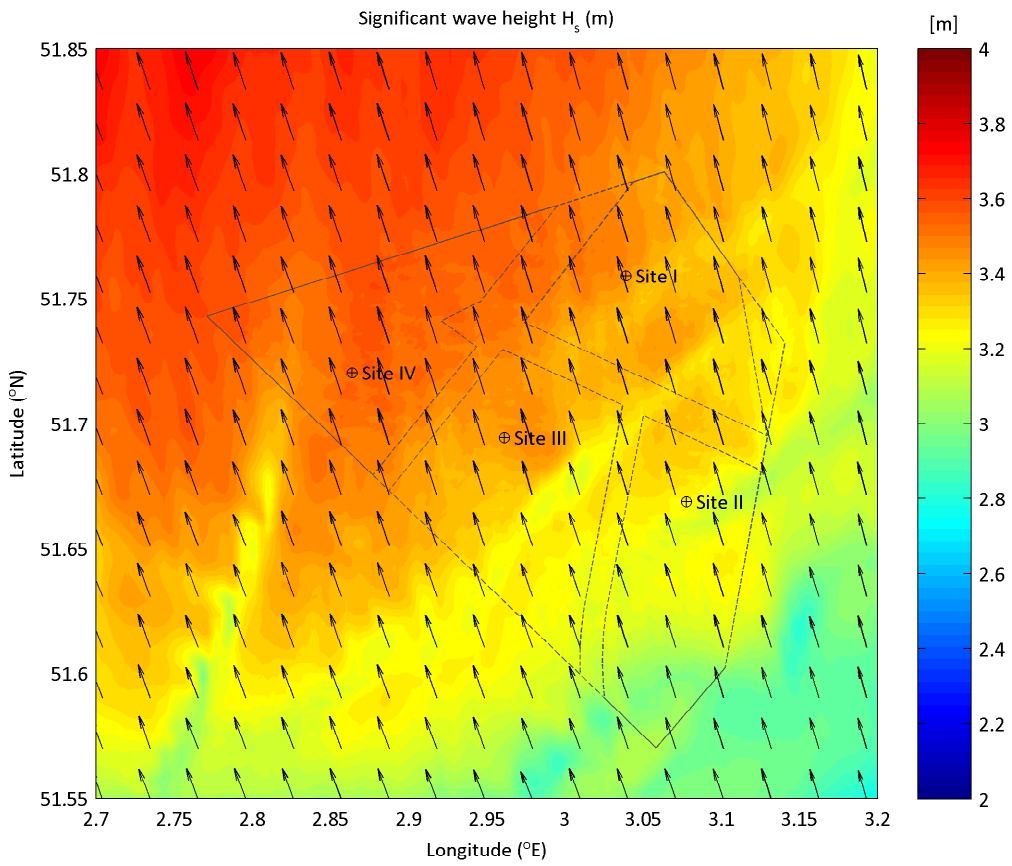
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.033



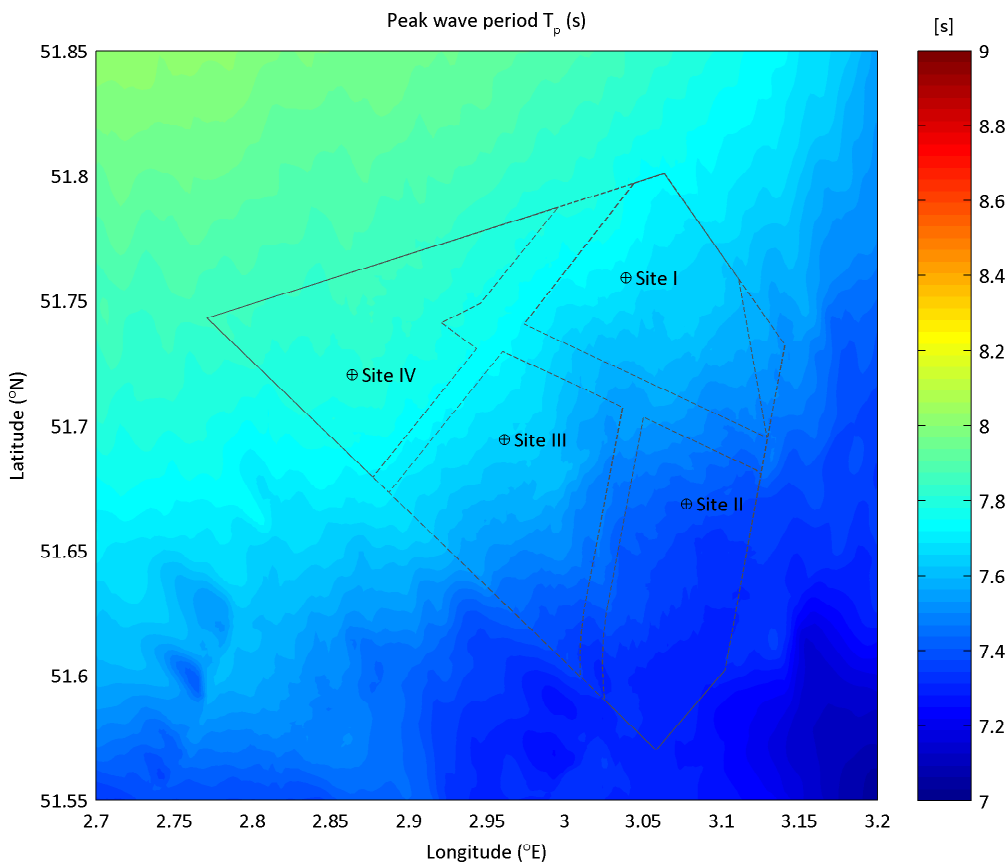
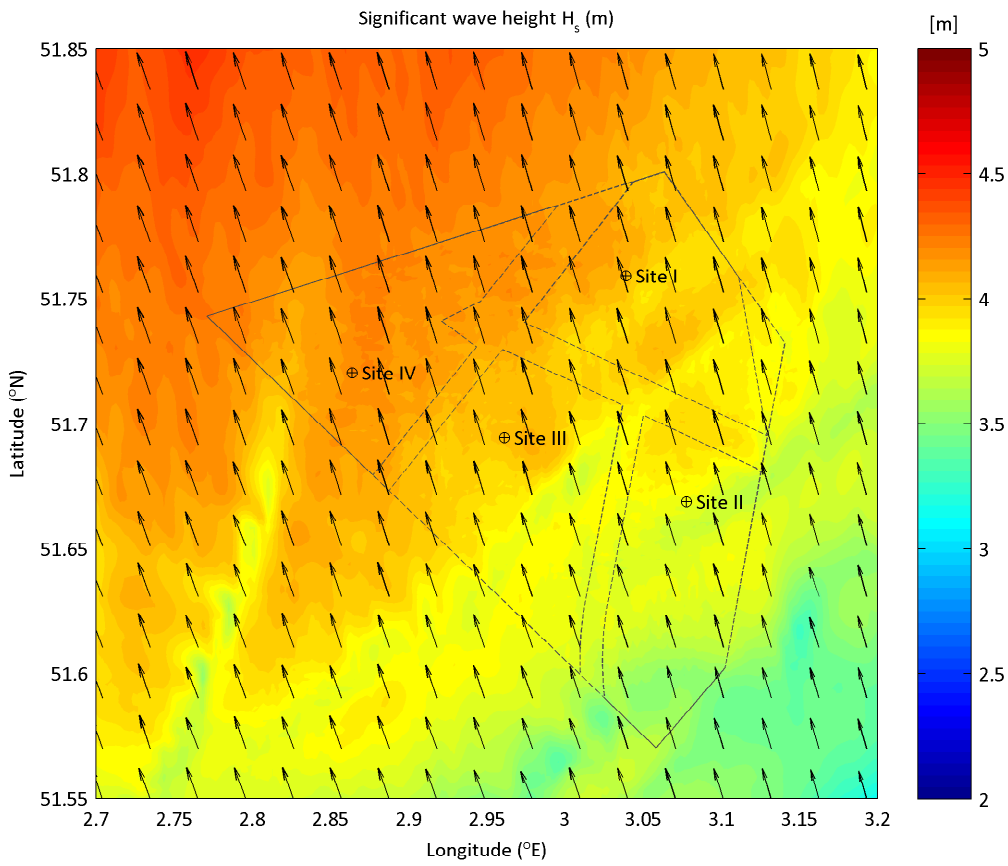
Extreme wave condition from Sector135 ($^{\circ}$ N) - 165 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.034



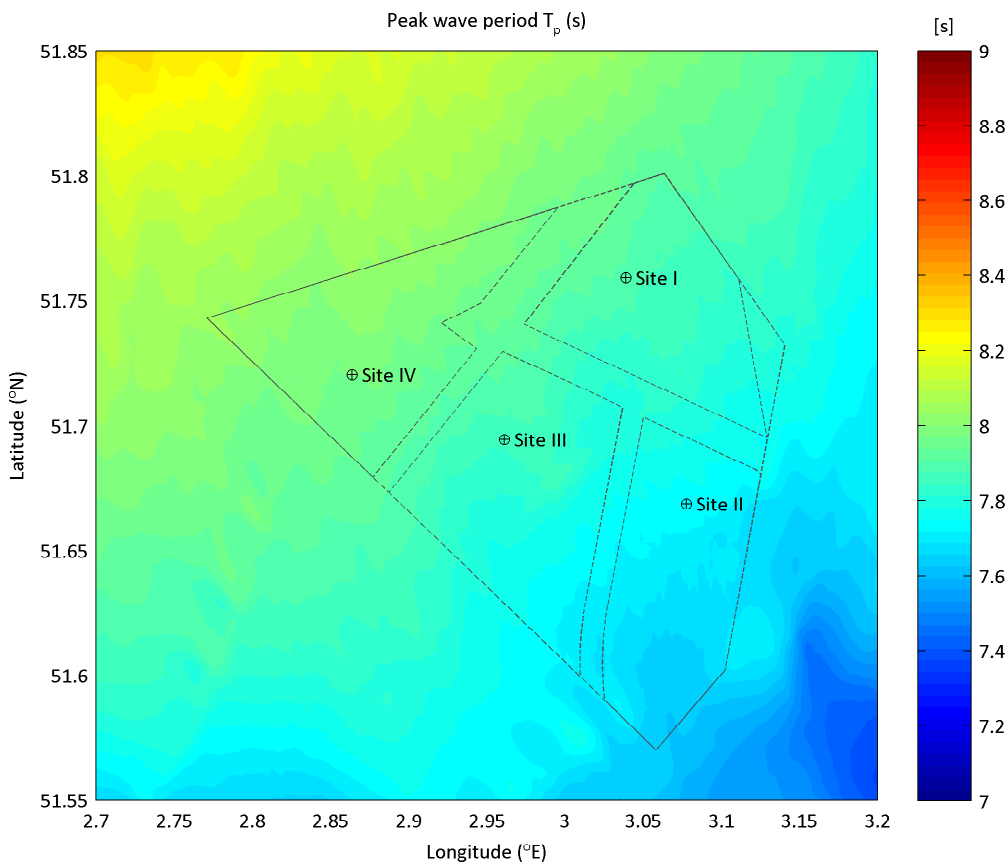
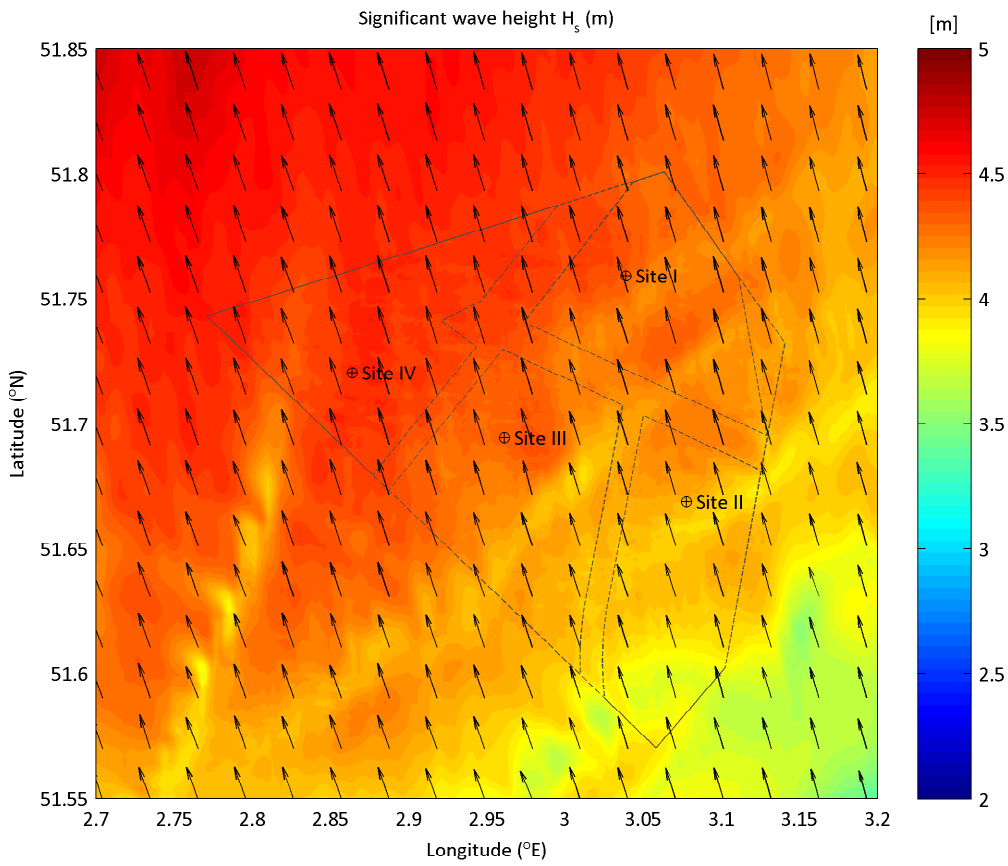
Extreme wave condition from Sector135 (°N) - 165 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.035



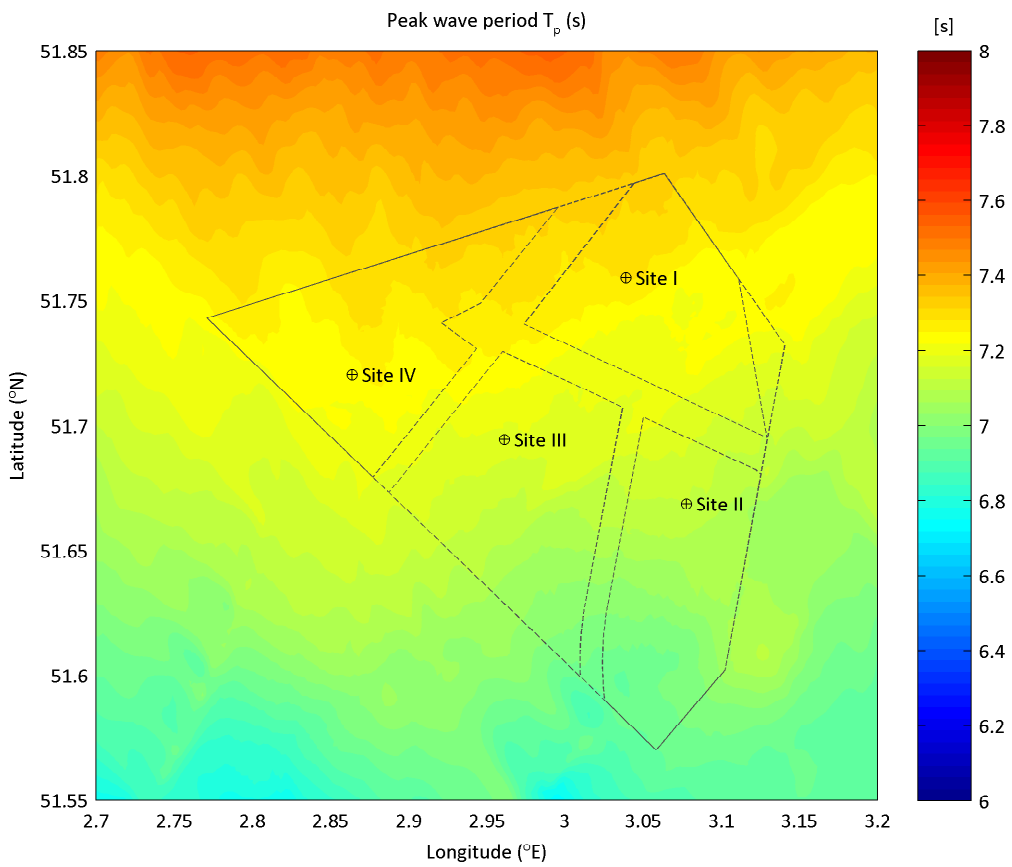
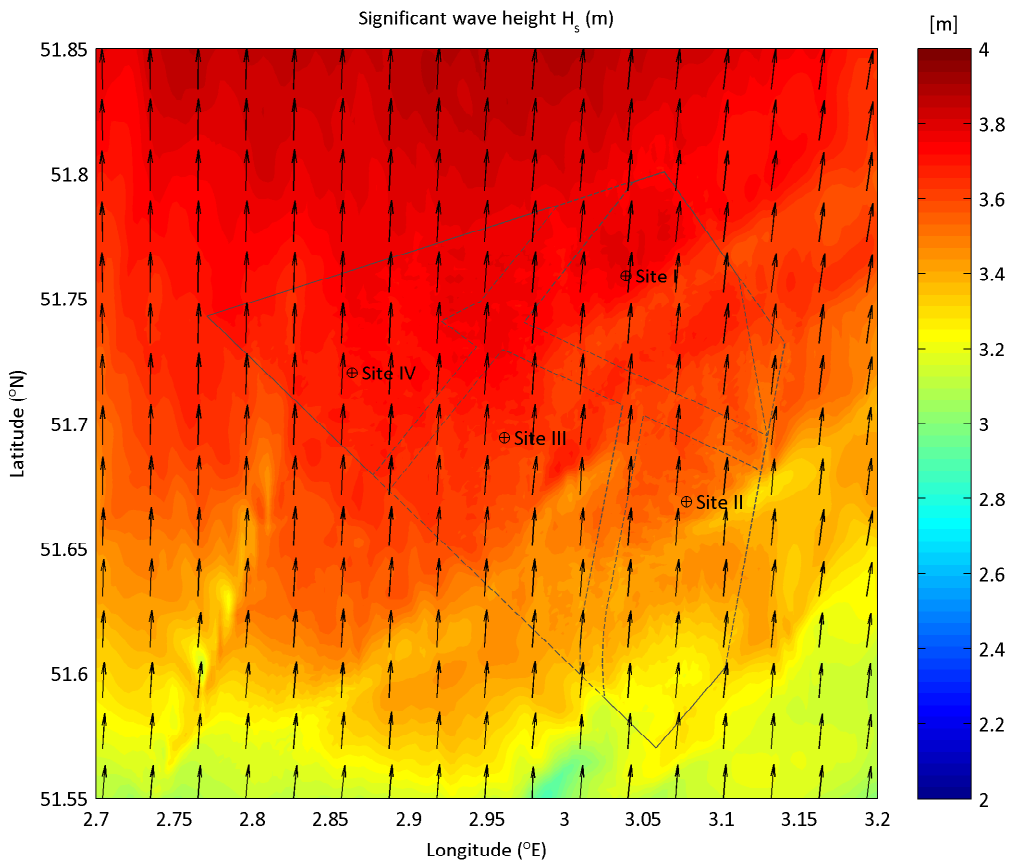
Extreme wave condition from Sector135 (°N) - 165 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.036



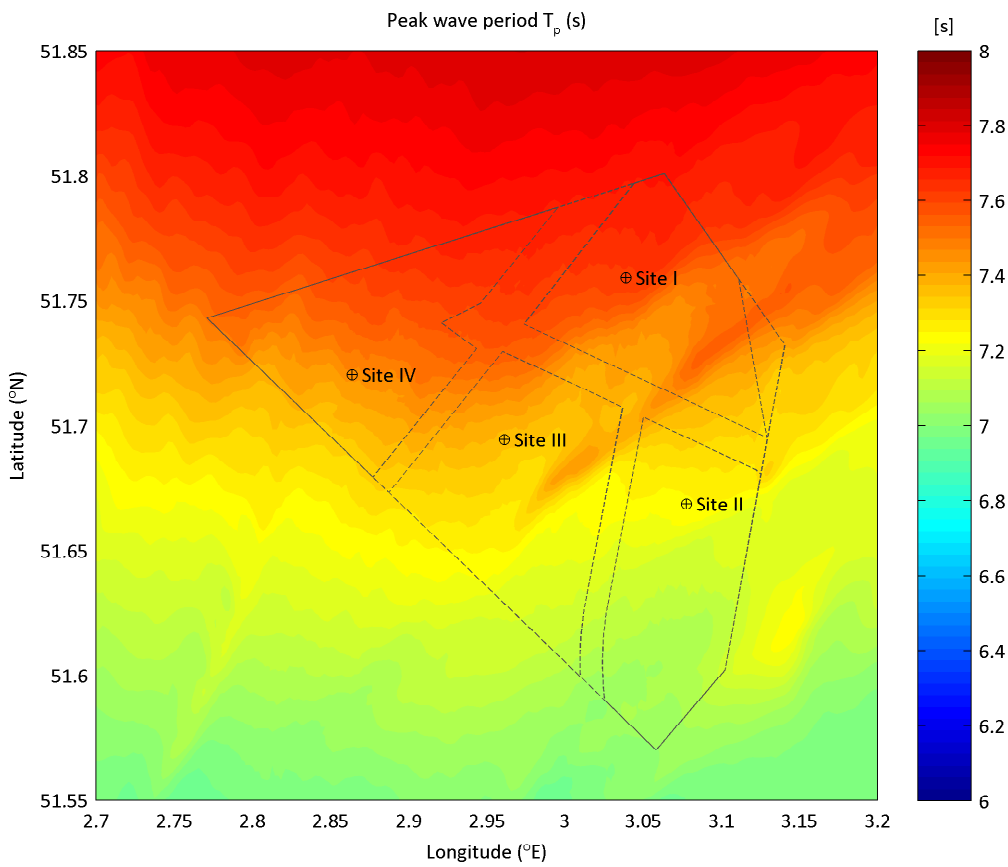
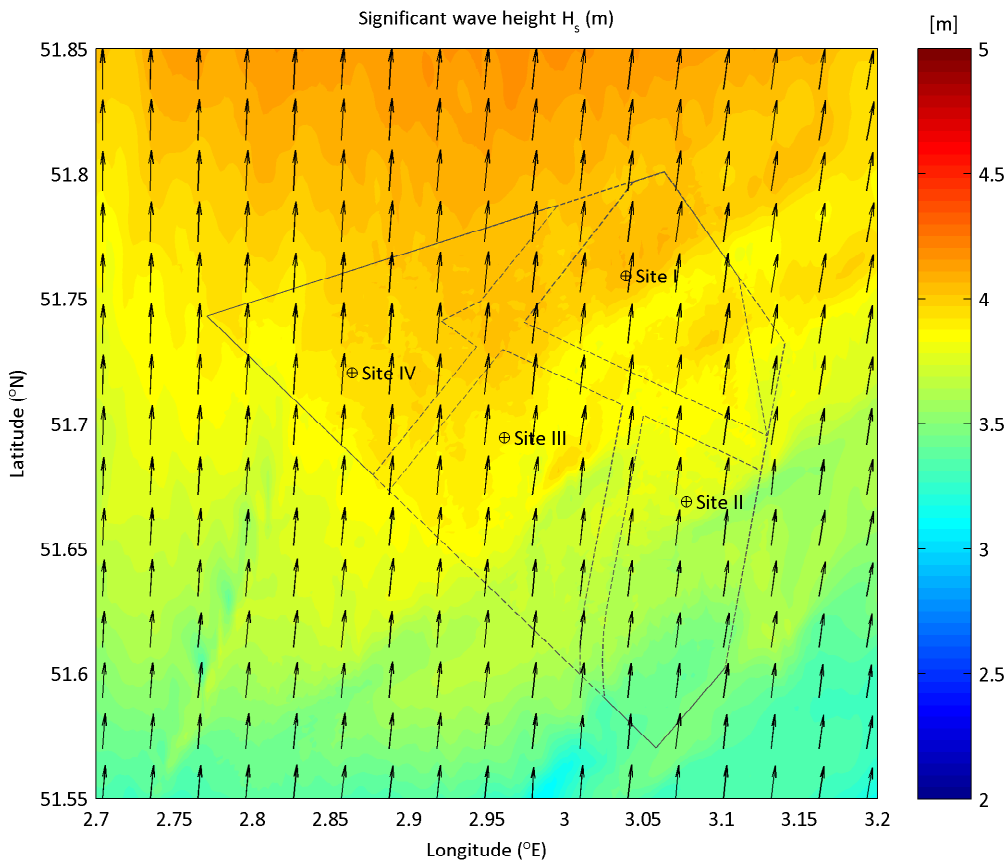
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.037



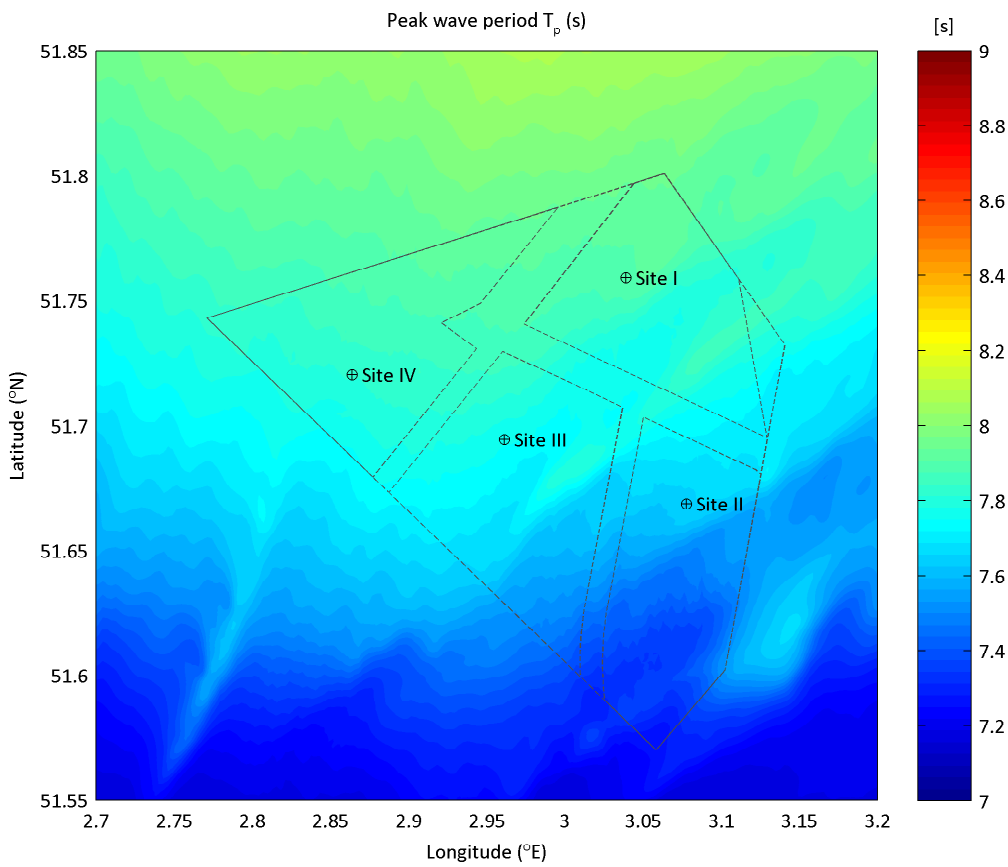
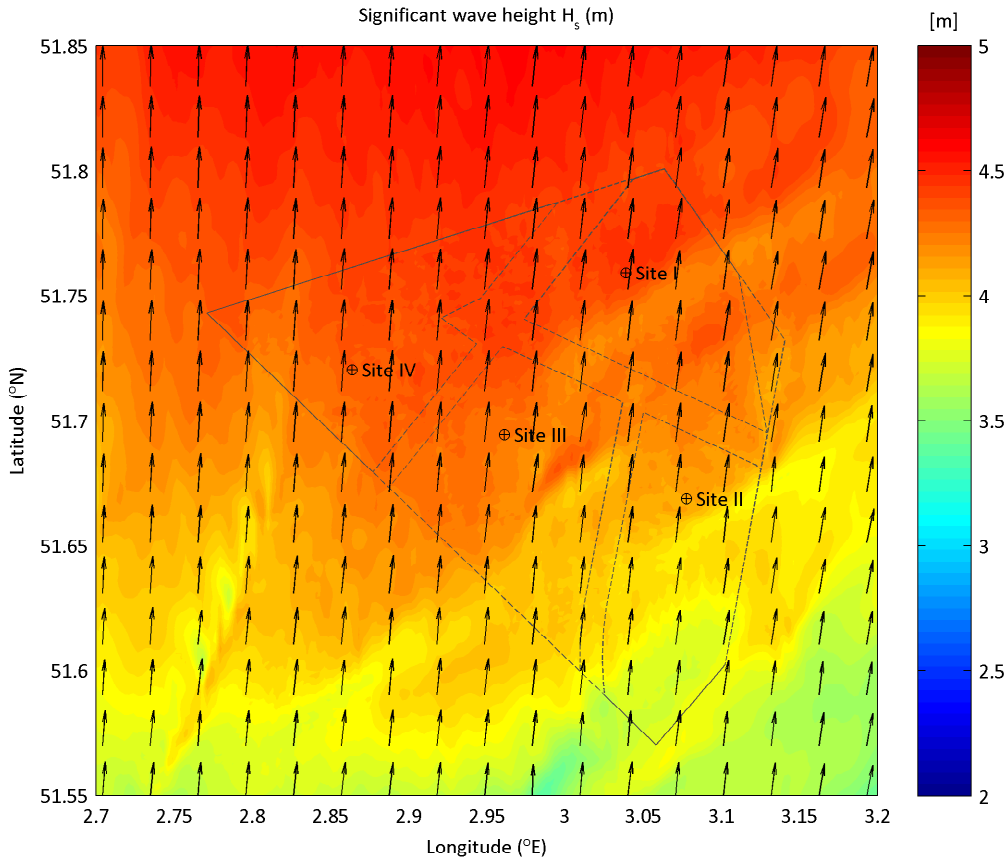
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.038



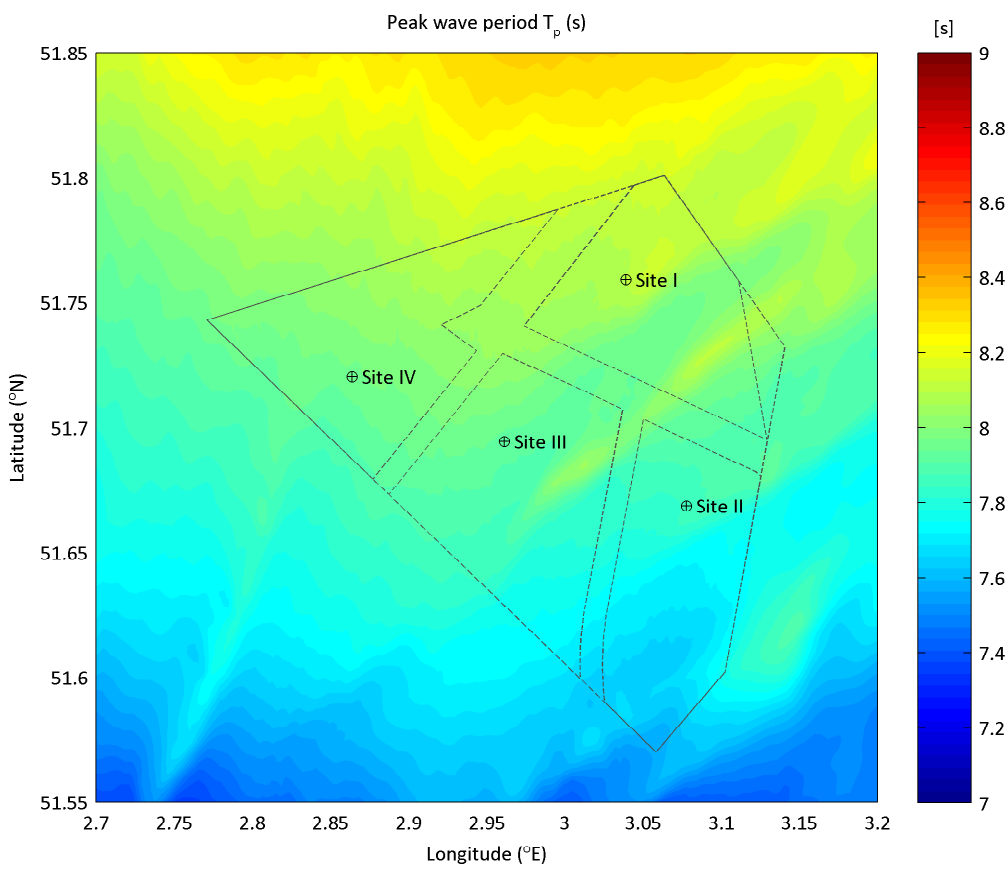
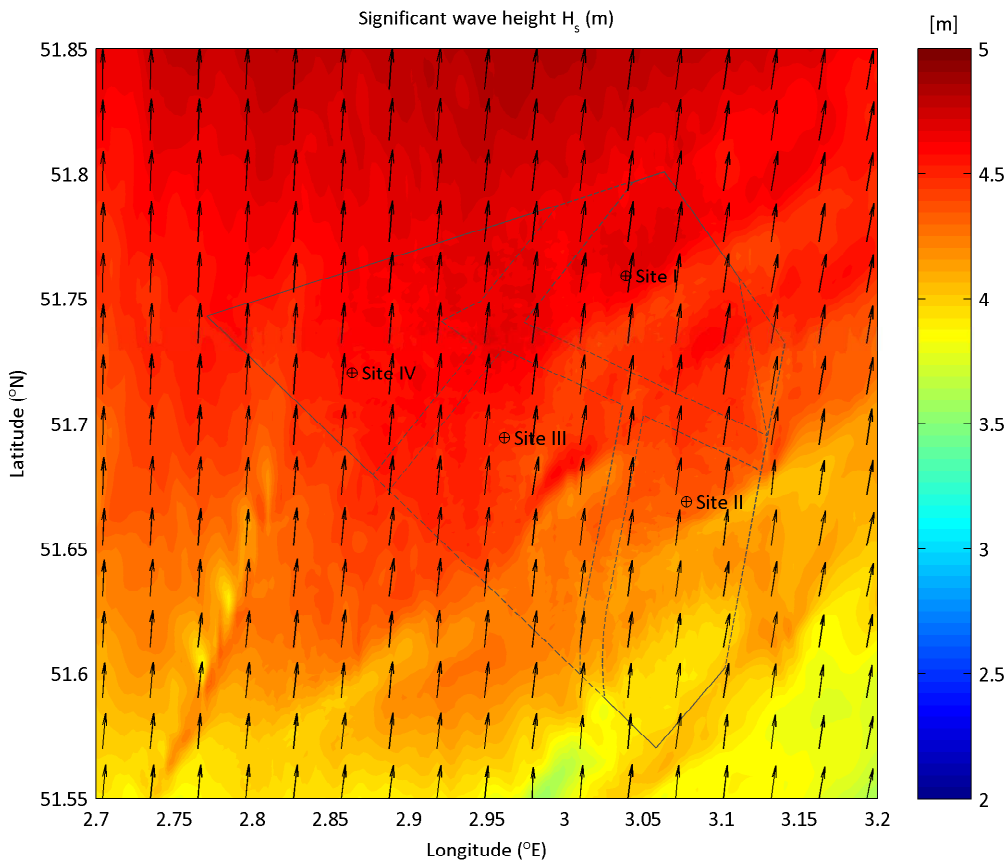
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.039



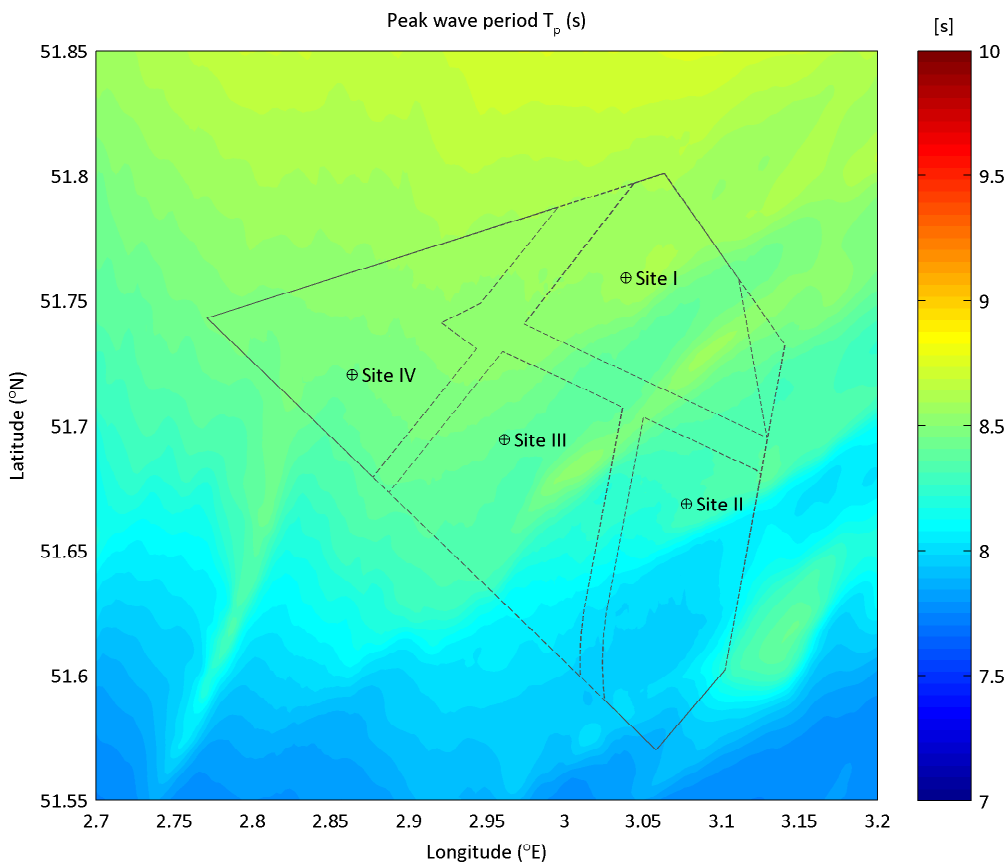
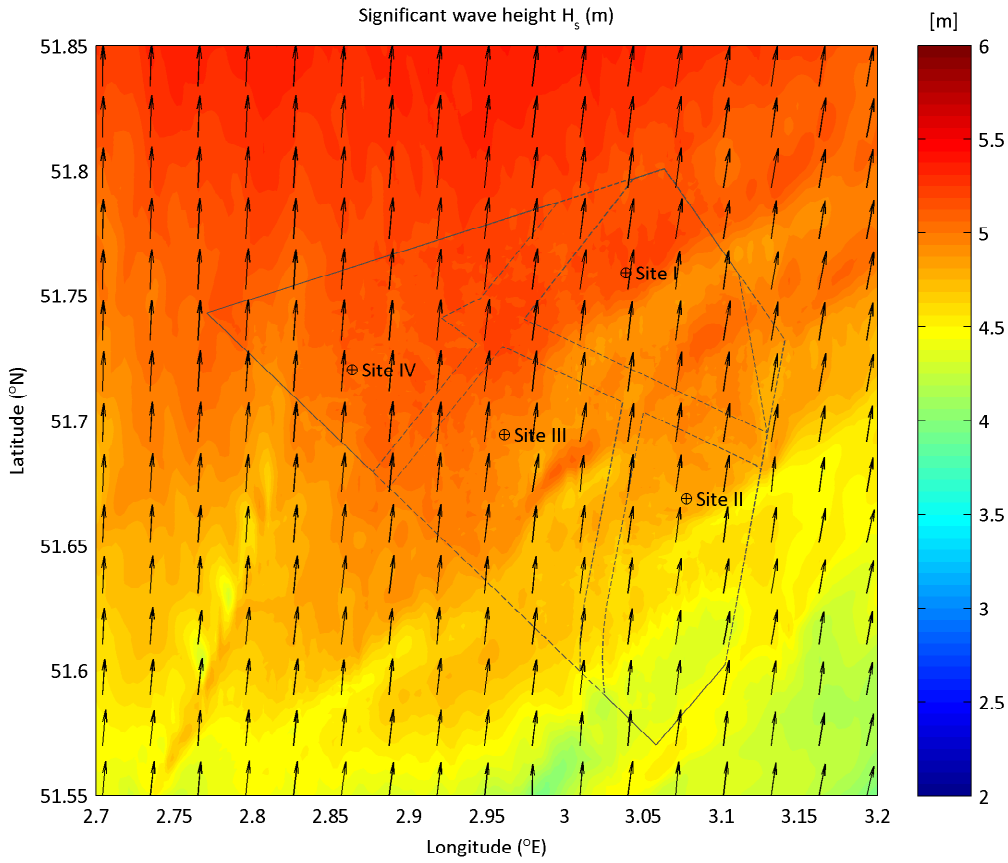
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.040



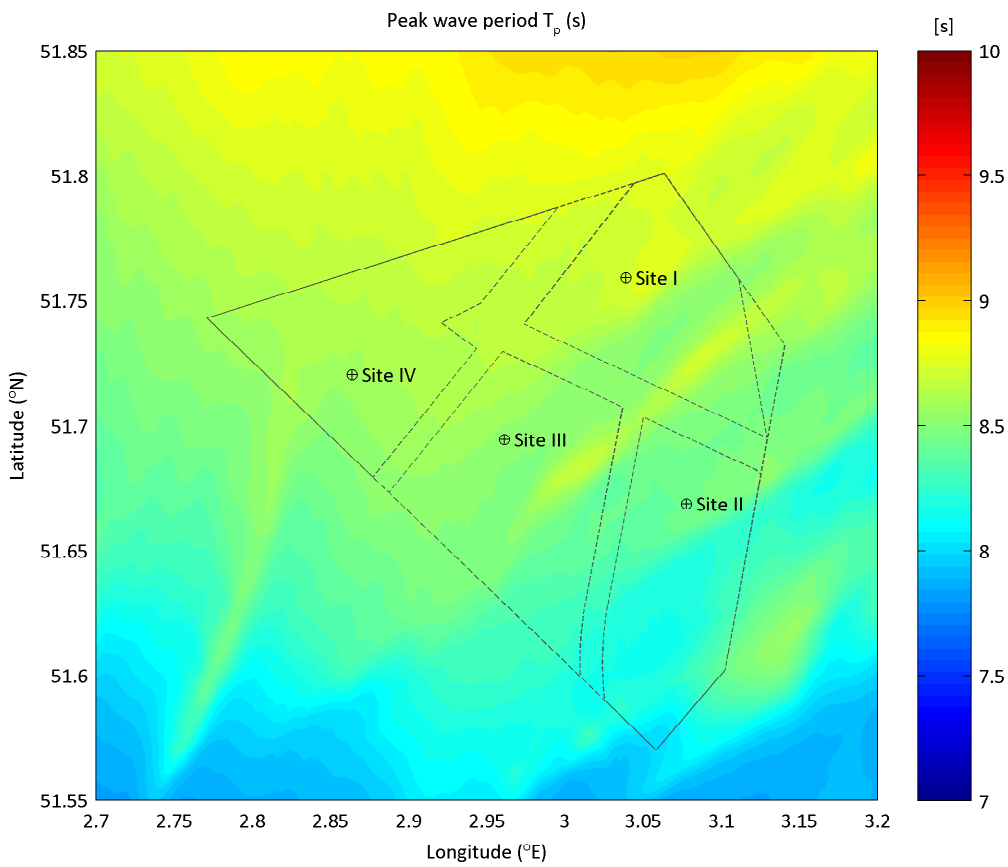
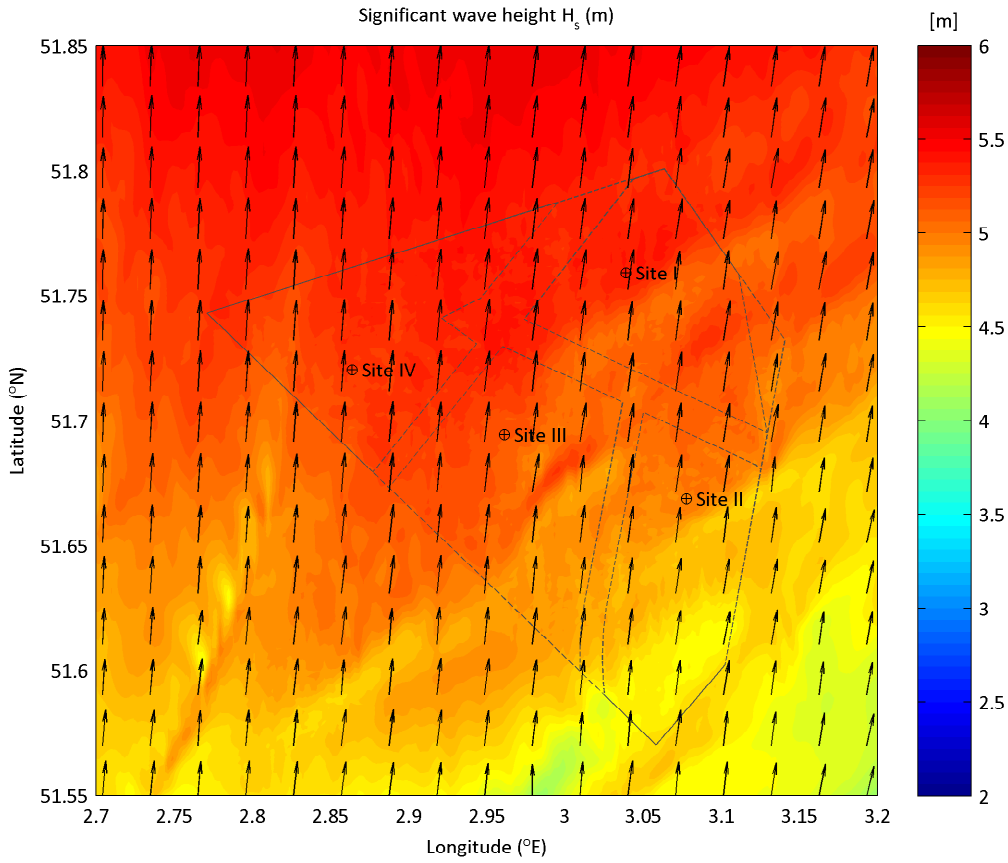
Extreme wave condition from Sector165 ($^{\circ}$ N) - 195 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.041



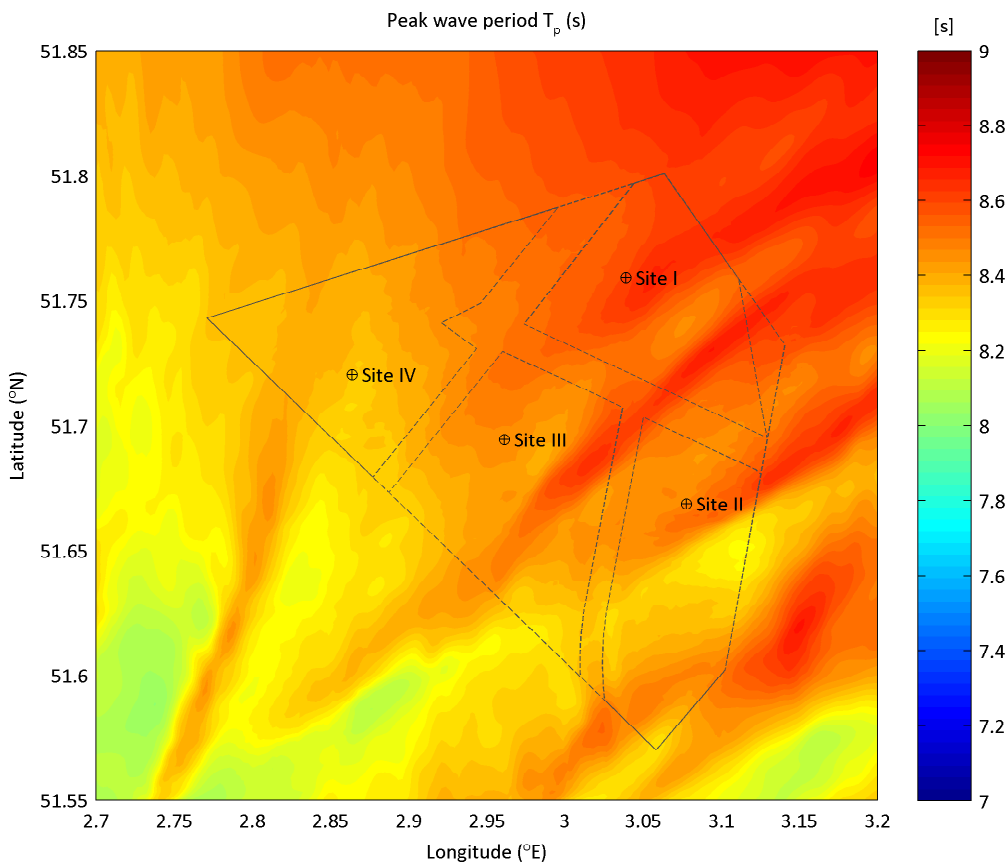
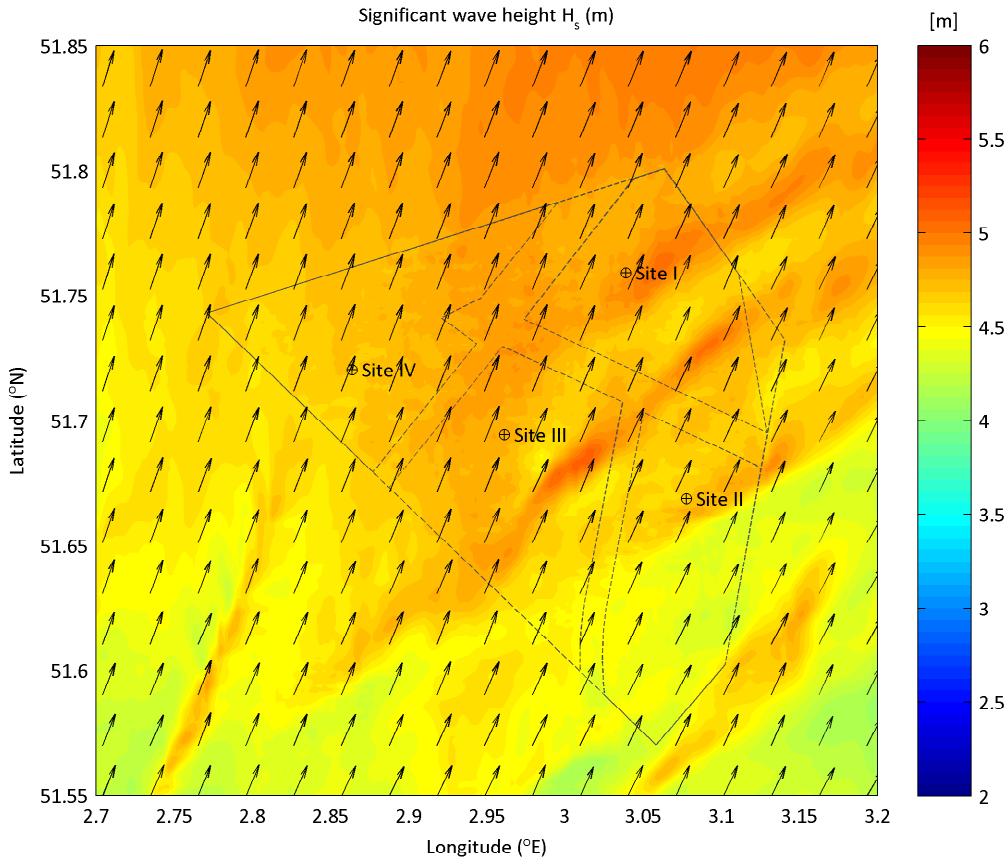
Extreme wave condition from Sector165 (°N) - 195 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.042



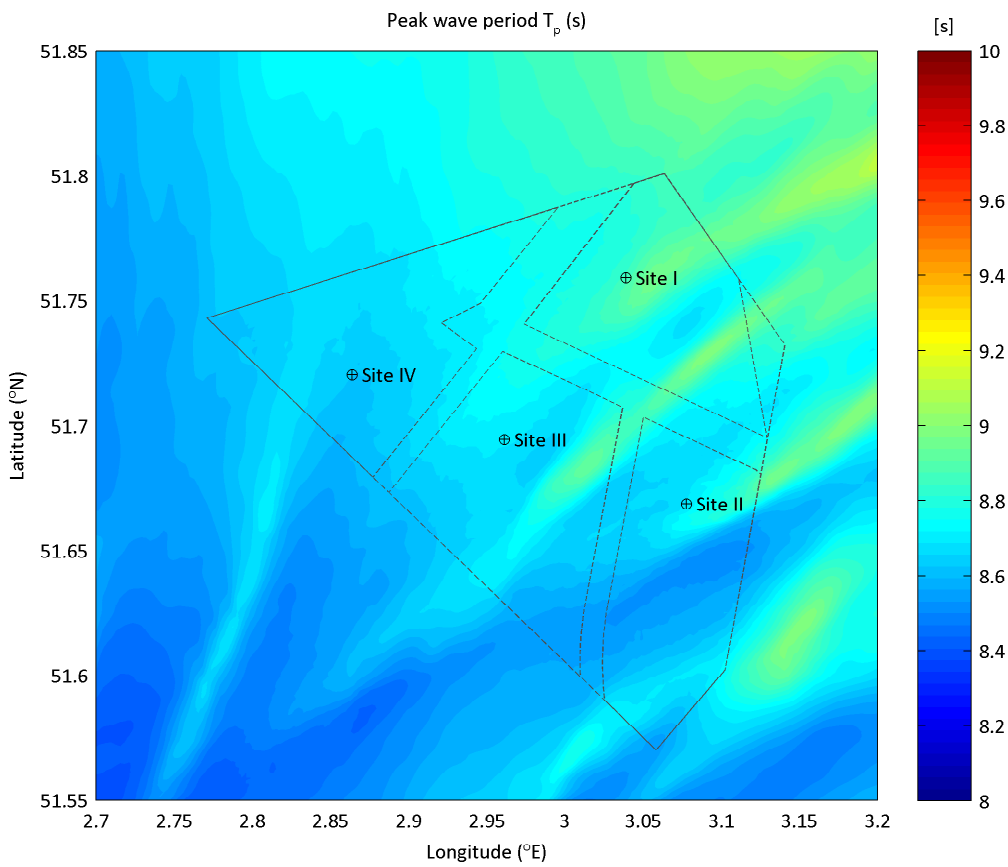
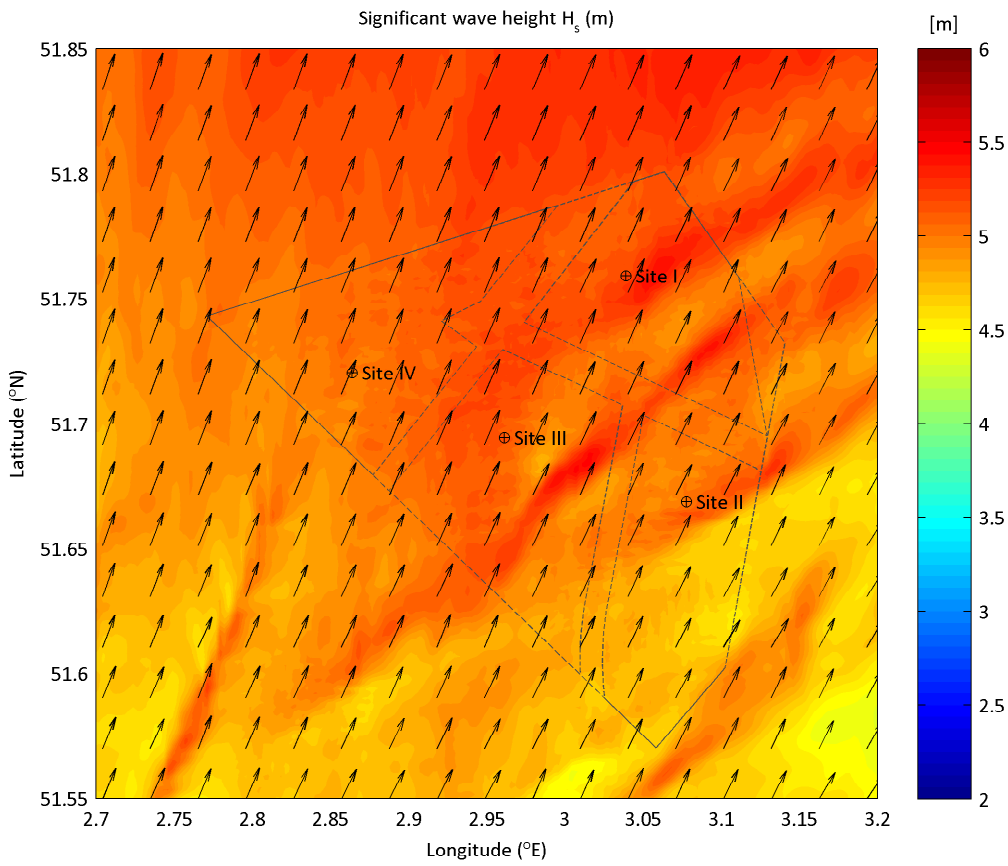
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.043



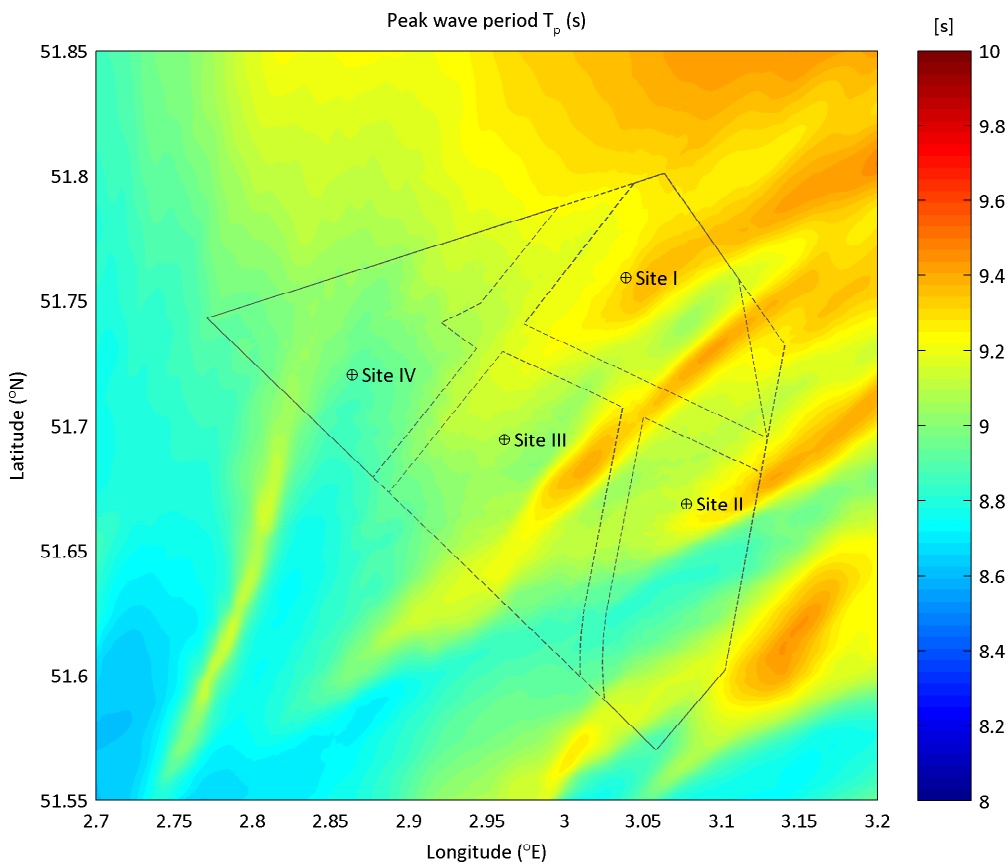
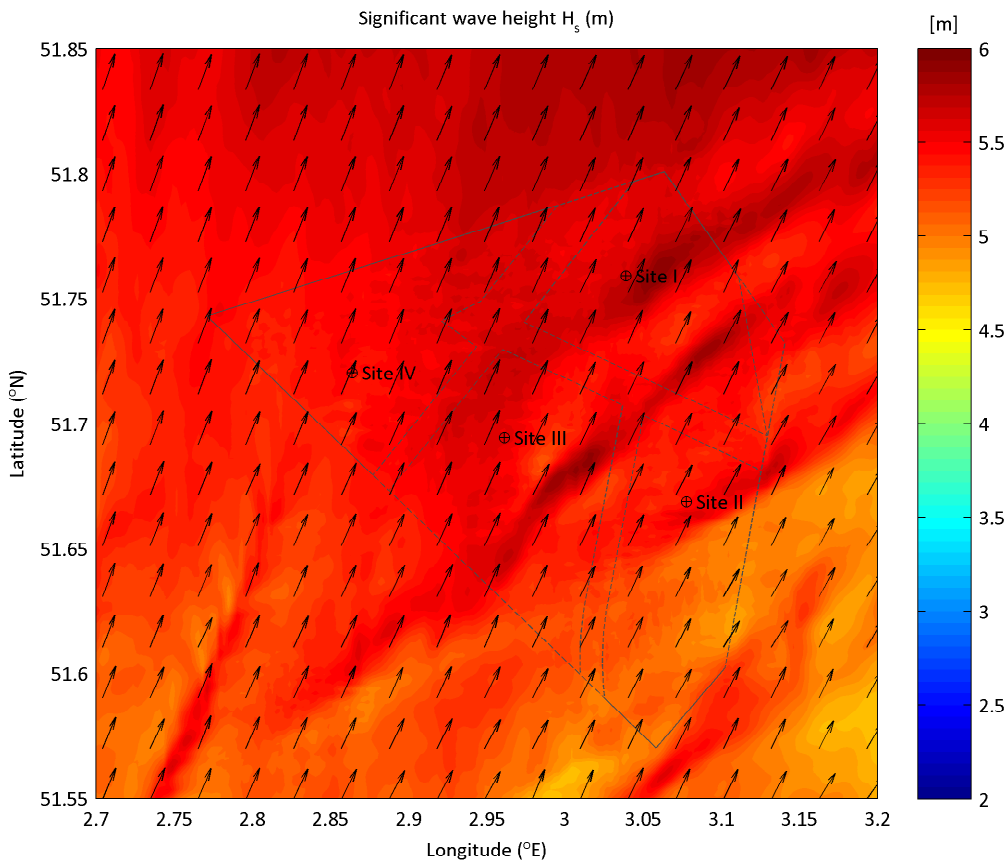
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.044



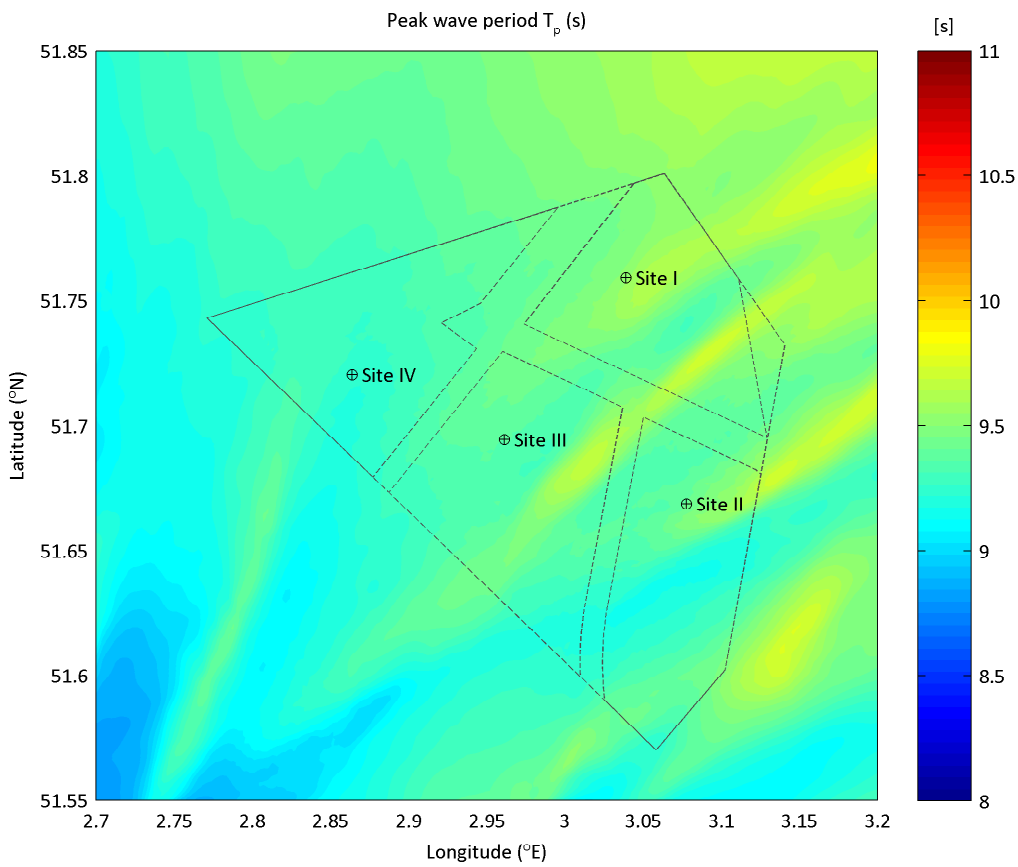
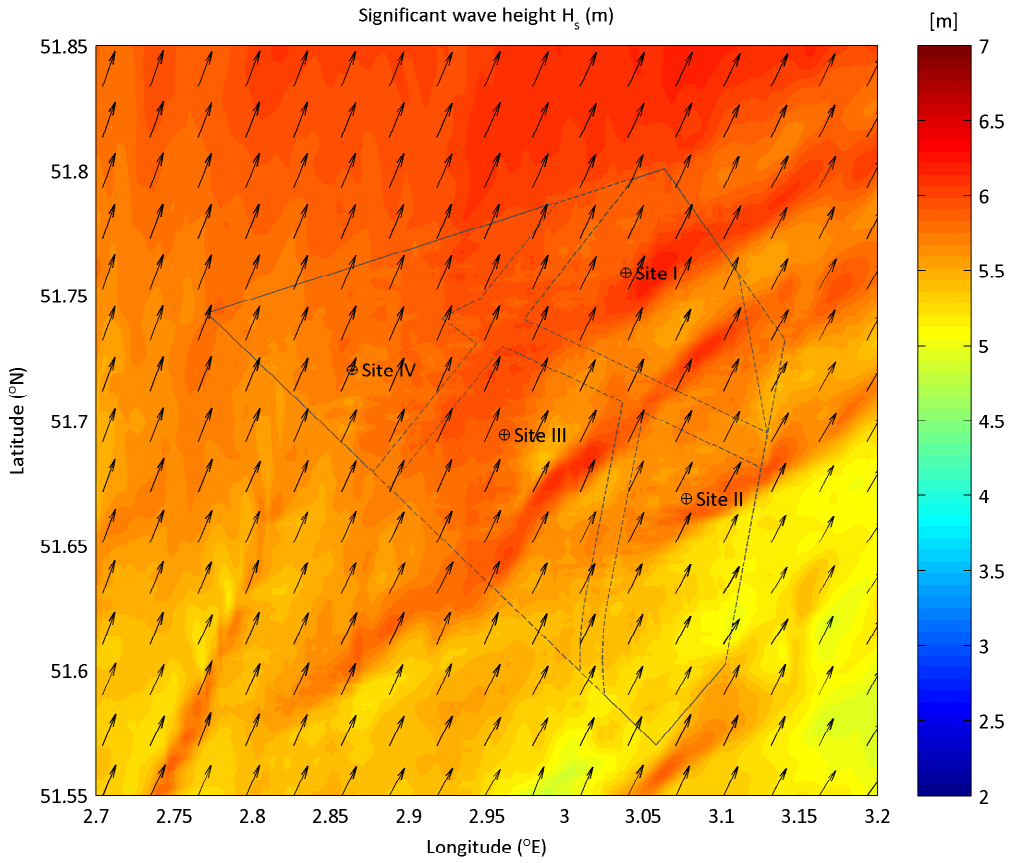
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.045



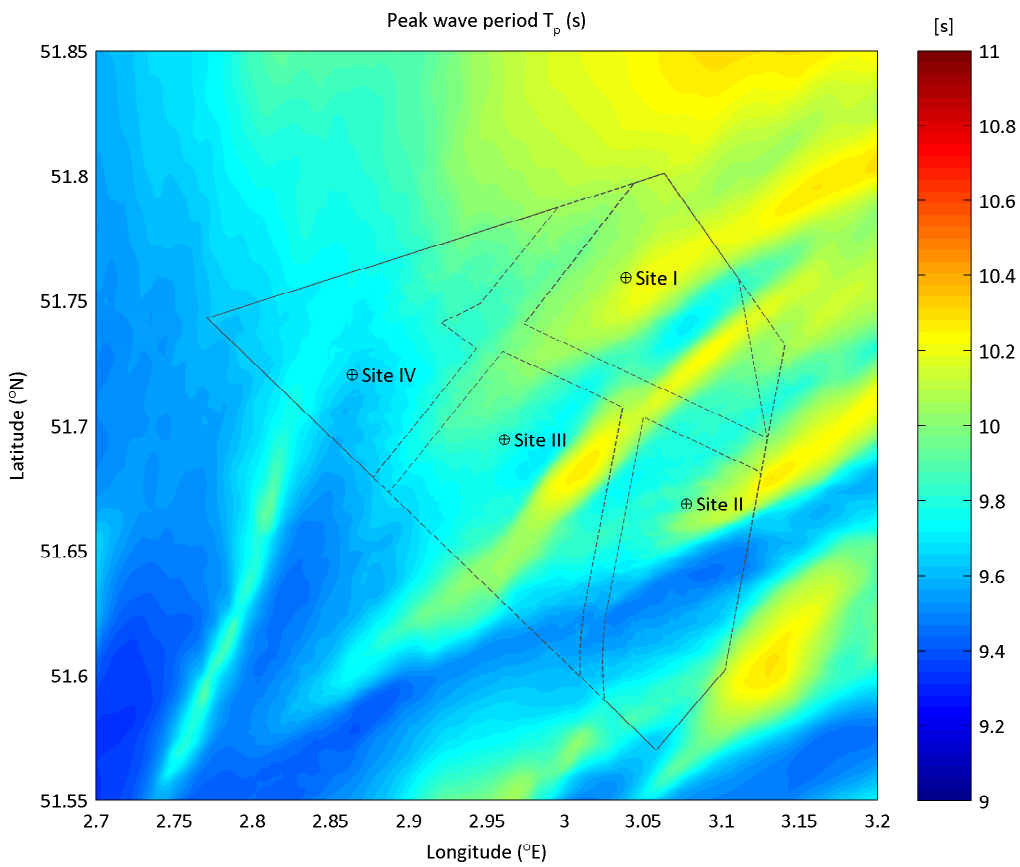
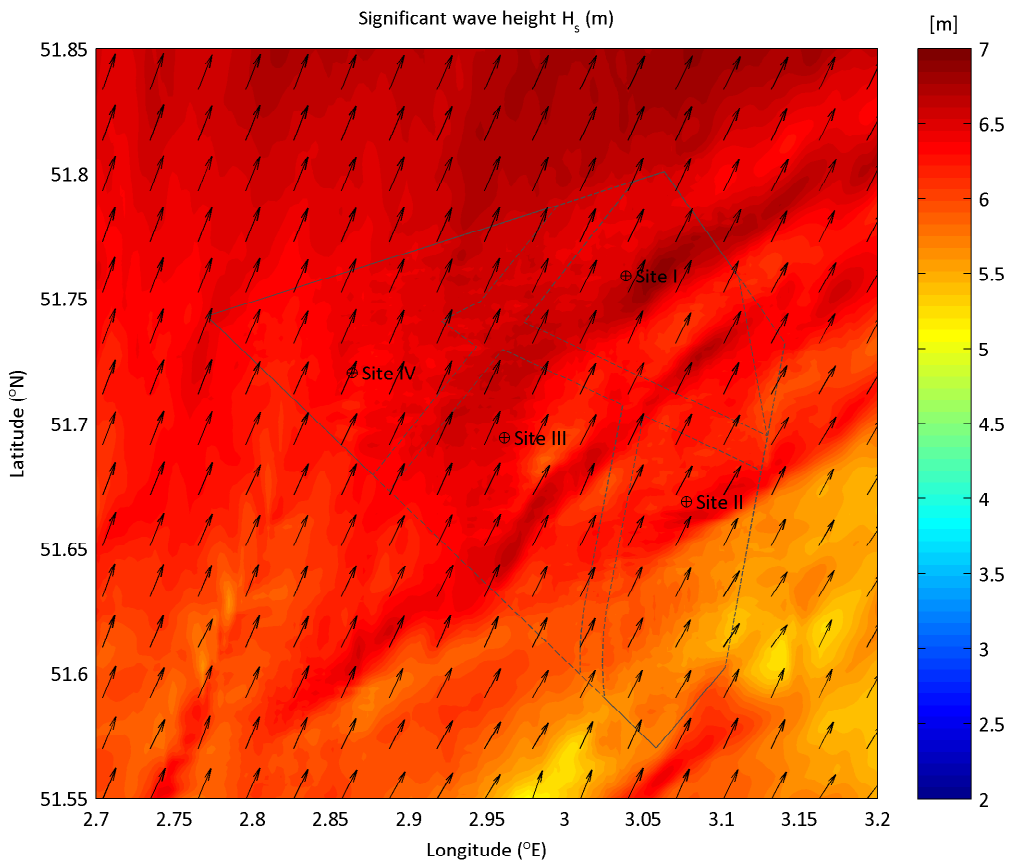
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.046



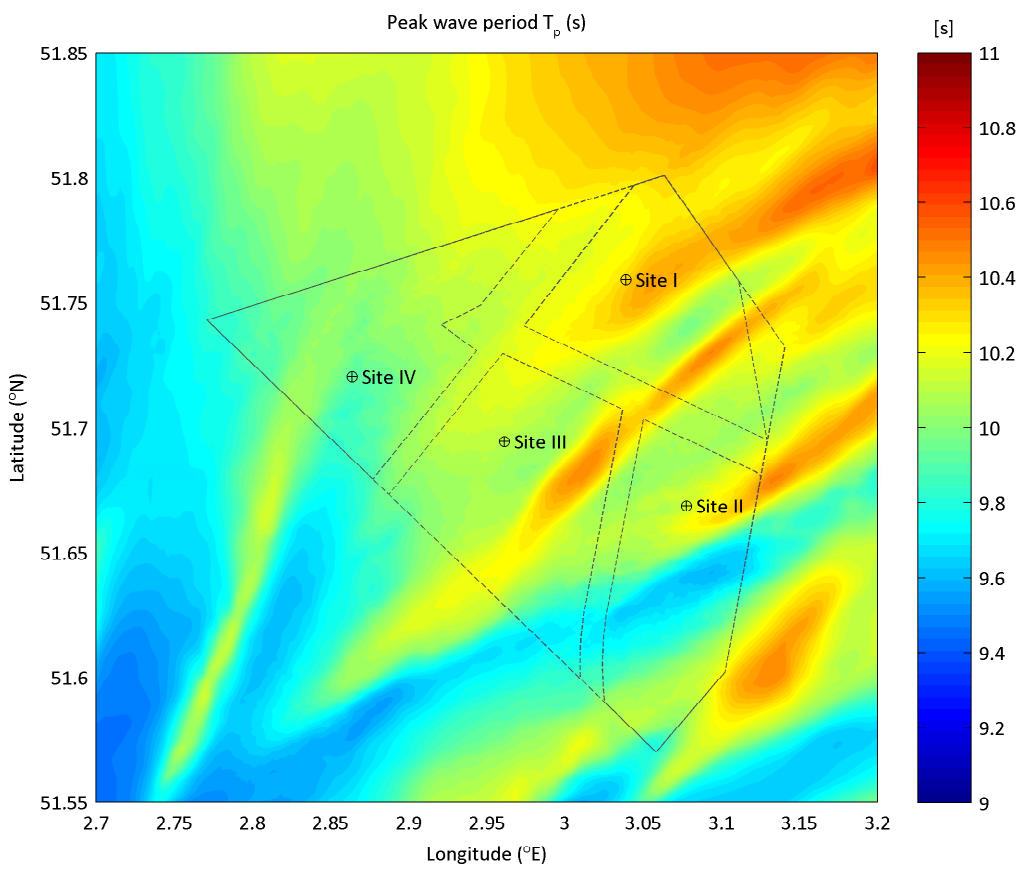
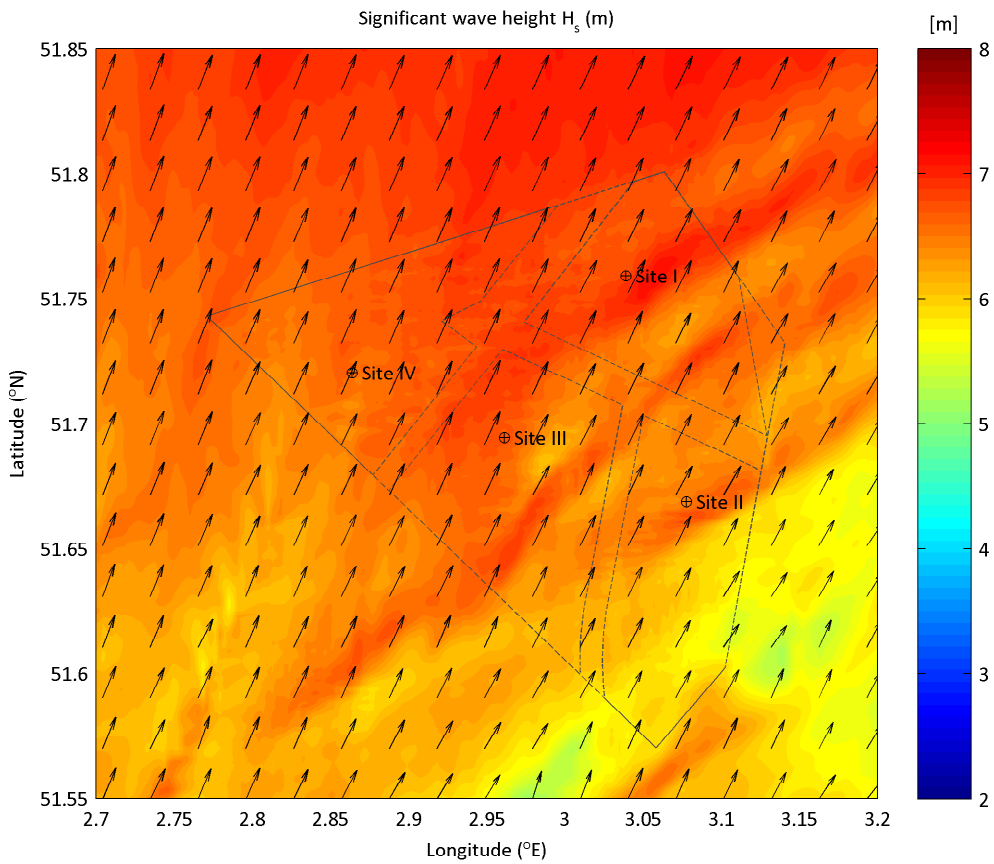
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.047



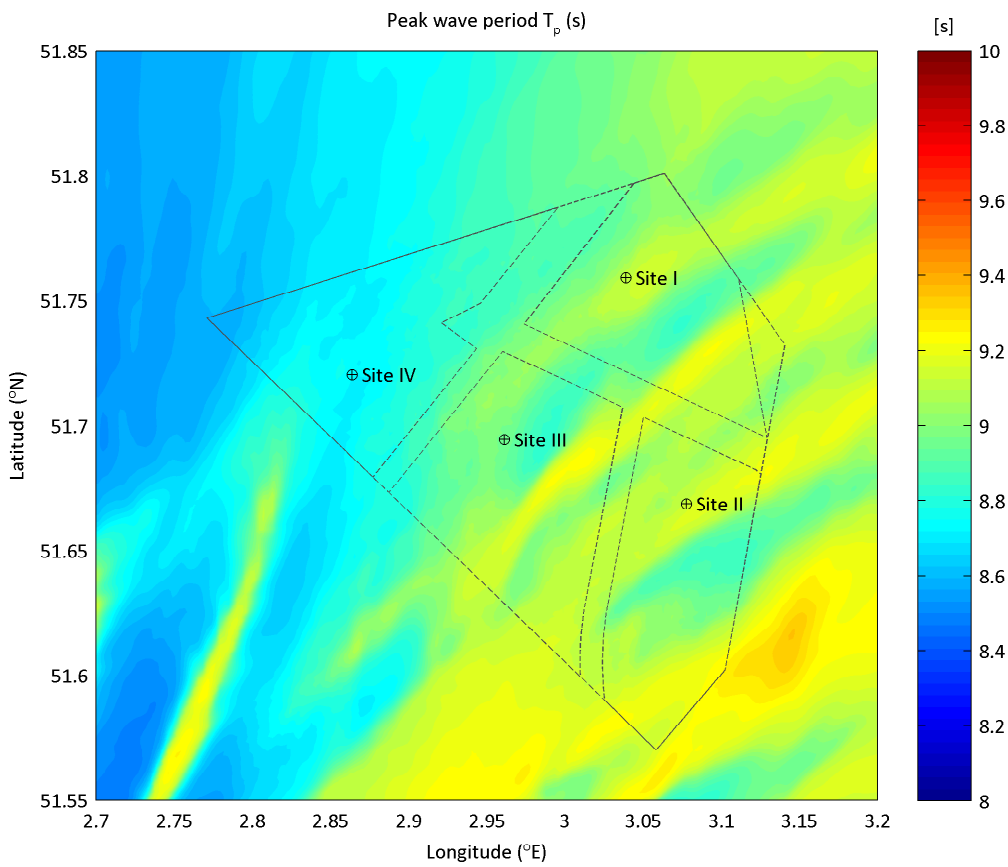
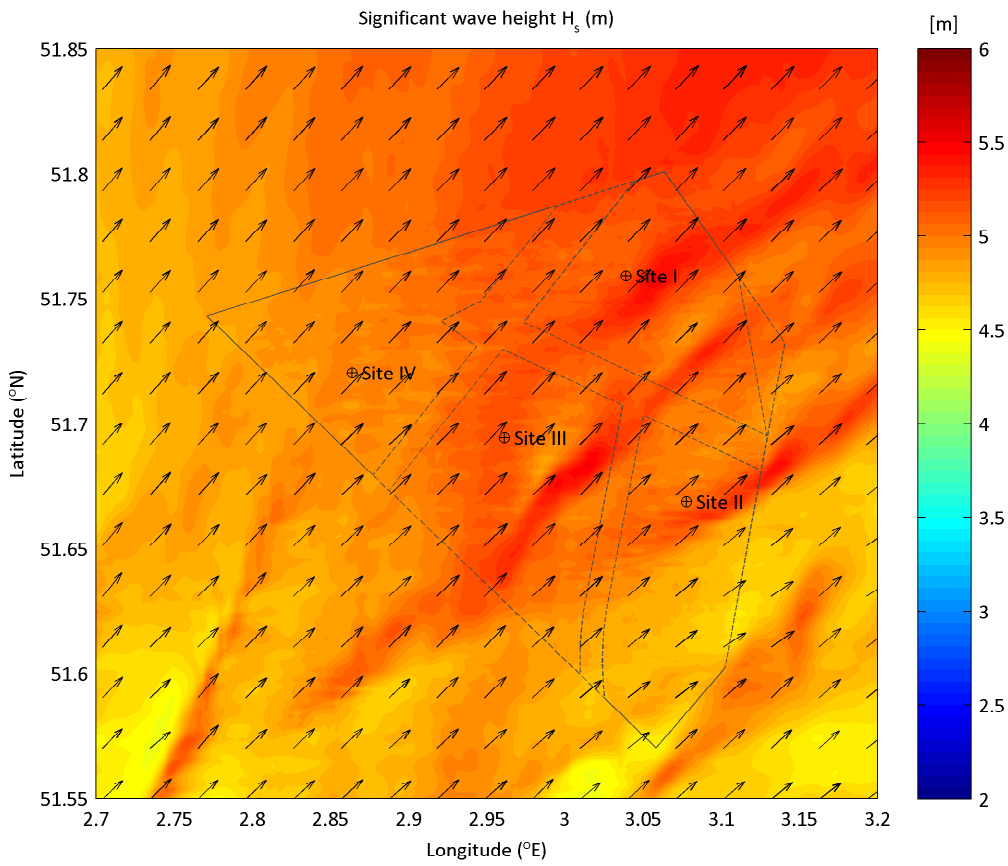
Extreme wave condition from Sector195 ($^{\circ}$ N) - 225 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.048



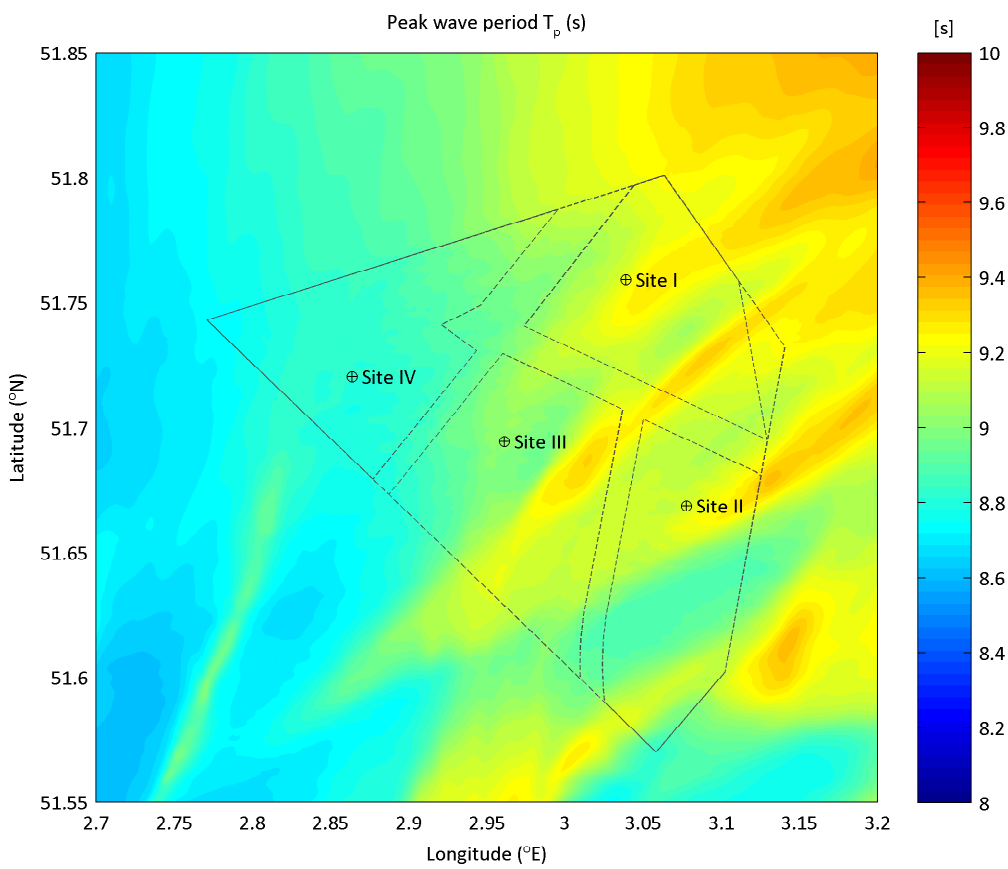
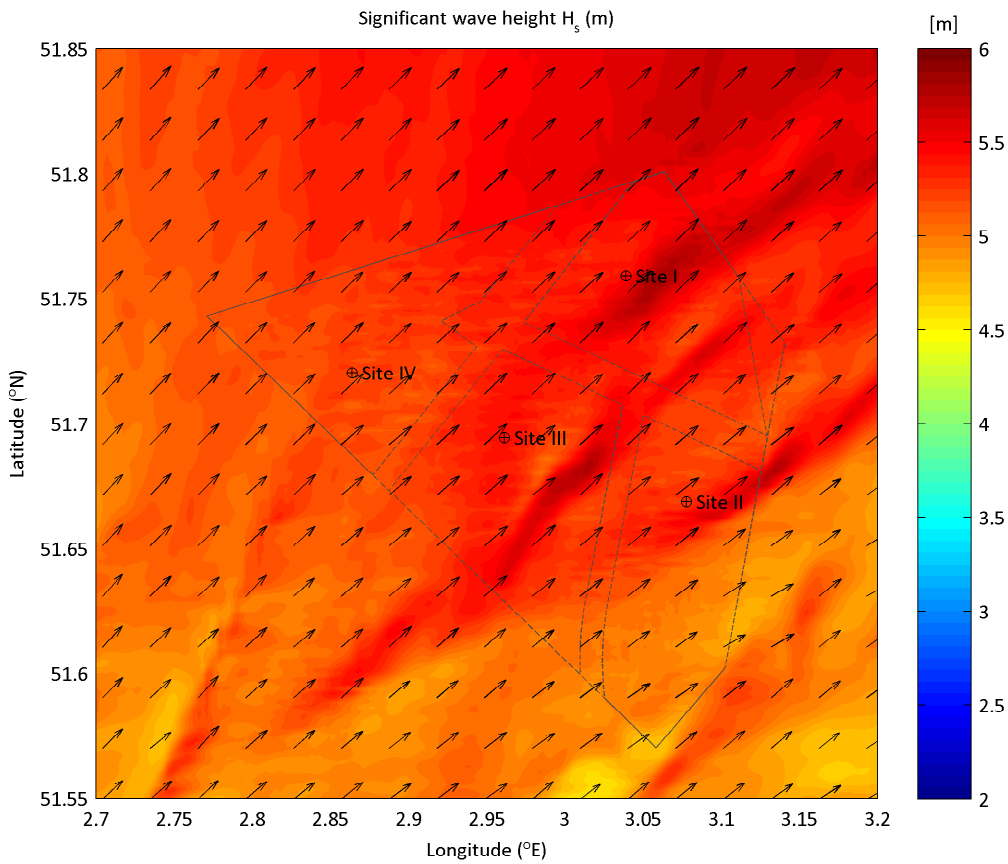
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.049



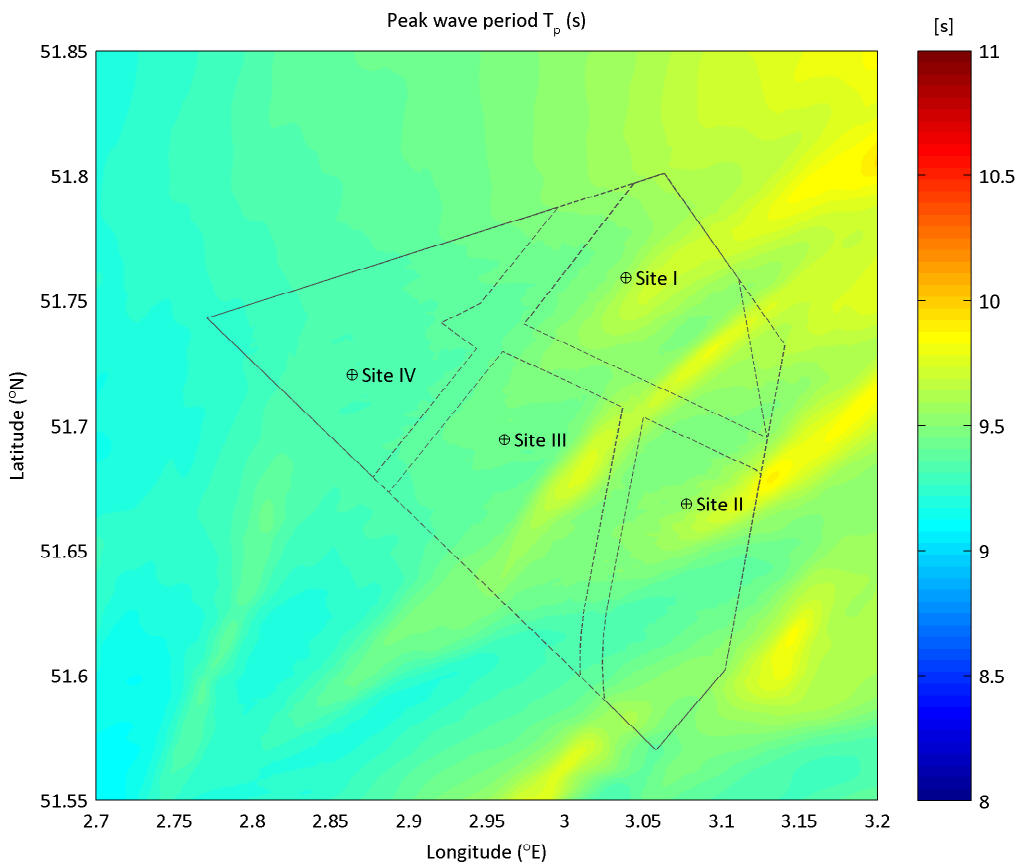
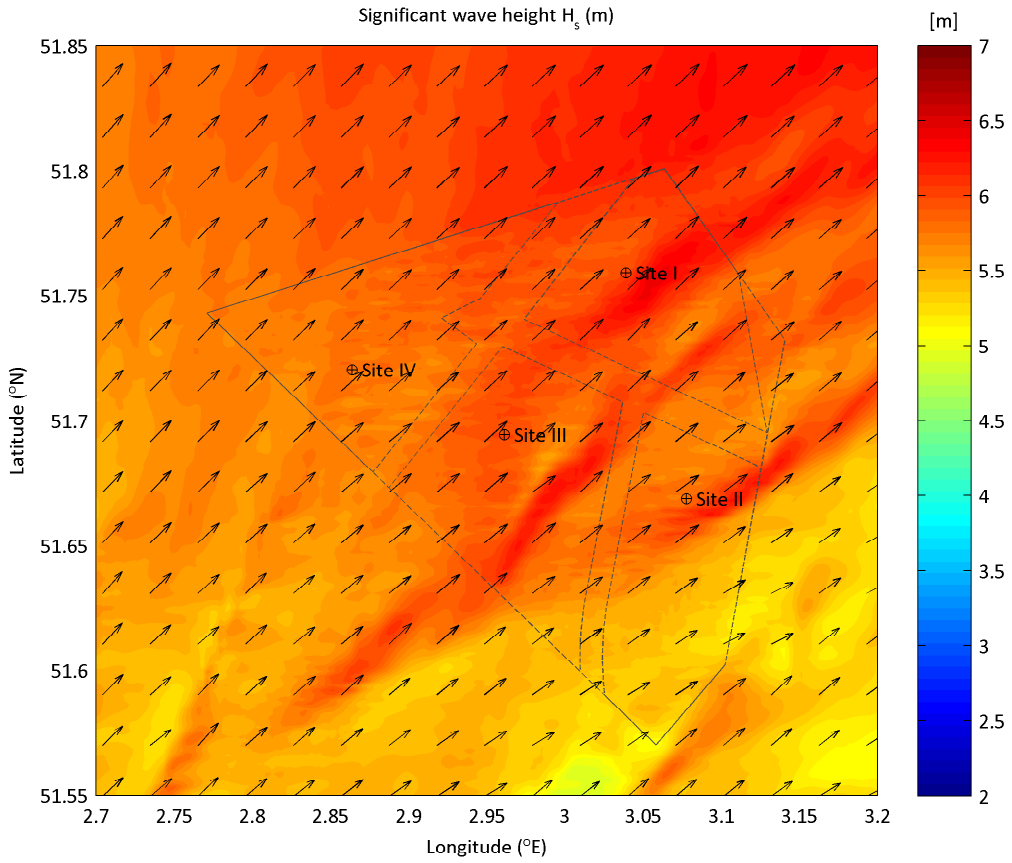
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.050



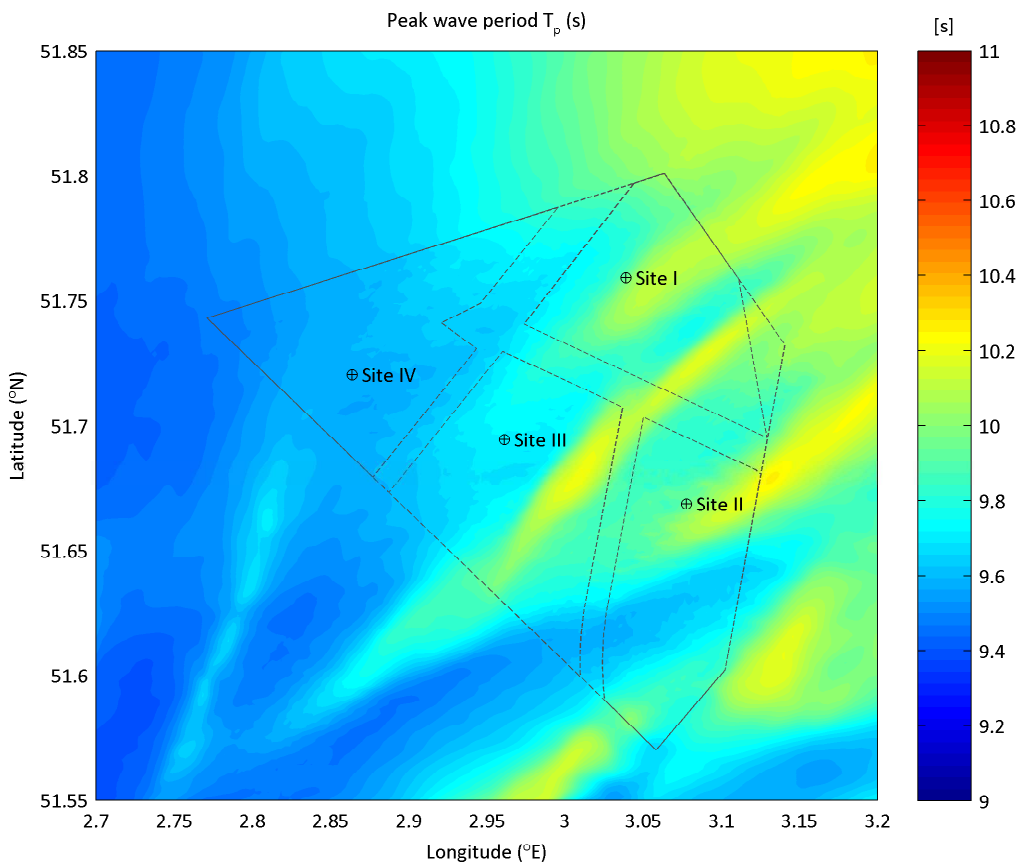
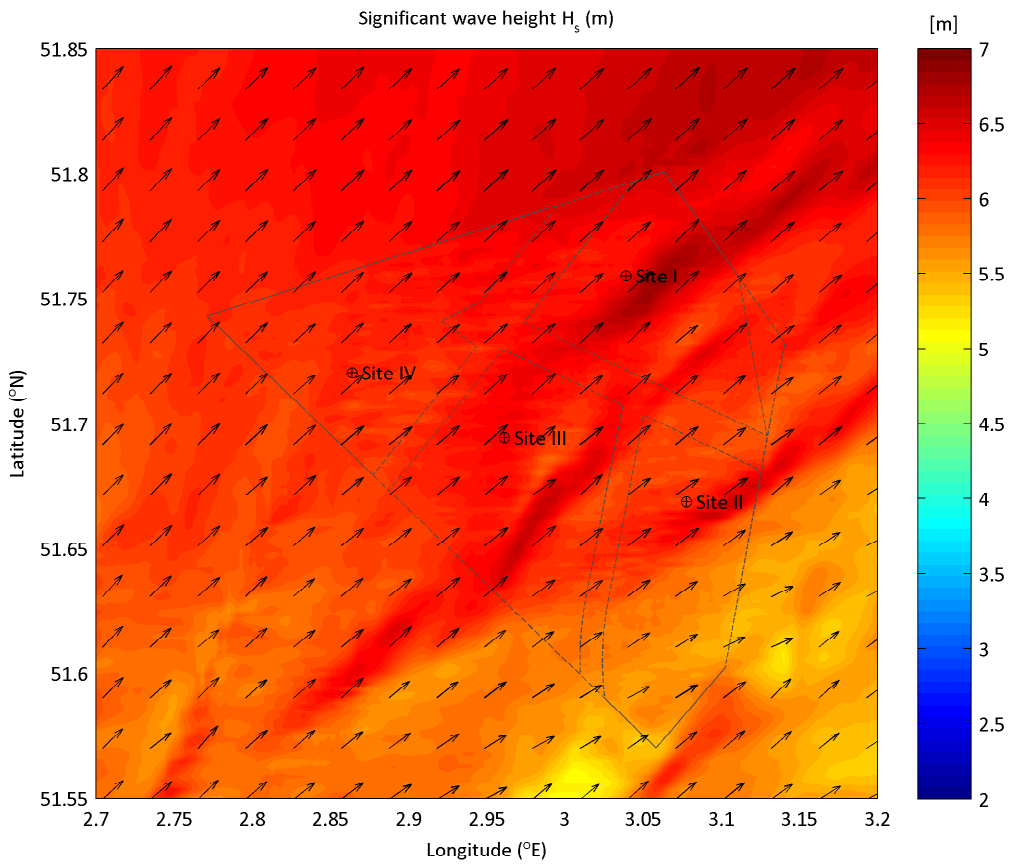
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.051



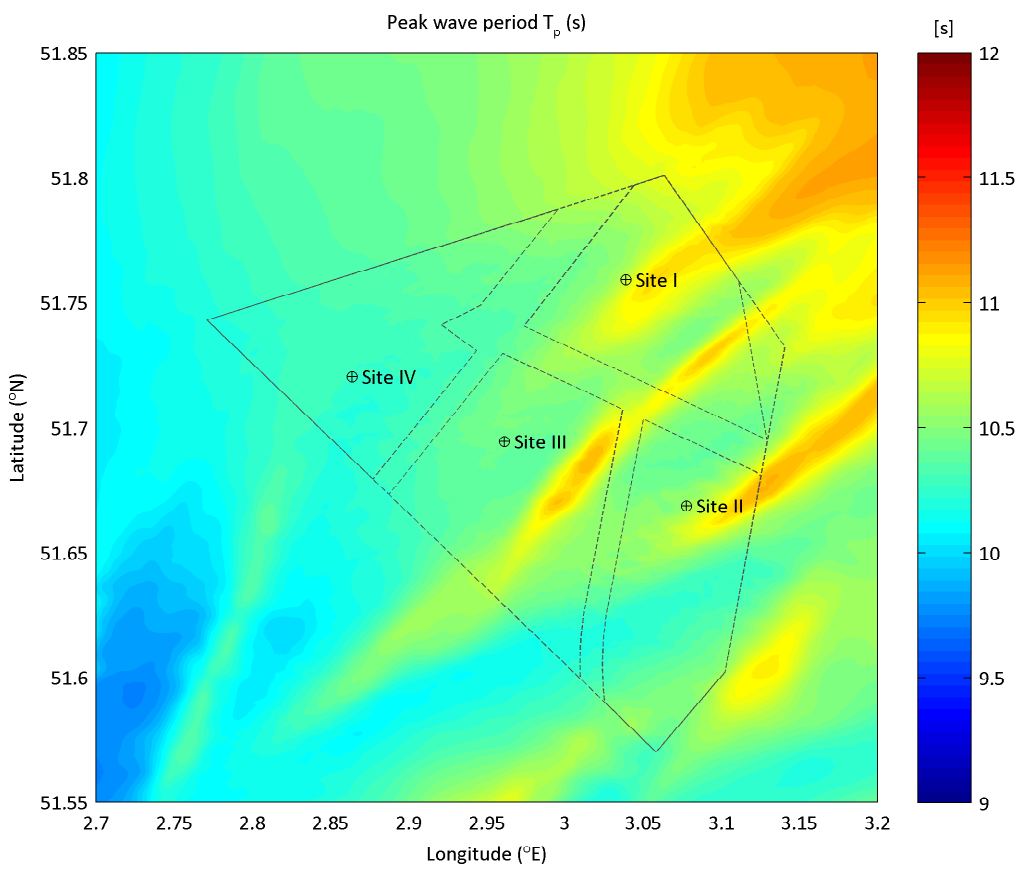
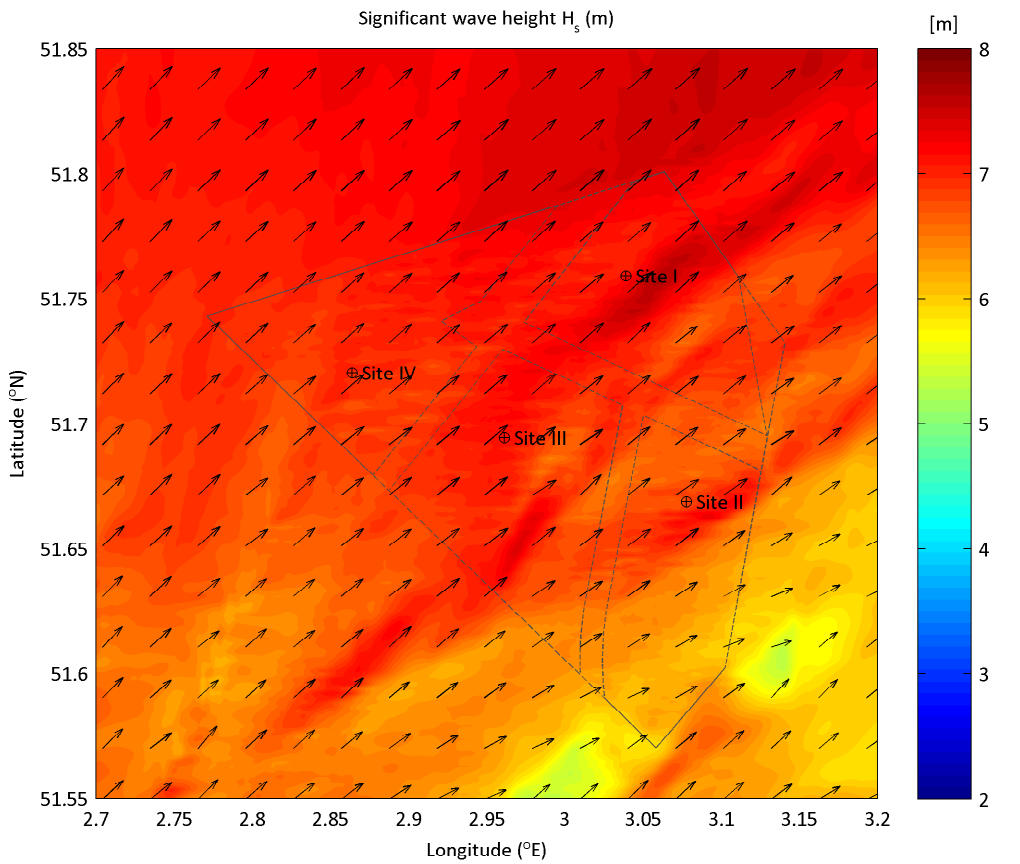
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.052



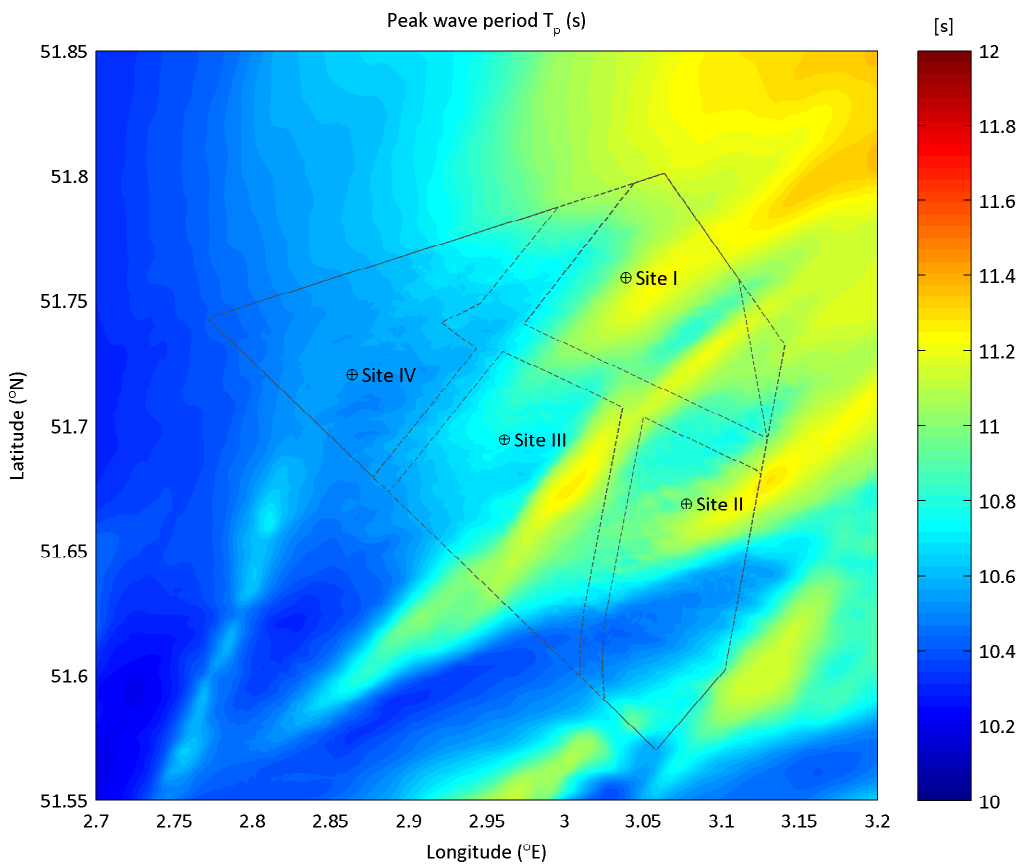
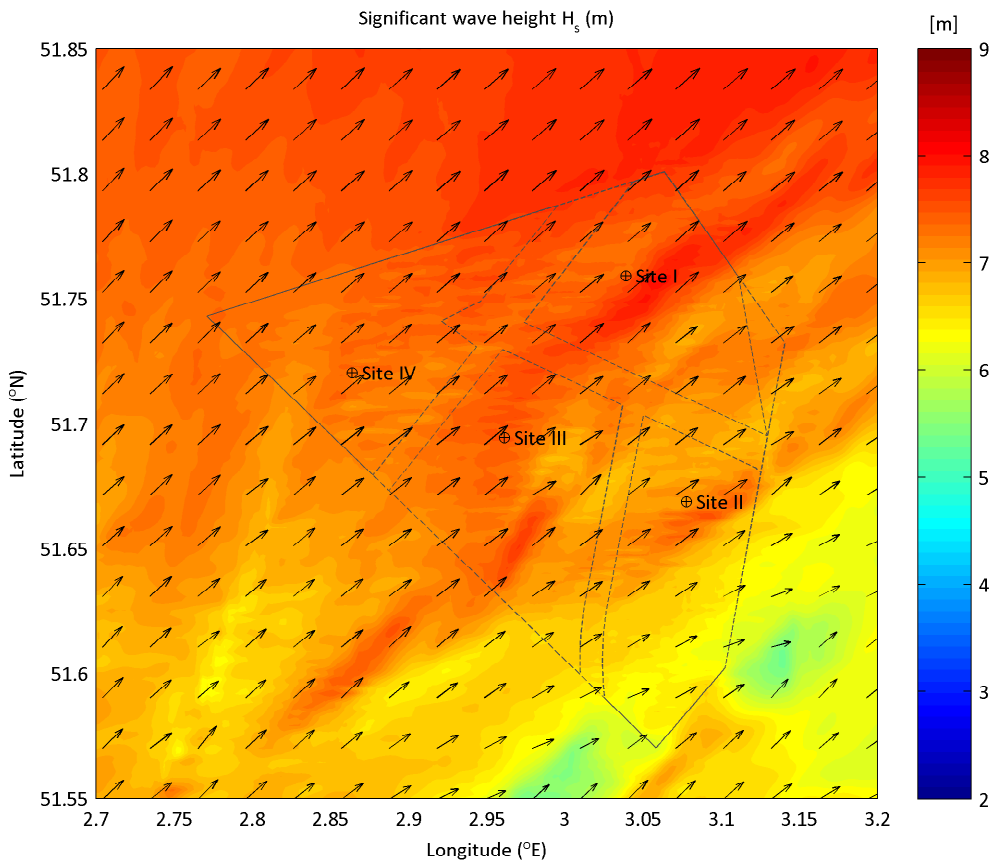
Extreme wave condition from Sector225 ($^{\circ}$ N) - 255 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.053



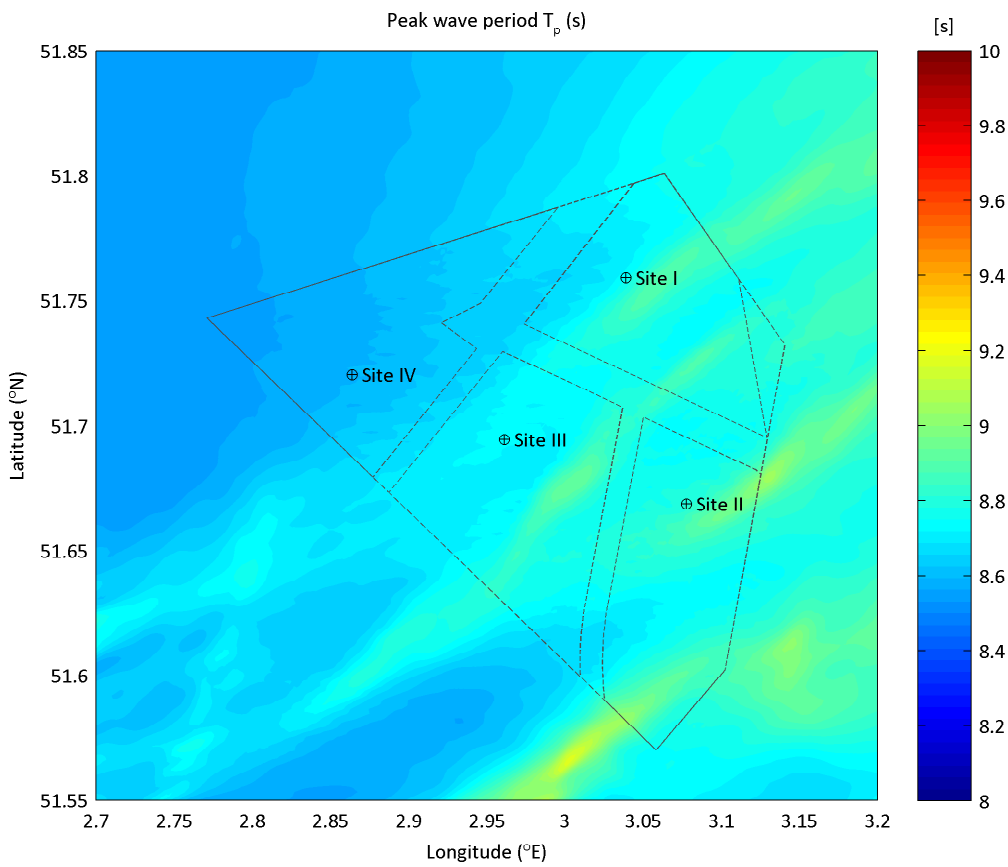
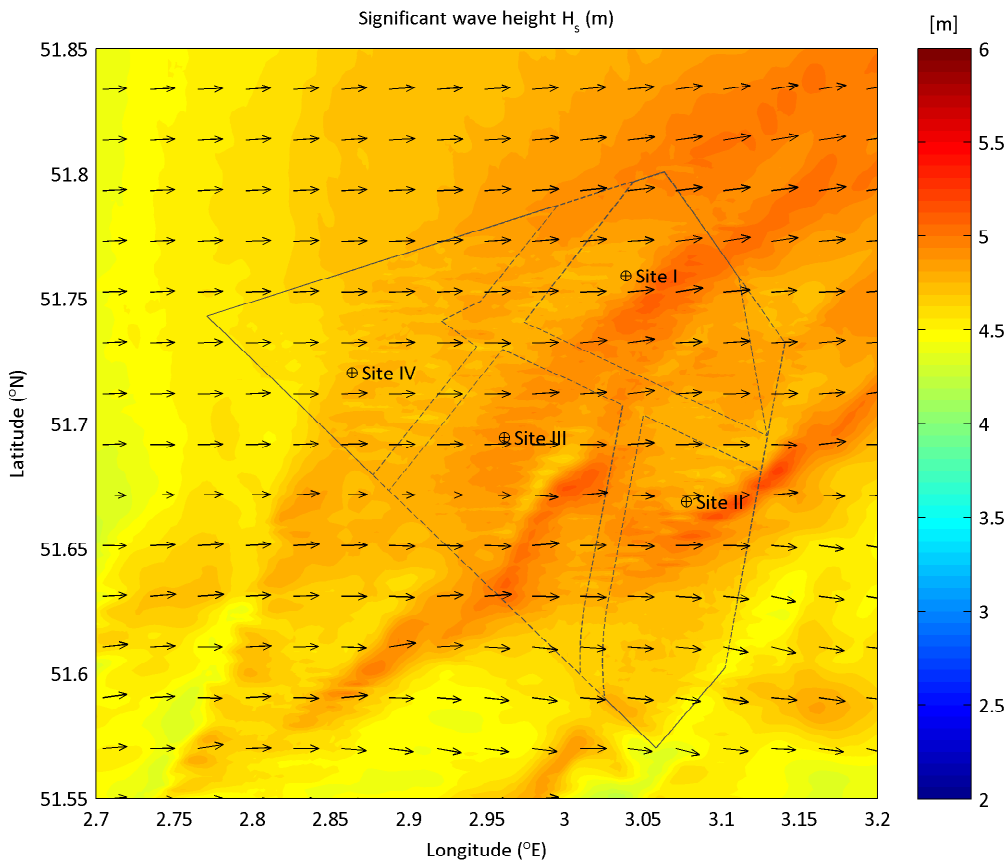
Extreme wave condition from Sector225 (°N) - 255 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.054



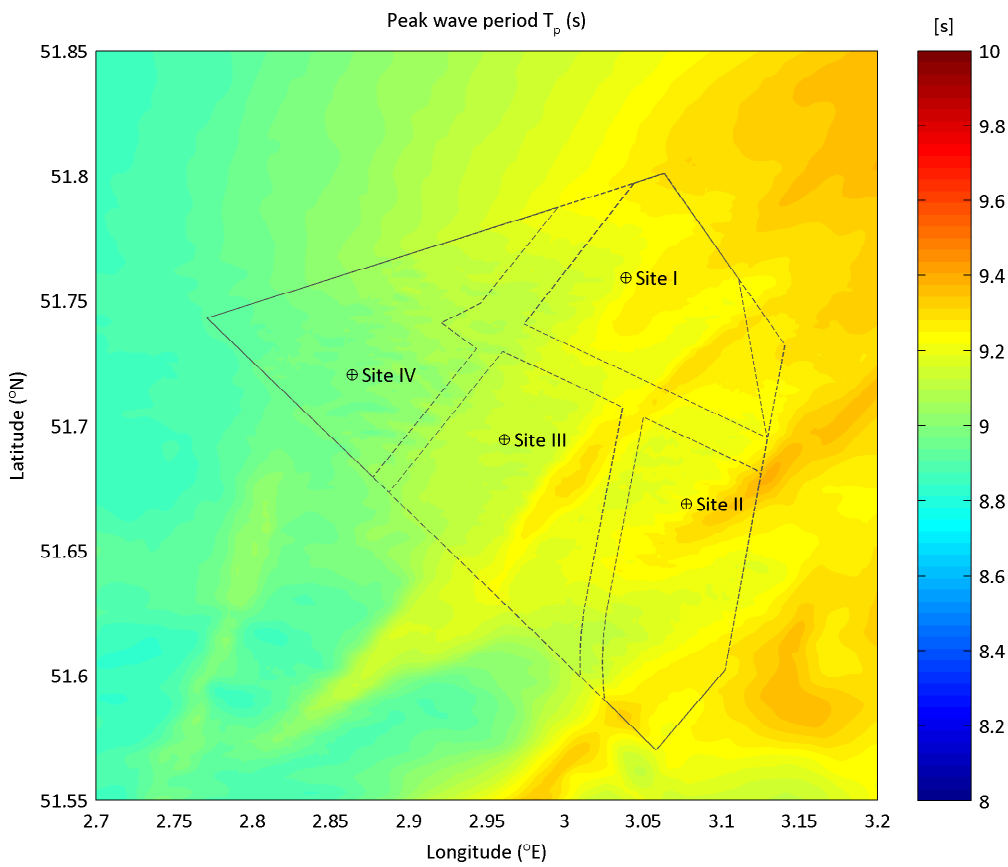
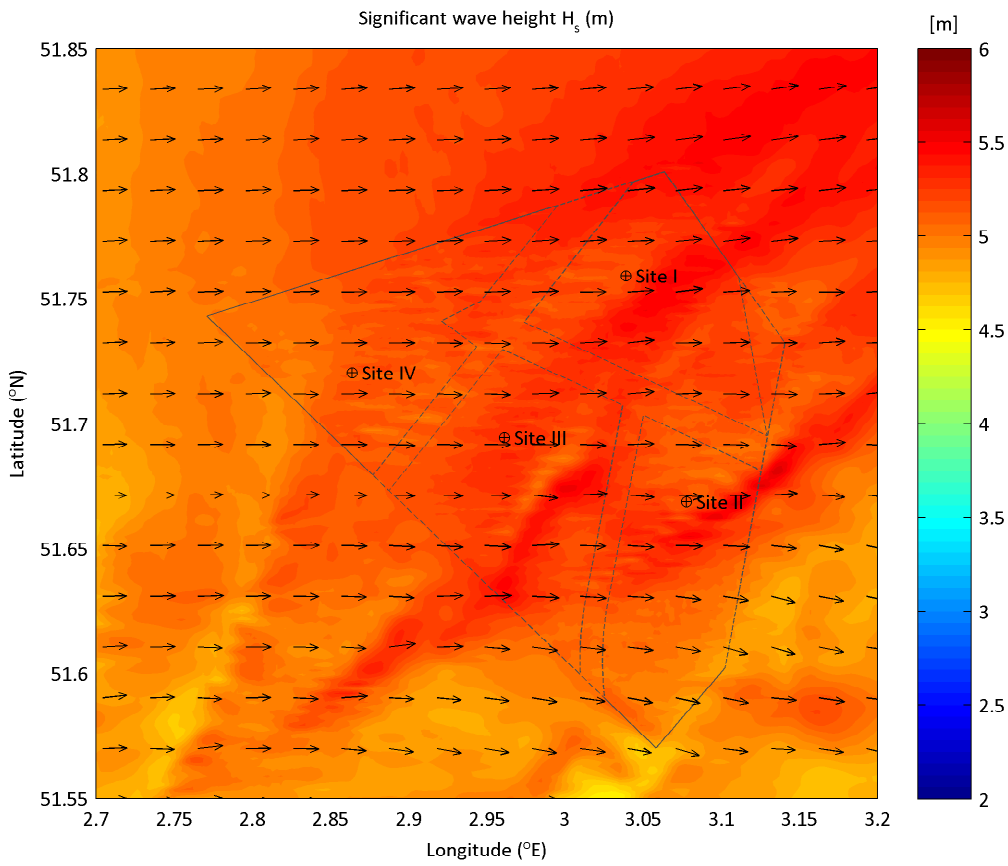
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.055



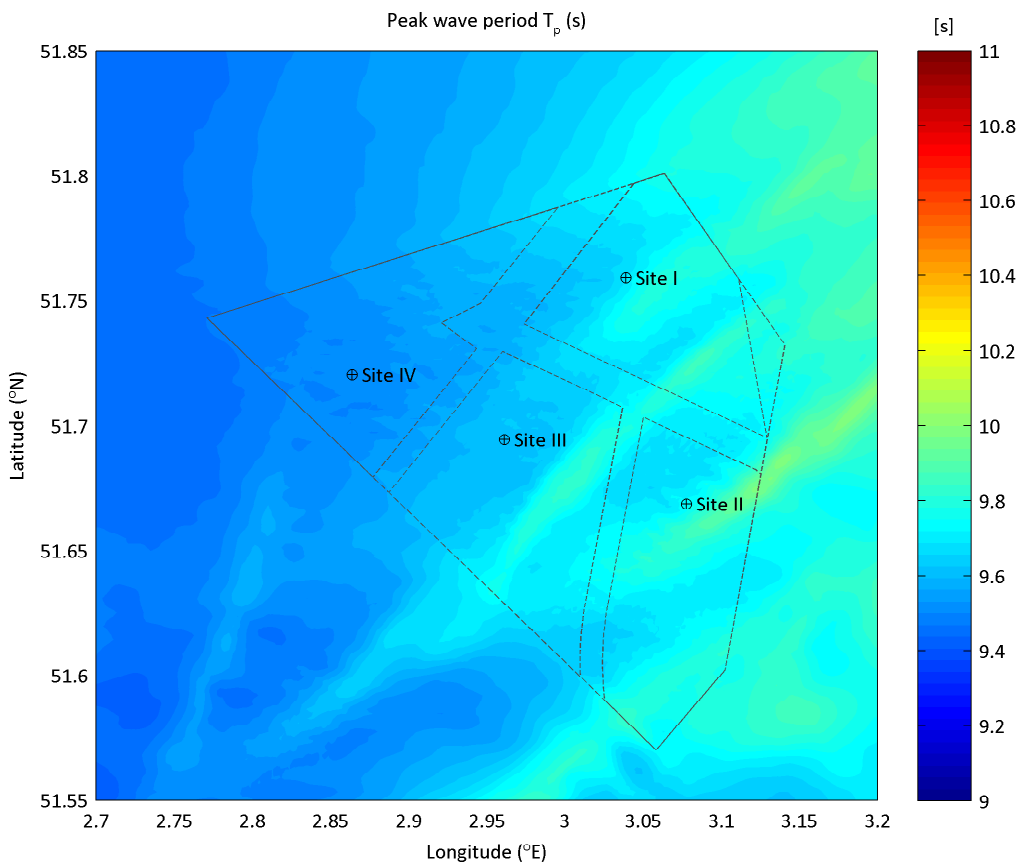
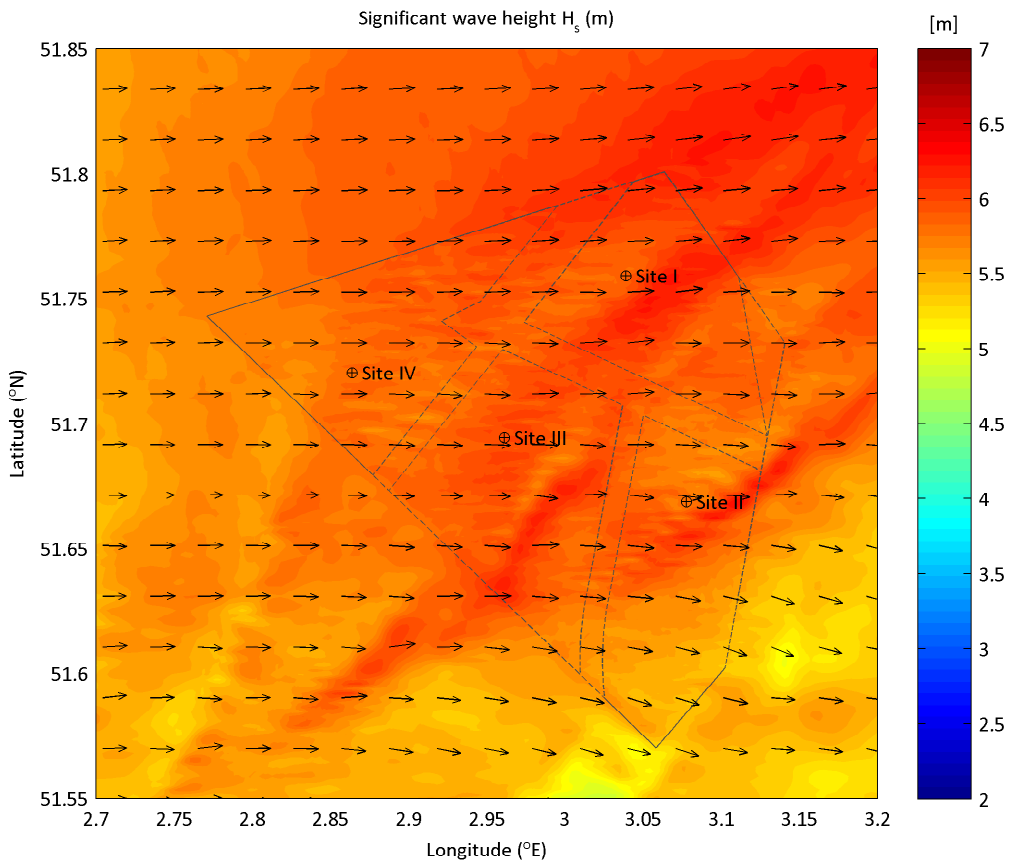
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.056



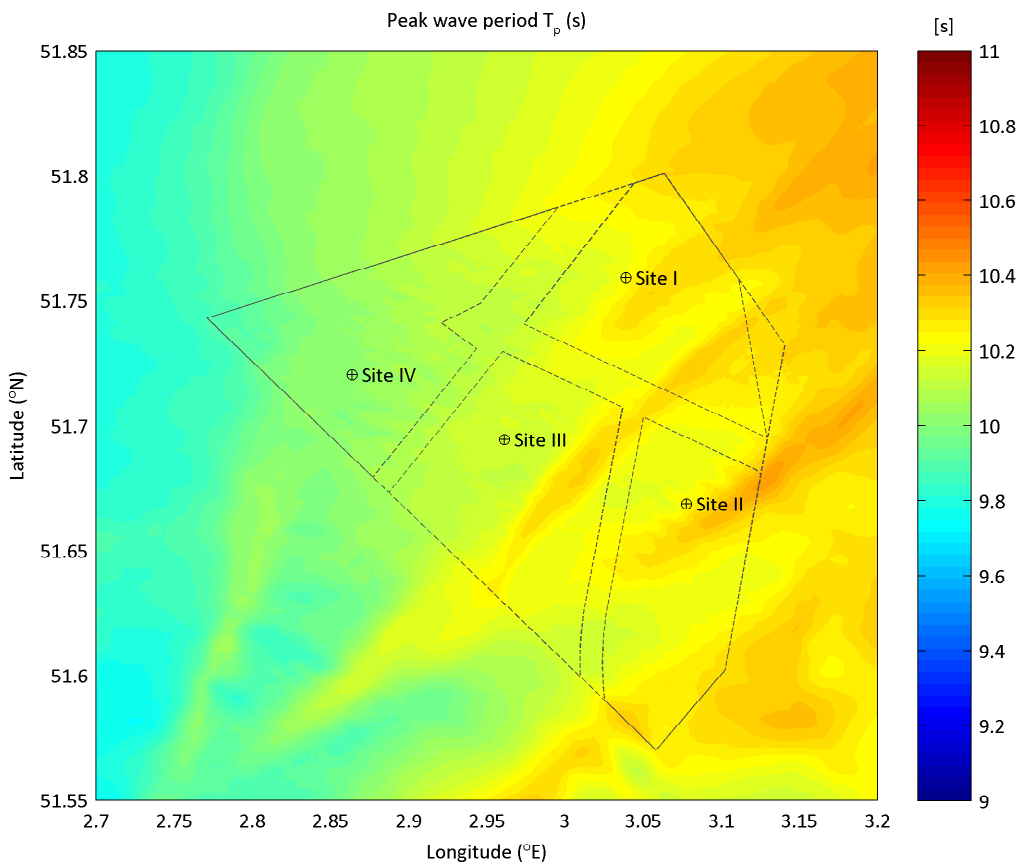
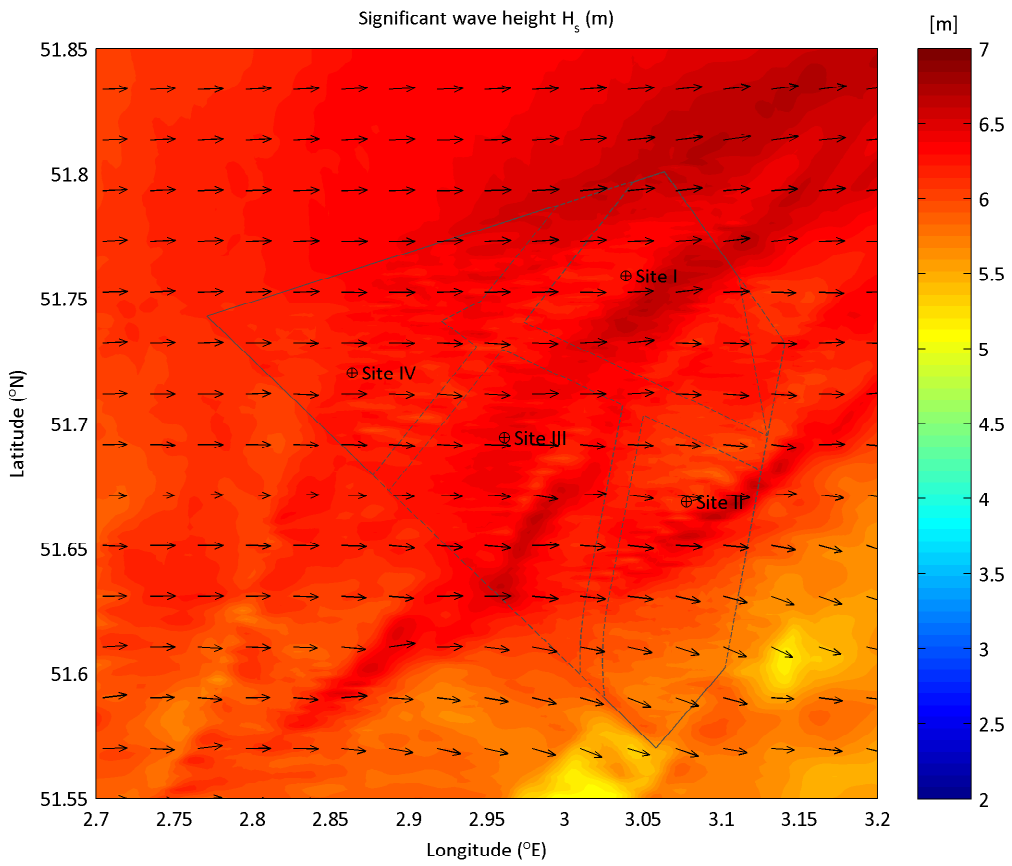
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.057



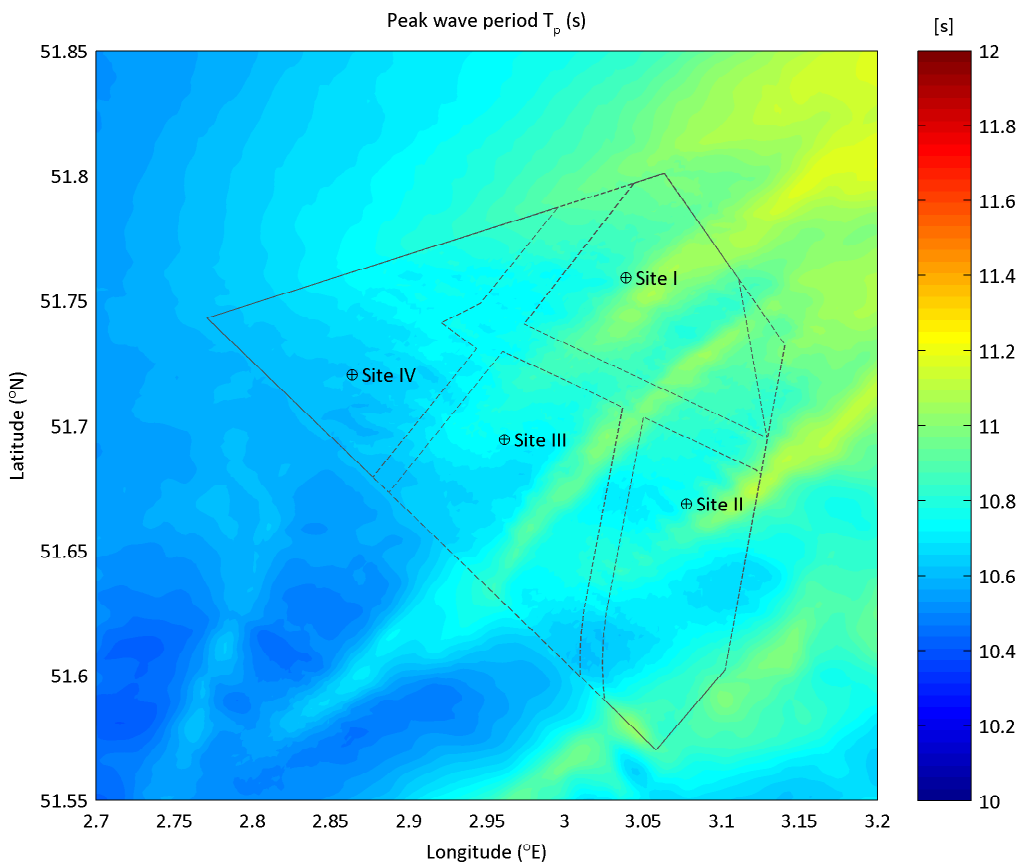
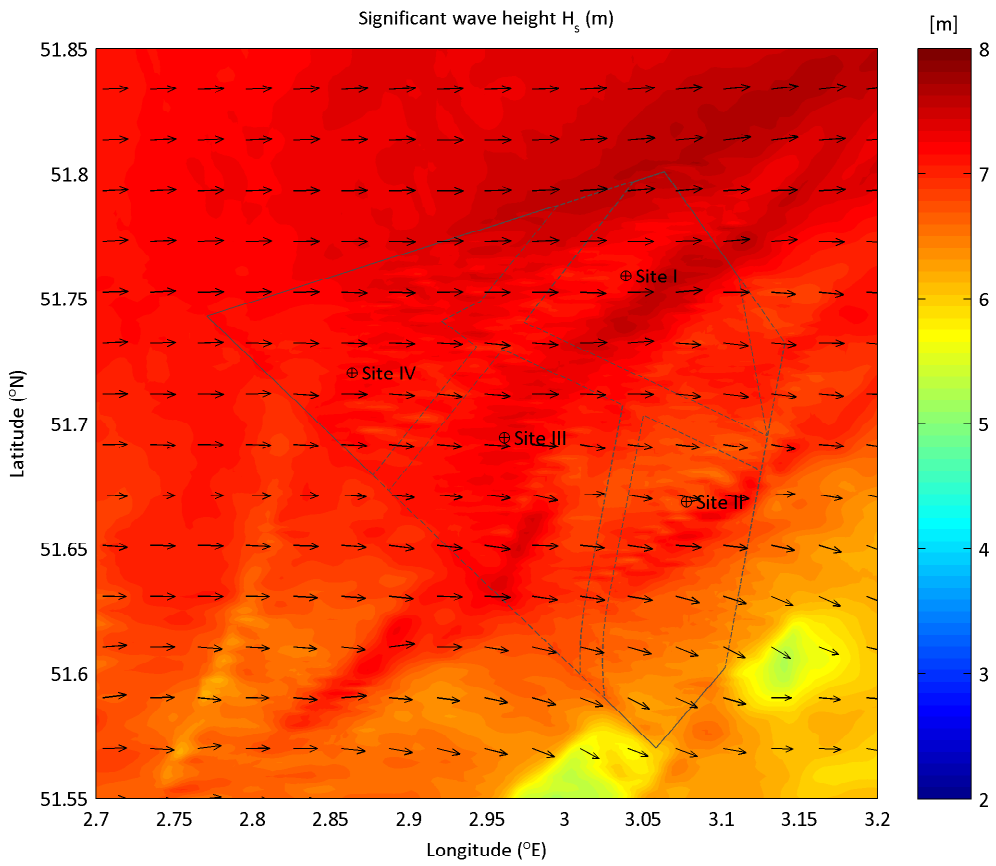
Extreme wave condition from Sector255 (°N) - 285 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.058



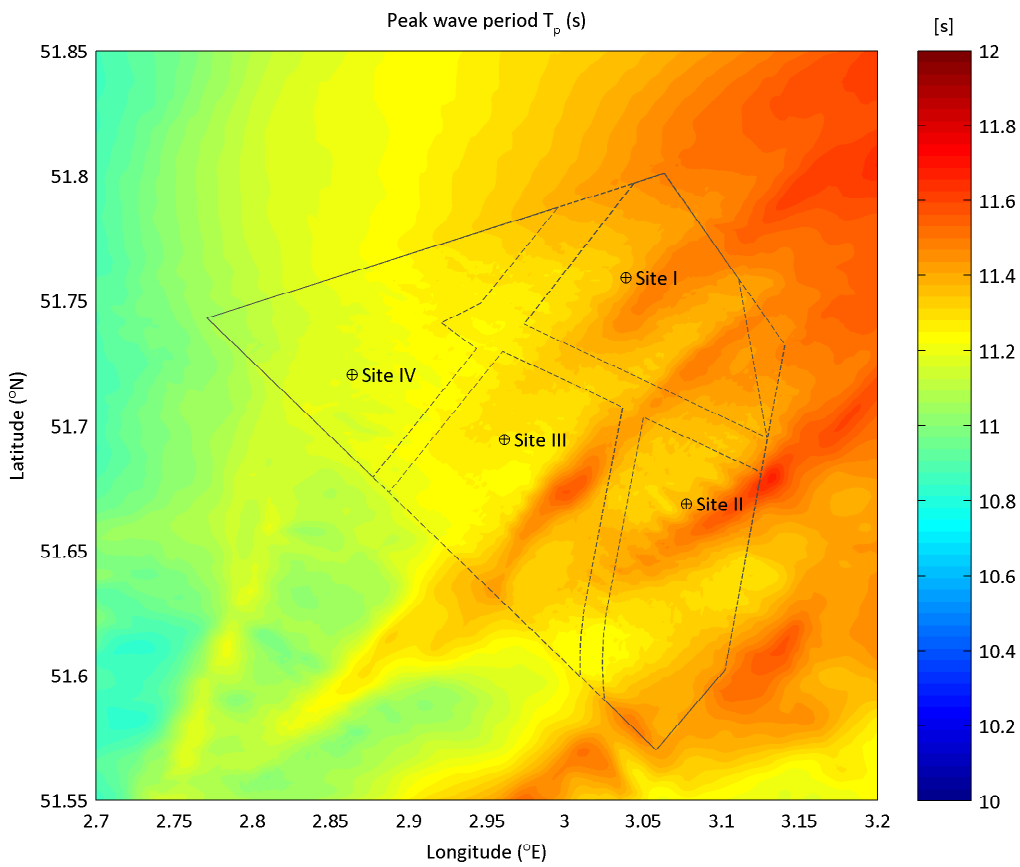
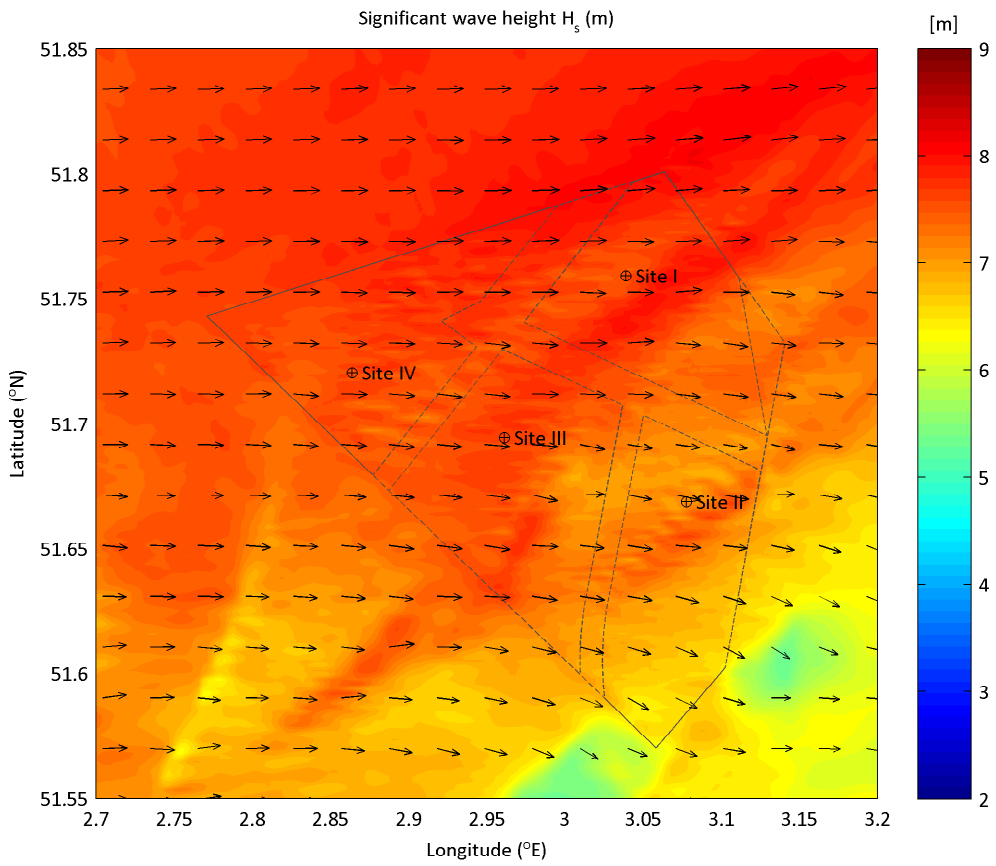
Extreme wave condition from Sector255 (°N) - 285 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.059



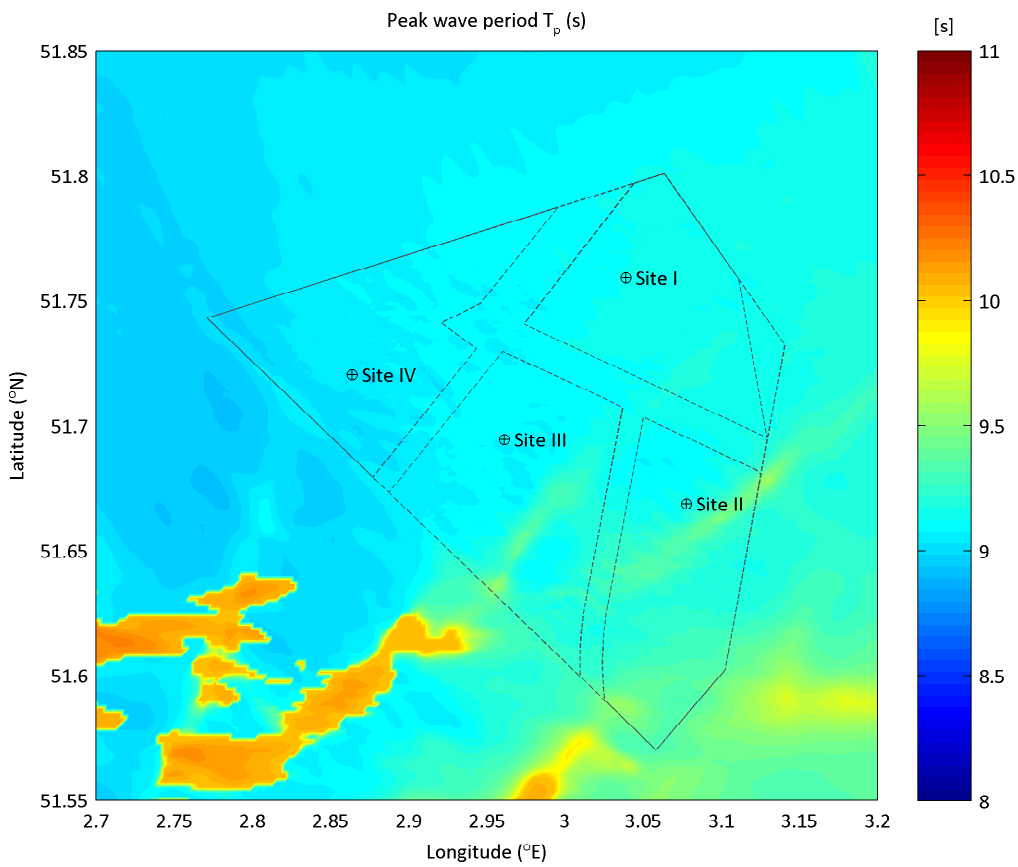
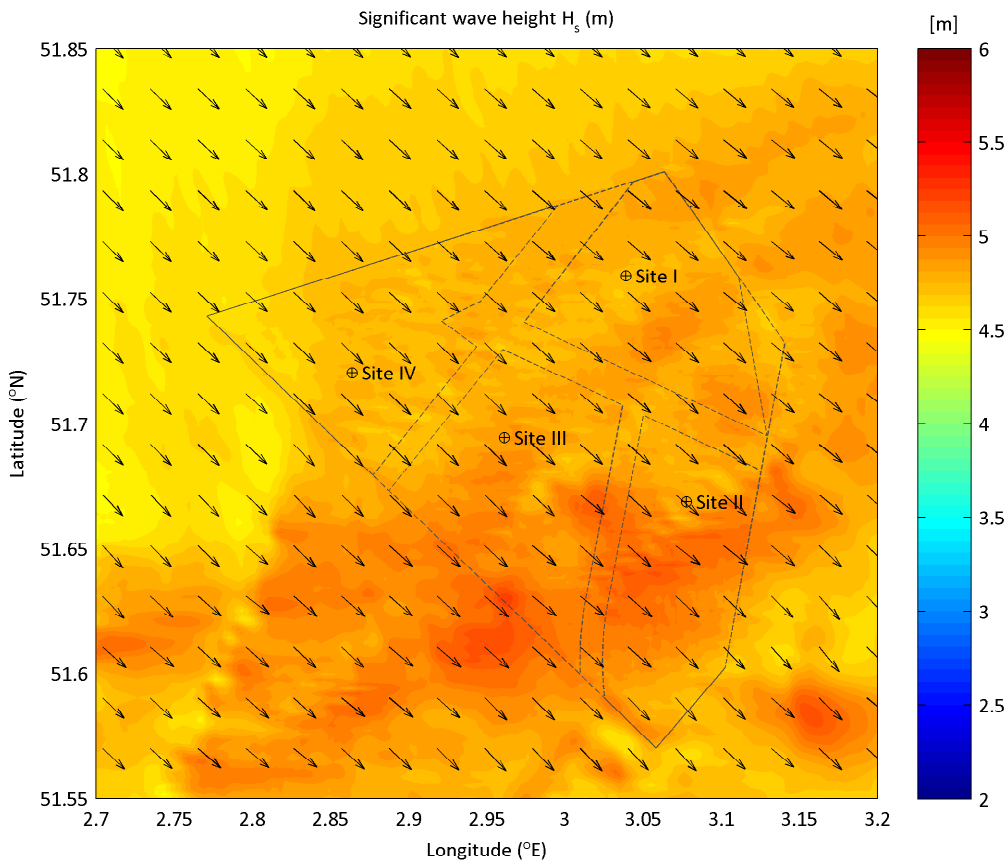
Extreme wave condition from Sector255 ($^{\circ}$ N) - 285 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.060



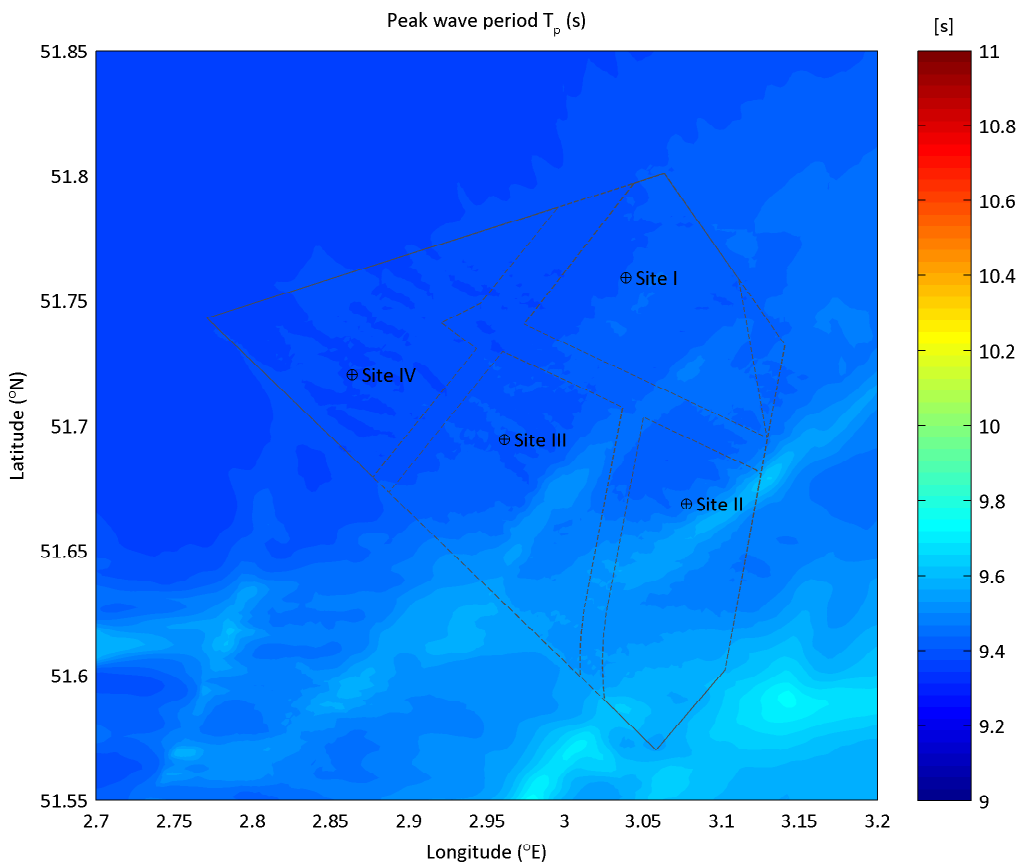
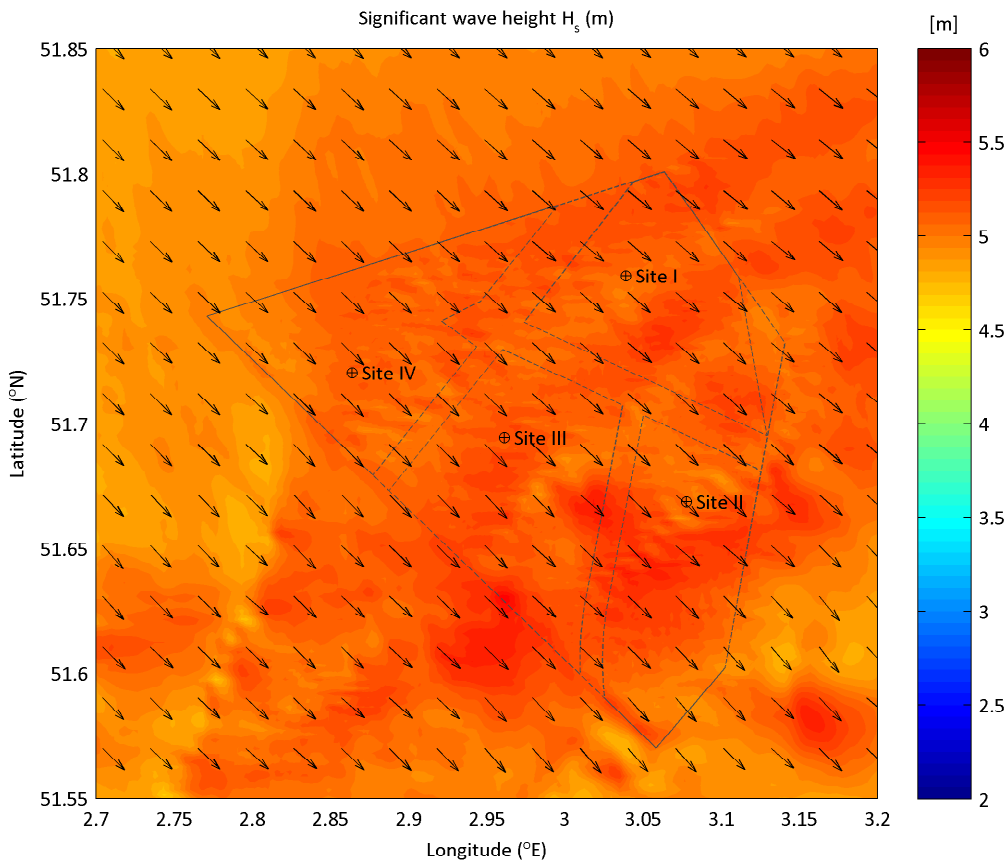
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.061



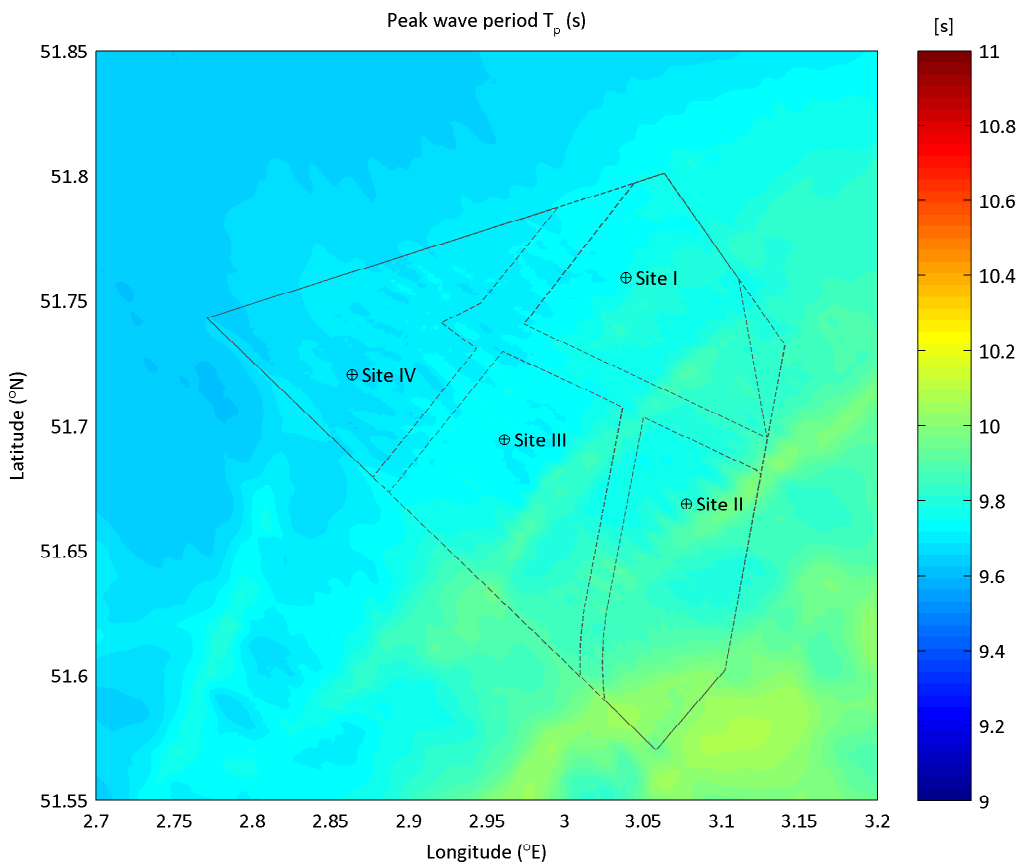
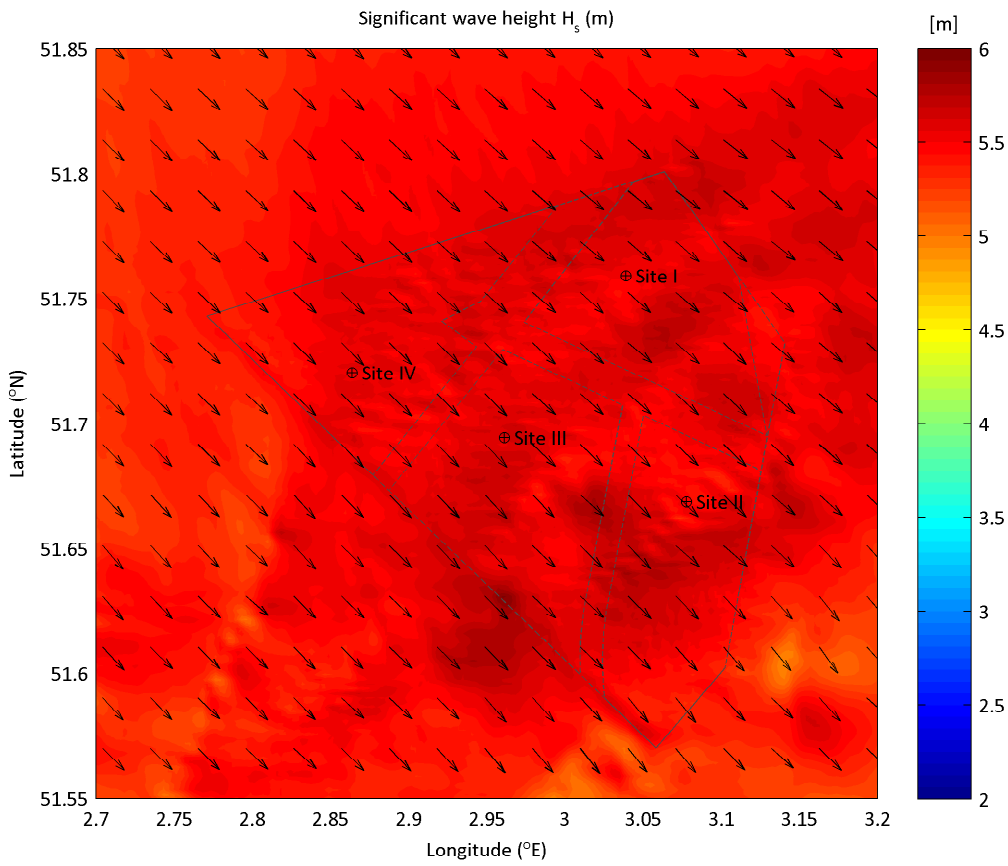
Extreme wave condition from Sector285 ($^{\circ}$ N) - 315 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.062



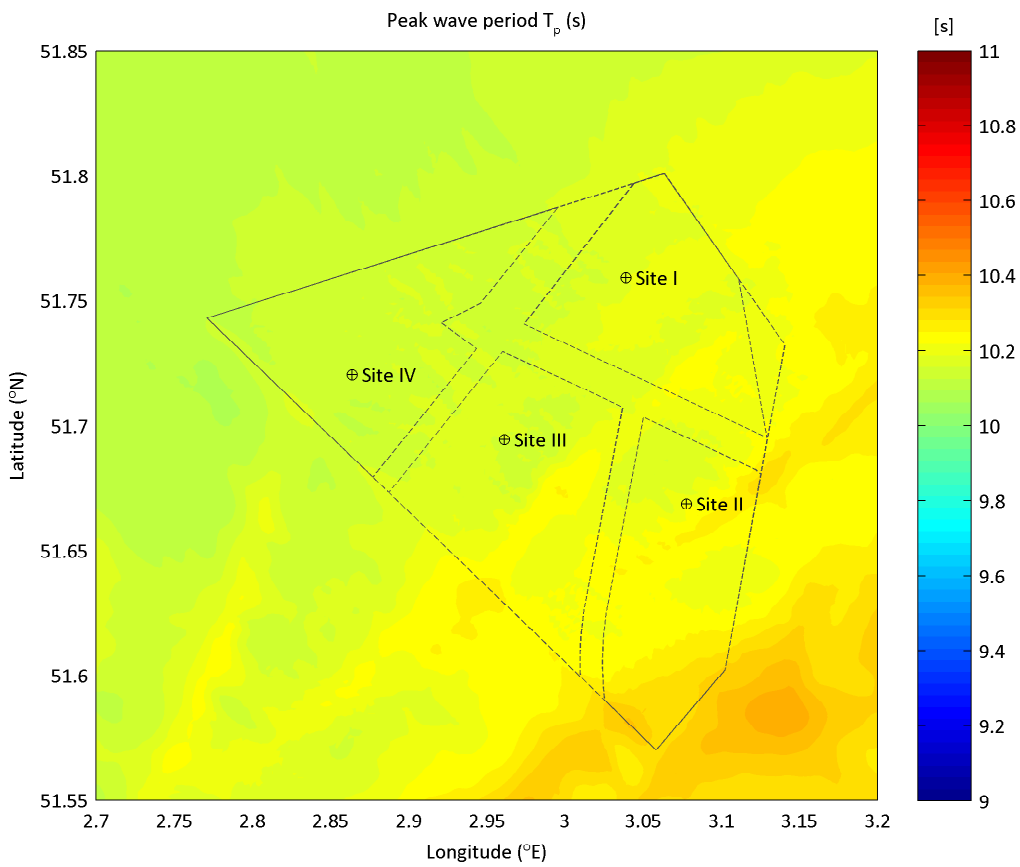
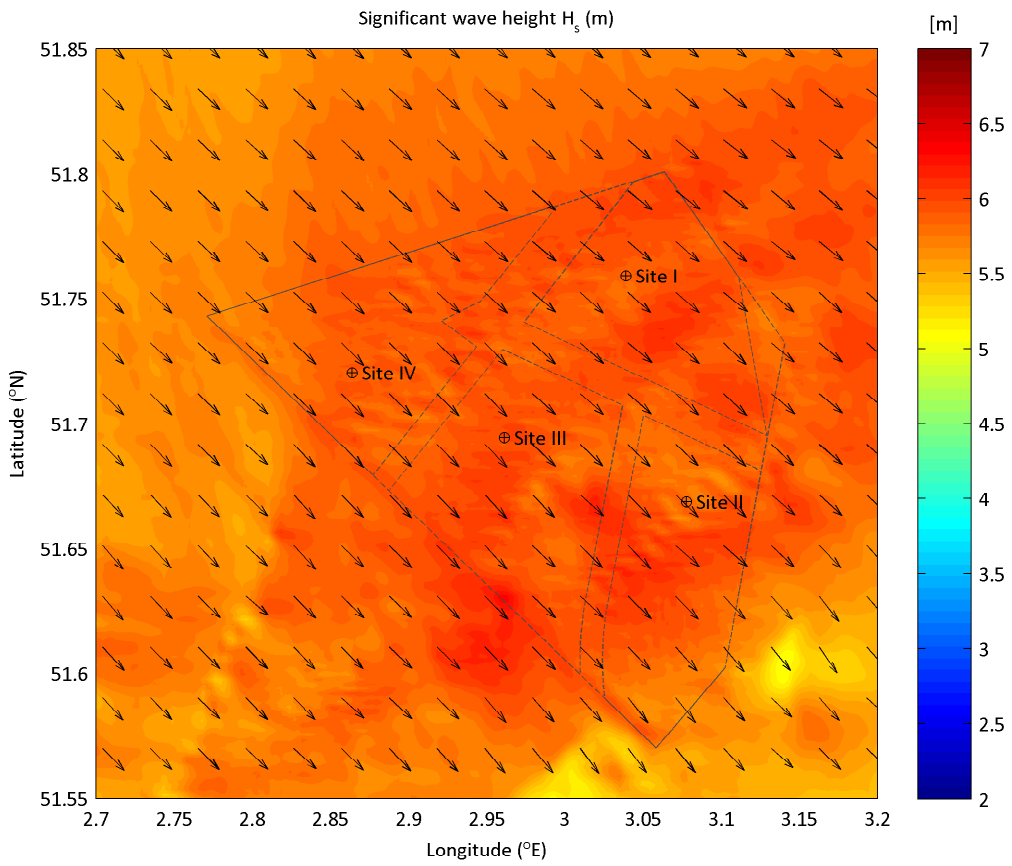
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.063



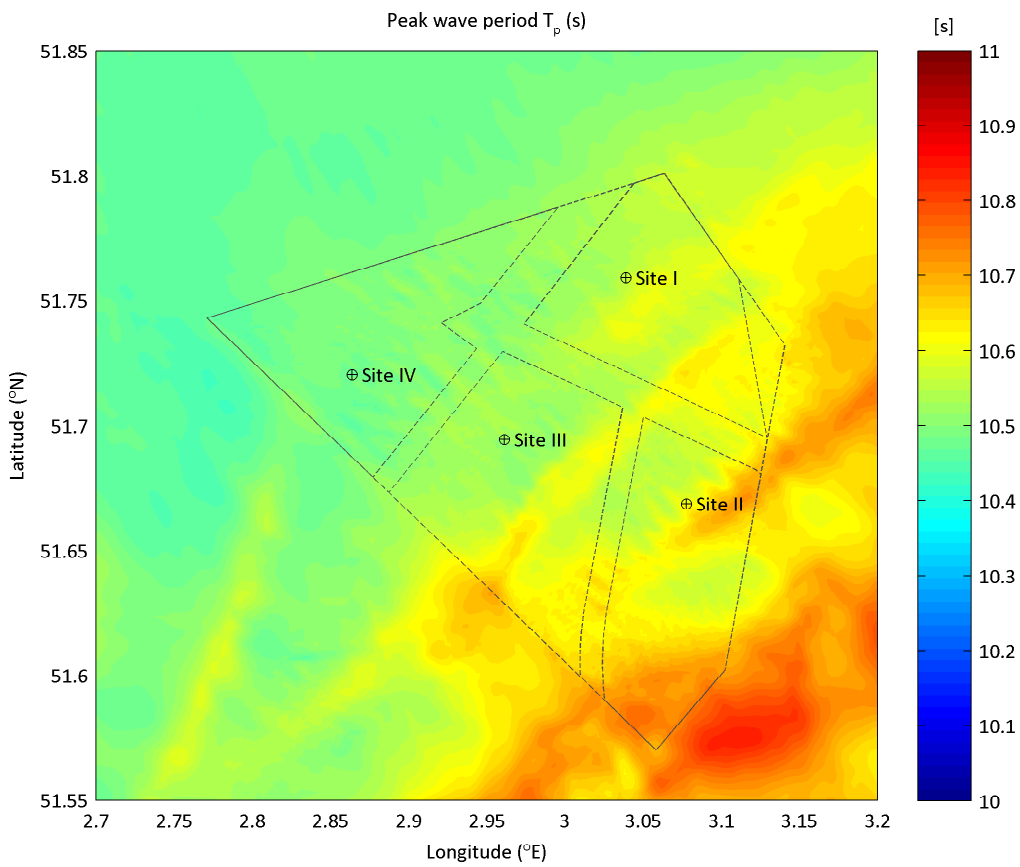
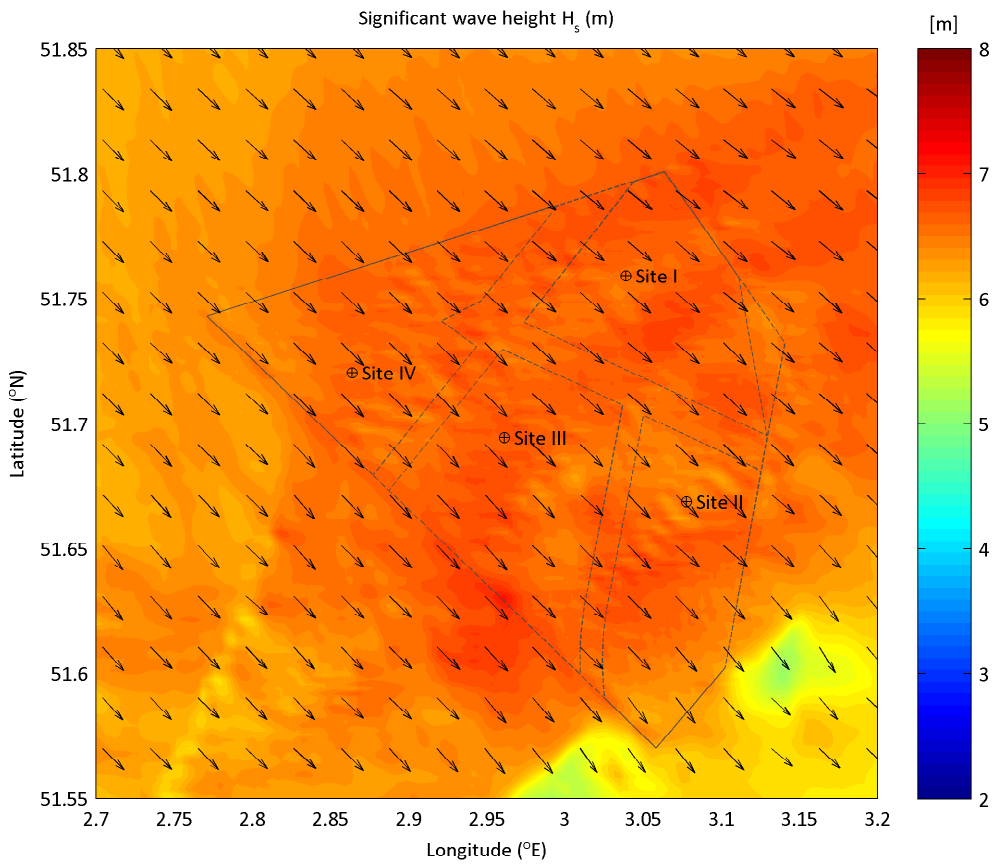
Extreme wave condition from Sector285 ($^{\circ}$ N) - 315 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.064



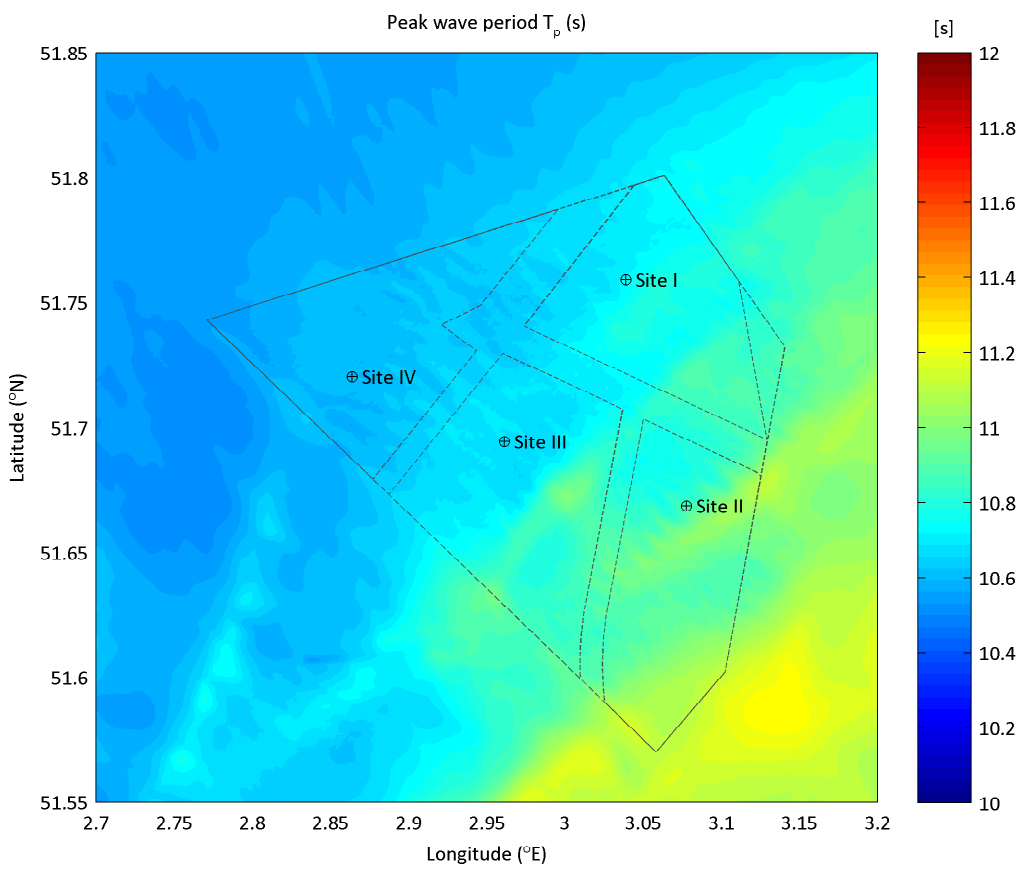
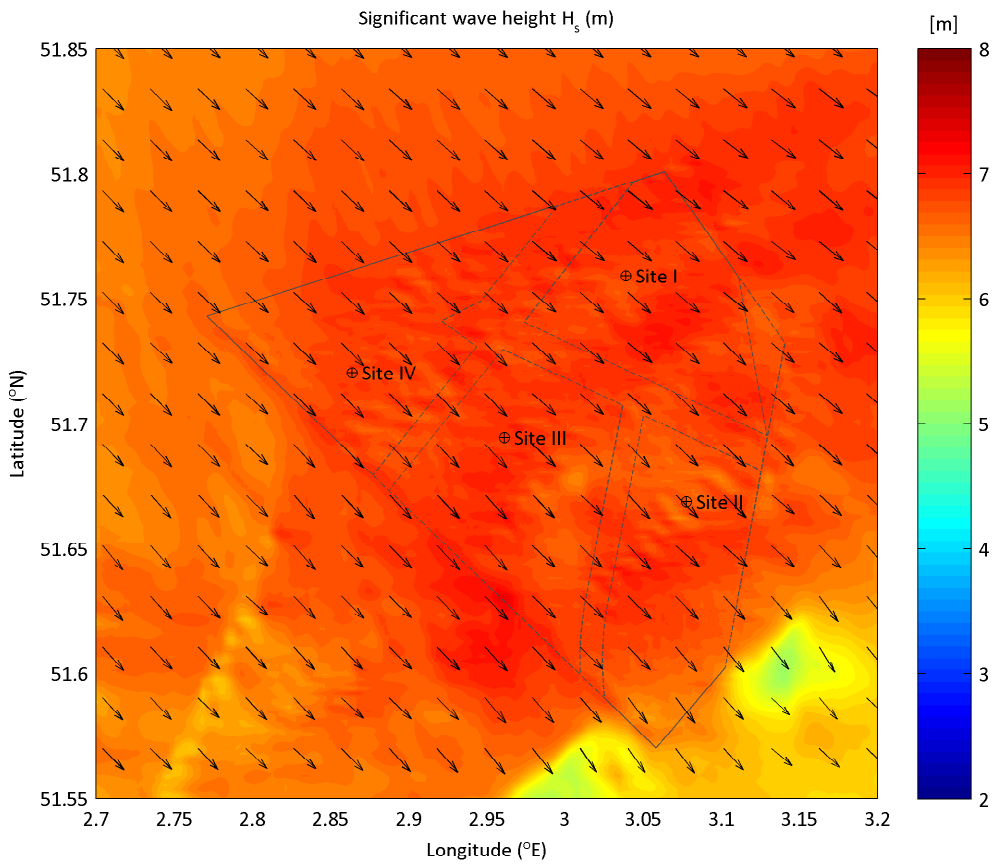
Extreme wave condition from Sector285 (°N) - 315 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.065



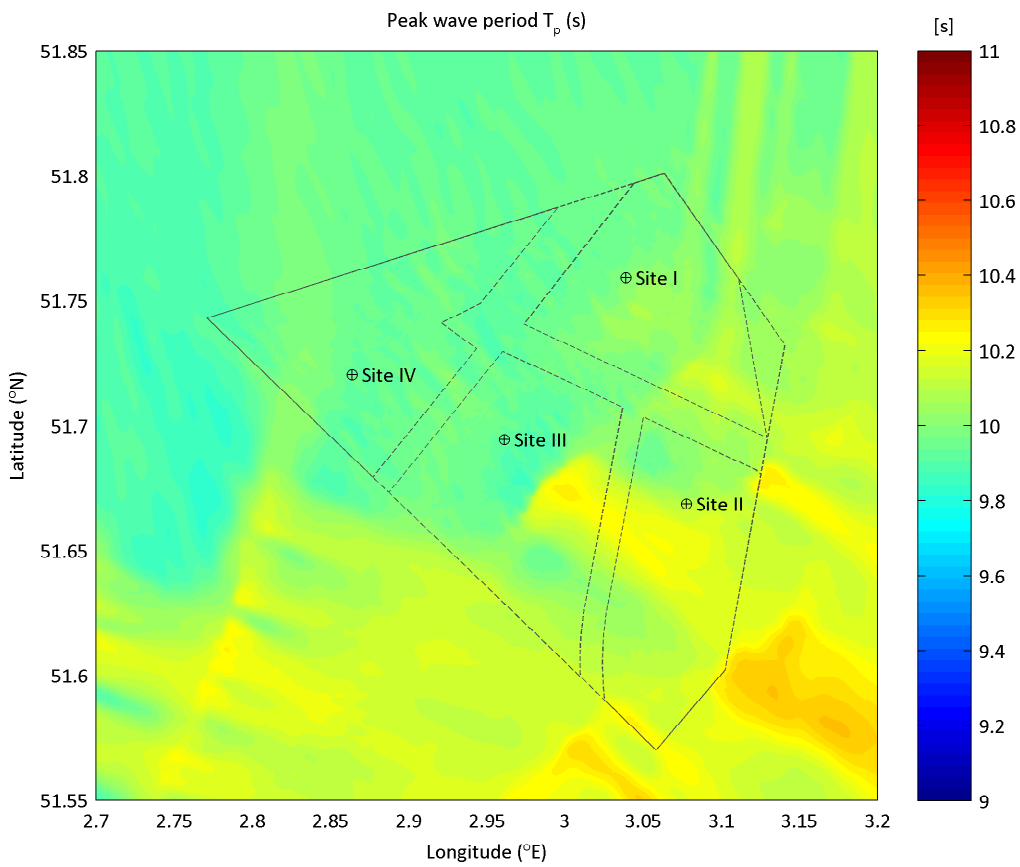
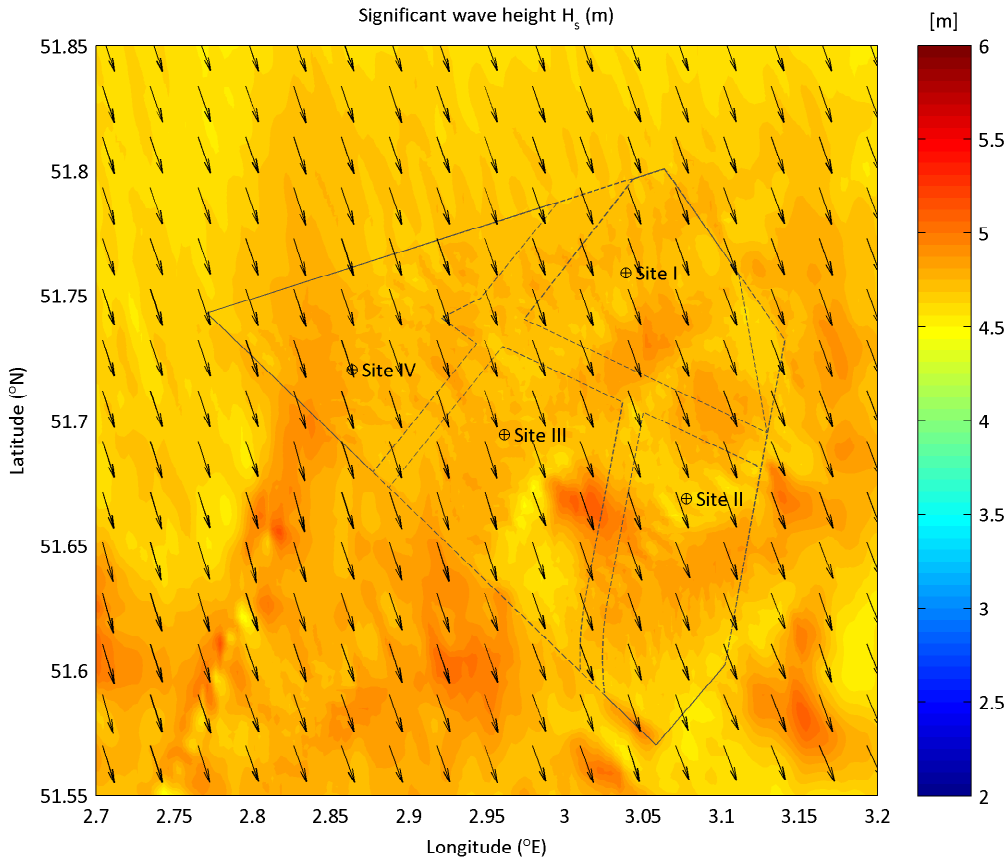
Extreme wave condition from Sector285 ($^{\circ}$ N) - 315 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.066



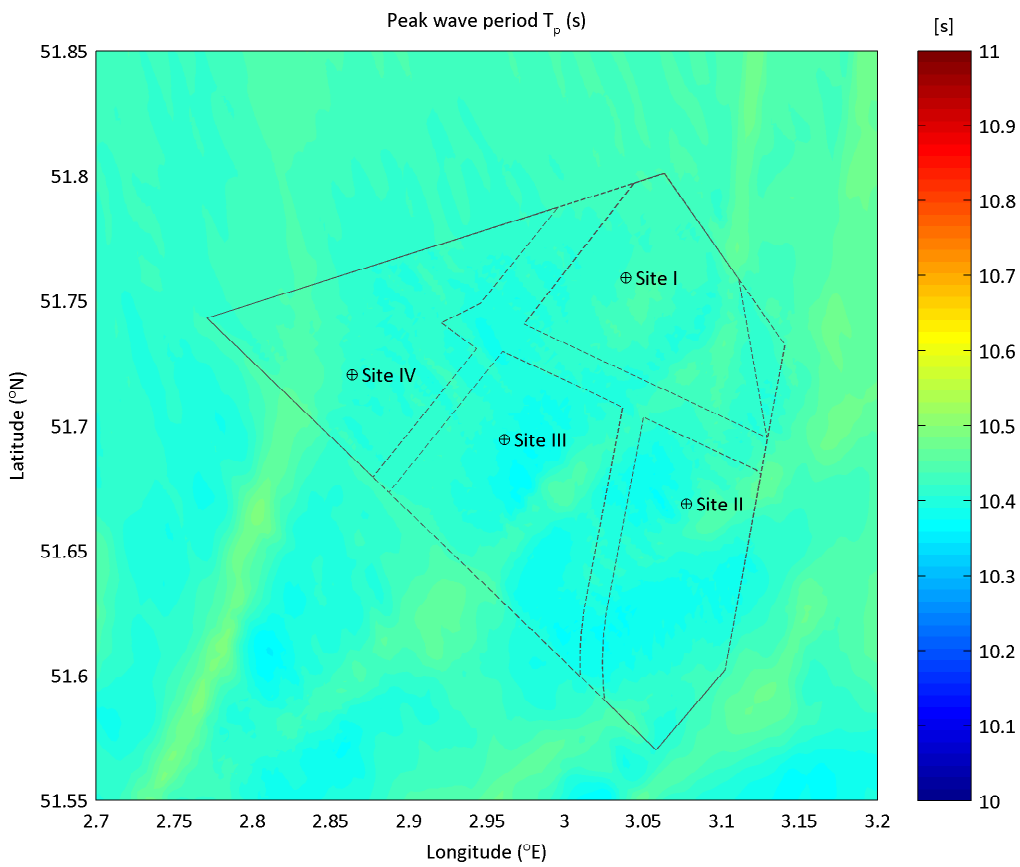
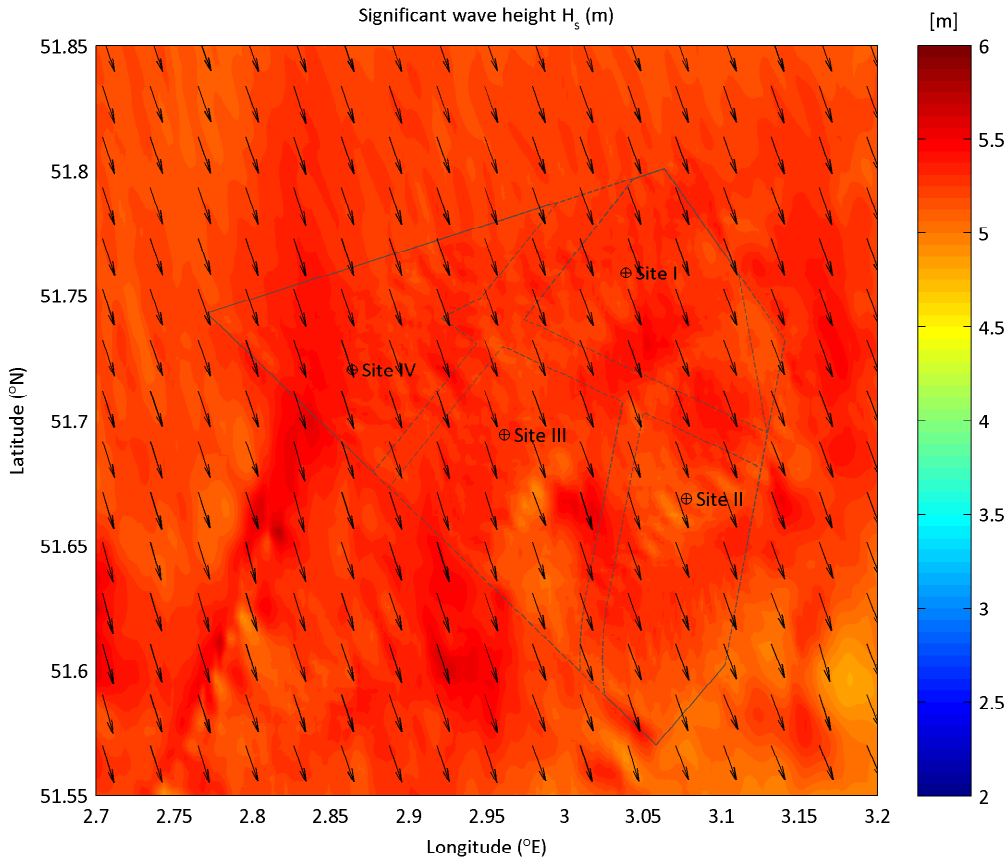
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.067



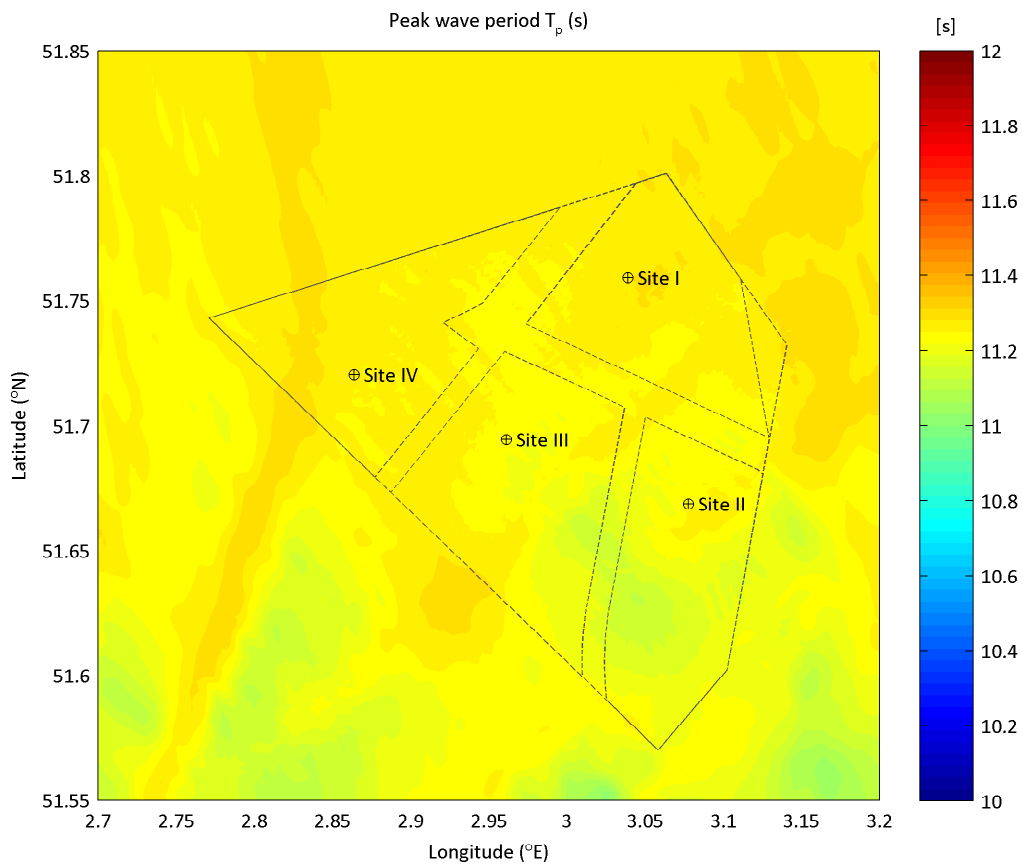
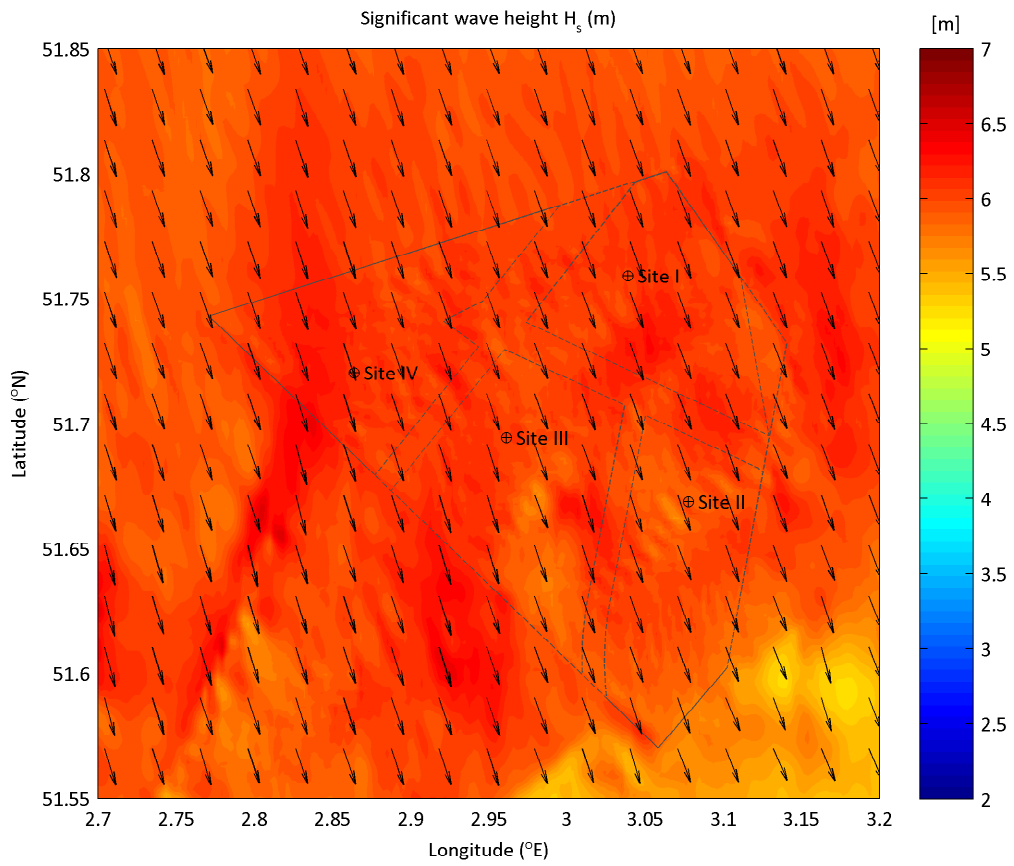
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.068



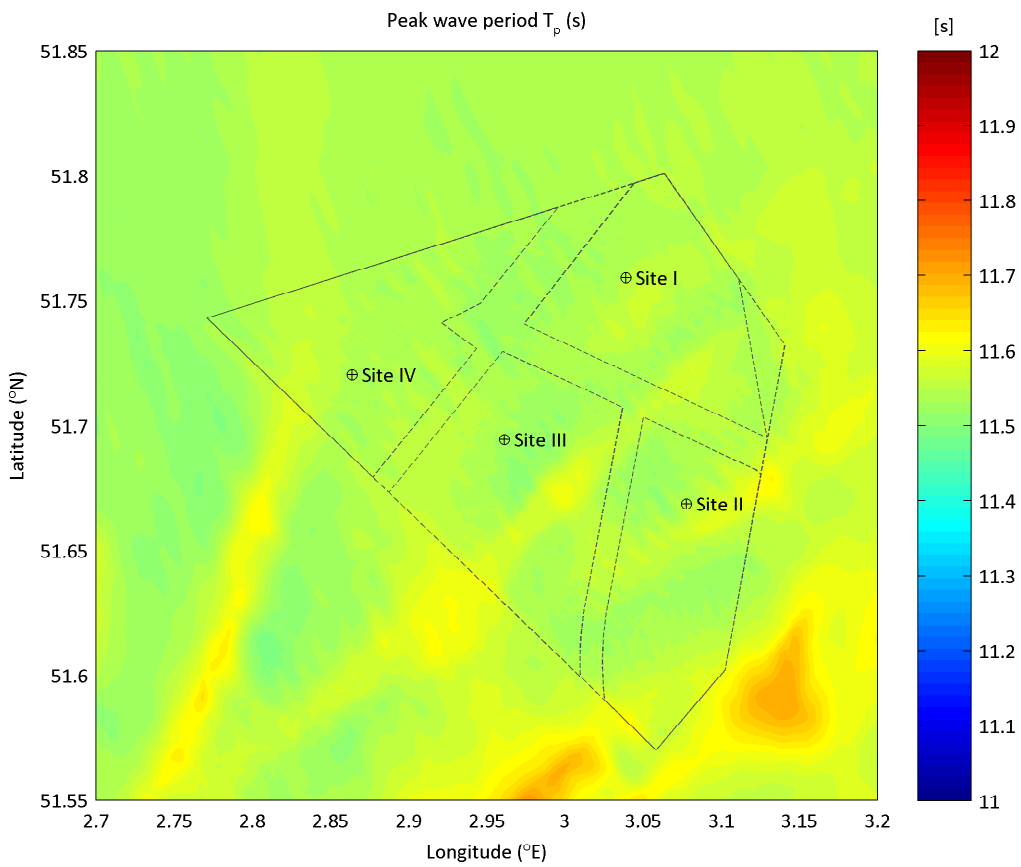
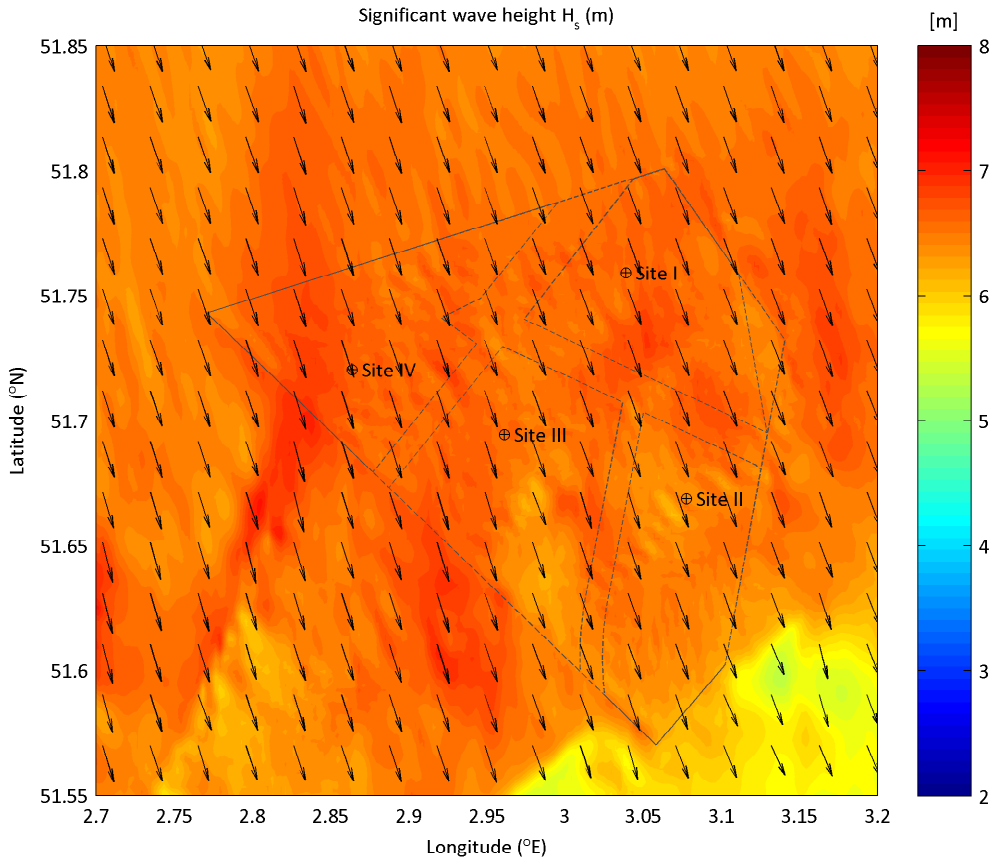
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.069



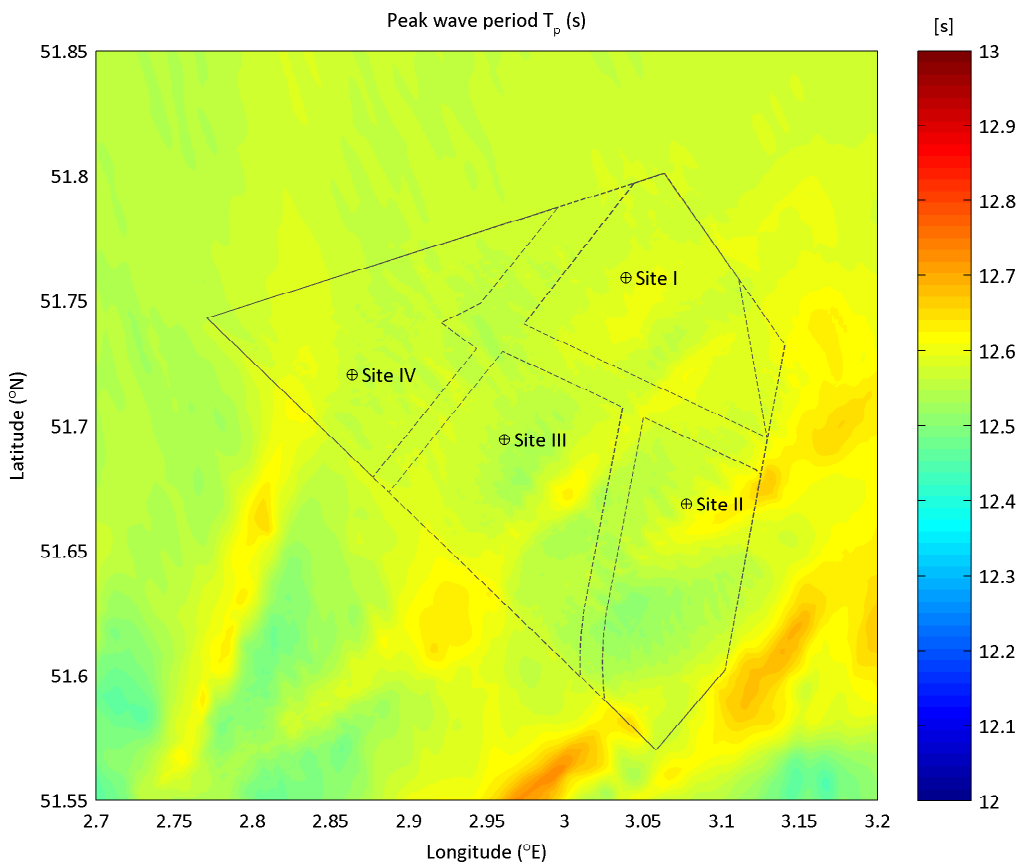
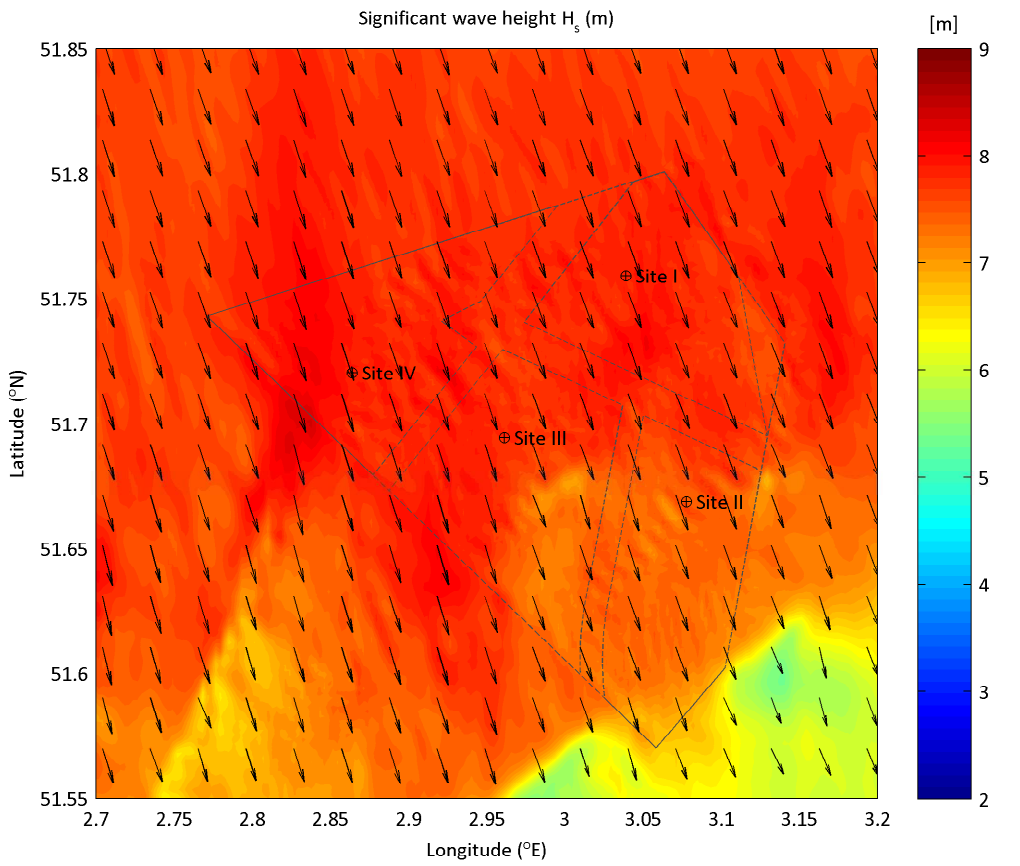
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.070



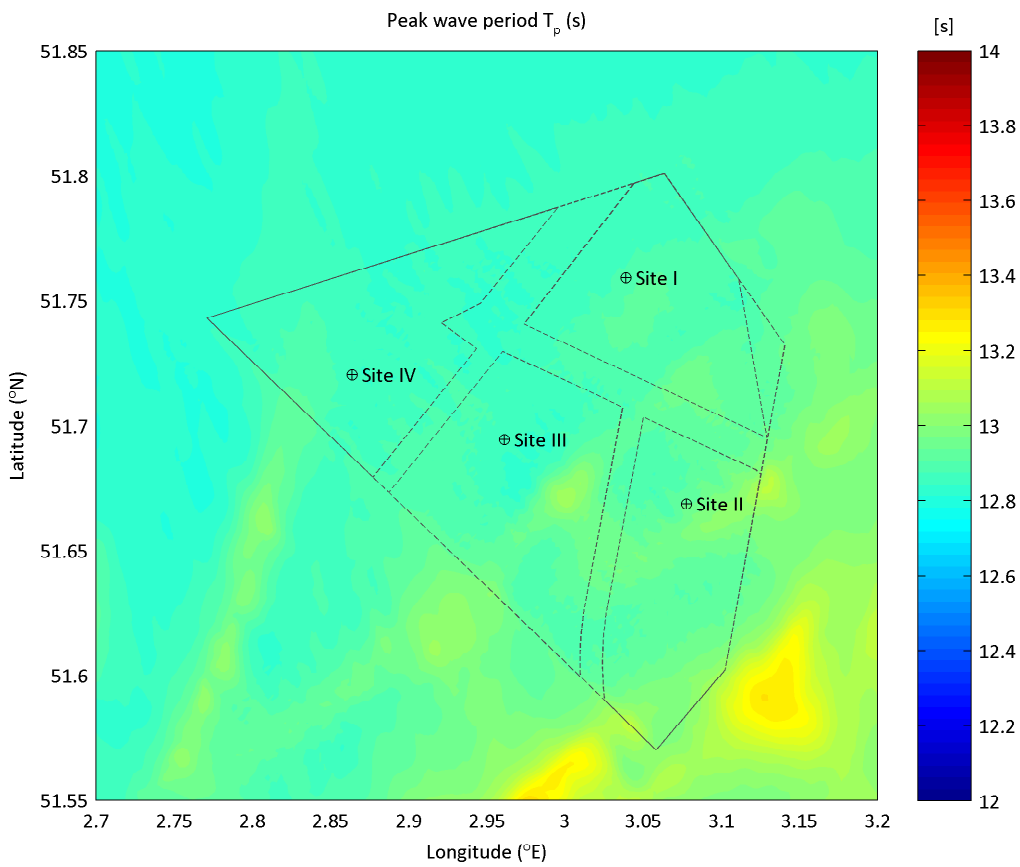
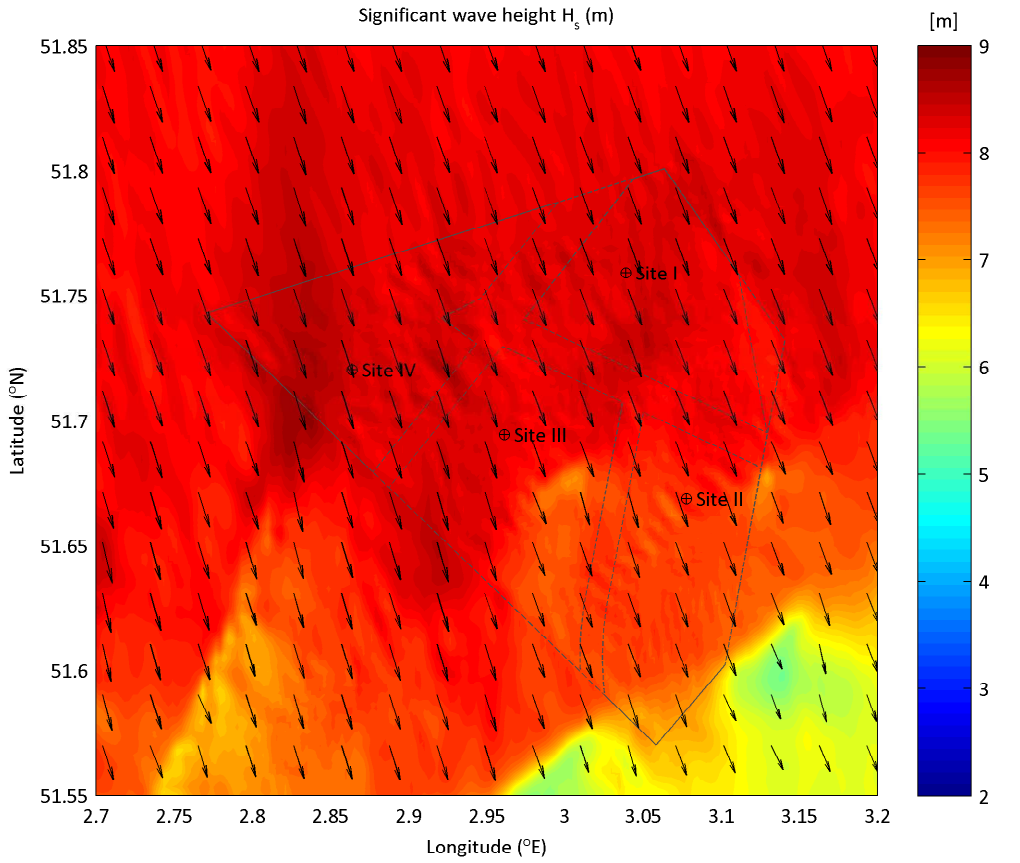
Extreme wave condition from Sector315 ($^{\circ}$ N) - 345 ($^{\circ}$ N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.071



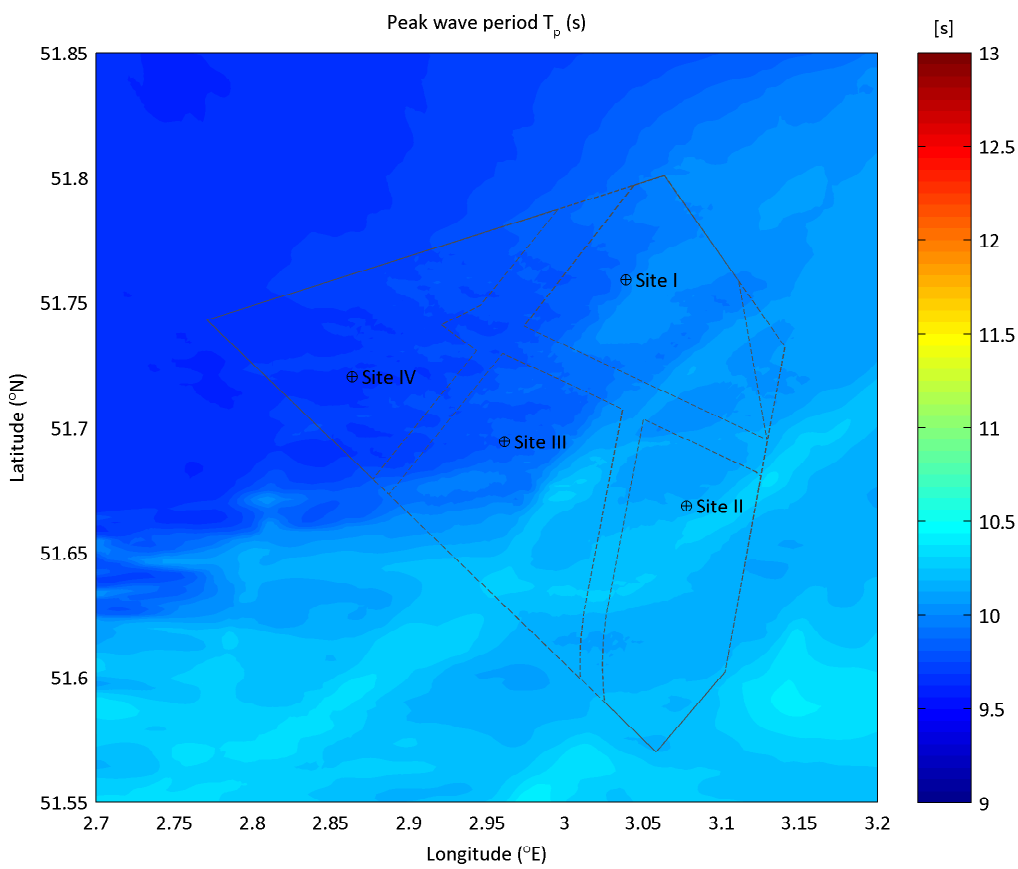
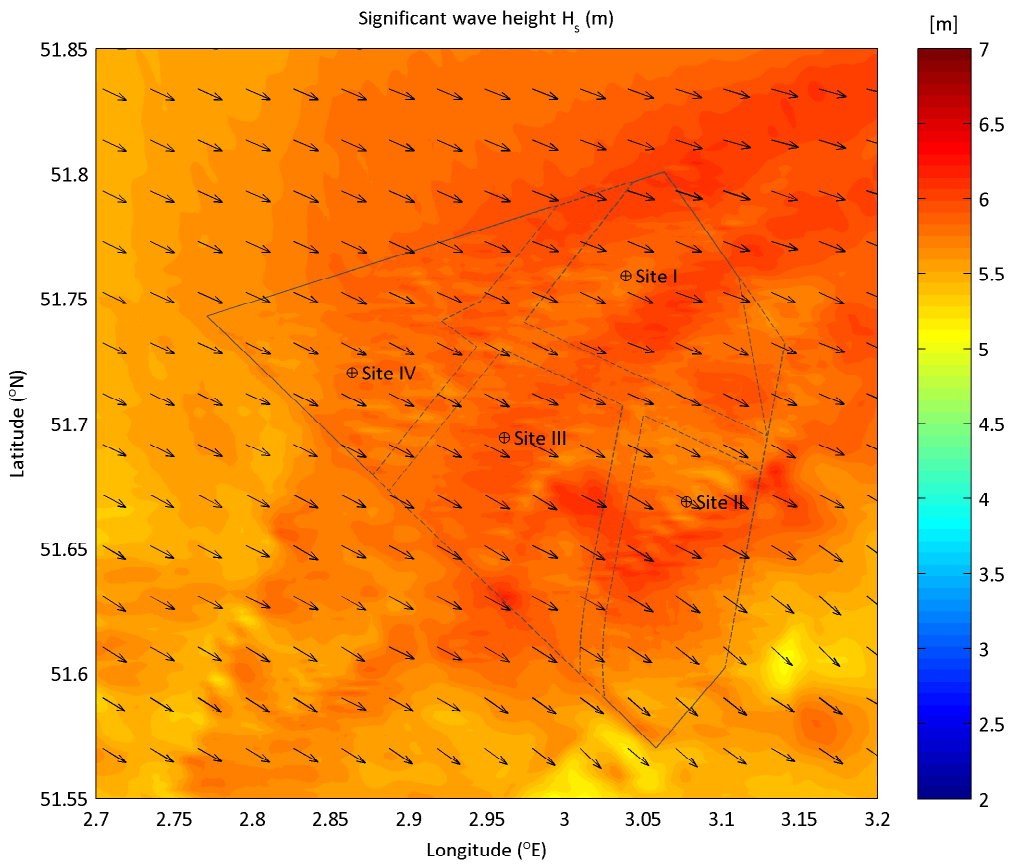
Extreme wave condition from Sector315 (°N) - 345 (°N)
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

App. B.4.072



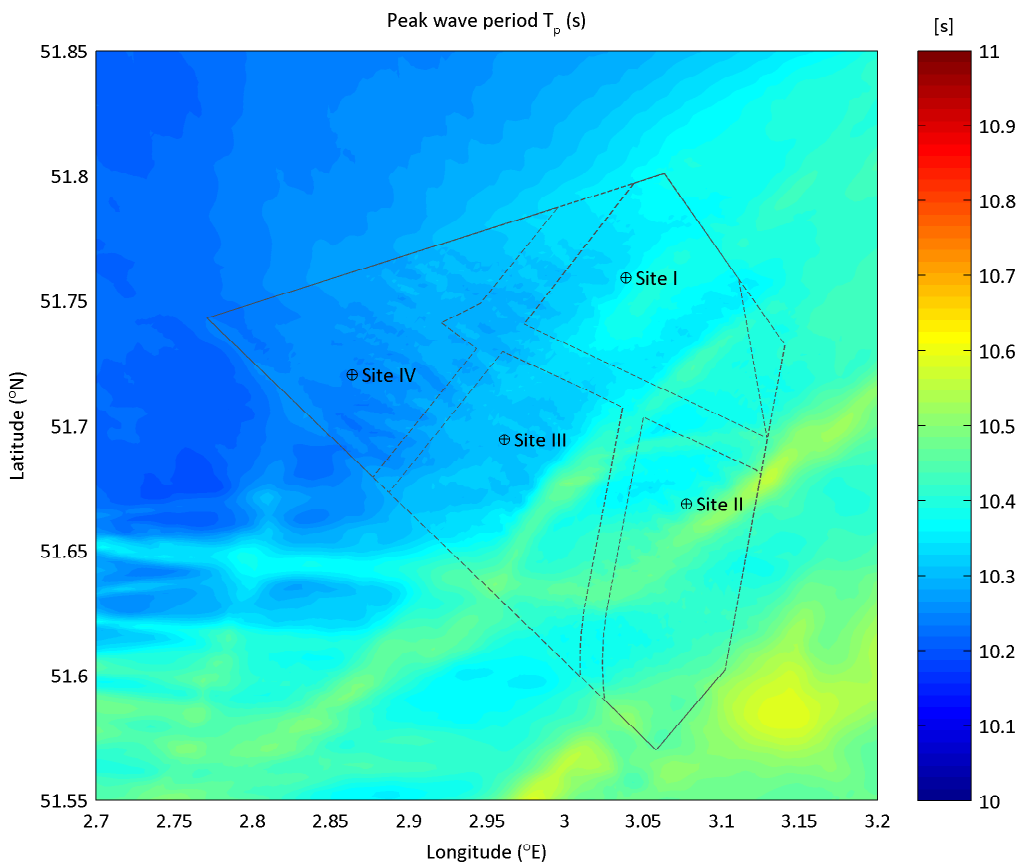
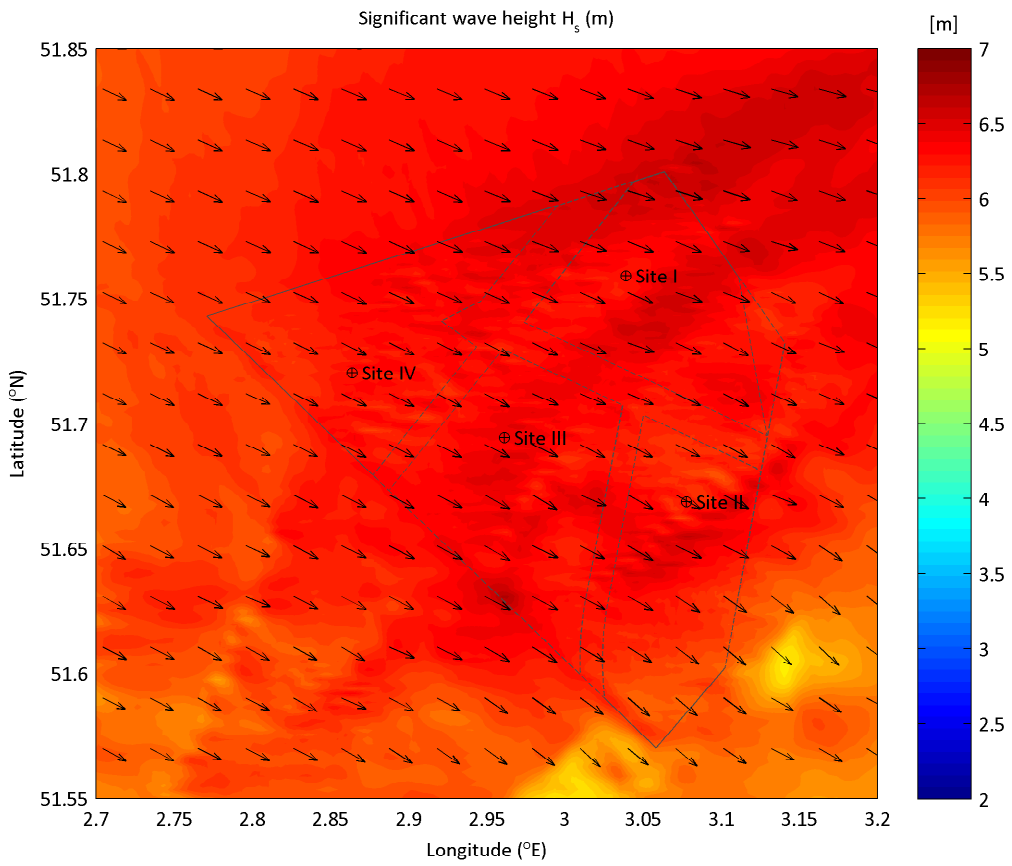
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 1yr

minimum still water level

Deltares

App. B.4.073



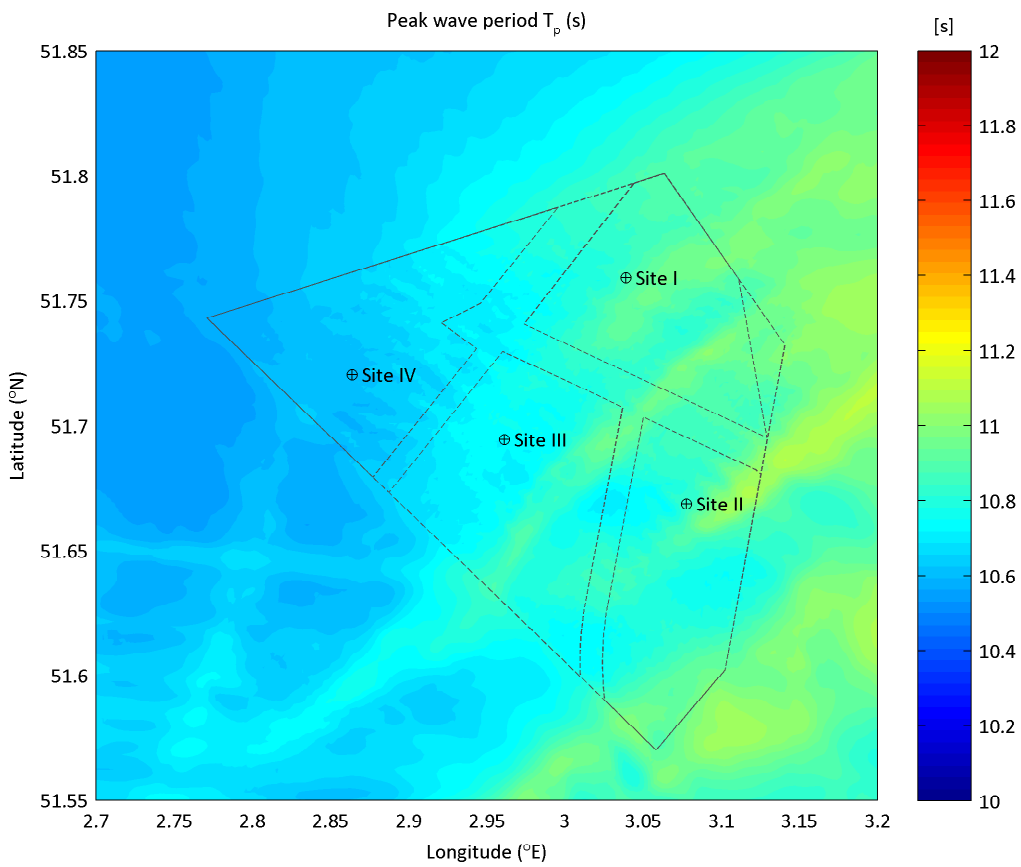
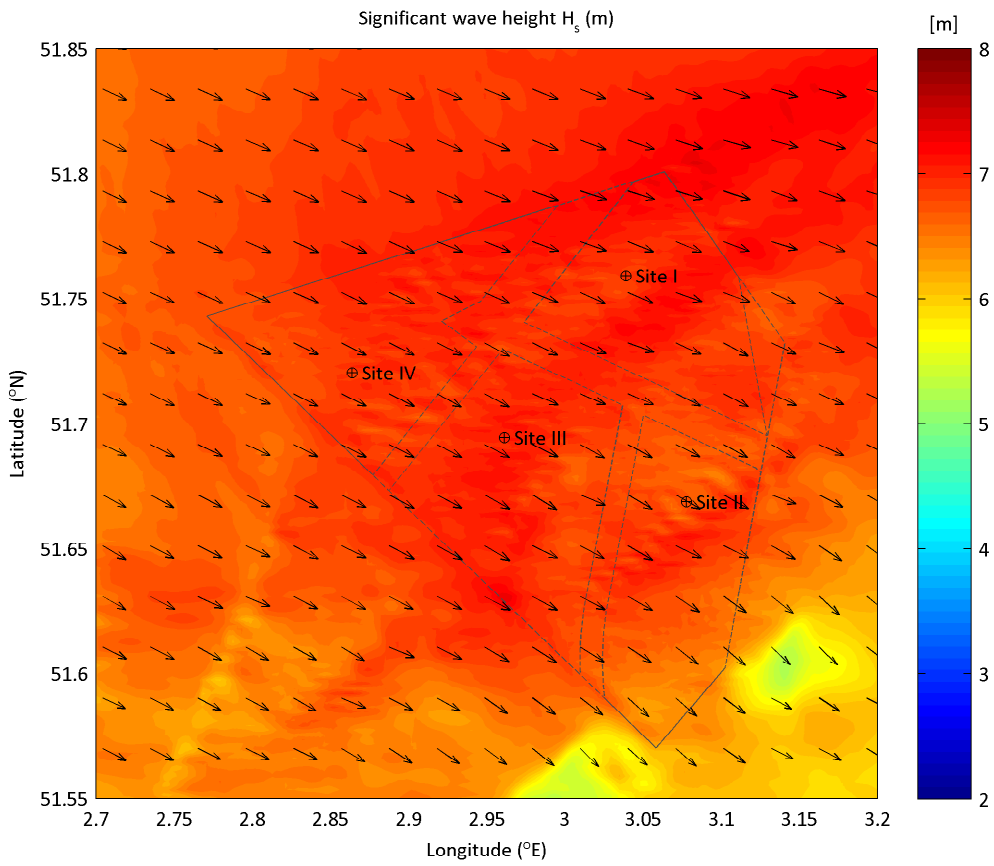
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 2yr

minimum still water level

Deltares

App. B.4.074



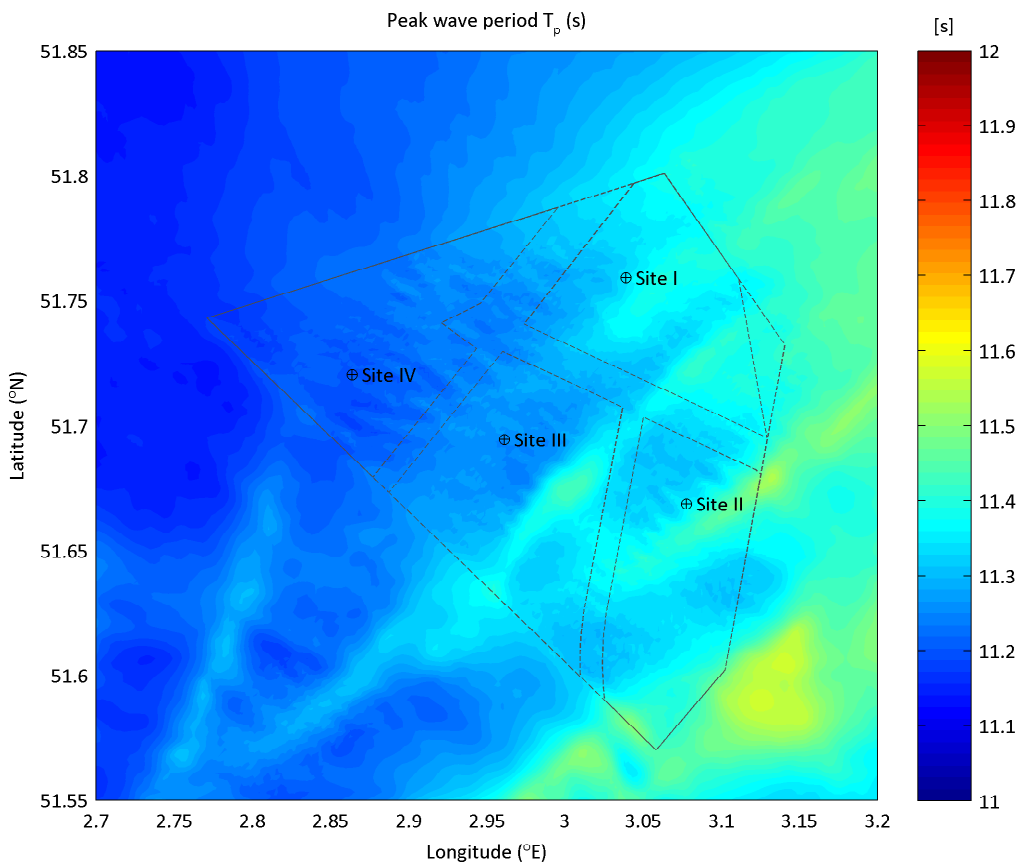
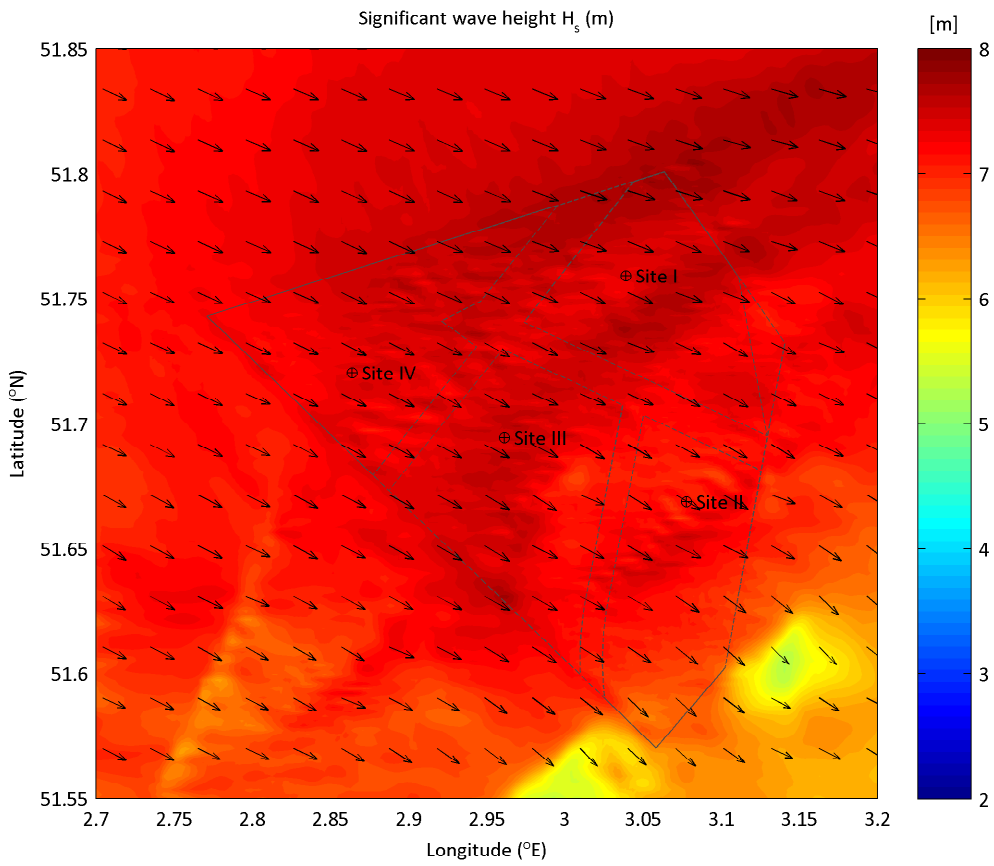
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 5yr

minimum still water level

Deltares

App. B.4.075



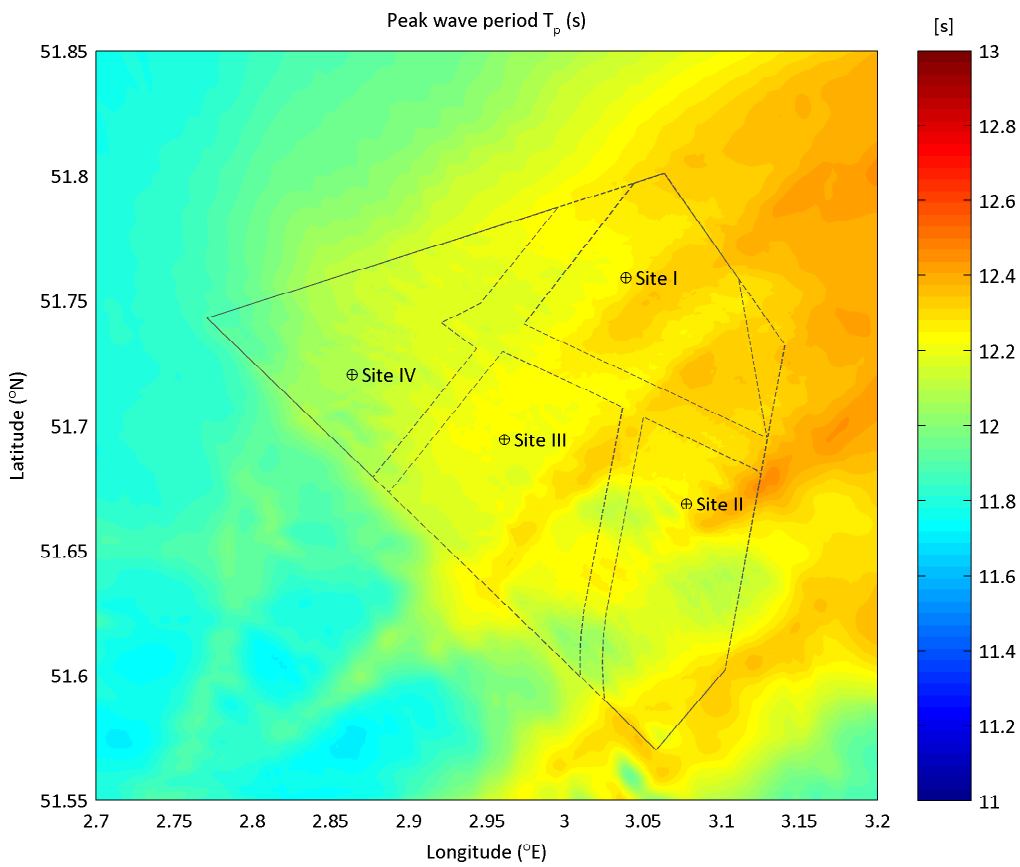
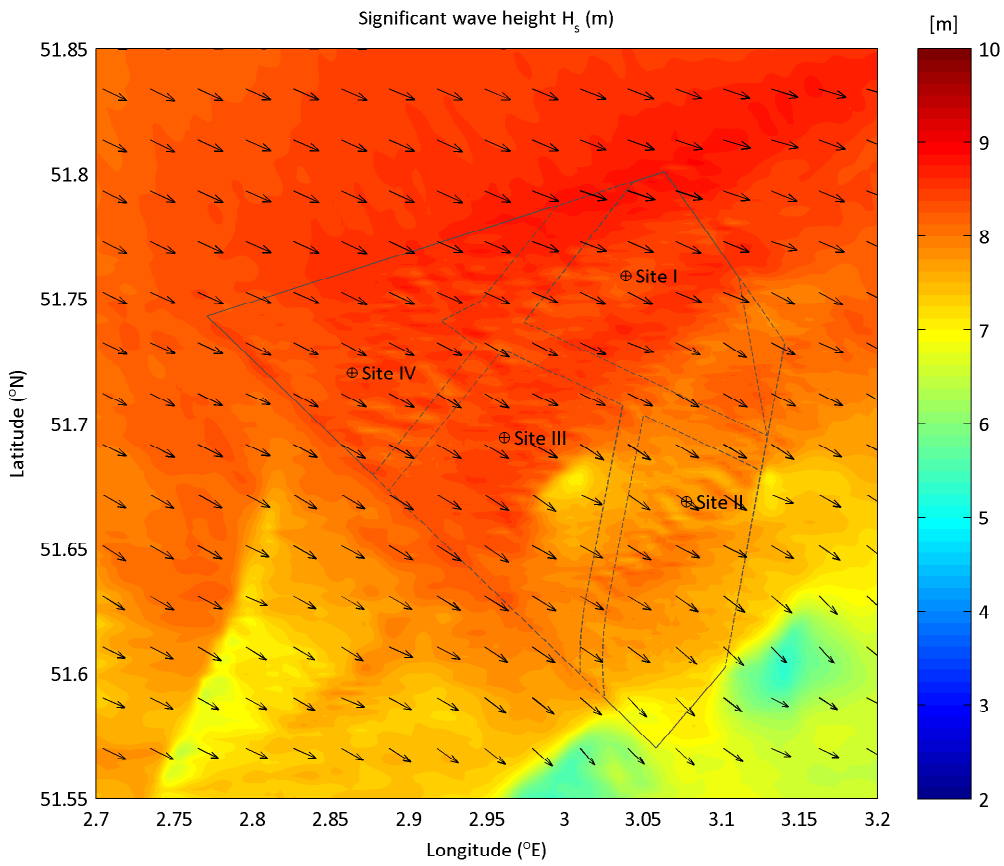
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 10yr

minimum still water level

Deltares

App. B.4.076



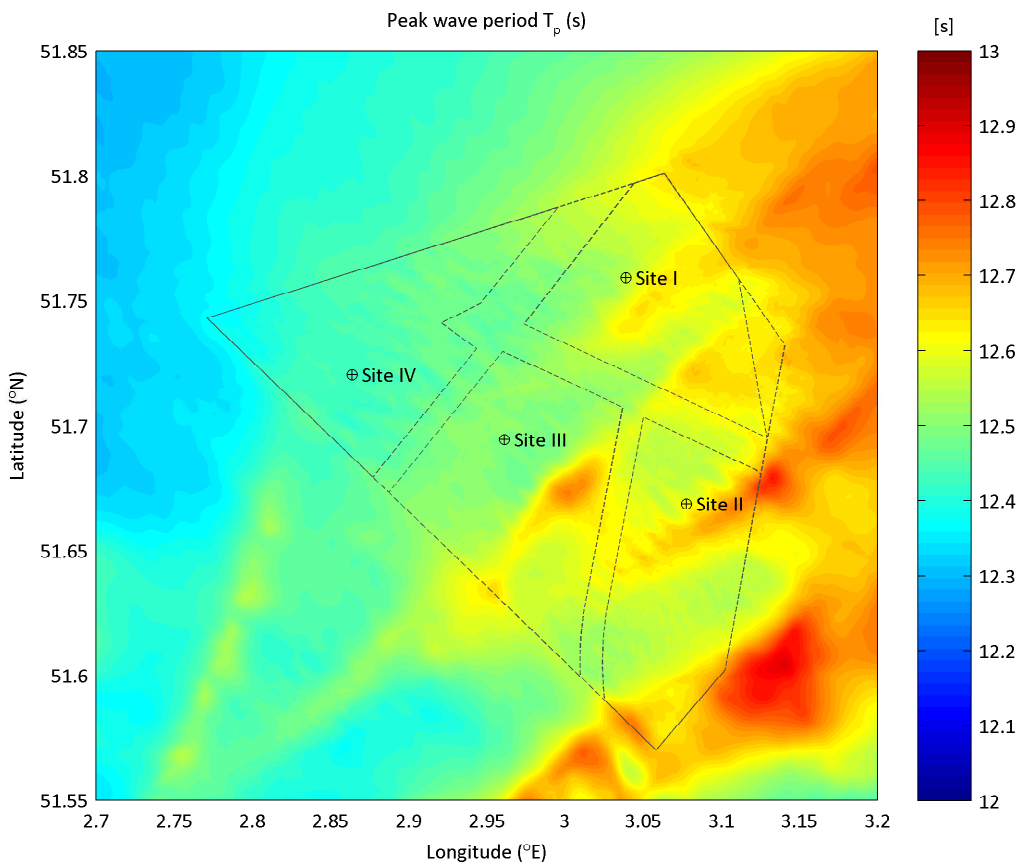
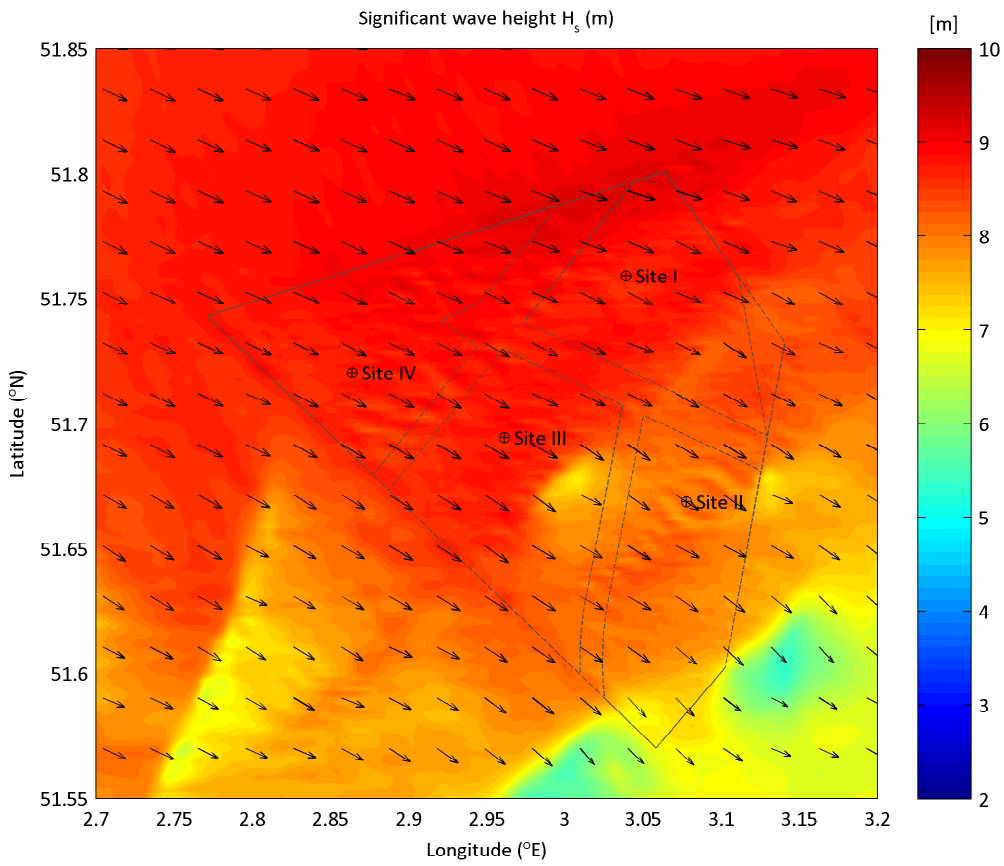
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 50yr

minimum still water level

Deltares

App. B.4.077



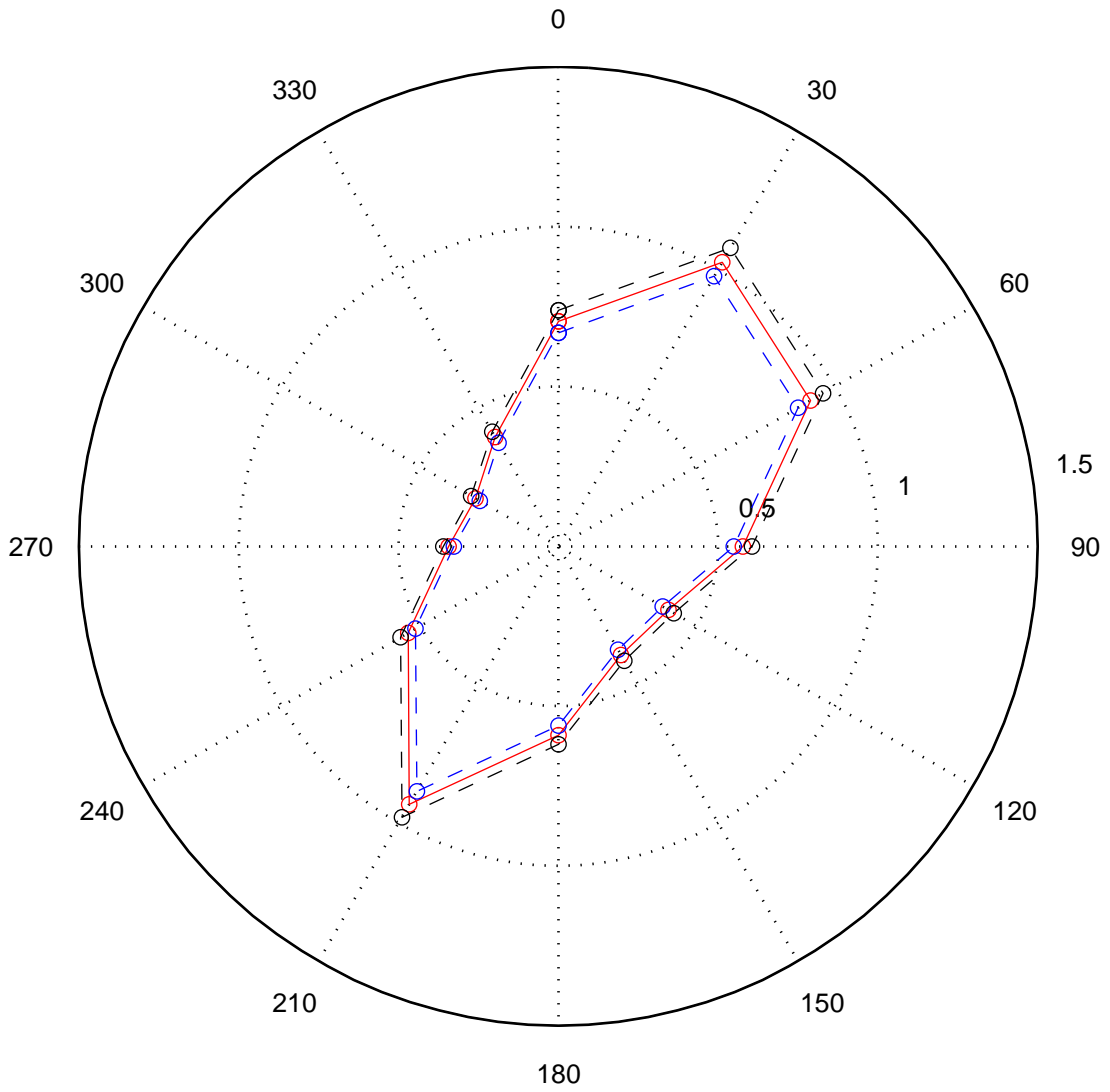
Extreme wave condition from SectorOMNI
 upper plot: Significant wave height H_s (m) - lower plot: peak wave period T_p (s)
 Nautical convention: coming from, clockwise from North

RP: 100yr

minimum still water level

Deltares

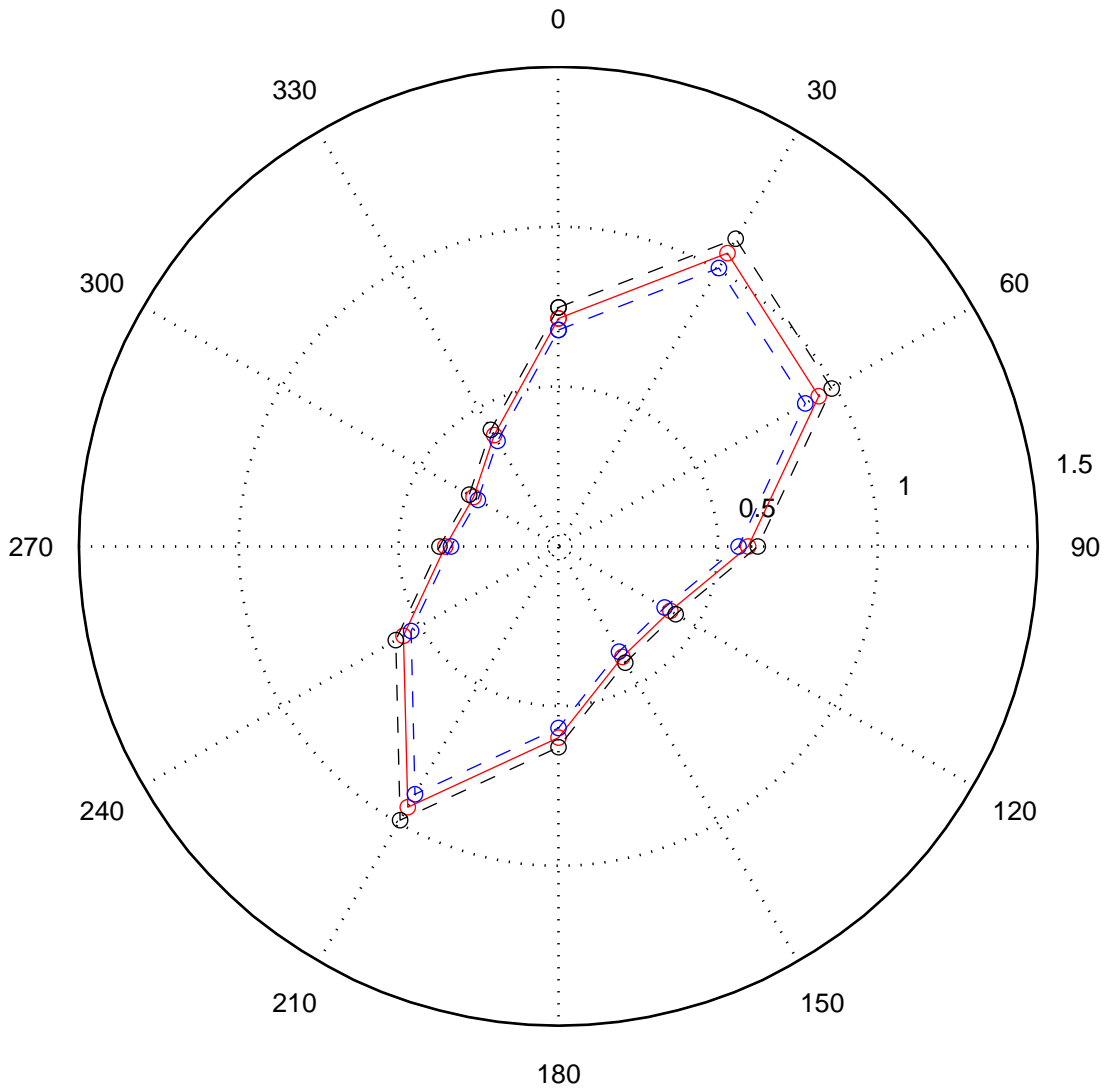
App. B.4.078



Directional extremes of UMAG based on GPD fits

UMAG

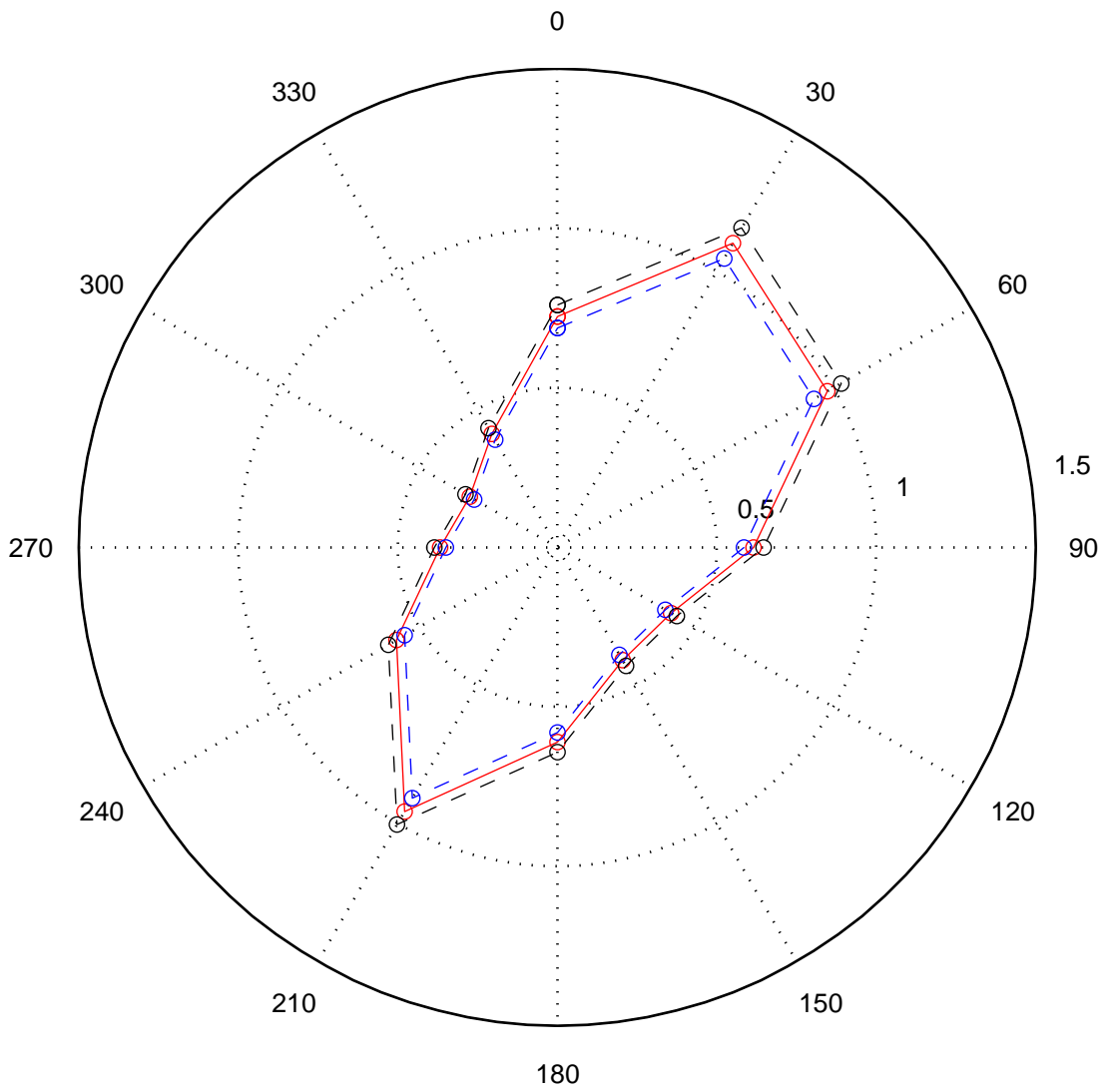
RP 1yr




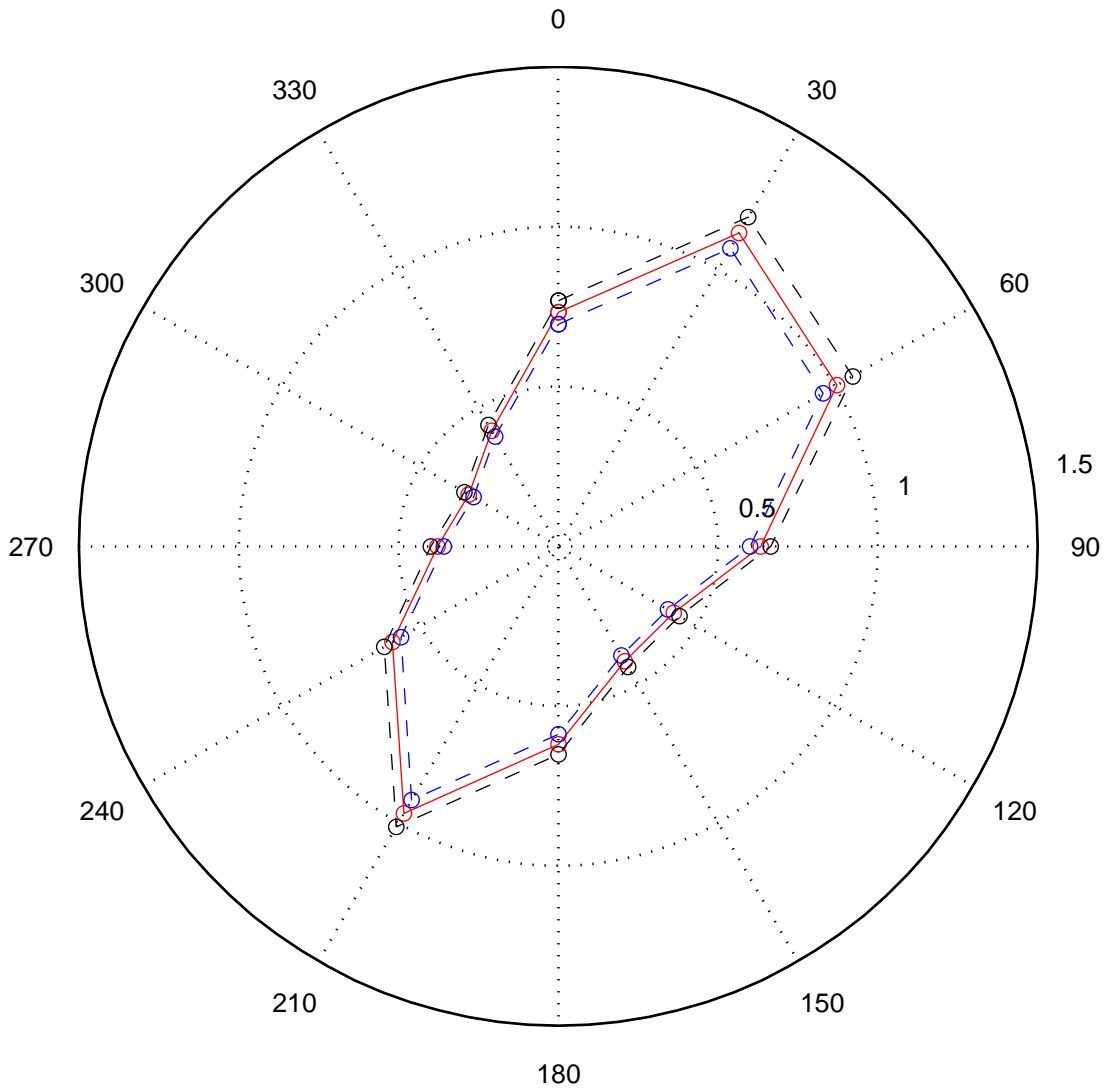
Directional extremes of UMAG based on GPD fits

UMAG

RP 2yr



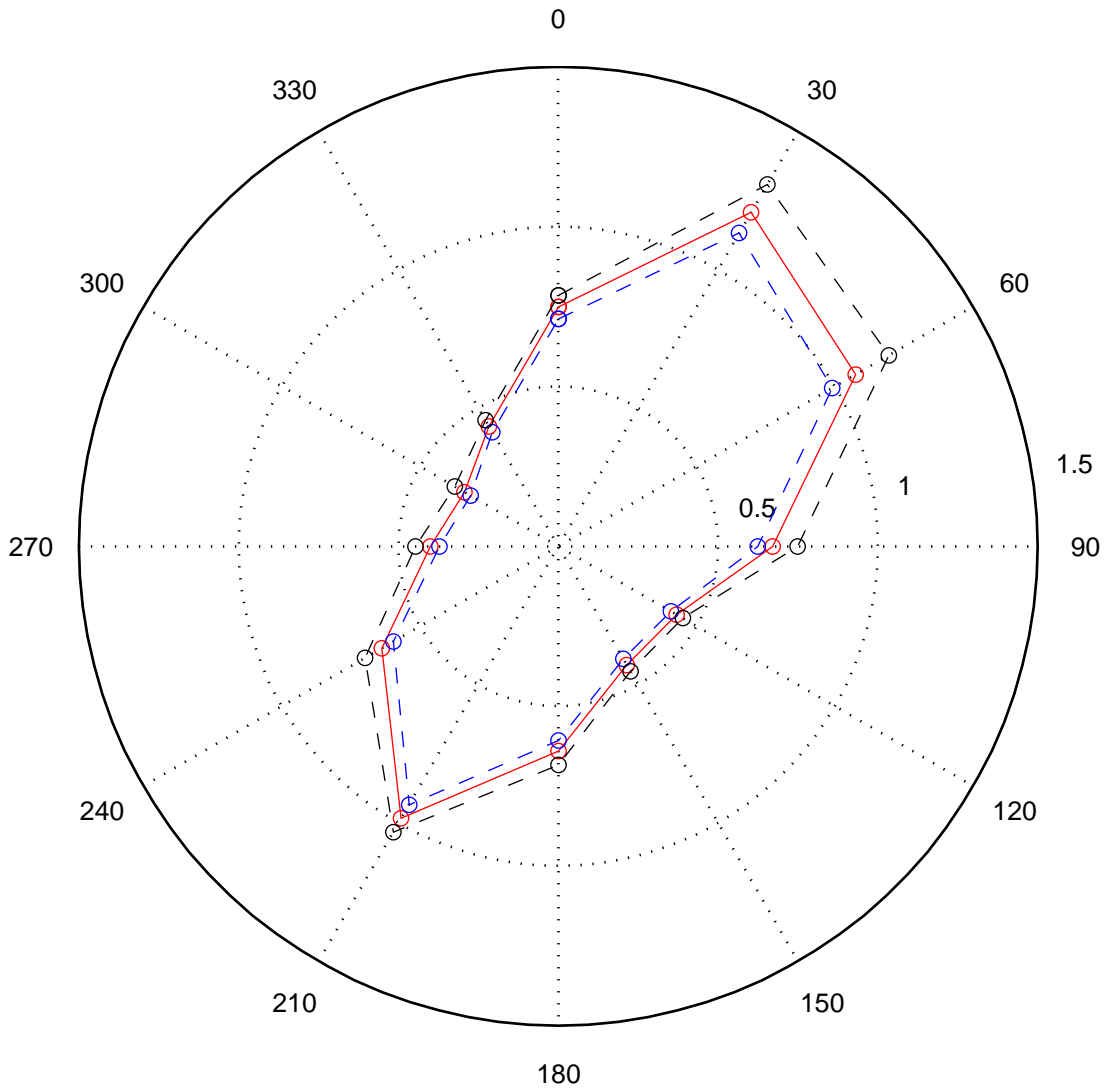
Directional extremes of U-MAG based on GPD fits	UMAG	RP 5yr
	App. C.1.003	



Directional extremes of UMAG based on GPD fits

UMAG

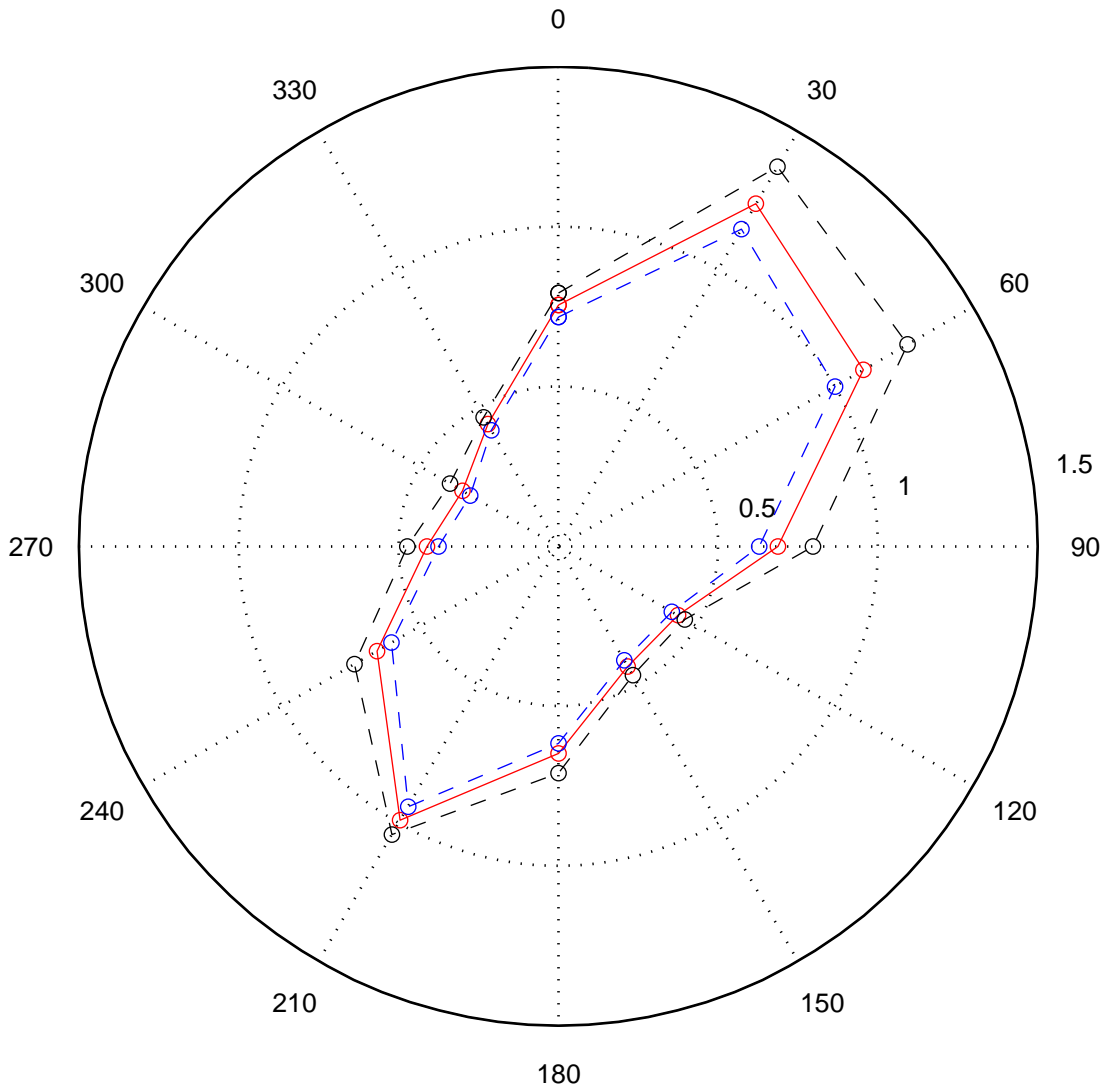
RP 10yr



Directional extremes of UMAG based on GPD fits

UMAG

RP 50yr



Directional extremes of UMAG based on GPD fits

UMAG

RP 100yr

		u _{dir} (°N – "going to")												
		N	NNE	ENE	E	ESE	SSE	S	SWS	WSW	W	WNW	NNW	
u _{mag} (m/s)	>1.6		0.00											0.00
	1.5–1.6		0.01	0.00										0.01
	1.4–1.5		0.03	0.00										0.03
	1.3–1.4		0.10	0.01					0.00					0.12
	1.2–1.3		0.37	0.03					0.03					0.43
	1.1–1.2	0.00	0.98	0.11	0.00			0.00	0.27					1.35
	1.0–1.1	0.01	2.04	0.28	0.00			0.00	1.30					3.64
	0.9–1.0	0.06	3.42	0.61	0.00			0.02	3.06	0.00				7.17
	0.8–0.9	0.23	4.36	1.10	0.01			0.10	4.73	0.01				10.54
	0.7–0.8	0.64	4.45	1.53	0.05	0.00	0.00	0.34	5.69	0.08				12.78
	0.6–0.7	1.31	3.69	1.75	0.22	0.01	0.01	0.82	5.31	0.29	0.00		0.00	13.41
	0.5–0.6	2.01	2.38	1.55	0.62	0.06	0.09	1.53	3.87	0.72	0.02	0.00	0.06	12.91
	0.4–0.5	2.24	1.29	1.06	1.05	0.40	0.50	1.87	2.31	1.23	0.19	0.06	0.44	12.64
	0.3–0.4	1.74	0.58	0.56	1.02	0.91	1.08	1.38	1.17	1.36	0.77	0.56	1.17	12.30
	0.2–0.3	0.93	0.27	0.20	0.48	0.72	0.73	0.56	0.54	0.93	1.03	1.03	1.18	8.61
	0.1–0.2	0.31	0.12	0.07	0.12	0.19	0.19	0.17	0.22	0.37	0.53	0.60	0.54	3.43
	0.0–0.1	0.06	0.04	0.03	0.03	0.03	0.04	0.04	0.05	0.07	0.09	0.09	0.08	0.64
		9.53	24.12	8.90	3.60	2.32	2.63	6.83	28.54	5.08	2.62	2.35	3.48	100.00
All Year, at 100% of the total water depth														Total

Joint occurrence table of current velocity vs. current direction
 Oceanographic convention: going to, clockwise from North

All Year

100% of the total water depth

Deltares

App. C.2.001

u_{dir} (°N – "going to")

	N	NNE	ENE	E	ESE	SSE	S	SWS	WSW	W	WNW	NNW	
>1.6													
1.5–1.6		0.00											0.00
1.4–1.5		0.00	0.00										0.00
1.3–1.4		0.02	0.00										0.03
1.2–1.3		0.11	0.01					0.00					0.12
1.1–1.2		0.45	0.03					0.04					0.52
1.0–1.1	0.00	1.36	0.12	0.00				0.55					2.02
0.9–1.0	0.01	2.93	0.37	0.00			0.00	2.32					5.63
0.8–0.9	0.08	4.55	0.85	0.00			0.02	4.54	0.00				10.05
0.7–0.8	0.40	5.03	1.45	0.01			0.12	6.17	0.02				13.20
0.6–0.7	1.11	4.37	1.83	0.10	0.00	0.00	0.51	6.25	0.12				14.28
0.5–0.6	2.03	2.83	1.79	0.46	0.01	0.02	1.32	4.69	0.51	0.00		0.01	13.67
0.4–0.5	2.58	1.42	1.27	1.06	0.23	0.29	2.01	2.72	1.21	0.07	0.01	0.24	13.11
0.3–0.4	2.13	0.53	0.64	1.19	0.95	1.12	1.62	1.26	1.63	0.64	0.36	1.15	13.24
0.2–0.3	1.06	0.21	0.20	0.59	0.87	0.91	0.58	0.50	1.13	1.25	1.23	1.48	10.01
0.1–0.2	0.29	0.09	0.05	0.11	0.19	0.19	0.13	0.18	0.40	0.64	0.72	0.61	3.60
0.0–0.1	0.05	0.03	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.08	0.10	0.07	0.51
	9.74	23.94	8.63	3.54	2.27	2.56	6.33	29.26	5.08	2.68	2.43	3.55	100.00
													Total

All Year, at 75% of the total water depth

Joint occurrence table of current velocity vs. current direction
 Oceanographic convention: going to, clockwise from North

All Year

75% of the total water depth

Deltares

App. C.2.002

u_{dir} (°N – "going to")

	N	NNE	ENE	E	ESE	SSE	S	SWS	WSW	W	WNW	NNW	
>1.6													
1.5–1.6													
1.4–1.5													
1.3–1.4		0.00											0.00
1.2–1.3		0.02	0.00										0.02
1.1–1.2		0.09	0.00					0.00					0.10
1.0–1.1		0.48	0.02					0.05					0.56
0.9–1.0	0.00	1.85	0.13					0.99					2.97
0.8–0.9	0.01	4.13	0.48	0.00			0.00	3.71					8.33
0.7–0.8	0.14	5.60	1.19	0.00			0.01	6.23	0.00				13.17
0.6–0.7	0.76	5.32	1.83	0.03			0.16	7.21	0.02				15.32
0.5–0.6	1.87	3.68	2.04	0.25	0.00	0.00	0.90	6.01	0.25				15.01
0.4–0.5	2.87	1.73	1.60	0.92	0.07	0.08	2.06	3.46	1.04	0.01		0.06	13.90
0.3–0.4	2.68	0.56	0.82	1.39	0.83	0.99	2.03	1.43	1.92	0.37	0.13	0.92	14.07
0.2–0.3	1.29	0.17	0.23	0.75	1.11	1.18	0.69	0.48	1.47	1.50	1.34	1.88	12.10
0.1–0.2	0.28	0.06	0.04	0.12	0.22	0.21	0.10	0.14	0.42	0.79	0.91	0.75	4.05
0.0–0.1	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.07	0.08	0.07	0.40
	9.93	23.70	8.40	3.47	2.24	2.47	5.99	29.74	5.17	2.74	2.47	3.68	100.00
													Total

All Year, at 50% of the total water depth

Joint occurrence table of current velocity vs. current direction
 Oceanographic convention: going to, clockwise from North

All Year

50% of the total water depth

Deltares

App. C.2.003

		u _{dir} (°N – "going to")												
		N	NNE	ENE	E	ESE	SSE	S	SWS	WSW	W	WNW	NNW	
u _{mag} (m/s)	>1.6													
	1.5–1.6													
	1.4–1.5													
	1.3–1.4													
	1.2–1.3													
	1.1–1.2		0.00	0.00										0.00
	1.0–1.1		0.03	0.00										0.03
	0.9–1.0		0.29	0.01					0.02					0.32
	0.8–0.9		1.98	0.08					1.14					3.20
	0.7–0.8	0.00	5.19	0.53	0.00			0.00	4.99					10.71
	0.6–0.7	0.19	6.61	1.49	0.00			0.01	7.76	0.00				16.06
	0.5–0.6	1.32	5.44	2.20	0.05			0.25	8.03	0.02				17.31
	0.4–0.5	2.87	2.84	2.17	0.53	0.00	0.00	1.66	5.39	0.53	0.00		0.00	15.98
	0.3–0.4	3.53	0.83	1.27	1.51	0.40	0.48	2.59	2.09	2.02	0.06	0.00	0.39	15.16
0.2–0.3	1.85	0.15	0.37	1.14	1.41	1.60	1.14	0.55	2.10	1.55	1.14	2.27	15.26	
0.1–0.2	0.30	0.03	0.04	0.19	0.37	0.34	0.11	0.12	0.54	1.15	1.32	1.09	5.61	
0.0–0.1	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.07	0.08	0.05	0.33	
		10.09	23.40	8.17	3.43	2.19	2.42	5.76	30.10	5.25	2.83	2.55	3.80	100.00
		All Year, at 25% of the total water depth												Total

Joint occurrence table of current velocity vs. current direction
 Oceanographic convention: going to, clockwise from North

All Year

25% of the total water depth

Deltares

App. C.2.004

u_{dir} (°N – "going to")

	N	NNE	ENE	E	ESE	SSE	S	SWS	WSW	W	WNW	NNW	
>1.6													
1.5–1.6													
1.4–1.5													
1.3–1.4													
1.2–1.3													
1.1–1.2													
1.0–1.1													
0.9–1.0													
0.8–0.9		0.01	0.00										0.01
0.7–0.8		0.23	0.00					0.01					0.25
0.6–0.7		3.45	0.14					2.75					6.34
0.5–0.6	0.04	8.20	1.22				0.00	8.92					18.39
0.4–0.5	1.37	7.37	2.63	0.03			0.13	10.42	0.01				21.95
0.3–0.4	3.91	3.29	2.69	0.75	0.00	0.00	2.16	6.48	0.81	0.00		0.00	20.10
0.2–0.3	4.04	0.53	1.18	1.95	1.09	1.29	2.86	1.54	3.15	0.48	0.12	1.39	19.62
0.1–0.2	0.85	0.04	0.14	0.64	1.06	1.06	0.43	0.20	1.33	2.27	2.34	2.39	12.76
0.0–0.1	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.06	0.13	0.17	0.10	0.59
	10.23	23.13	8.01	3.38	2.17	2.36	5.59	30.35	5.35	2.89	2.63	3.88	100.00
													Total

All Year, at 5% of the total water depth

Joint occurrence table of current velocity vs. current direction
 Oceanographic convention: going to, clockwise from North

All Year

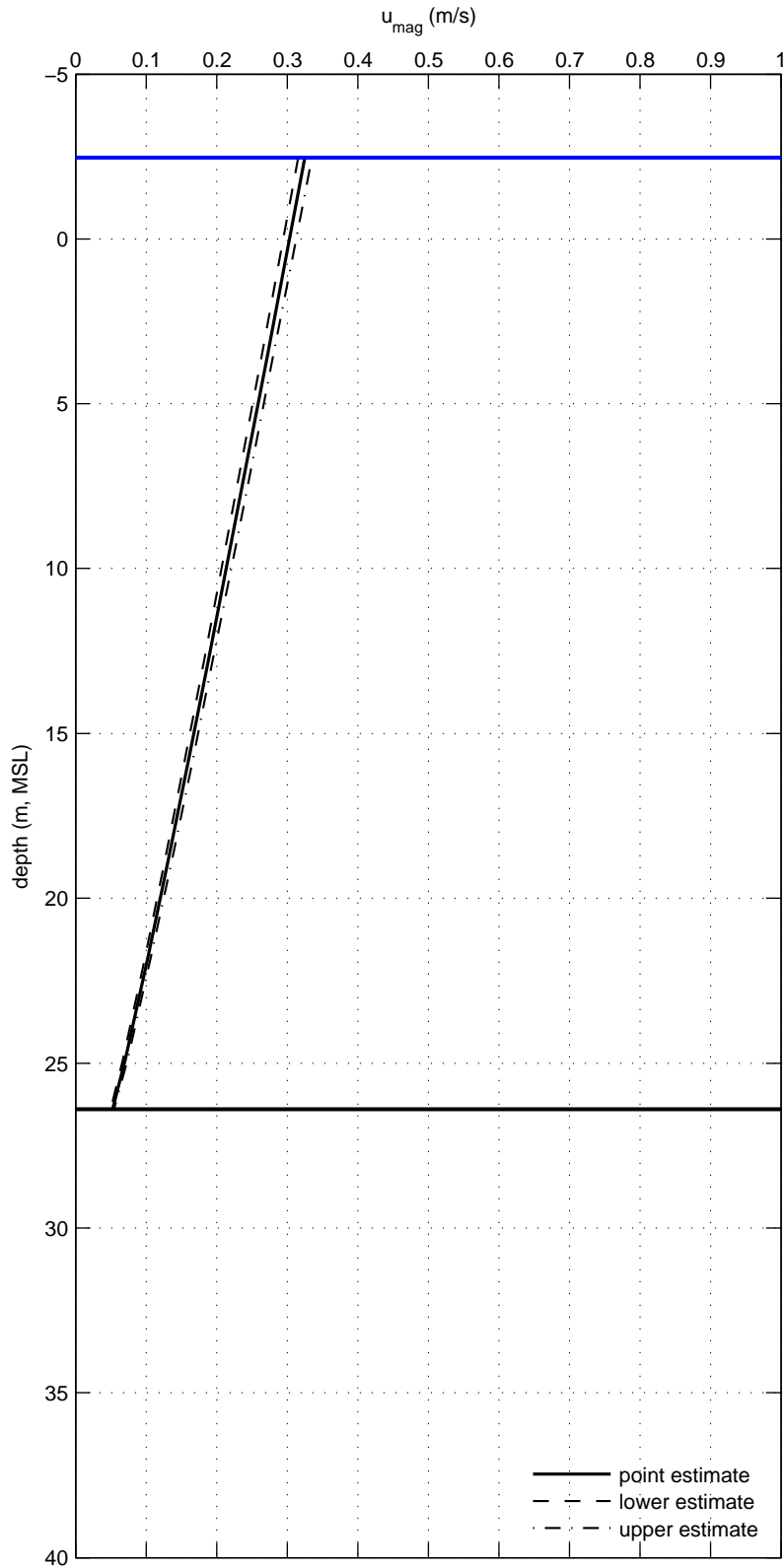
5% of the total water depth

Deltares

App. C.2.005

RP = 1 yr (U10 = 16.3 m/s)

Dir sector N



Current profile for directional sector N

RP = 1 yr

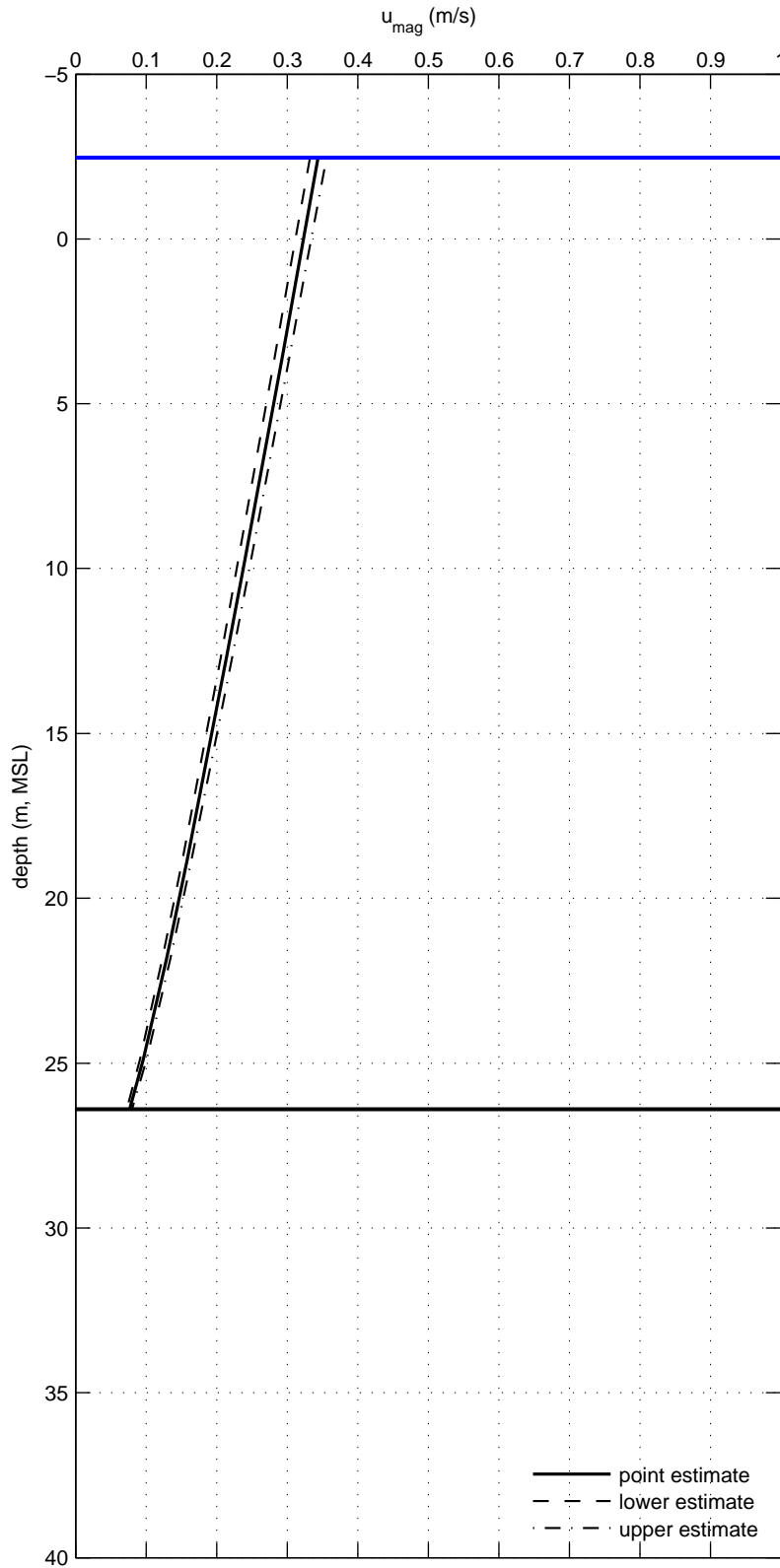
U10 = 16.3 m/s

Deltares

App. C.3.001

RP = 1 yr (U10 = 15.1 m/s)

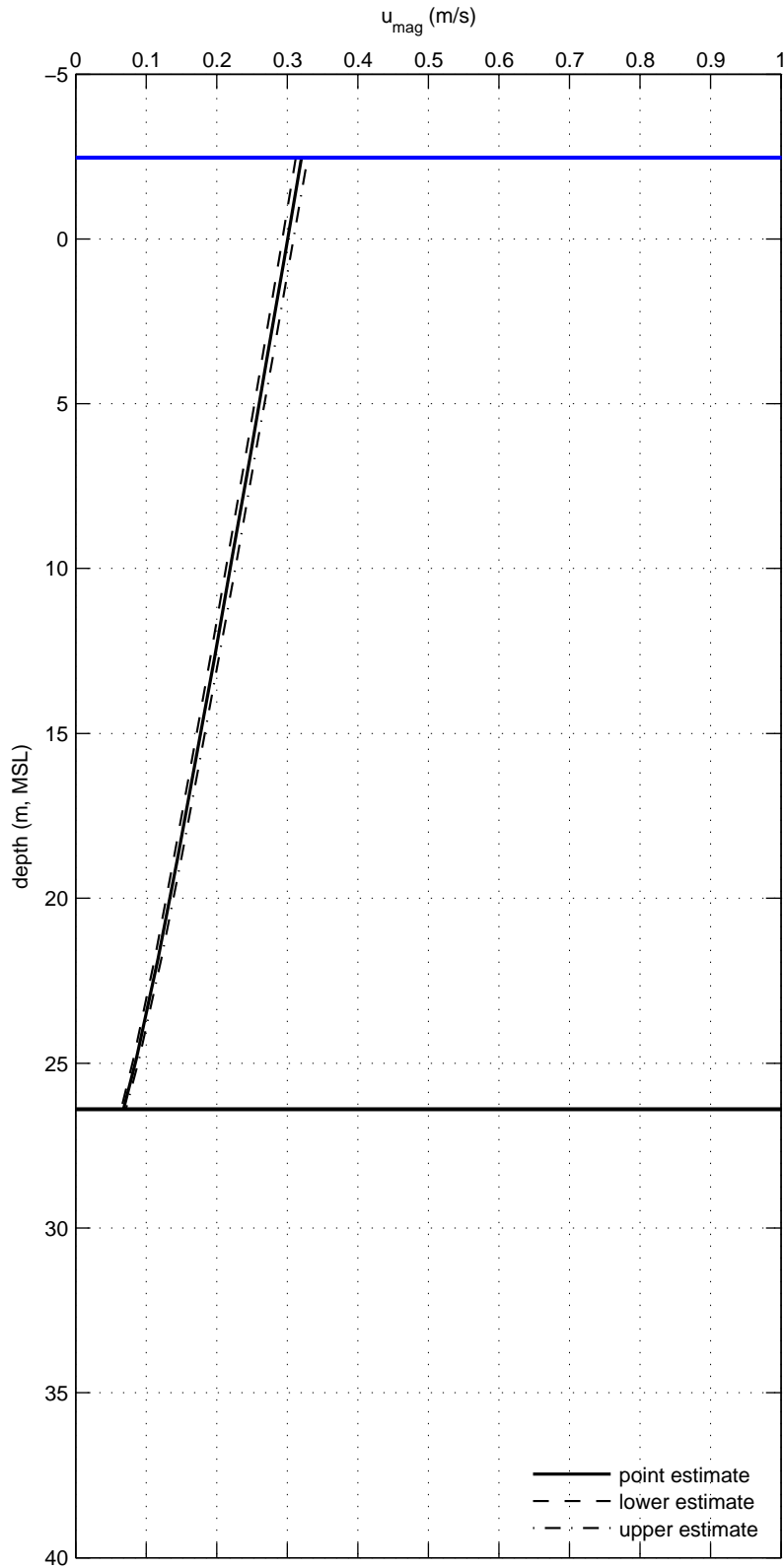
Dir sector NNE



Current profile for directional sector NNE	RP = 1 yr	U10 = 15.1 m/s
Deltares		App. C.3.002

RP = 1 yr (U10 = 14.4 m/s)

Dir sector ENE



Current profile for directional sector ENE

RP = 1 yr

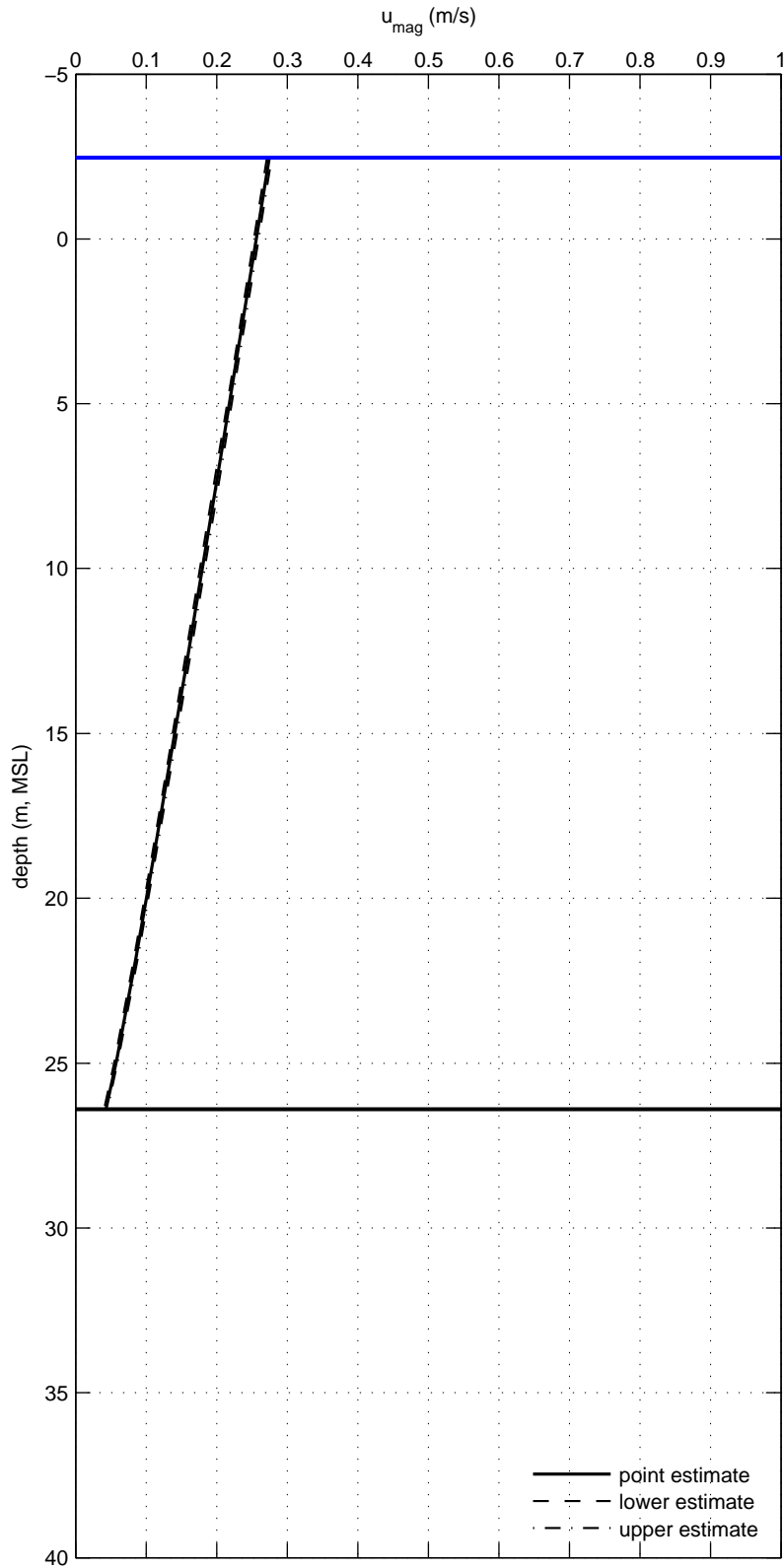
U10 = 14.4 m/s

Deltares

App. C.3.003

RP = 1 yr (U10 = 13.9 m/s)

Dir sector E



Current profile for directional sector E

RP = 1 yr

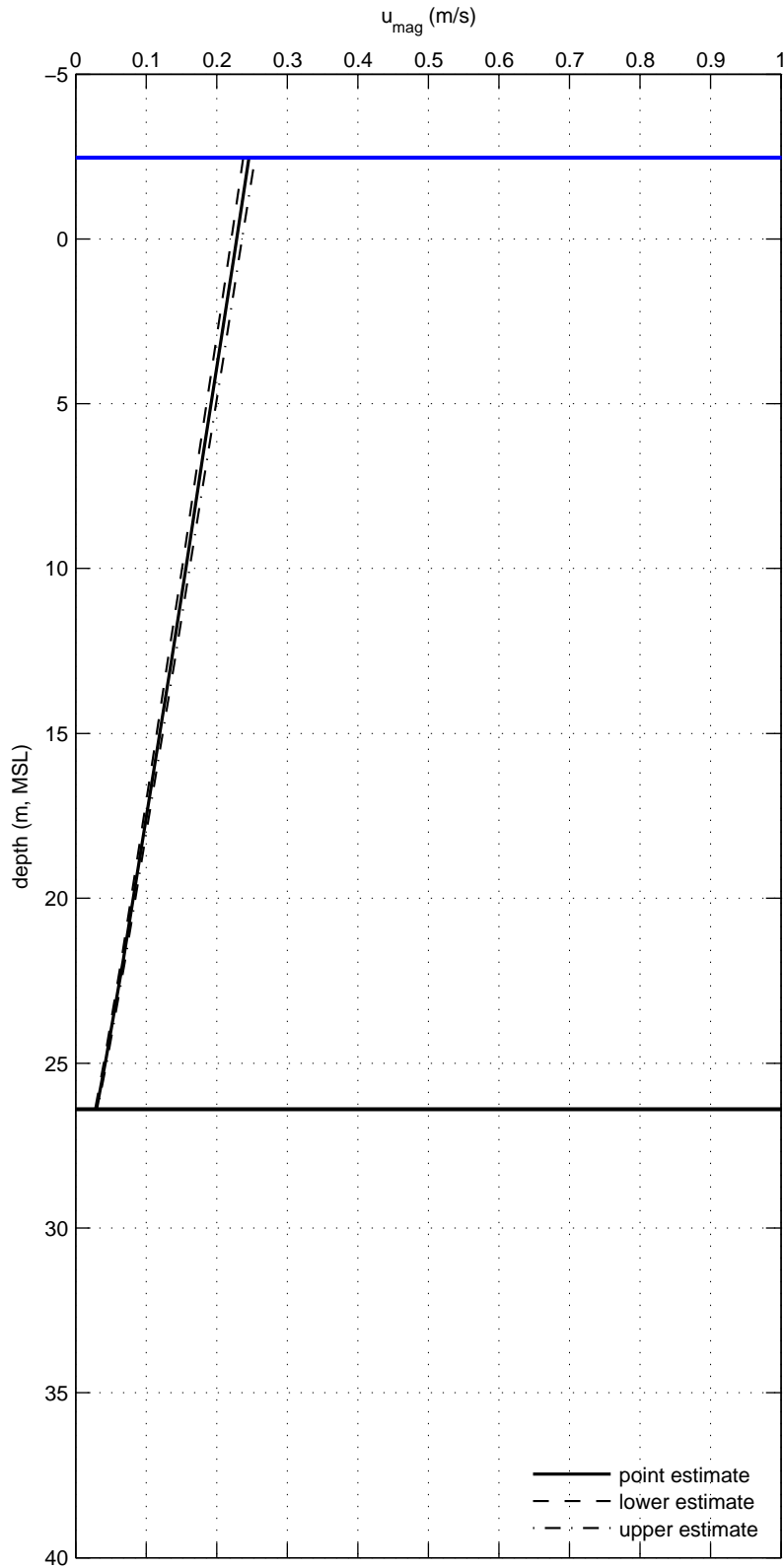
U10 = 13.9 m/s

Deltares

App. C.3.004

RP = 1 yr (U10 = 13.4 m/s)

Dir sector ESE



Current profile for directional sector ESE

RP = 1 yr

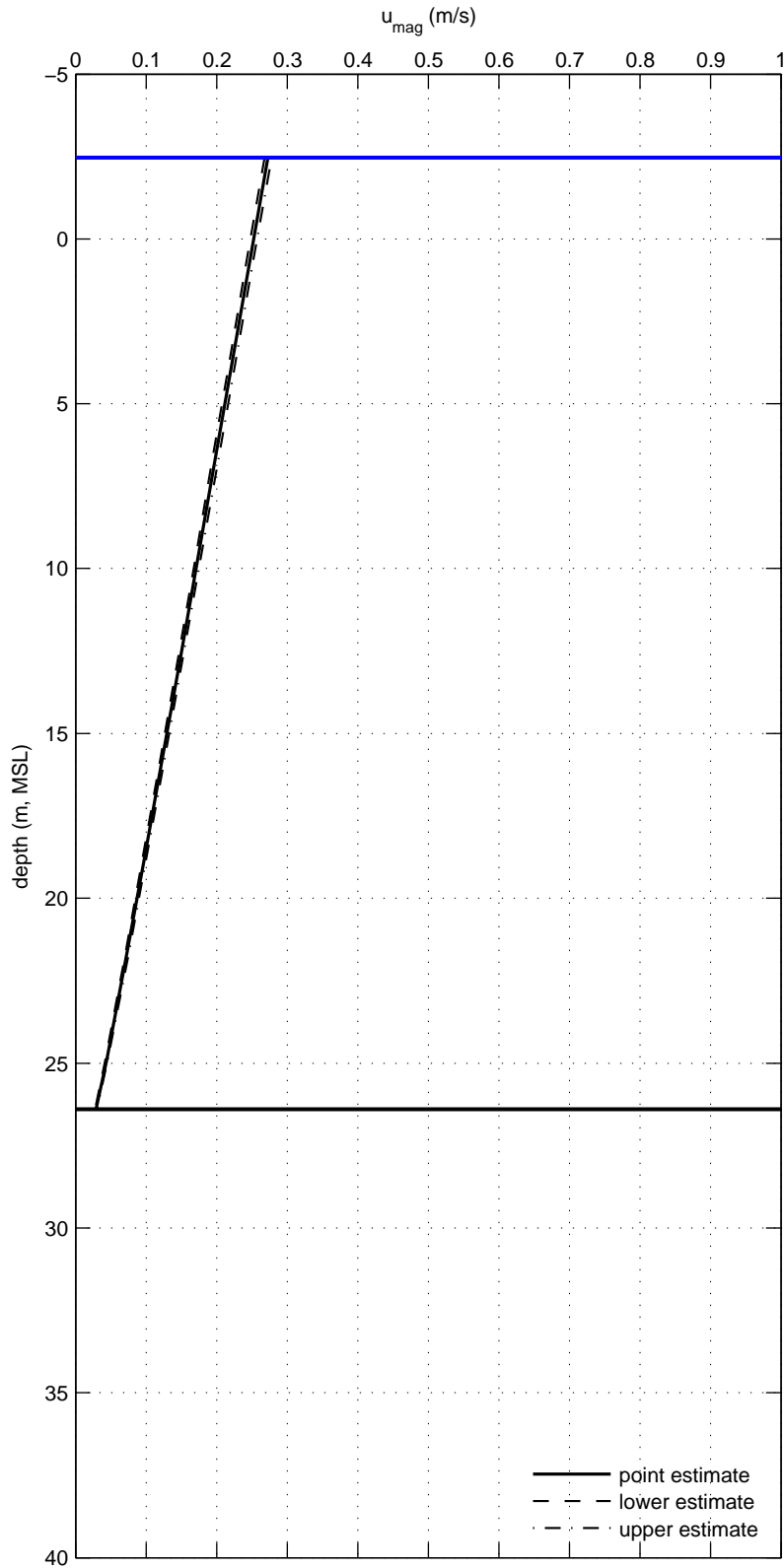
U10 = 13.4 m/s

Deltares

App. C.3.005

RP = 1 yr (U10 = 15.2 m/s)

Dir sector SSE



Current profile for directional sector SSE

RP = 1 yr

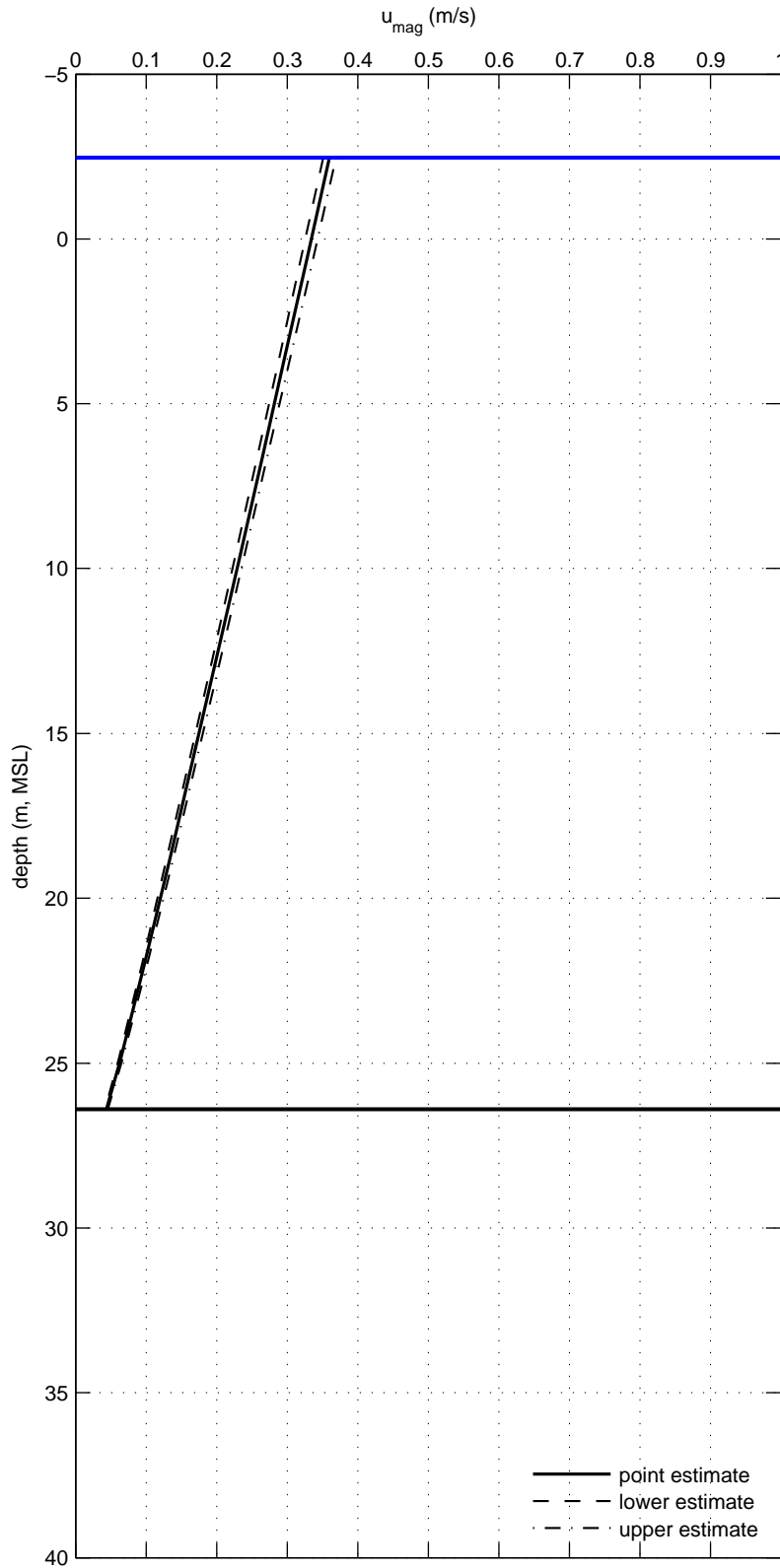
U10 = 15.2 m/s

Deltares

App. C.3.006

RP = 1 yr (U10 = 19.5 m/s)

Dir sector S



Current profile for directional sector S

RP = 1 yr

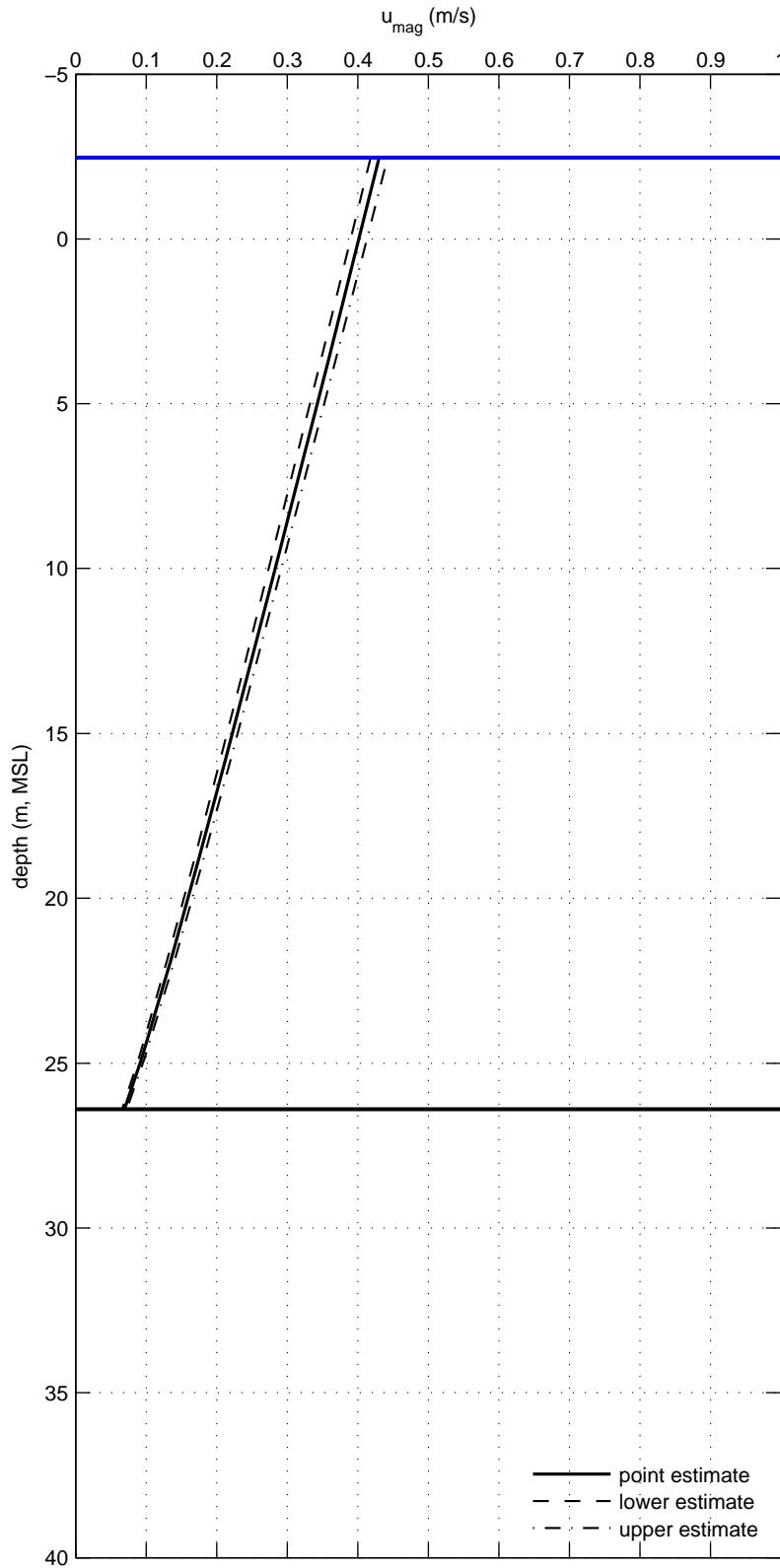
U10 = 19.5 m/s

Deltares

App. C.3.007

RP = 1 yr (U10 = 21.6 m/s)

Dir sector SSW



Current profile for directional sector SSW

RP = 1 yr

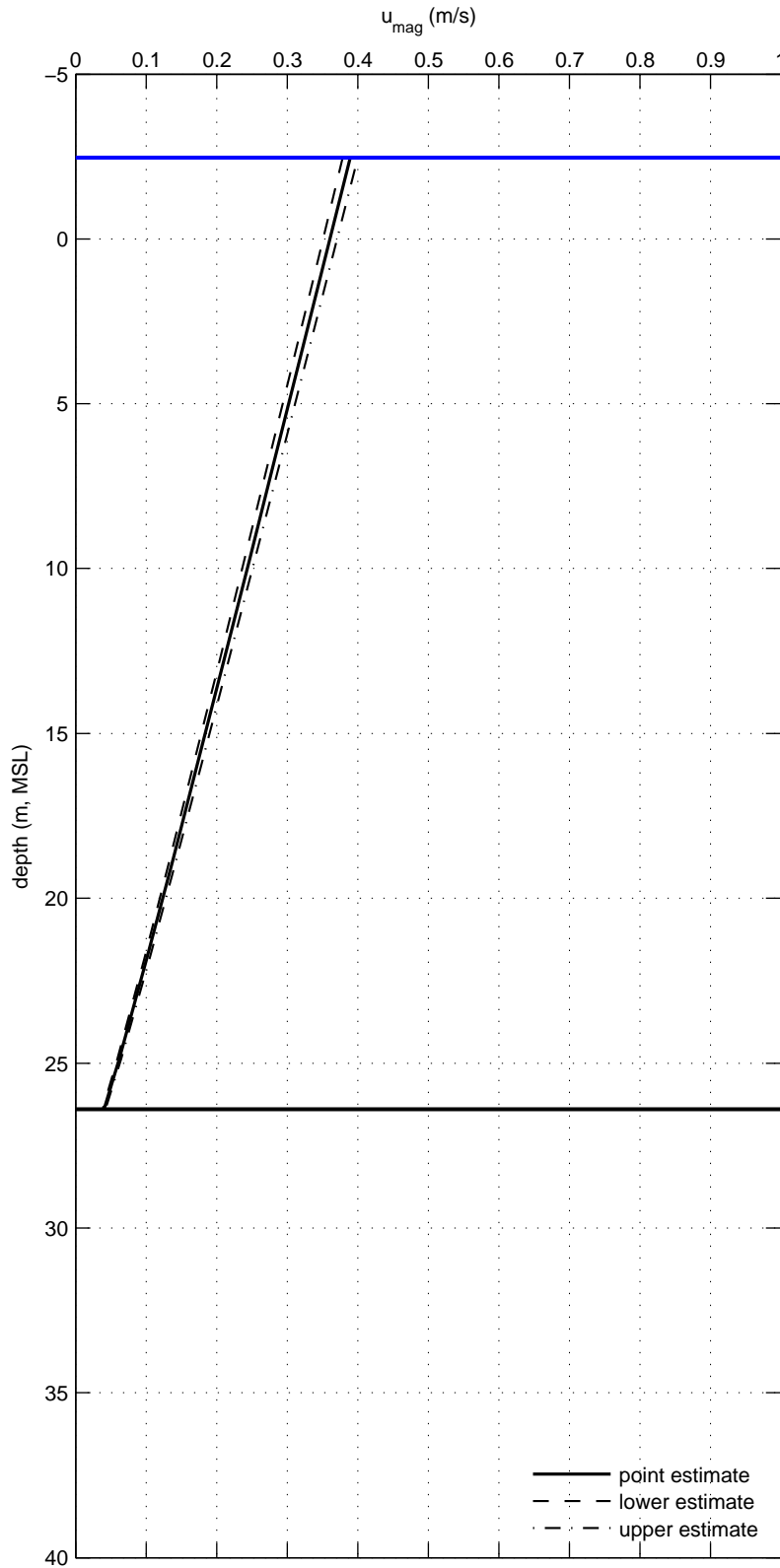
U10 = 21.6 m/s

Deltares

App. C.3.008

RP = 1 yr (U10 = 21.8 m/s)

Dir sector WSW



Current profile for directional sector WSW

RP = 1 yr

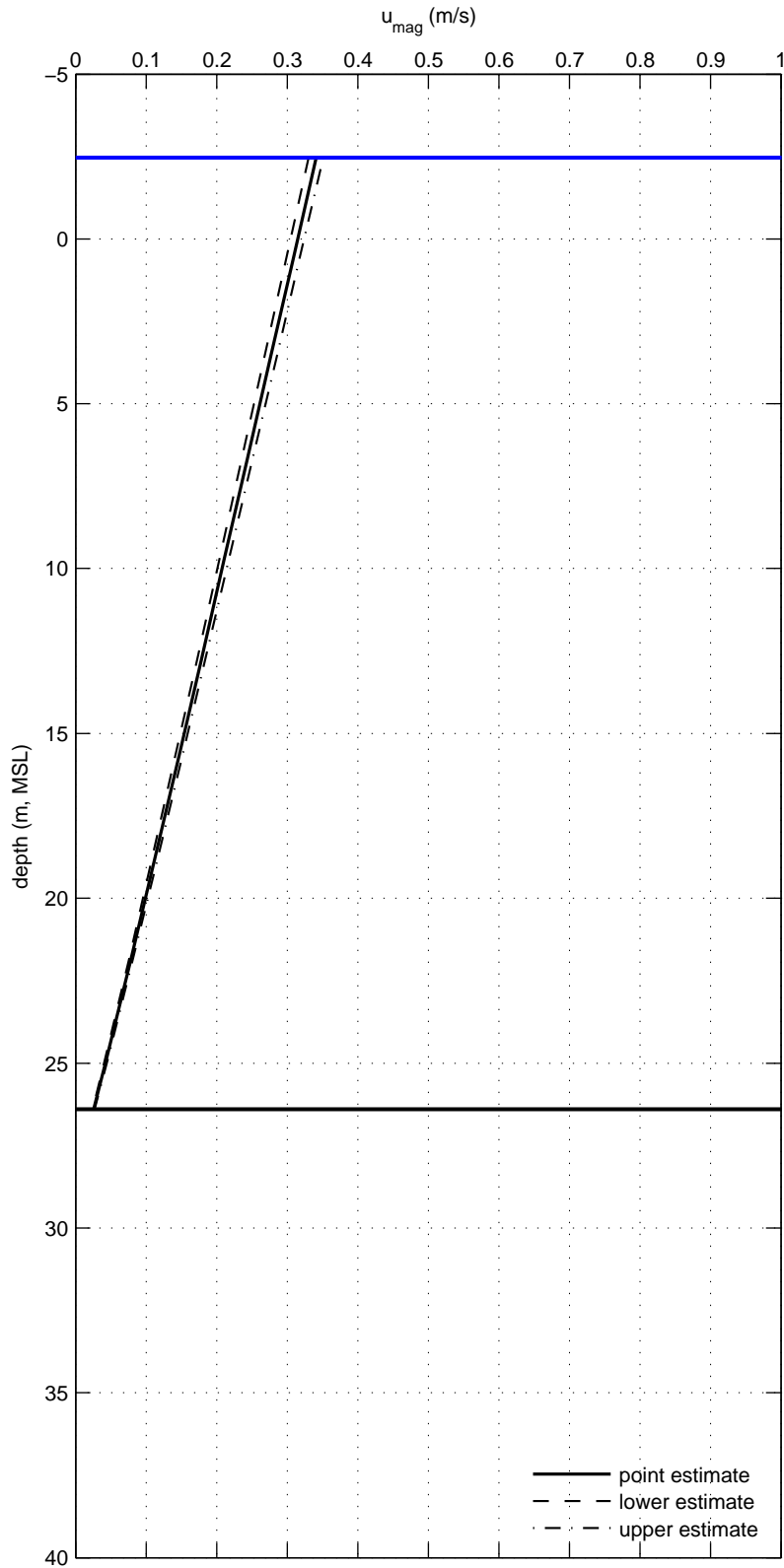
U10 = 21.8 m/s

Deltares

App. C.3.009

RP = 1 yr (U10 = 20.1 m/s)

Dir sector W



Current profile for directional sector W

RP = 1 yr

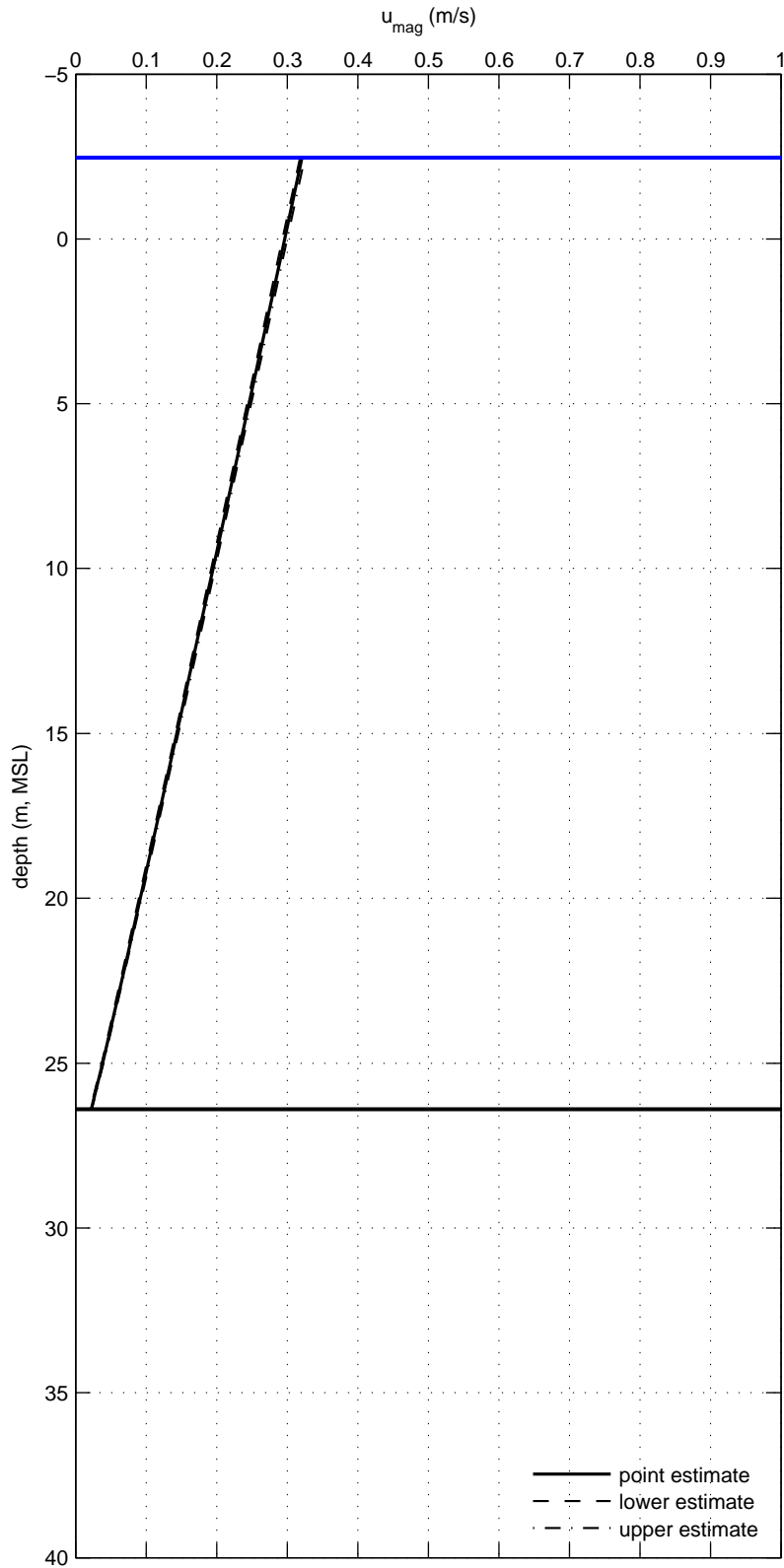
U10 = 20.1 m/s

Deltares

App. C.3.010

RP = 1 yr (U10 = 19.1 m/s)

Dir sector WNW



Current profile for directional sector WNW

RP = 1 yr

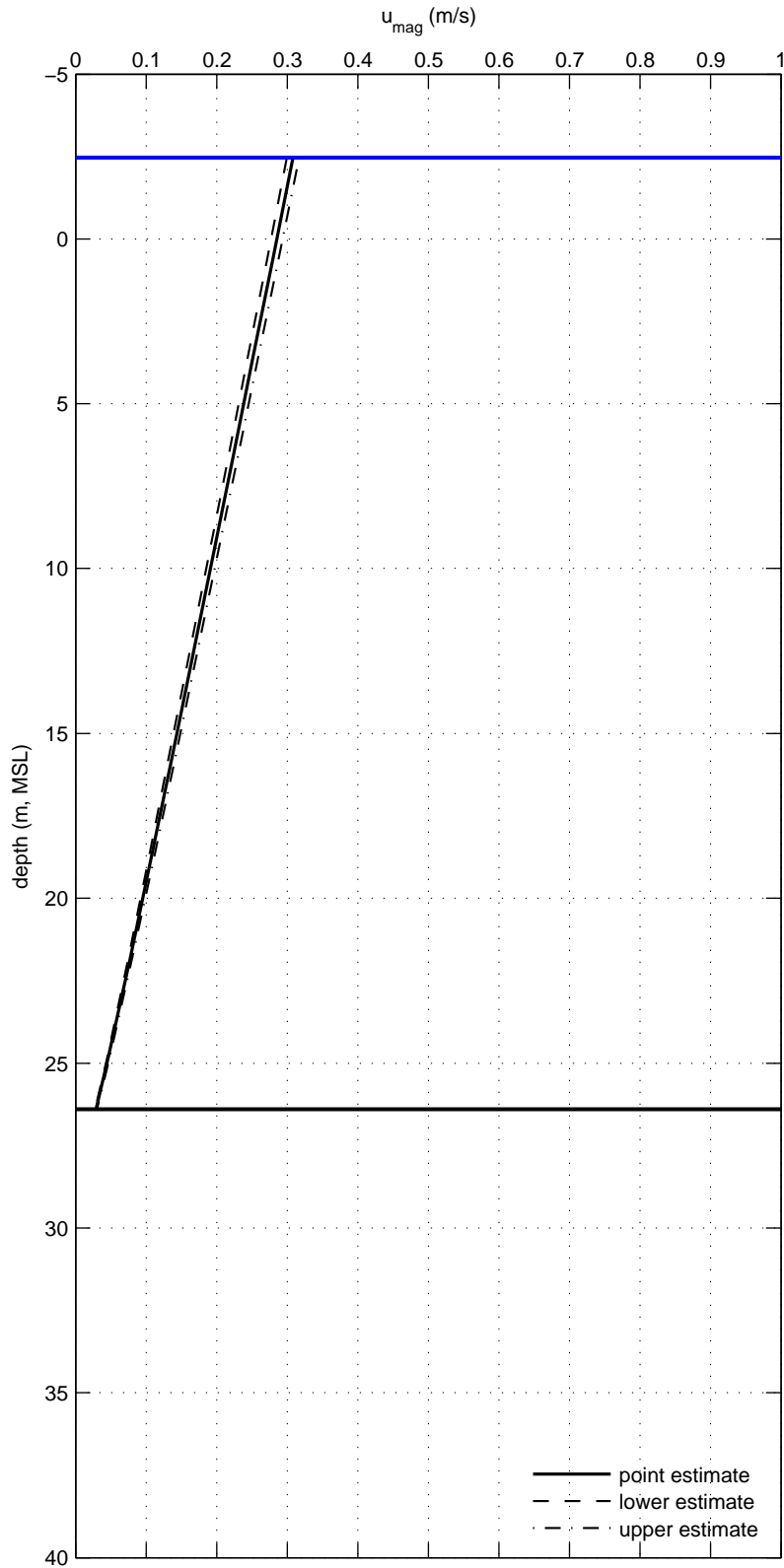
U10 = 19.1 m/s

Deltares

App. C.3.011

RP = 1 yr (U10 = 17.6 m/s)

Dir sector NNW



Current profile for directional sector NNW

RP = 1 yr

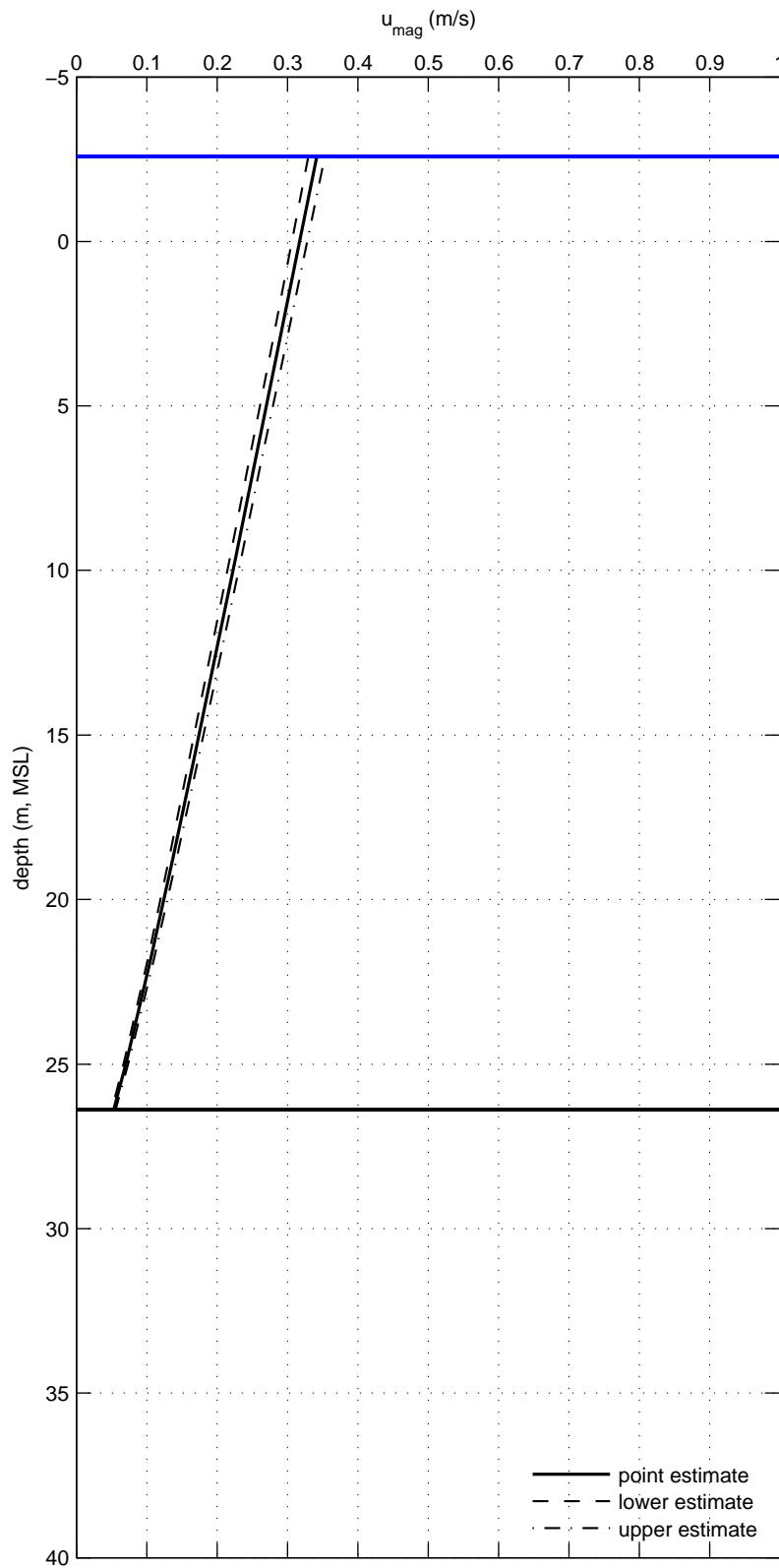
U10 = 17.6 m/s

Deltares

App. C.3.012

RP = 2 yr (U10 = 17.4 m/s)

Dir sector N



Current profile for directional sector N

RP = 2 yr

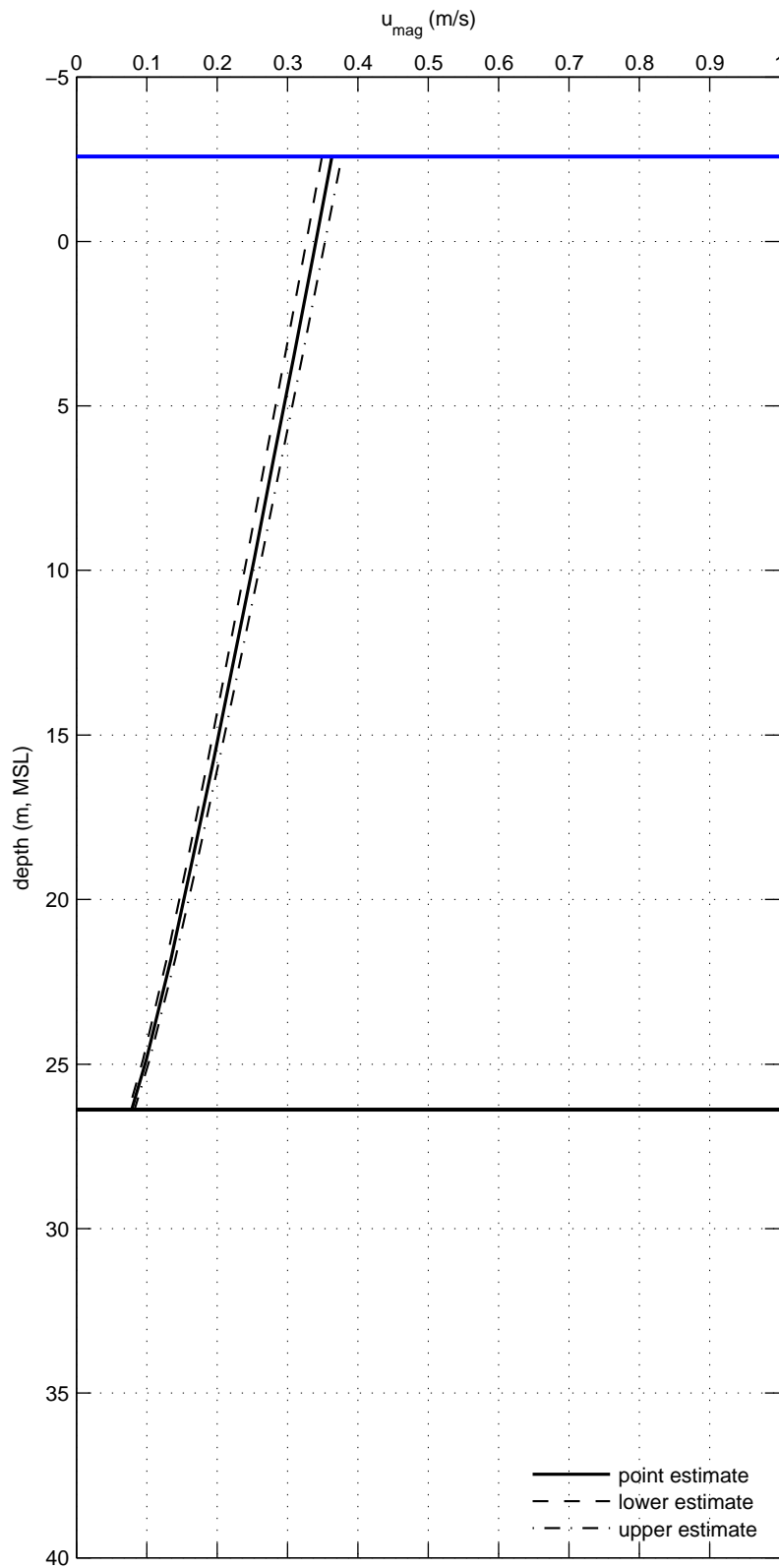
U10 = 17.4 m/s

Deltares

App. C.3.013

RP = 2 yr (U10 = 16.2 m/s)

Dir sector NNE



Current profile for directional sector NNE

RP = 2 yr

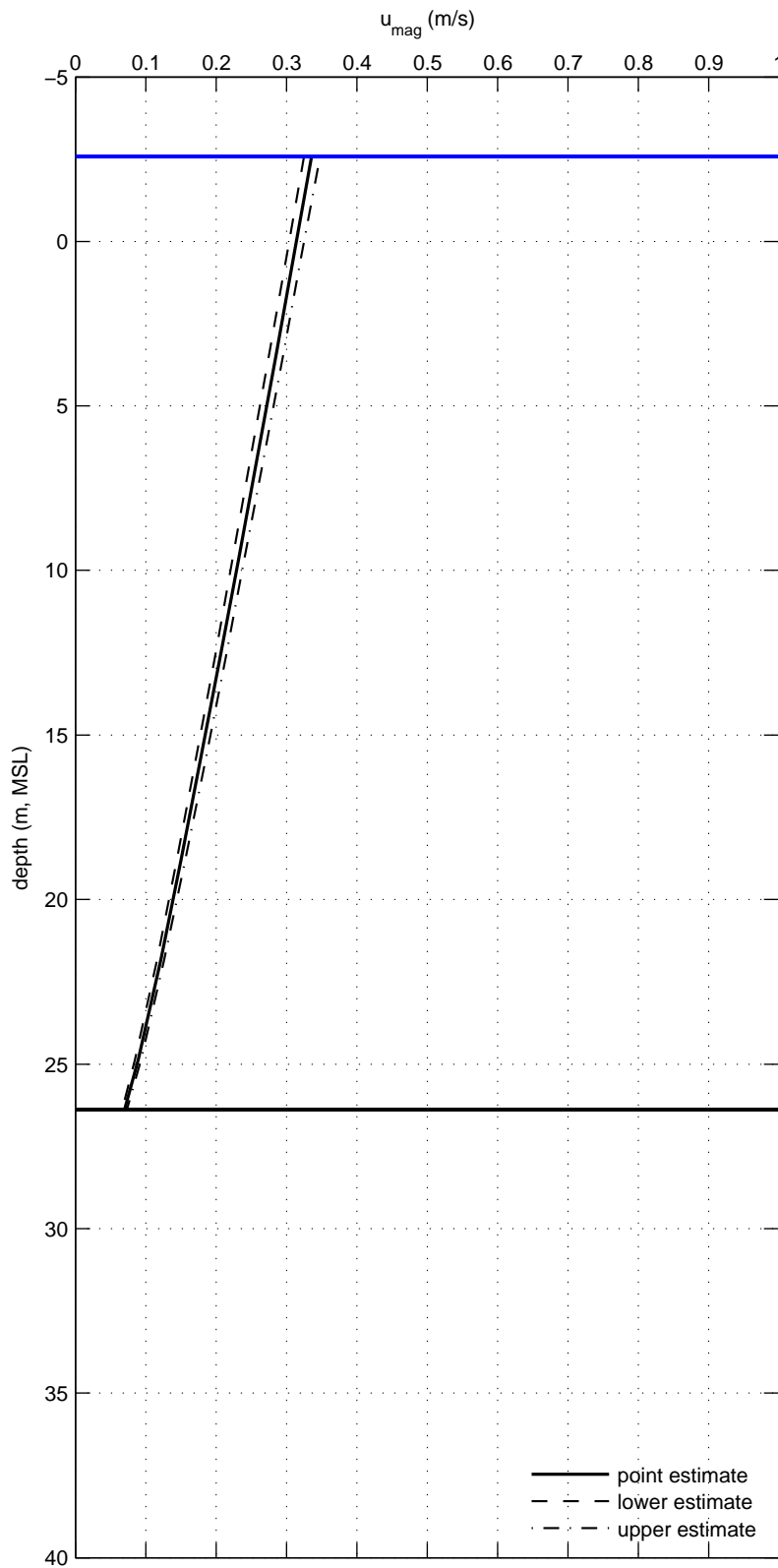
U10 = 16.2 m/s

Deltares

App. C.3.014

RP = 2 yr (U10 = 15.2 m/s)

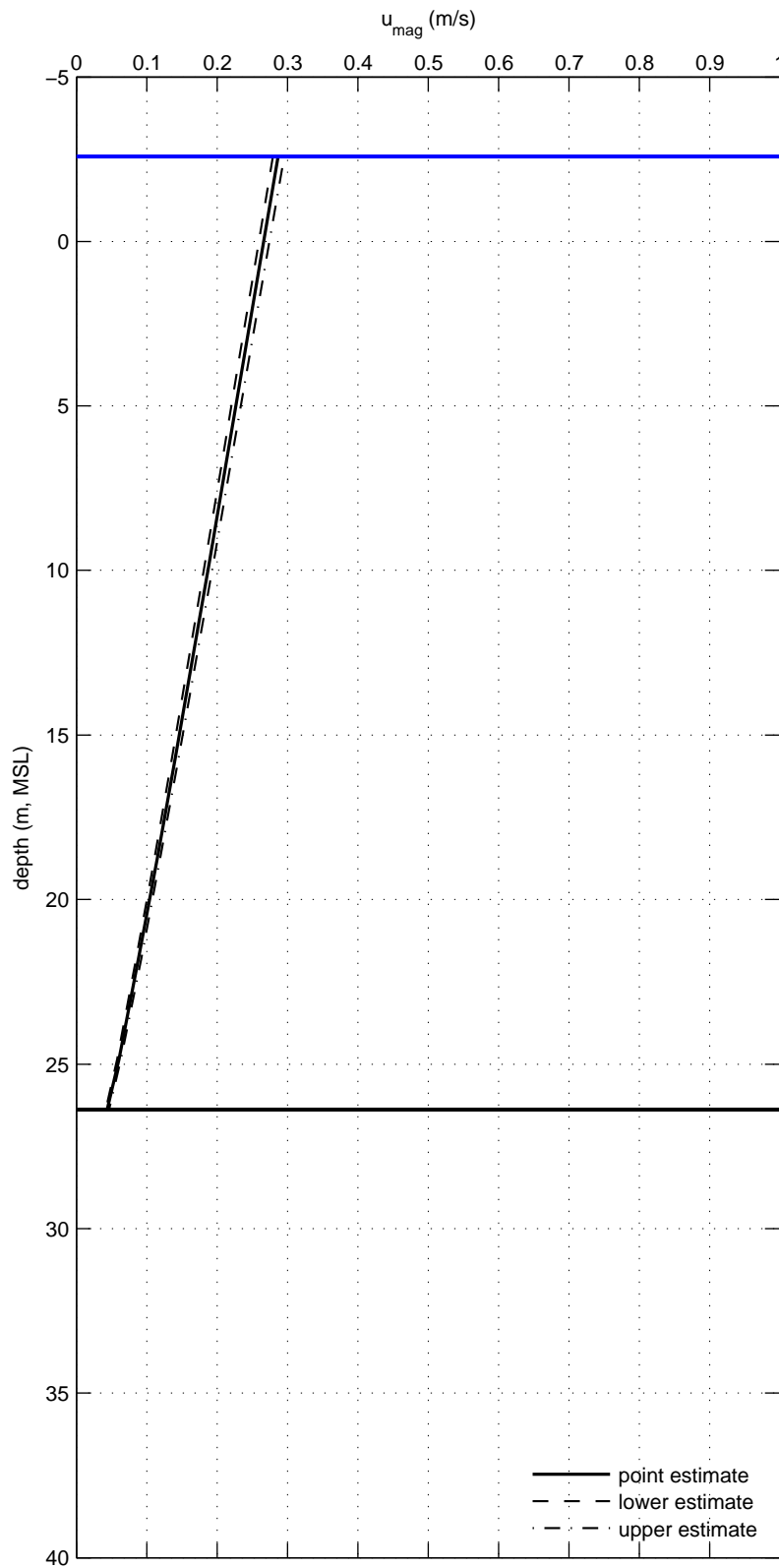
Dir sector ENE



Current profile for directional sector ENE	RP = 2 yr	U10 = 15.2 m/s
Deltares		App. C.3.015

RP = 2 yr (U10 = 14.6 m/s)

Dir sector E



Current profile for directional sector E

RP = 2 yr

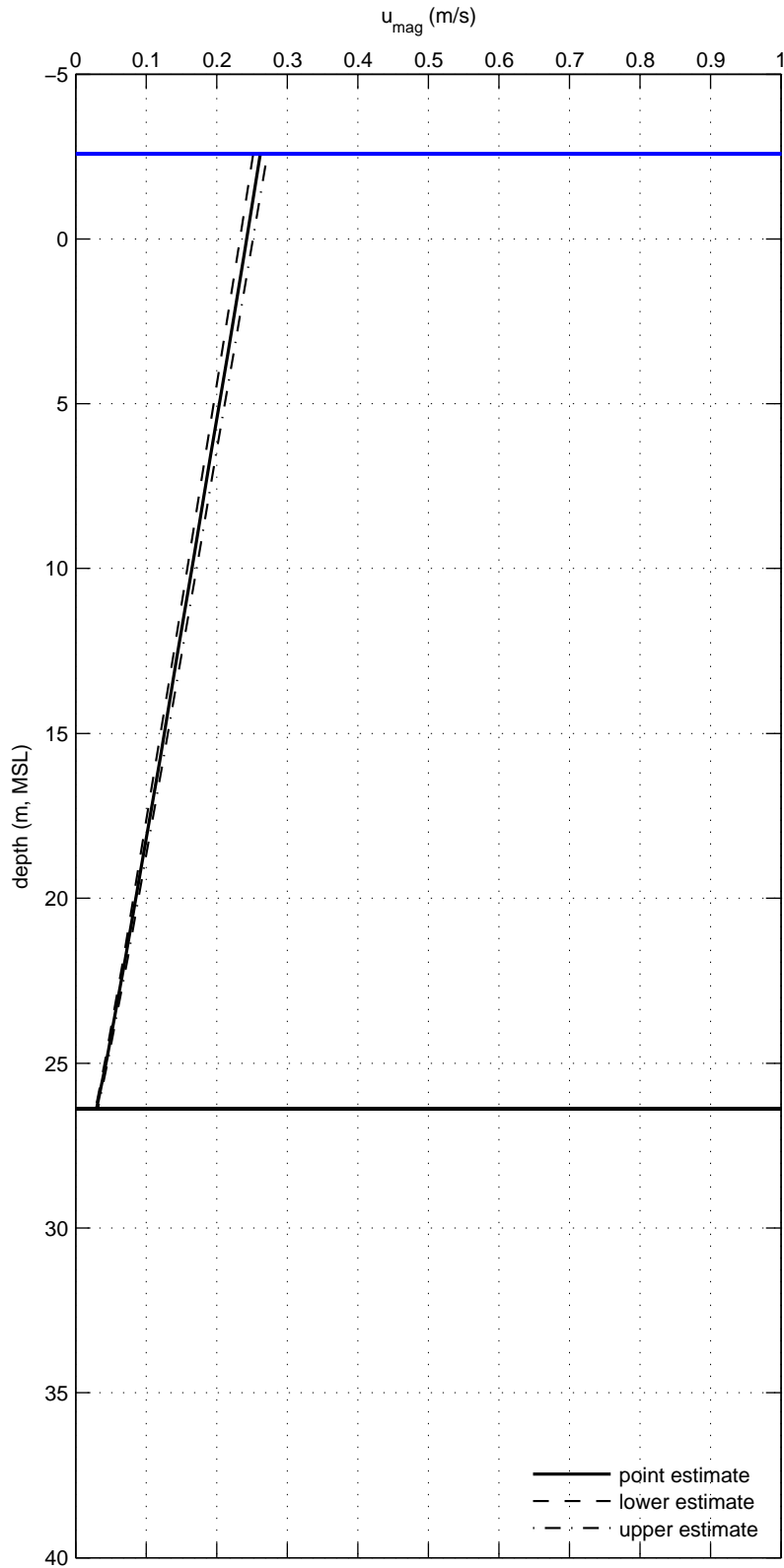
U10 = 14.6 m/s

Deltares

App. C.3.016

RP = 2 yr (U10 = 14.4 m/s)

Dir sector ESE



Current profile for directional sector ESE

RP = 2 yr

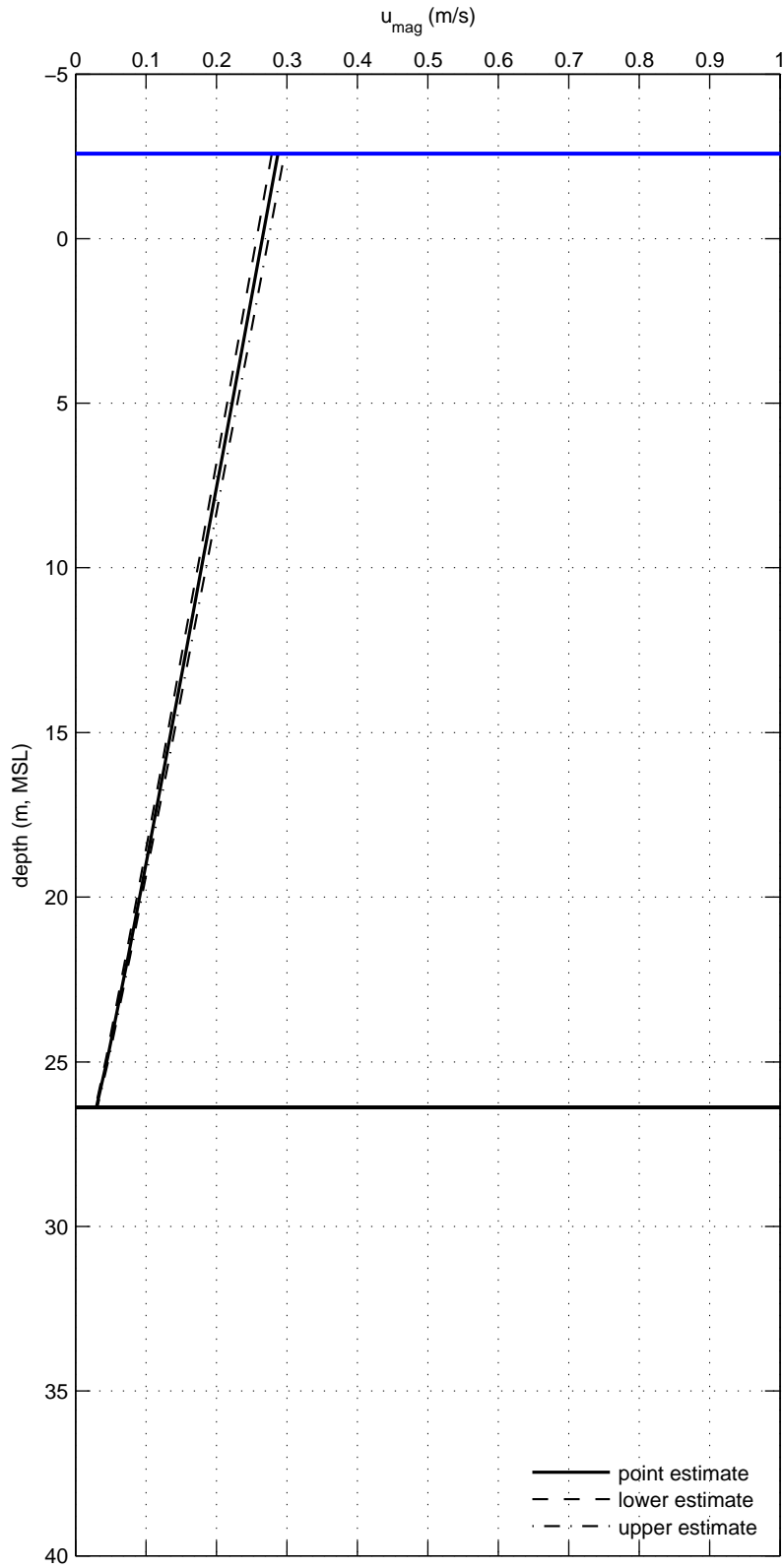
U10 = 14.4 m/s

Deltares

App. C.3.017

RP = 2 yr (U10 = 16.1 m/s)

Dir sector SSE



Current profile for directional sector SSE

RP = 2 yr

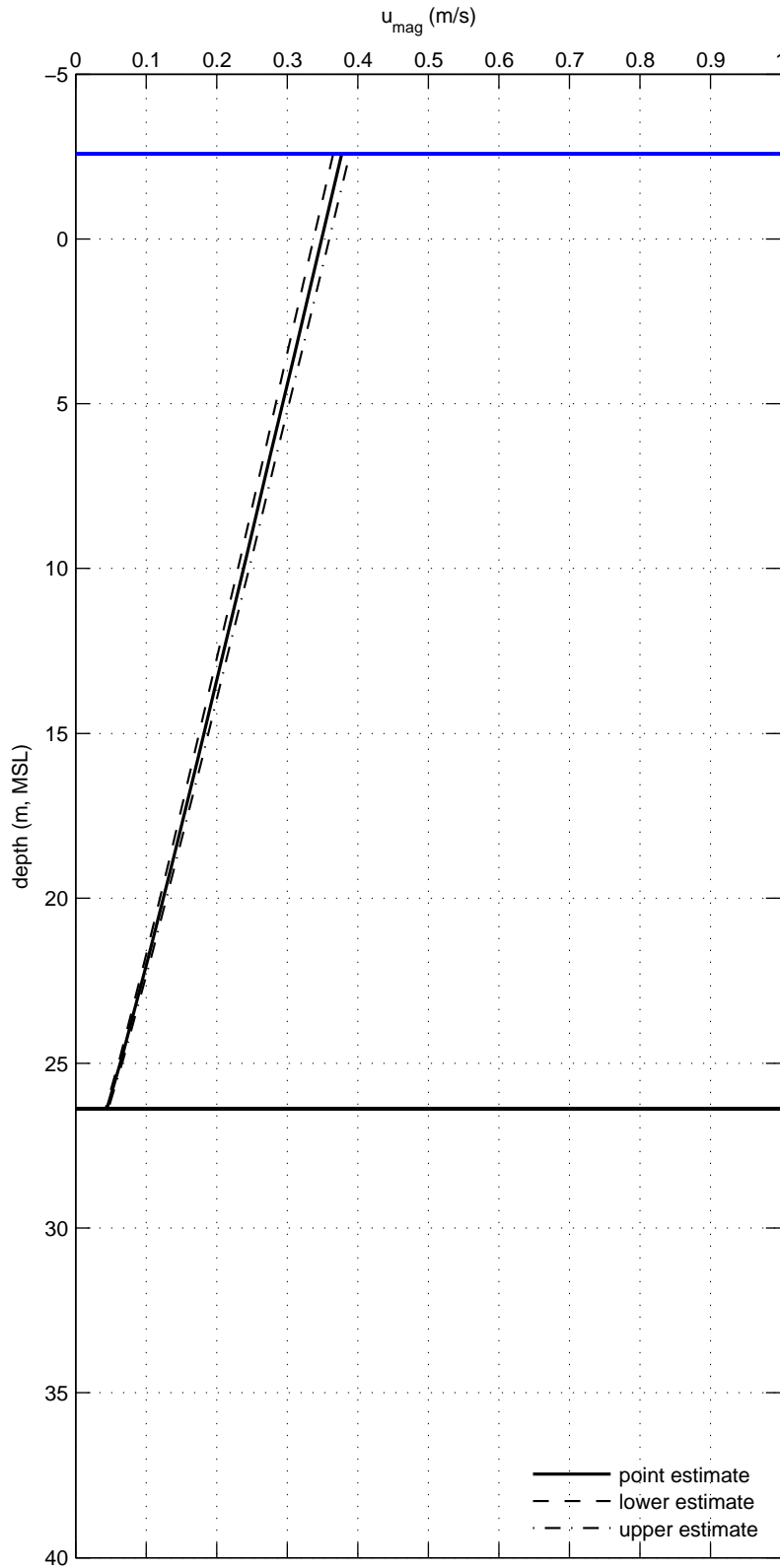
U10 = 16.1 m/s

Deltares

App. C.3.018

RP = 2 yr (U10 = 20.6 m/s)

Dir sector S



Current profile for directional sector S

RP = 2 yr

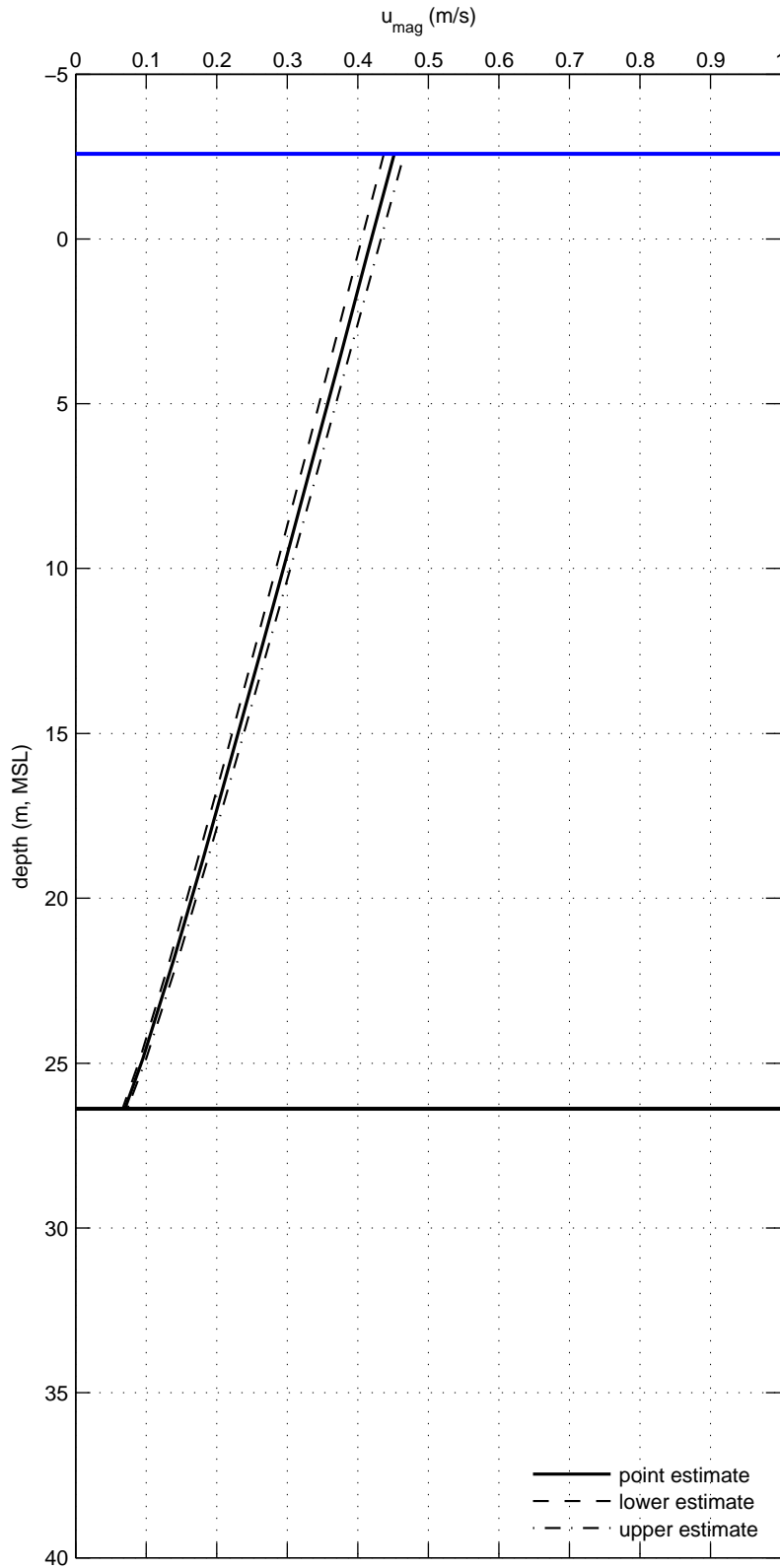
U10 = 20.6 m/s

Deltares

App. C.3.019

RP = 2 yr (U10 = 22.9 m/s)

Dir sector SSW



Current profile for directional sector SSW

RP = 2 yr

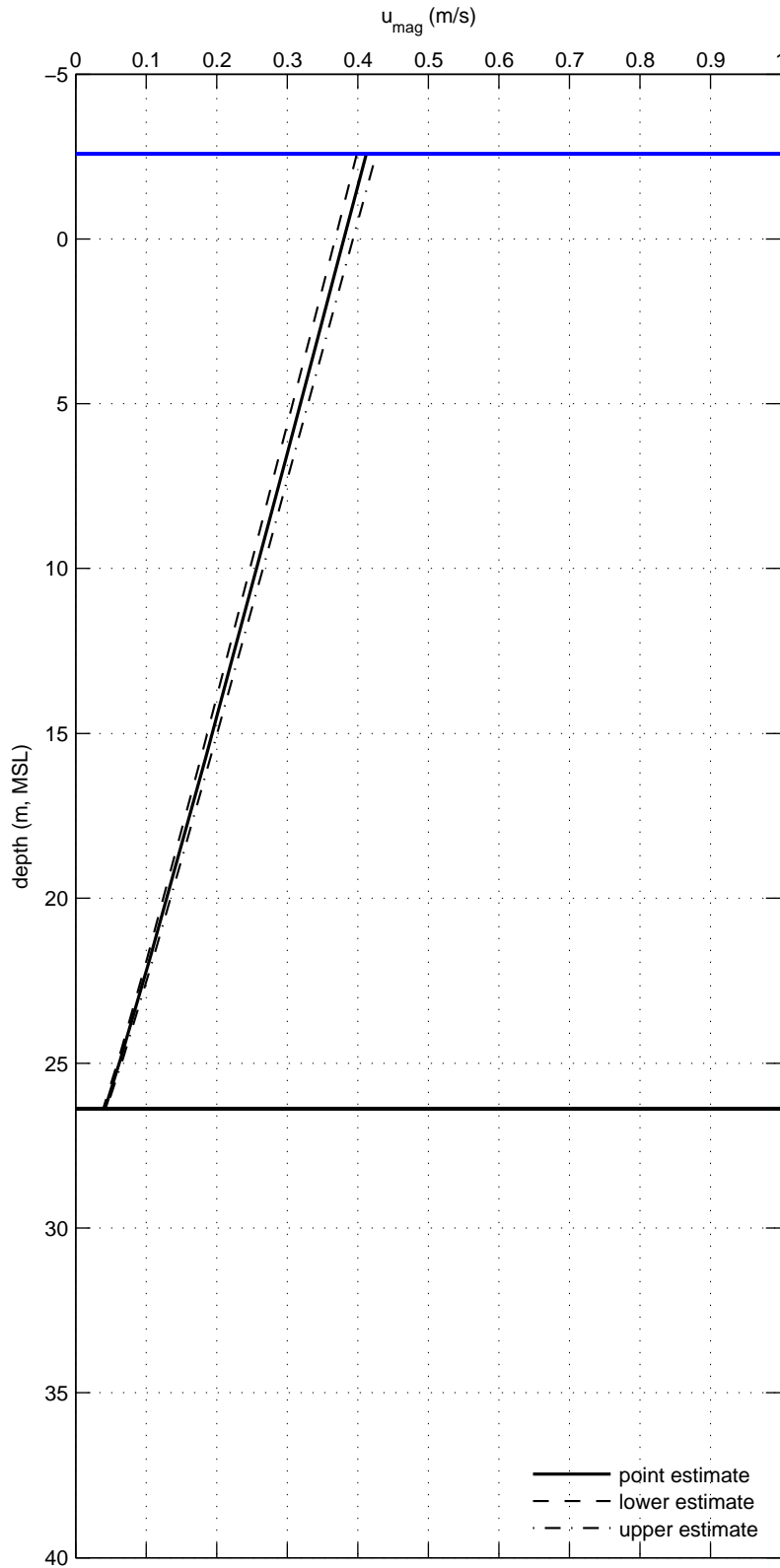
U10 = 22.9 m/s

Deltares

App. C.3.020

RP = 2 yr (U10 = 23.2 m/s)

Dir sector WSW



Current profile for directional sector WSW

RP = 2 yr

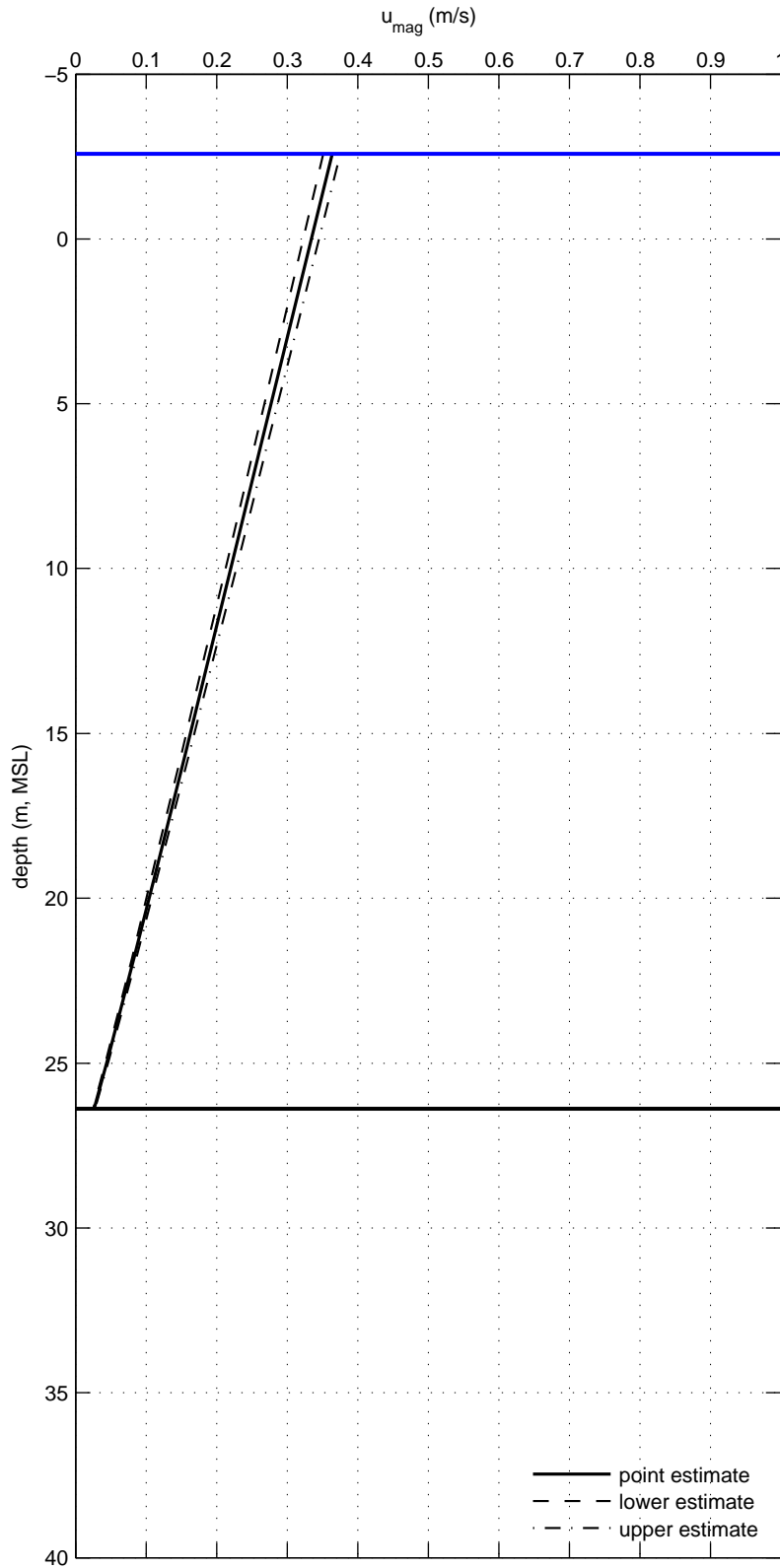
U10 = 23.2 m/s

Deltares

App. C.3.021

RP = 2 yr (U10 = 21.6 m/s)

Dir sector W



Current profile for directional sector W

RP = 2 yr

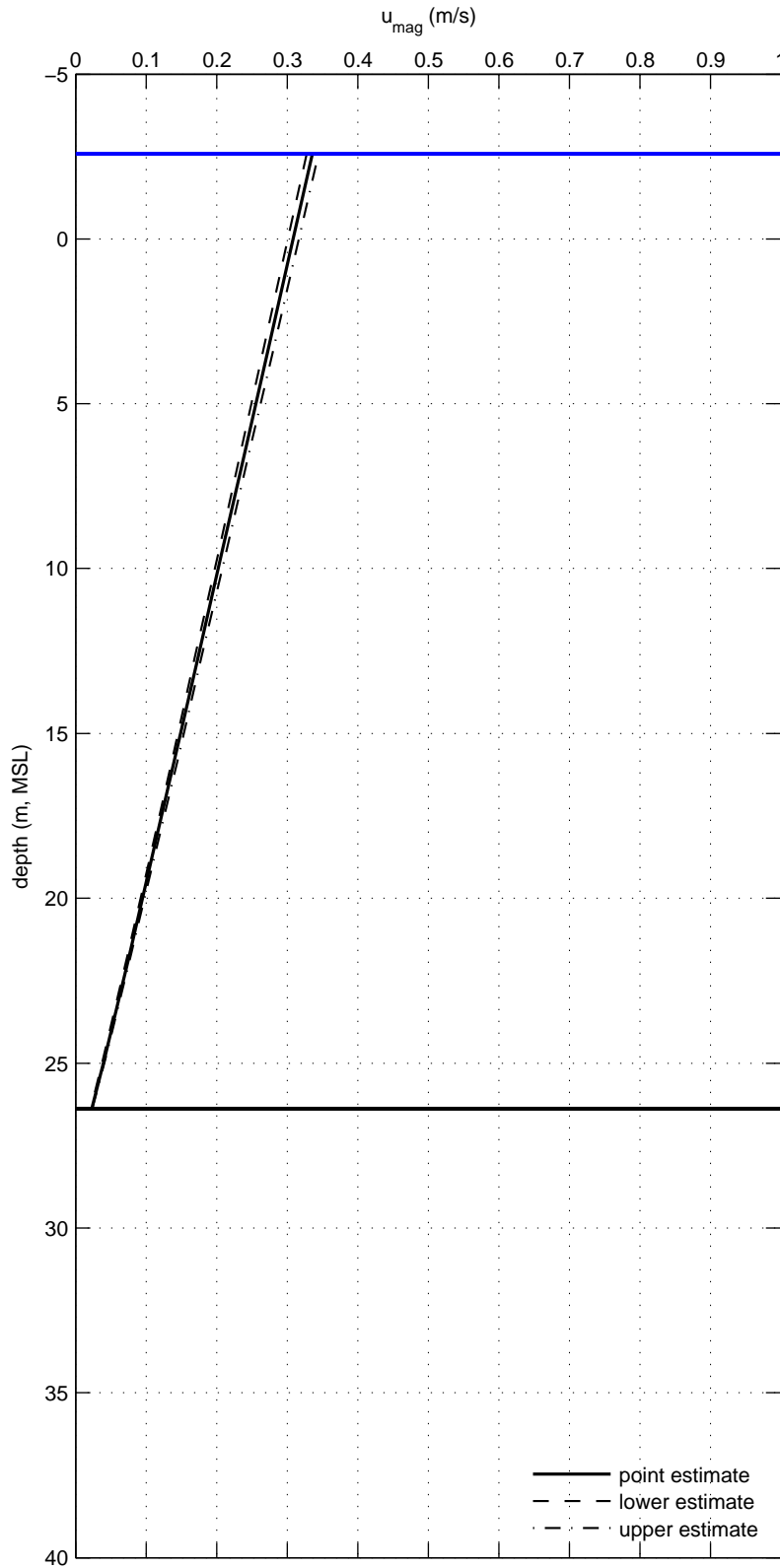
U10 = 21.6 m/s

Deltares

App. C.3.022

RP = 2 yr (U10 = 20.1 m/s)

Dir sector WNW



Current profile for directional sector WNW

RP = 2 yr

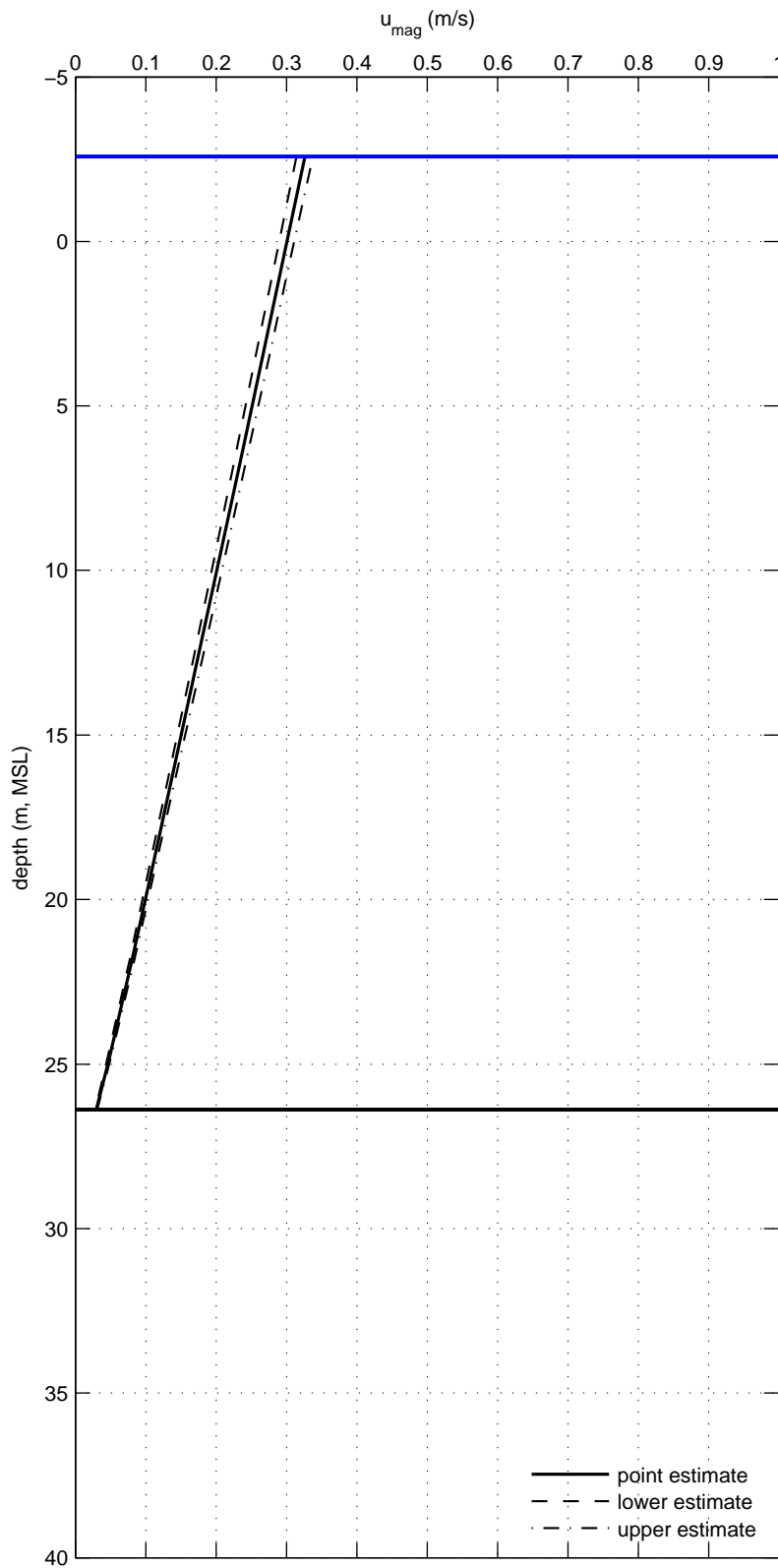
U10 = 20.1 m/s

Deltares

App. C.3.023

RP = 2 yr (U10 = 18.7 m/s)

Dir sector NNW



Current profile for directional sector NNW

RP = 2 yr

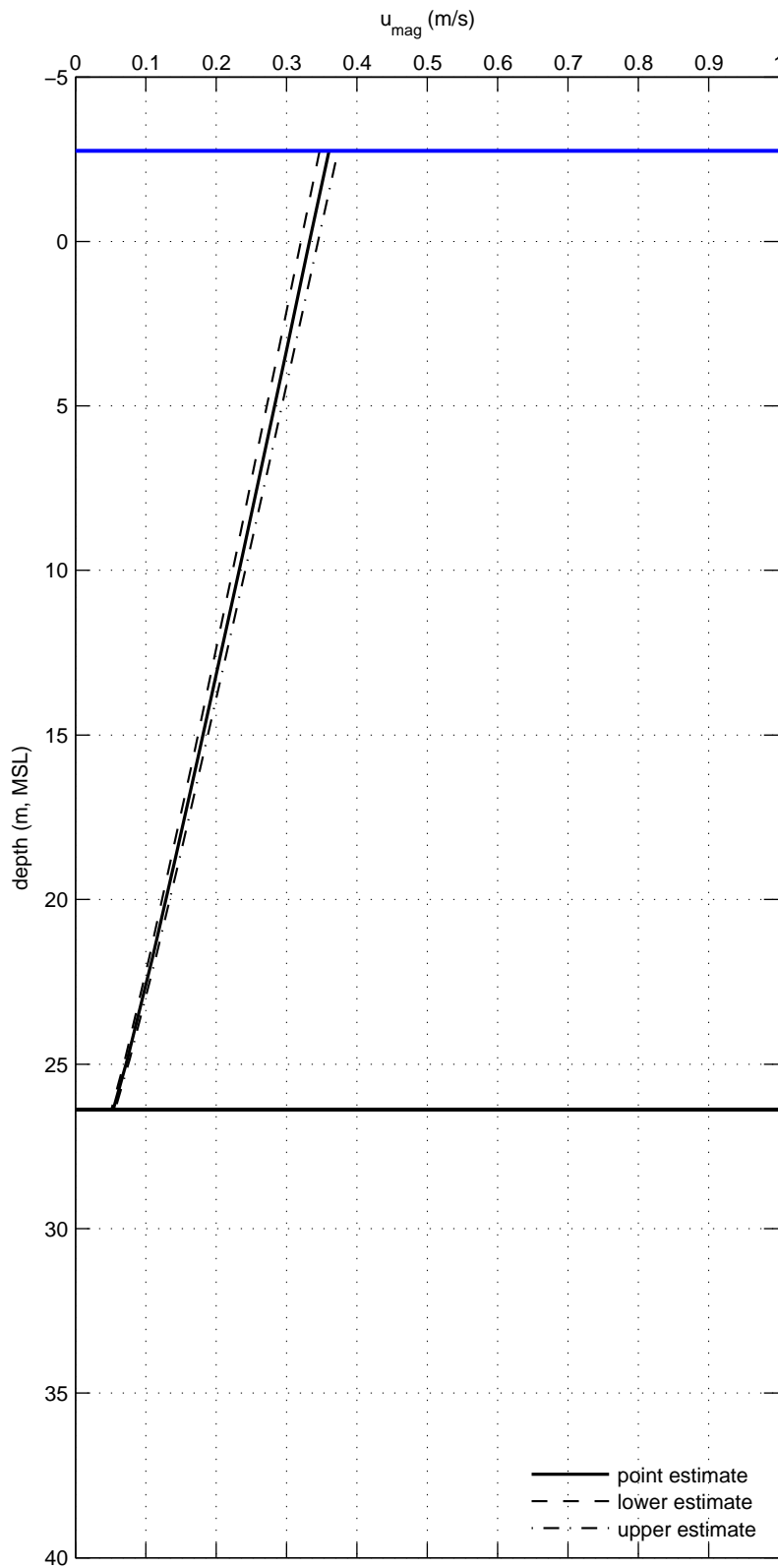
U10 = 18.7 m/s

Deltares

App. C.3.024

RP = 5 yr (U10 = 18.5 m/s)

Dir sector N



Current profile for directional sector N

RP = 5 yr

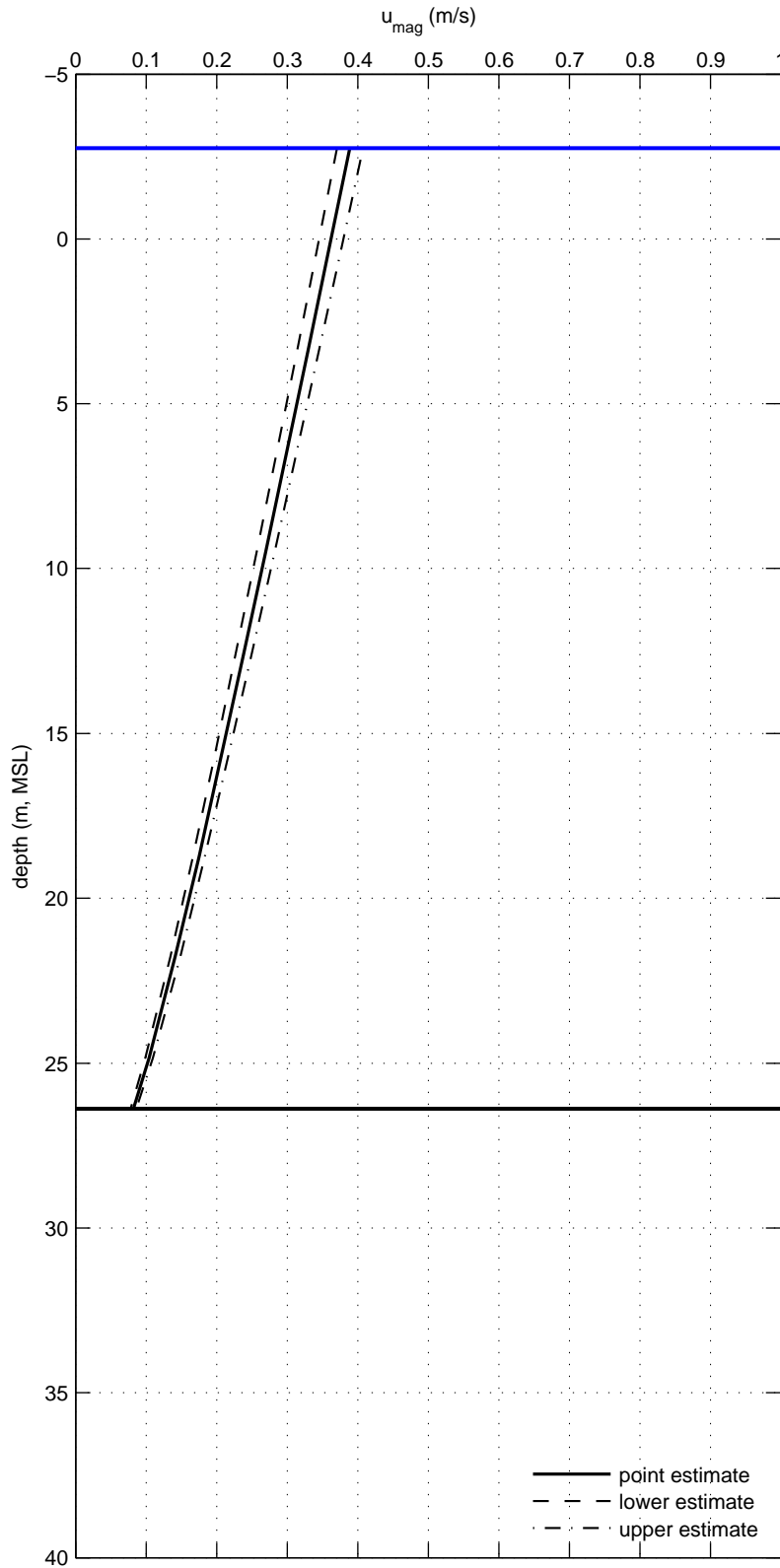
U10 = 18.5 m/s

Deltares

App. C.3.025

RP = 5 yr (U10 = 17.5 m/s)

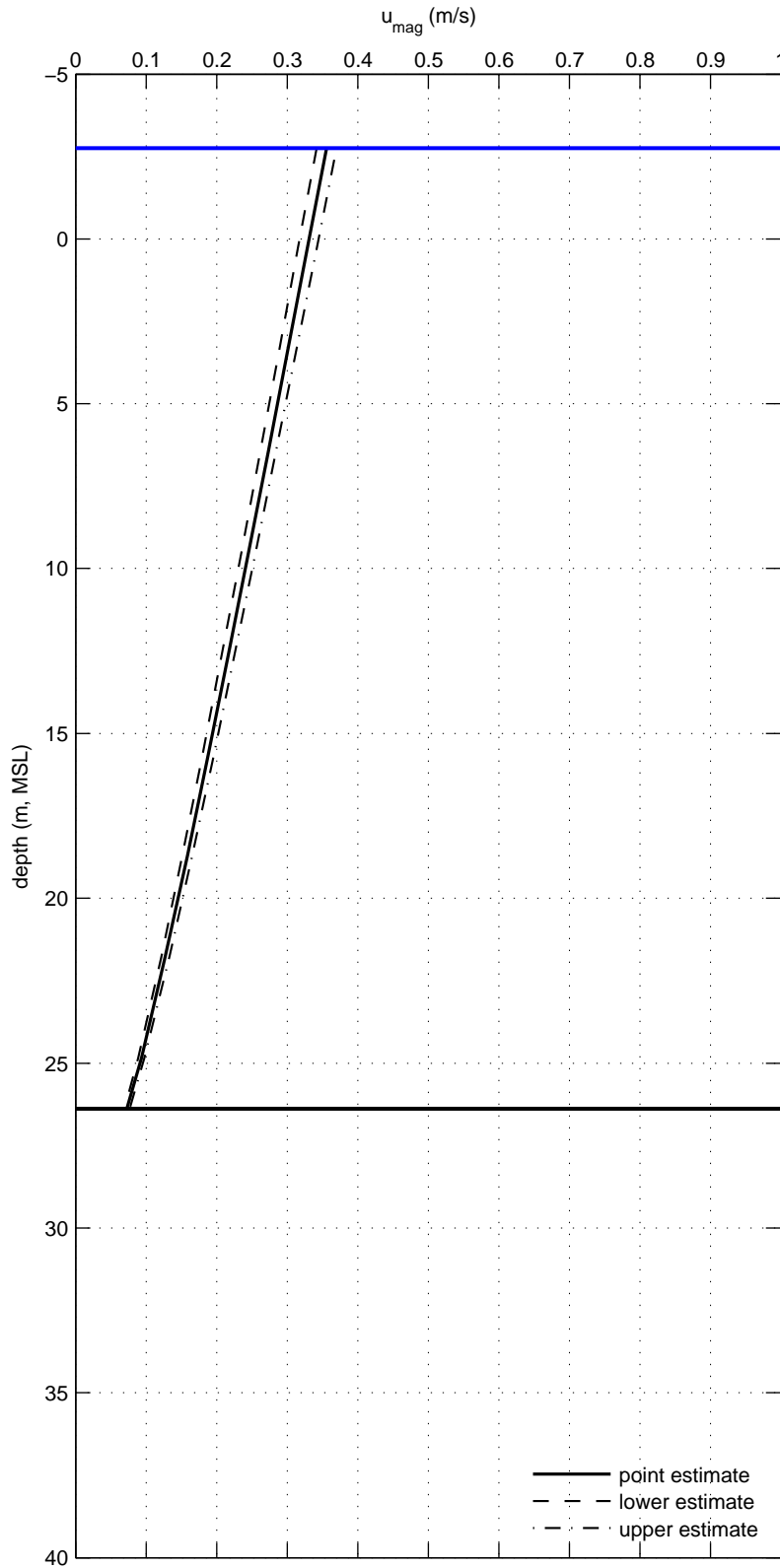
Dir sector NNE



Current profile for directional sector NNE	RP = 5 yr	U10 = 17.5 m/s
Deltares		App. C.3.026

RP = 5 yr (U10 = 16.3 m/s)

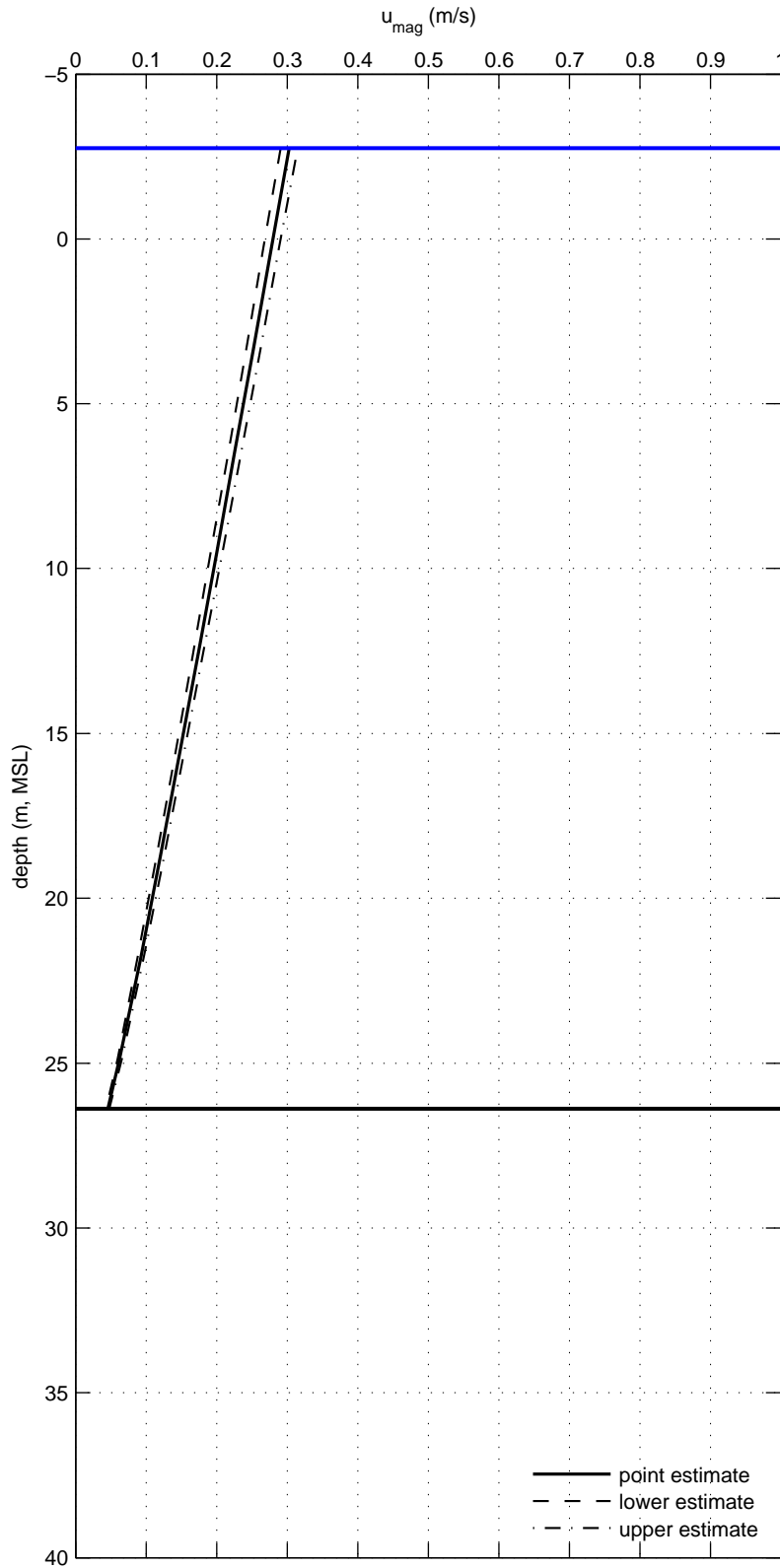
Dir sector ENE



Current profile for directional sector ENE	RP = 5 yr	U10 = 16.3 m/s
Deltares		App. C.3.027

RP = 5 yr (U10 = 15.5 m/s)

Dir sector E



Current profile for directional sector E

RP = 5 yr

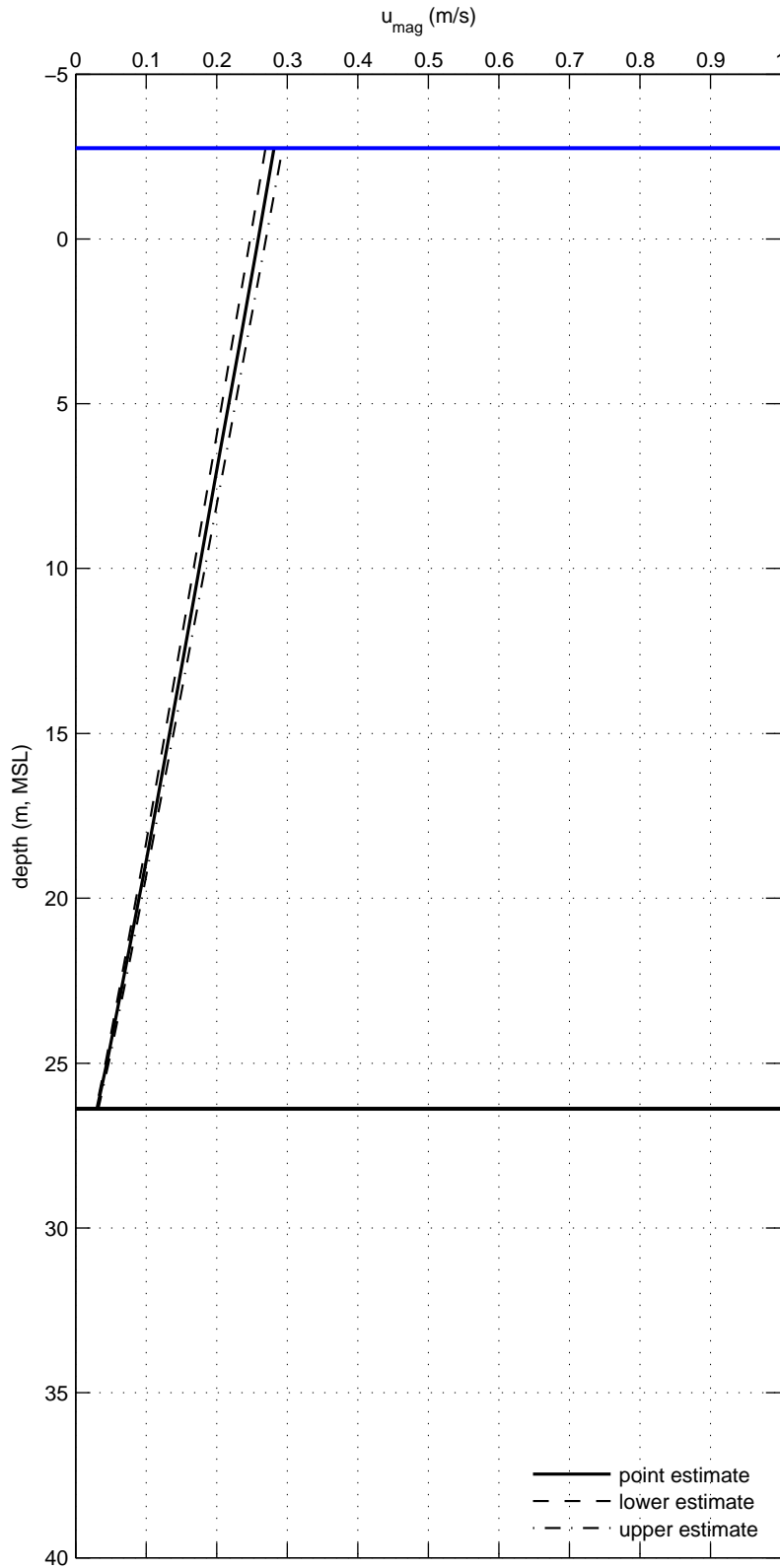
U10 = 15.5 m/s

Deltares

App. C.3.028

RP = 5 yr (U10 = 15.6 m/s)

Dir sector ESE



Current profile for directional sector ESE

RP = 5 yr

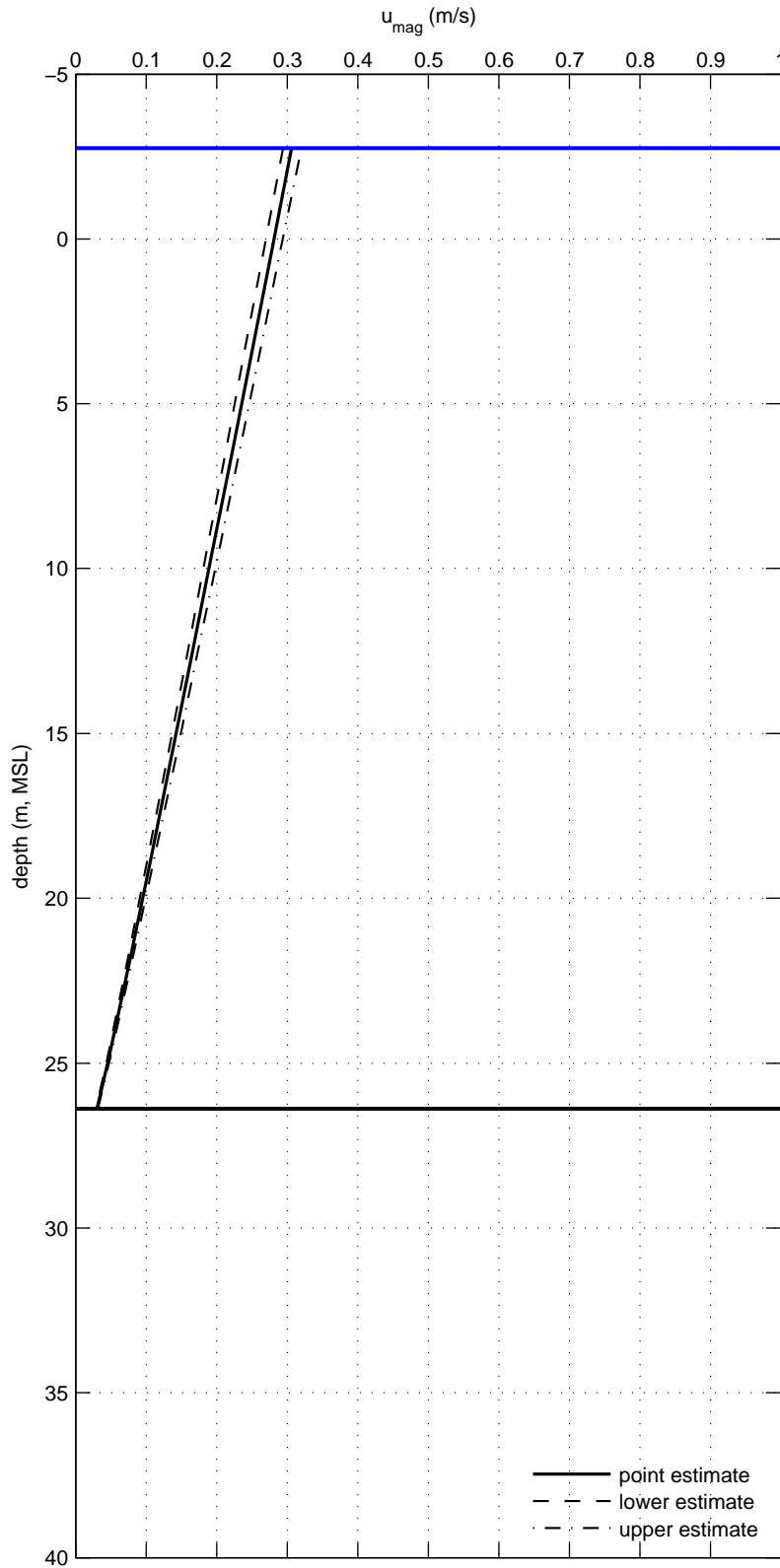
U10 = 15.6 m/s

Deltares

App. C.3.029

RP = 5 yr (U10 = 17.3 m/s)

Dir sector SSE



Current profile for directional sector SSE

RP = 5 yr

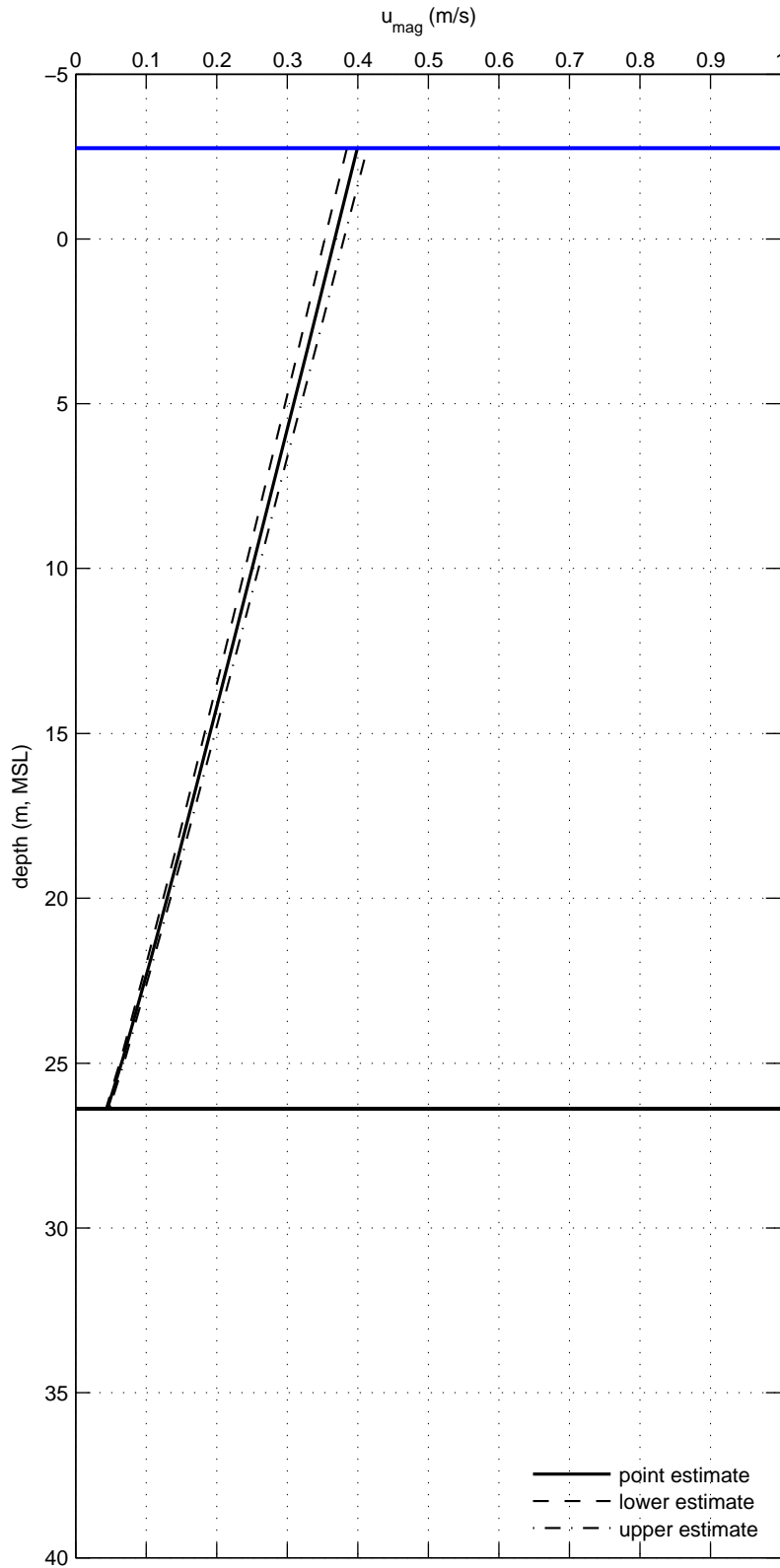
U10 = 17.3 m/s

Deltares

App. C.3.030

RP = 5 yr (U10 = 22.0 m/s)

Dir sector S



Current profile for directional sector S

RP = 5 yr

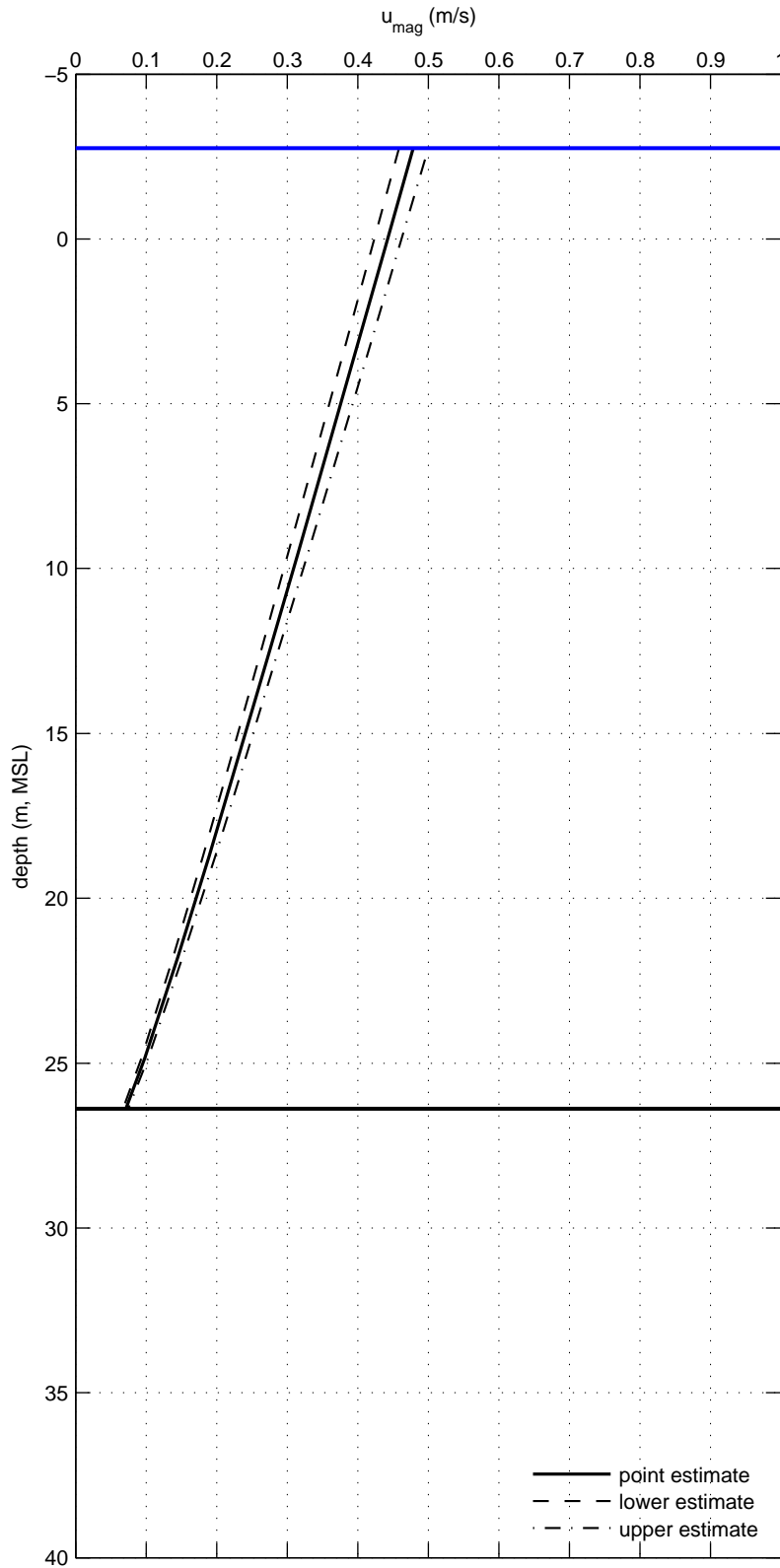
U10 = 22.0 m/s

Deltares

App. C.3.031

RP = 5 yr (U10 = 24.7 m/s)

Dir sector SSW



Current profile for directional sector SSW

RP = 5 yr

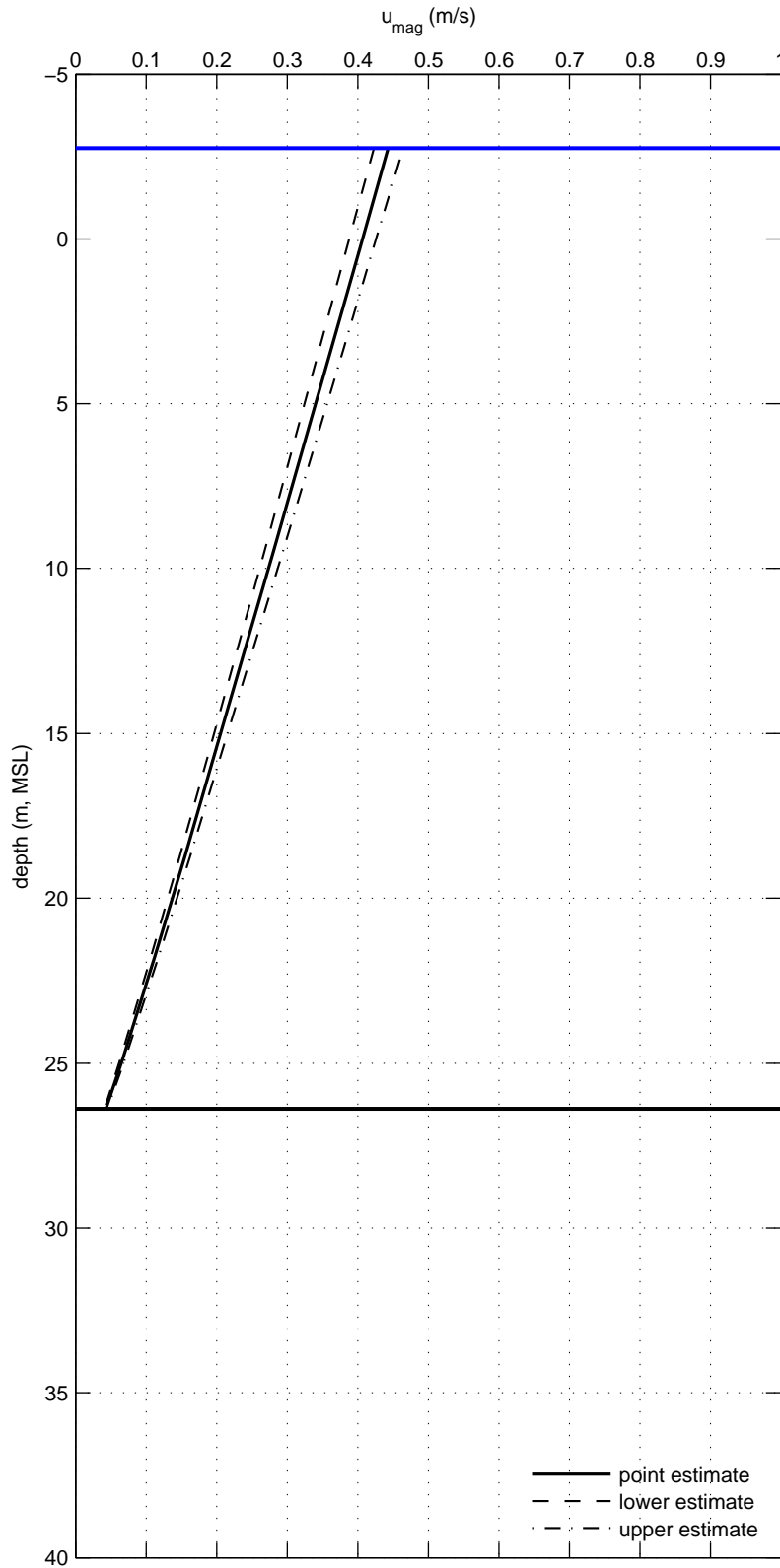
U10 = 24.7 m/s

Deltares

App. C.3.032

RP = 5 yr (U10 = 25.1 m/s)

Dir sector WSW



Current profile for directional sector WSW

RP = 5 yr

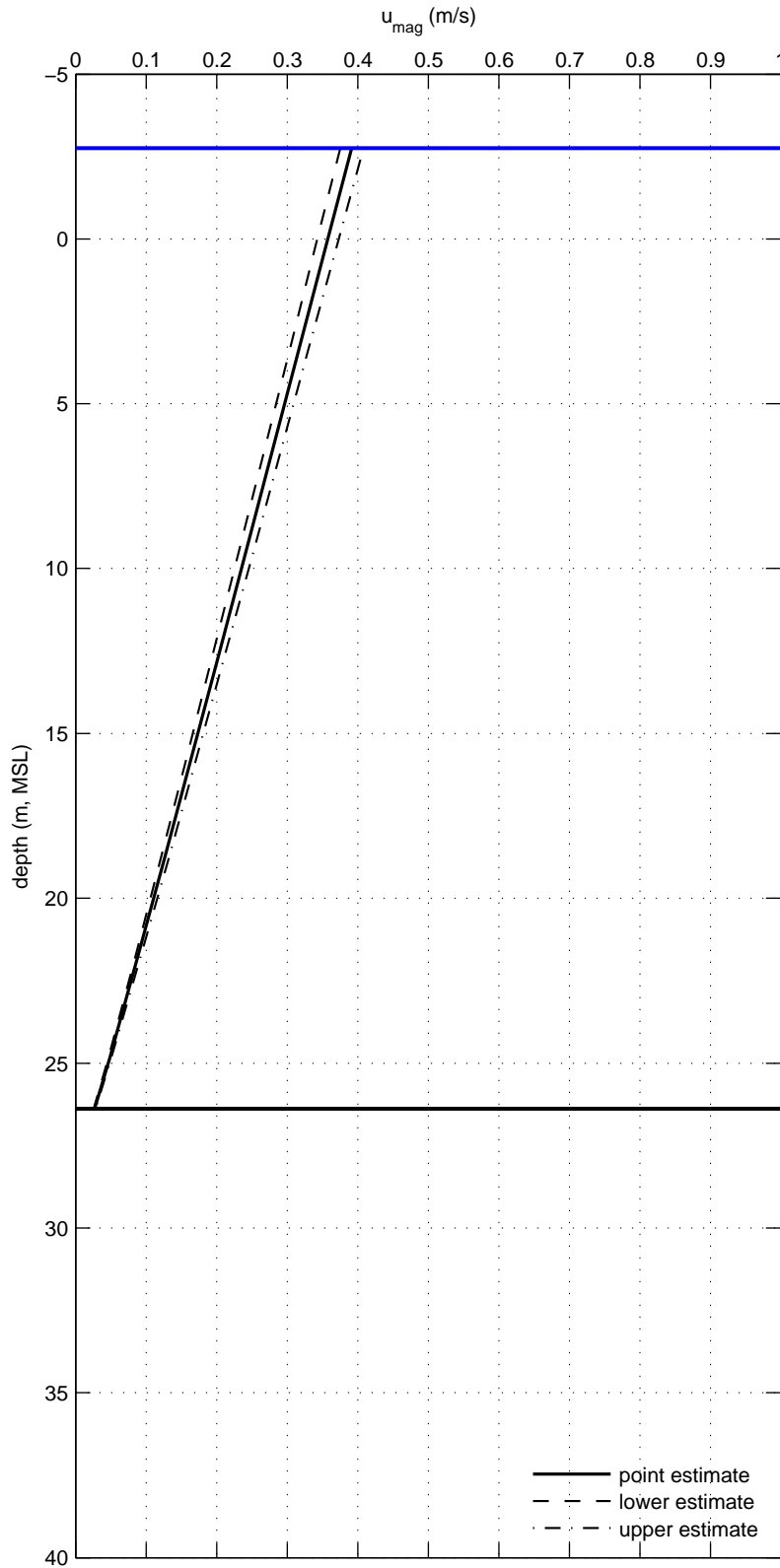
U10 = 25.1 m/s

Deltares

App. C.3.033

RP = 5 yr (U10 = 23.3 m/s)

Dir sector W



Current profile for directional sector W

RP = 5 yr

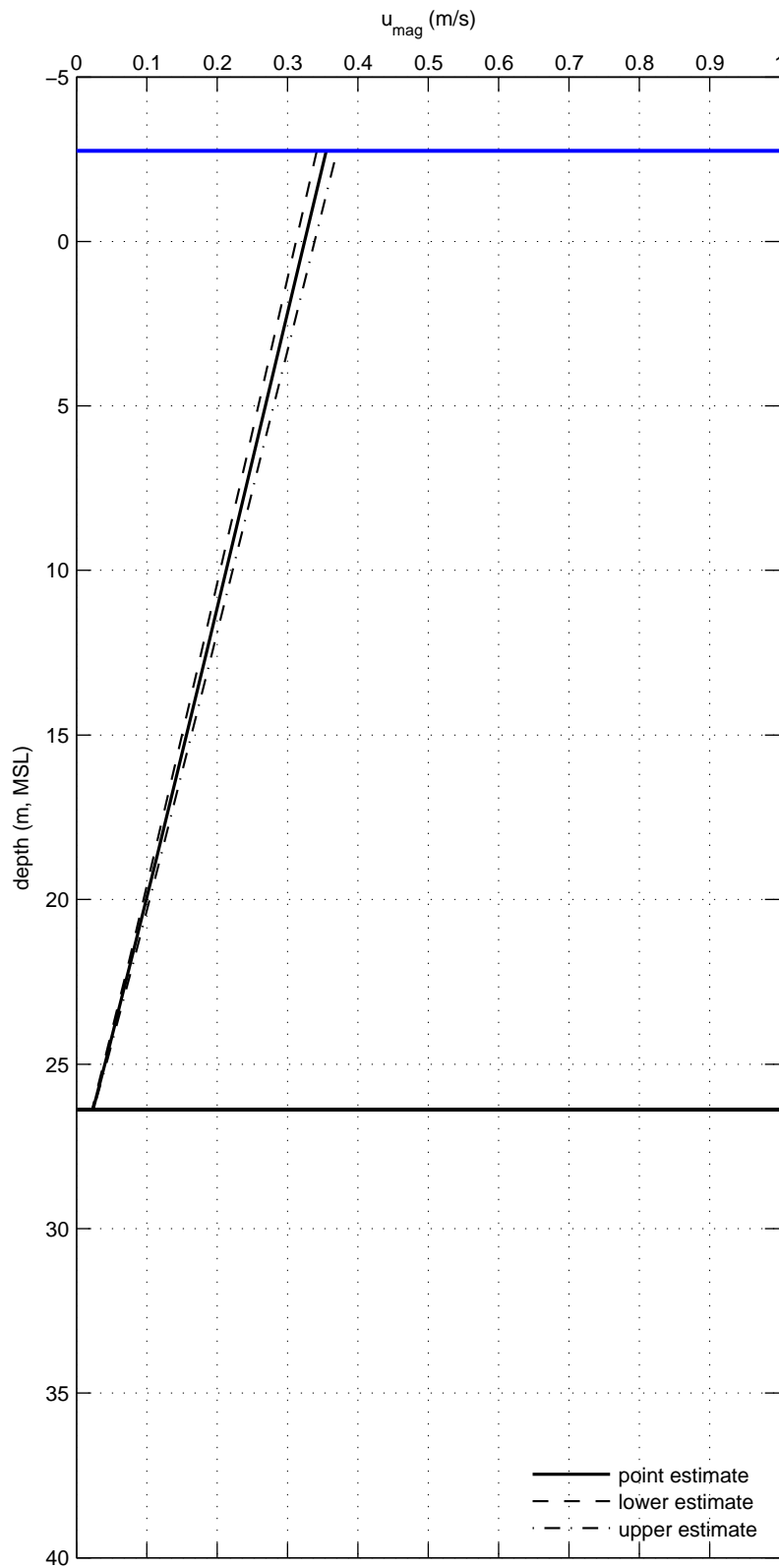
U10 = 23.3 m/s

Deltares

App. C.3.034

RP = 5 yr (U10 = 21.3 m/s)

Dir sector WNW



Current profile for directional sector WNW

RP = 5 yr

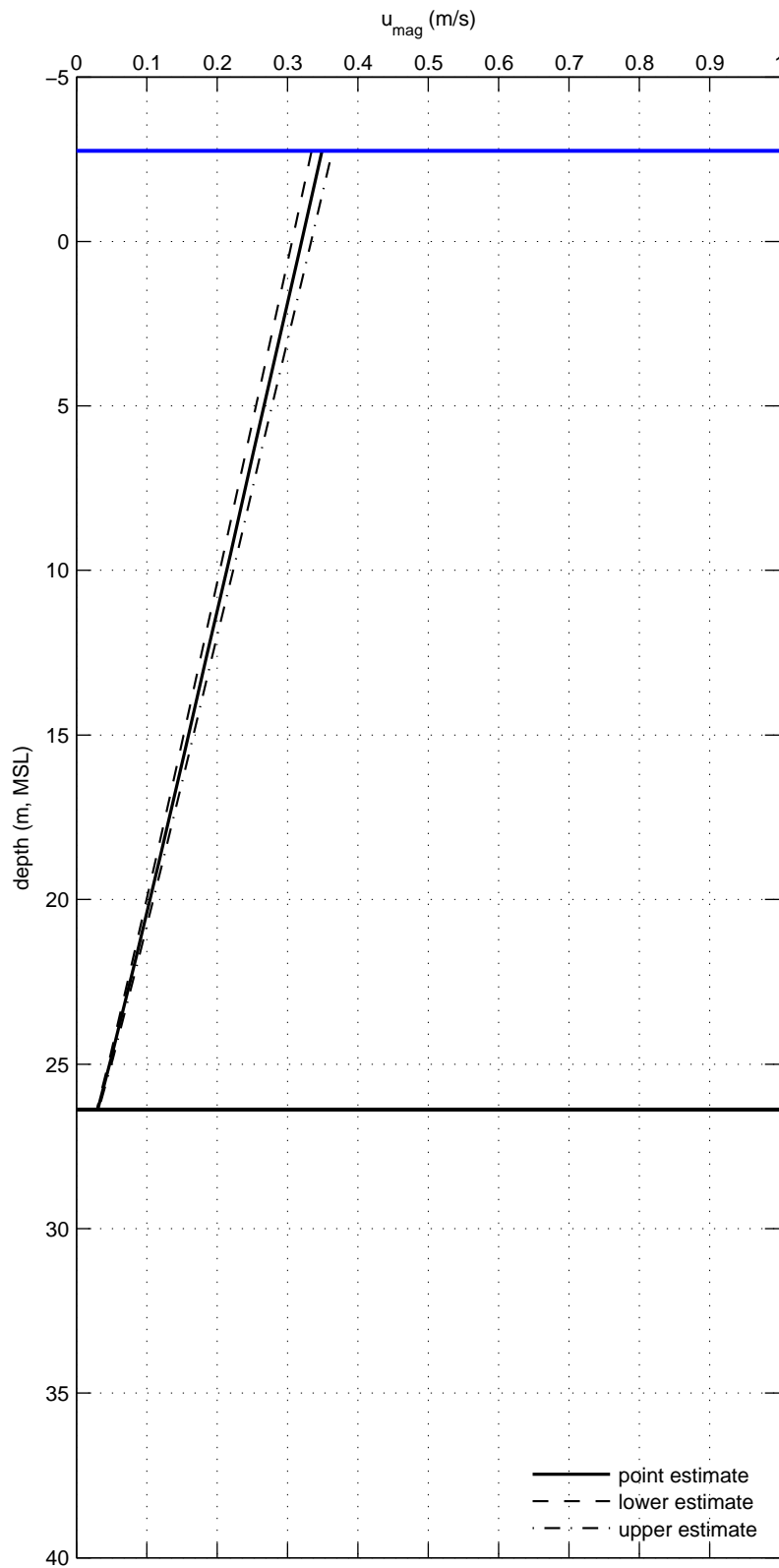
U10 = 21.3 m/s

Deltares

App. C.3.035

RP = 5 yr (U10 = 20.2 m/s)

Dir sector NNW



Current profile for directional sector NNW

RP = 5 yr

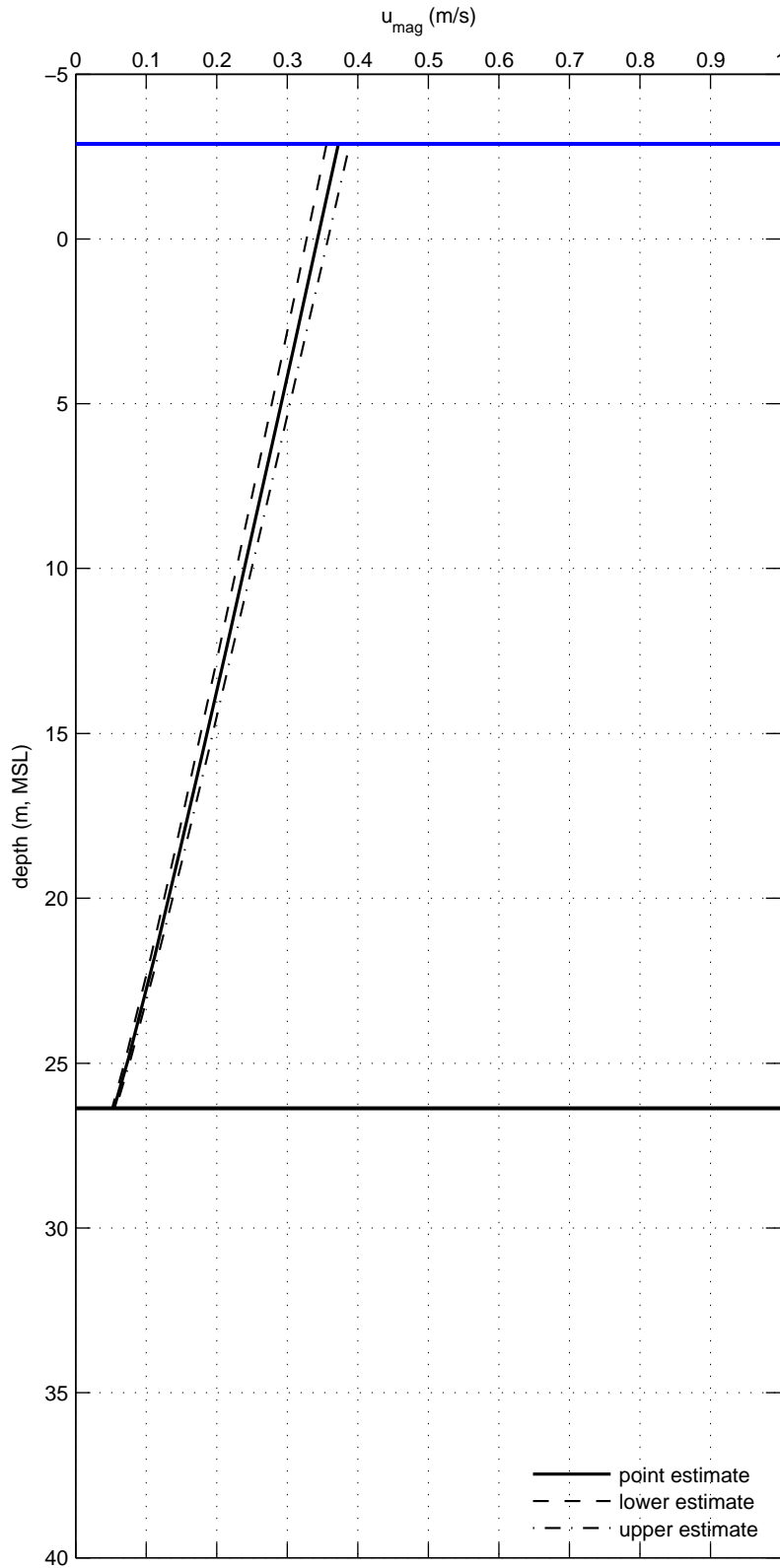
U10 = 20.2 m/s

Deltares

App. C.3.036

RP = 10 yr (U10 = 19.3 m/s)

Dir sector N



Current profile for directional sector N

RP = 10 yr

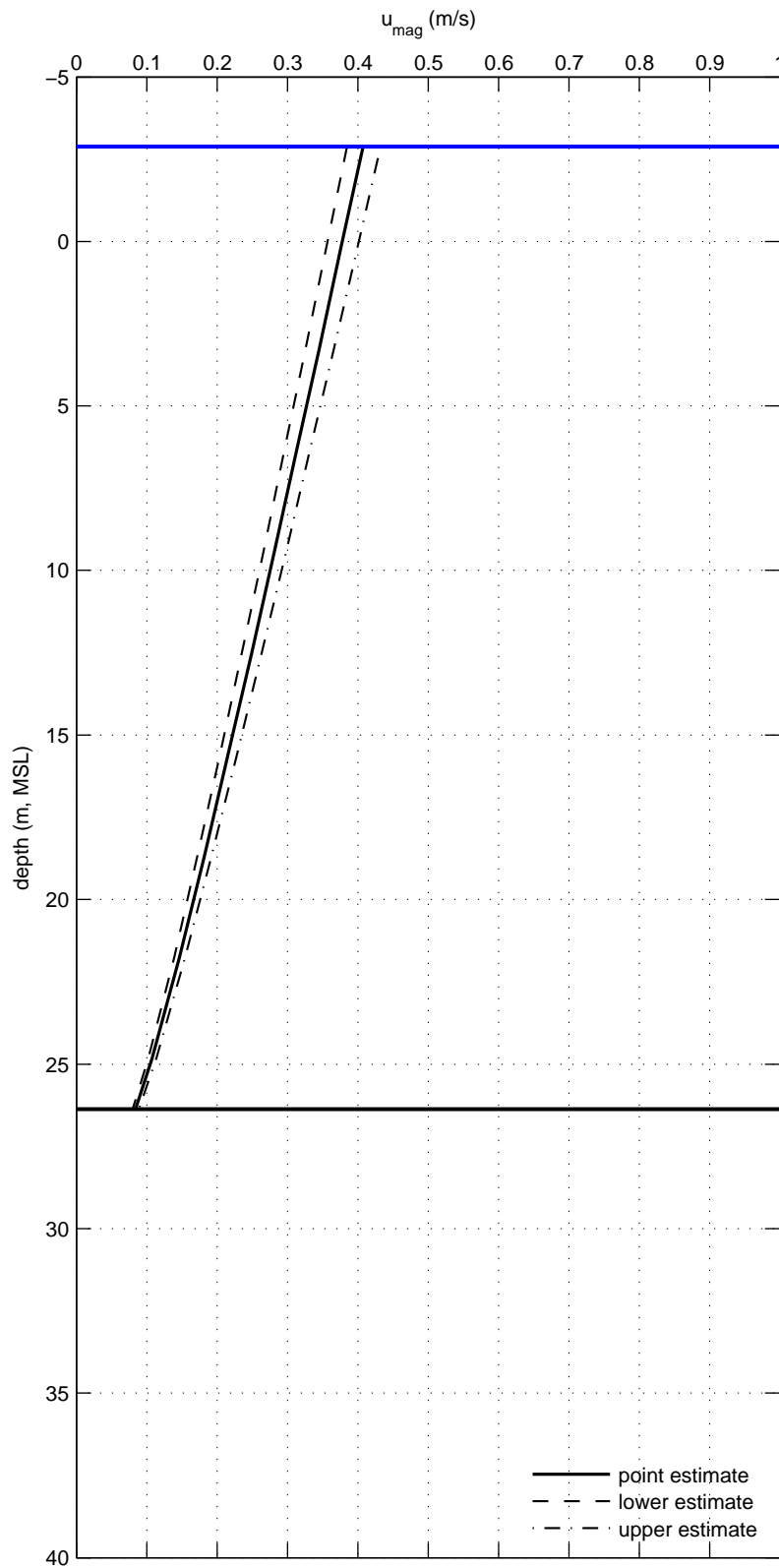
U10 = 19.3 m/s

Deltares

App. C.3.037

RP = 10 yr (U10 = 18.5 m/s)

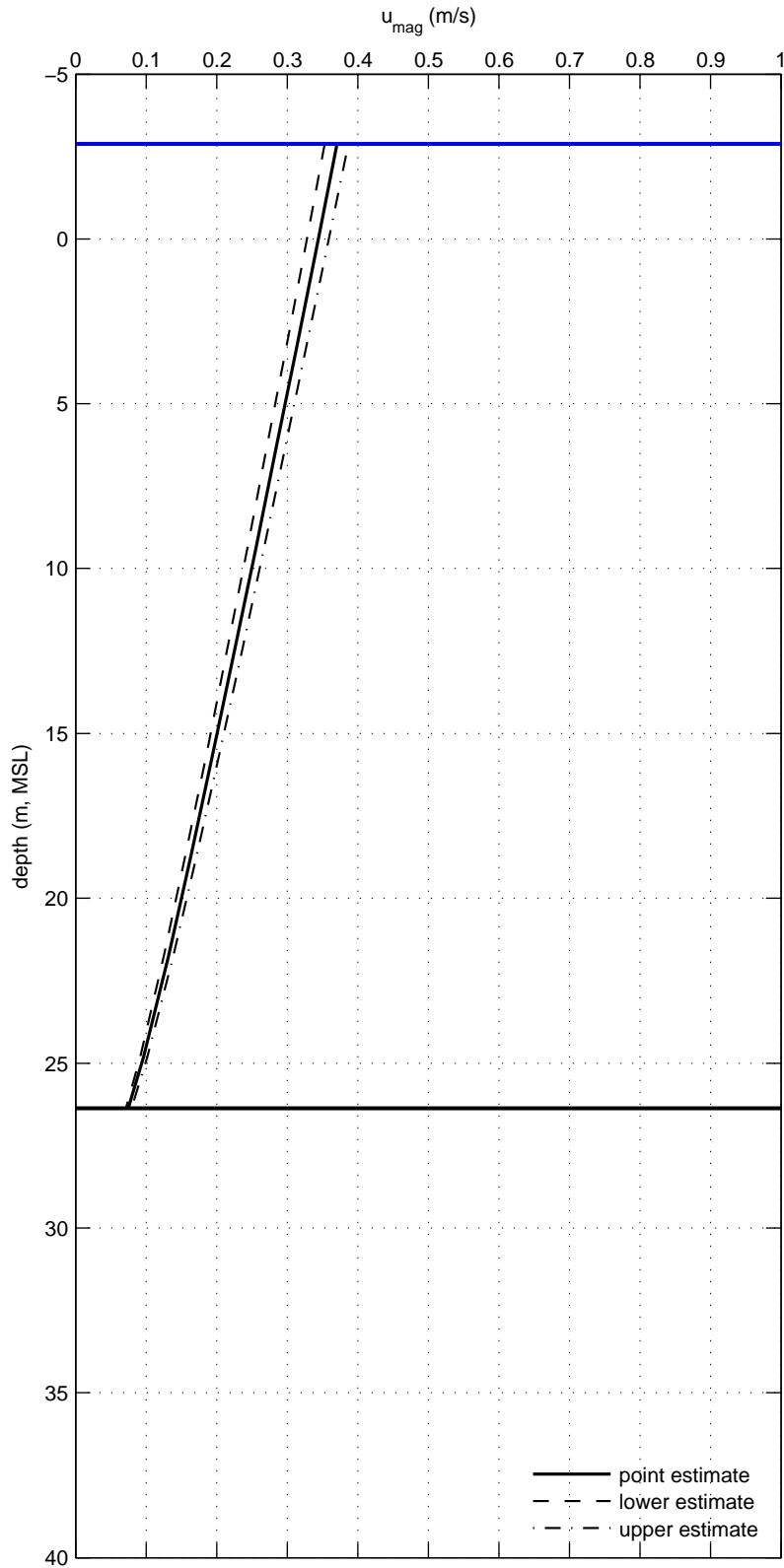
Dir sector NNE



Current profile for directional sector NNE	RP = 10 yr	U10 = 18.5 m/s
Deltares		App. C.3.038

RP = 10 yr (U10 = 17.1 m/s)

Dir sector ENE



Current profile for directional sector ENE

RP = 10 yr

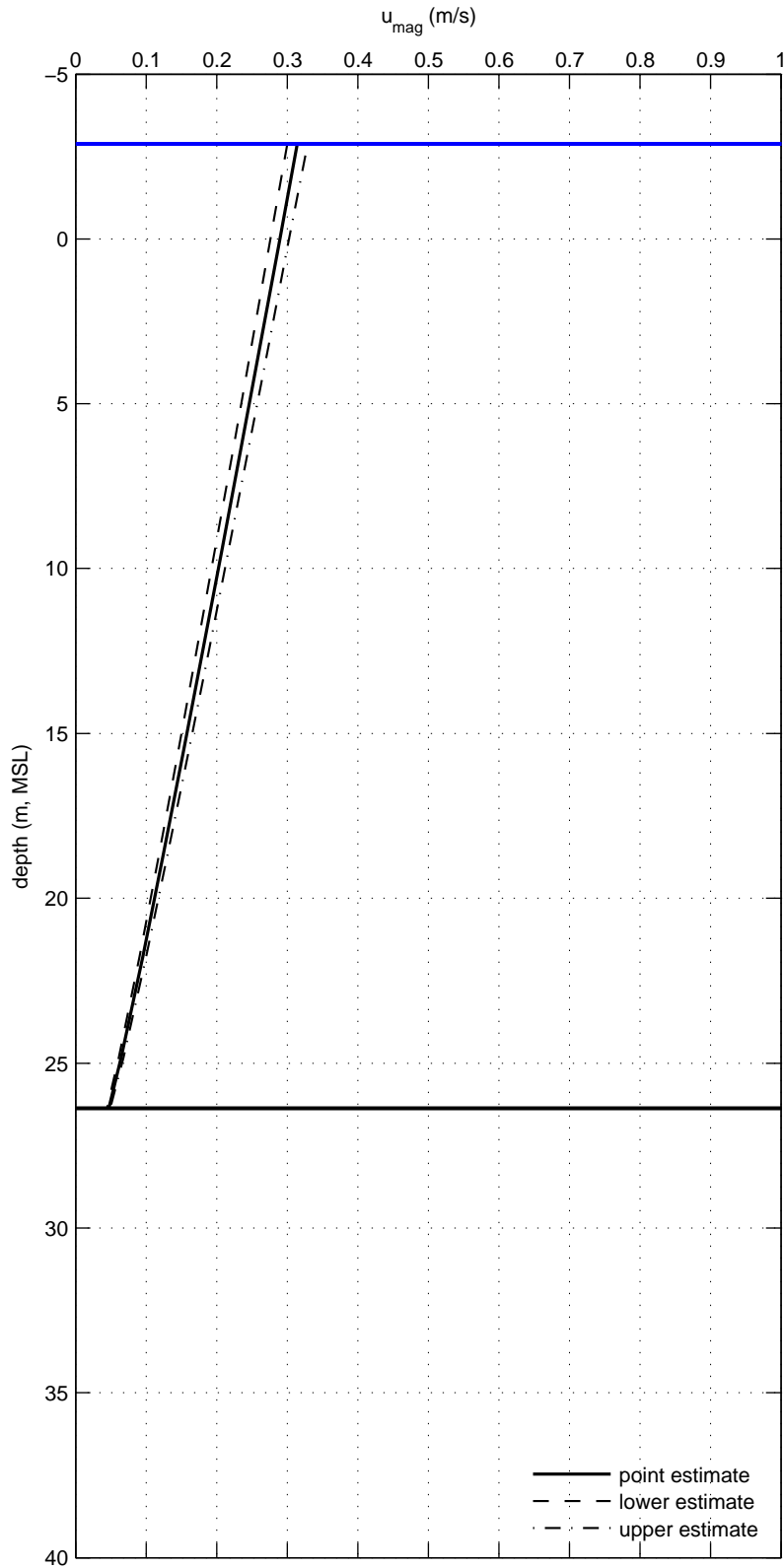
U10 = 17.1 m/s

Deltares

App. C.3.039

RP = 10 yr (U10 = 16.2 m/s)

Dir sector E



Current profile for directional sector E

RP = 10 yr

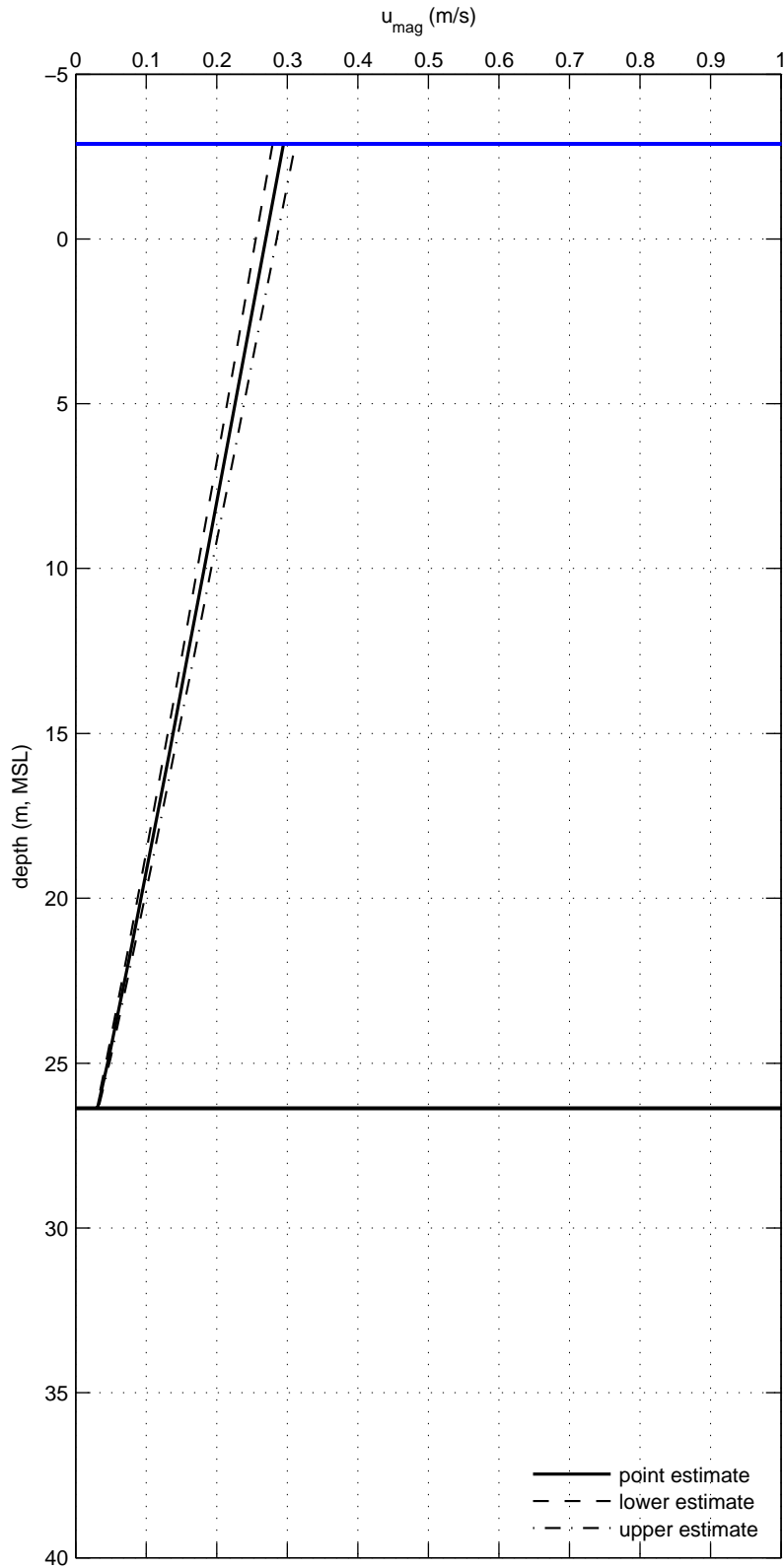
U10 = 16.2 m/s

Deltares

App. C.3.040

RP = 10 yr (U10 = 16.5 m/s)

Dir sector ESE



Current profile for directional sector ESE

RP = 10 yr

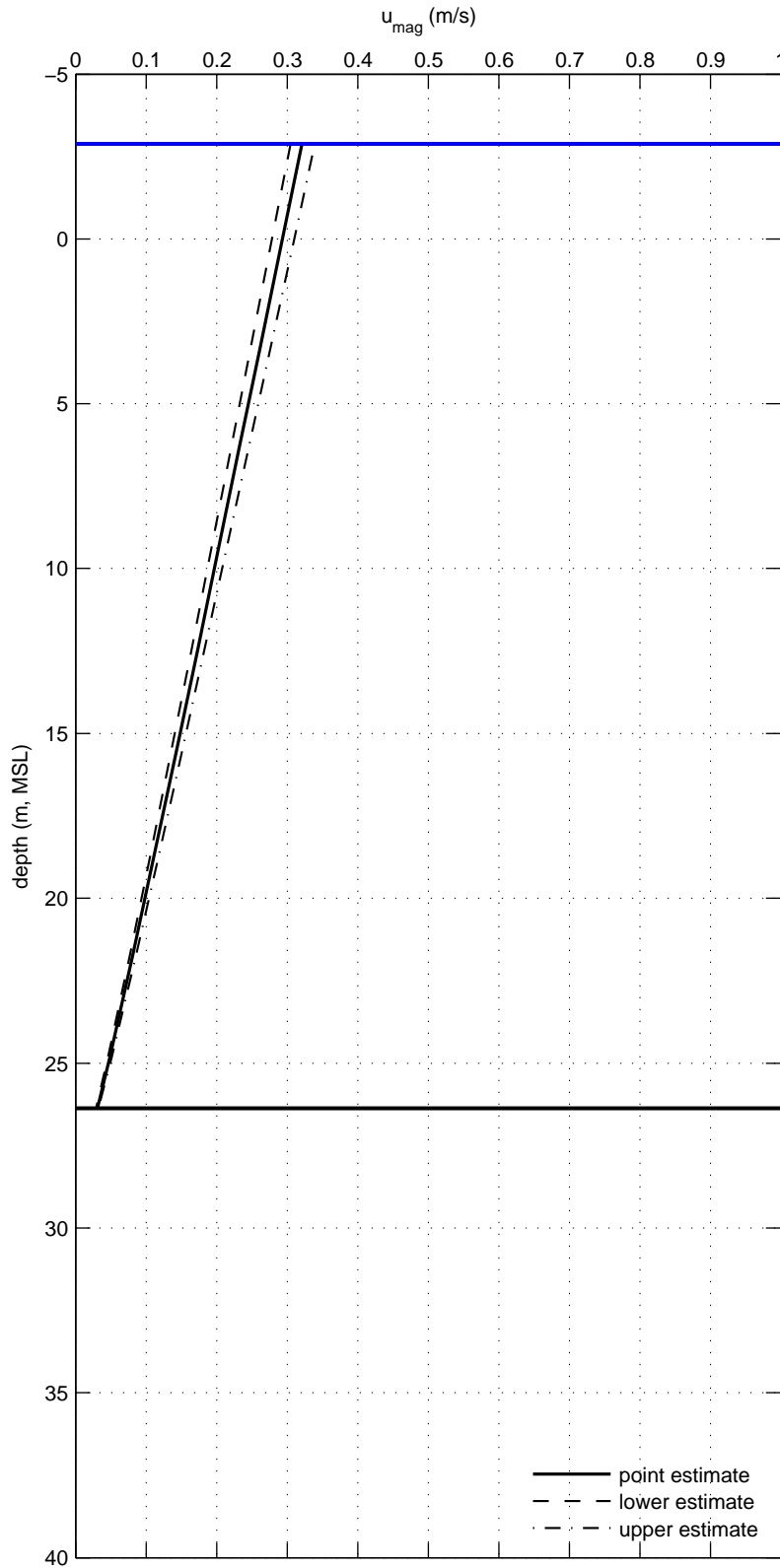
U10 = 16.5 m/s

Deltares

App. C.3.041

RP = 10 yr (U10 = 18.2 m/s)

Dir sector SSE



Current profile for directional sector SSE

RP = 10 yr

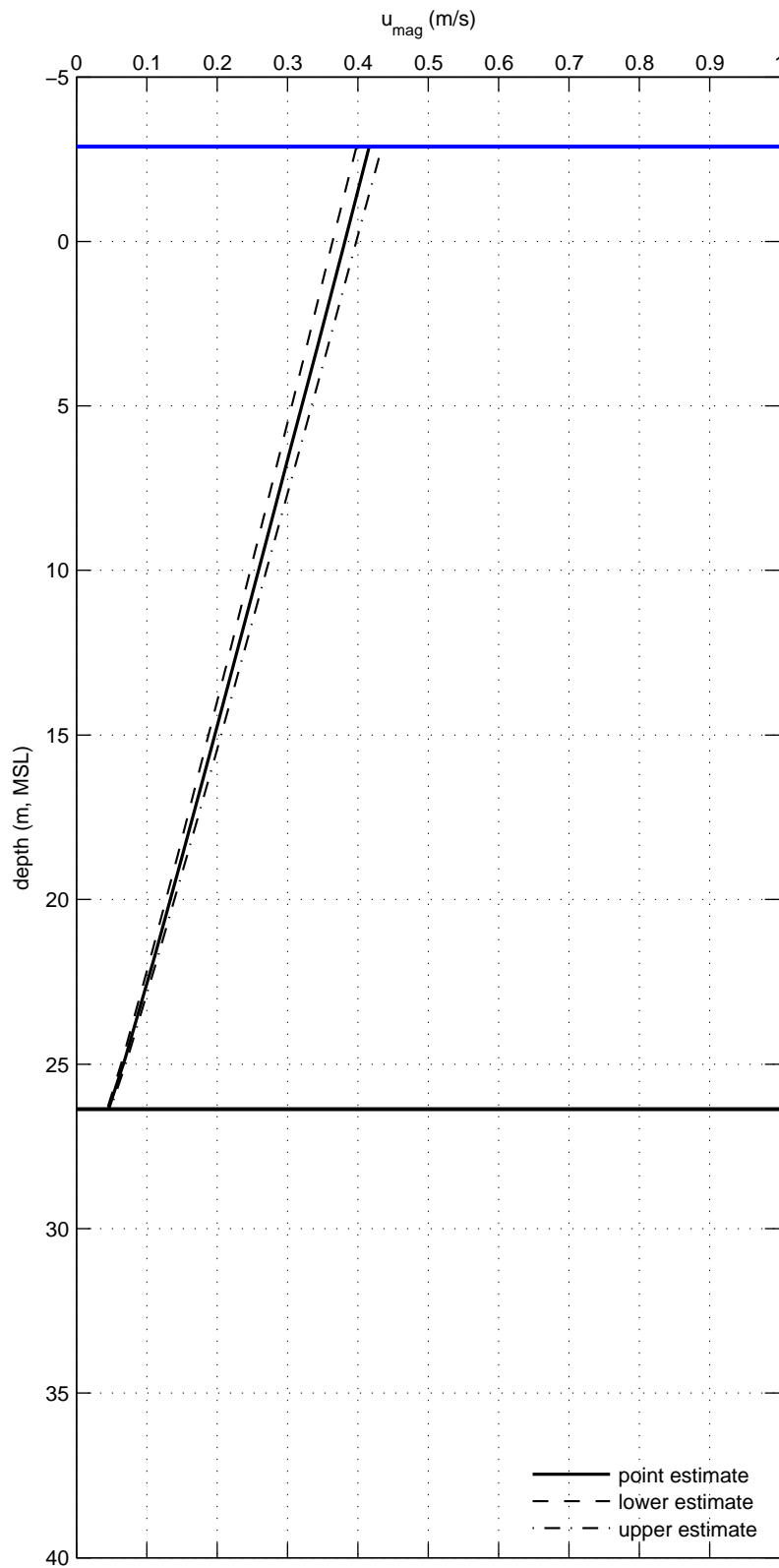
U10 = 18.2 m/s

Deltares

App. C.3.042

RP = 10 yr (U10 = 23.1 m/s)

Dir sector S



Current profile for directional sector S

RP = 10 yr

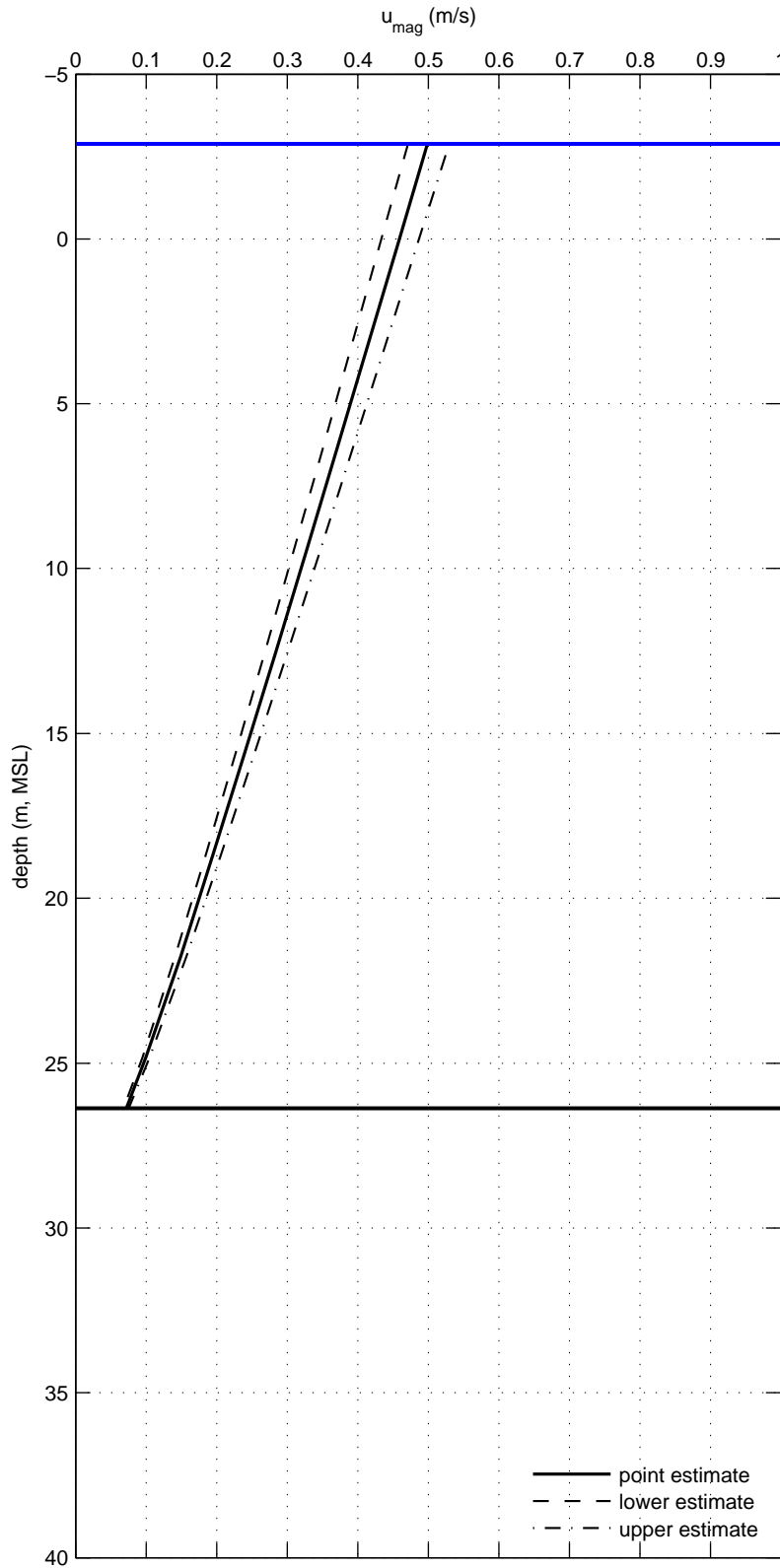
U10 = 23.1 m/s

Deltares

App. C.3.043

RP = 10 yr (U10 = 25.9 m/s)

Dir sector SSW



Current profile for directional sector SSW

RP = 10 yr

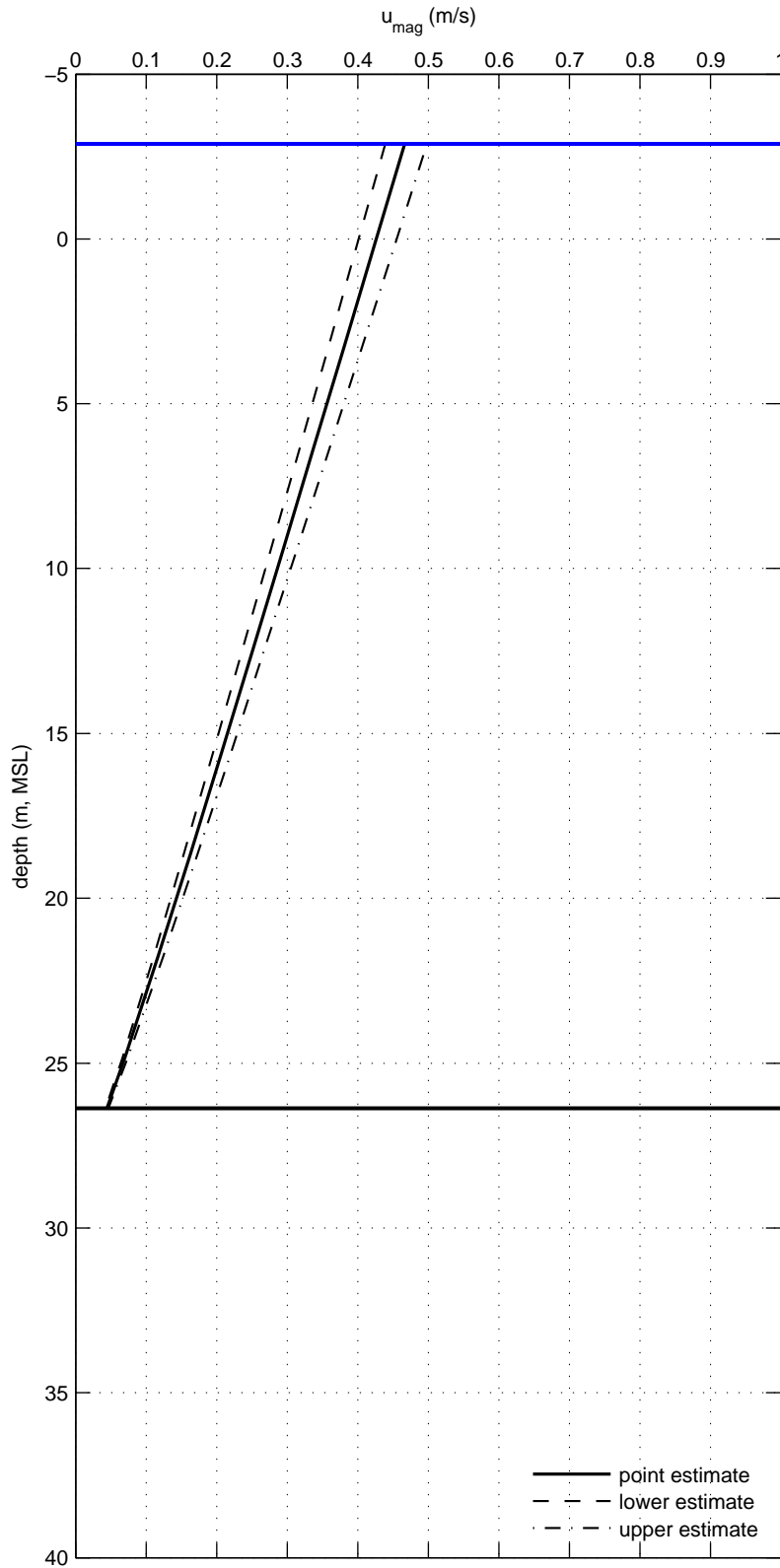
U10 = 25.9 m/s

Deltares

App. C.3.044

RP = 10 yr (U10 = 26.6 m/s)

Dir sector WSW



Current profile for directional sector WSW

RP = 10 yr

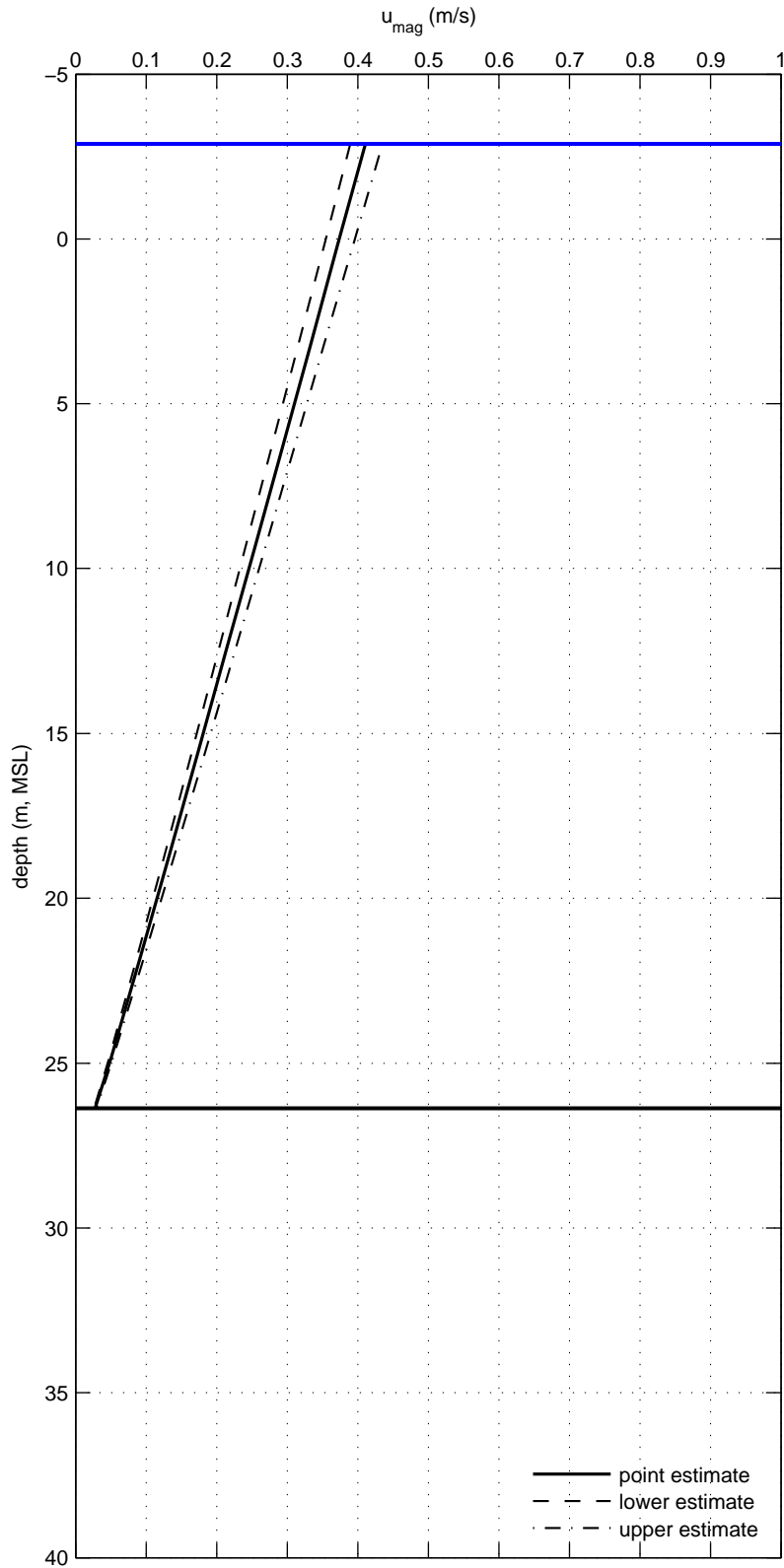
U10 = 26.6 m/s

Deltares

App. C.3.045

RP = 10 yr (U10 = 24.5 m/s)

Dir sector W



Current profile for directional sector W

RP = 10 yr

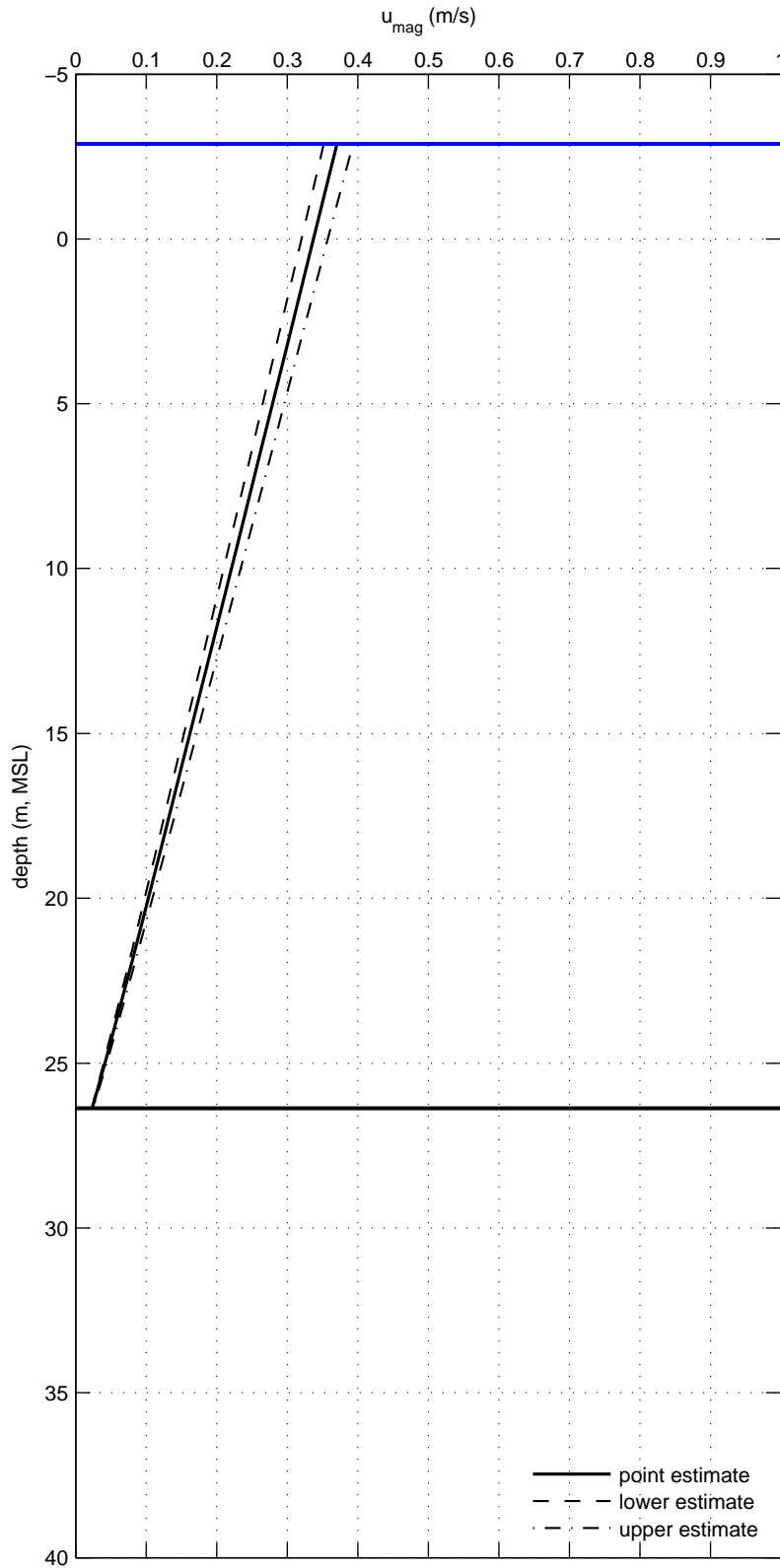
U10 = 24.5 m/s

Deltares

App. C.3.046

RP = 10 yr (U10 = 22.3 m/s)

Dir sector WNW



Current profile for directional sector WNW

RP = 10 yr

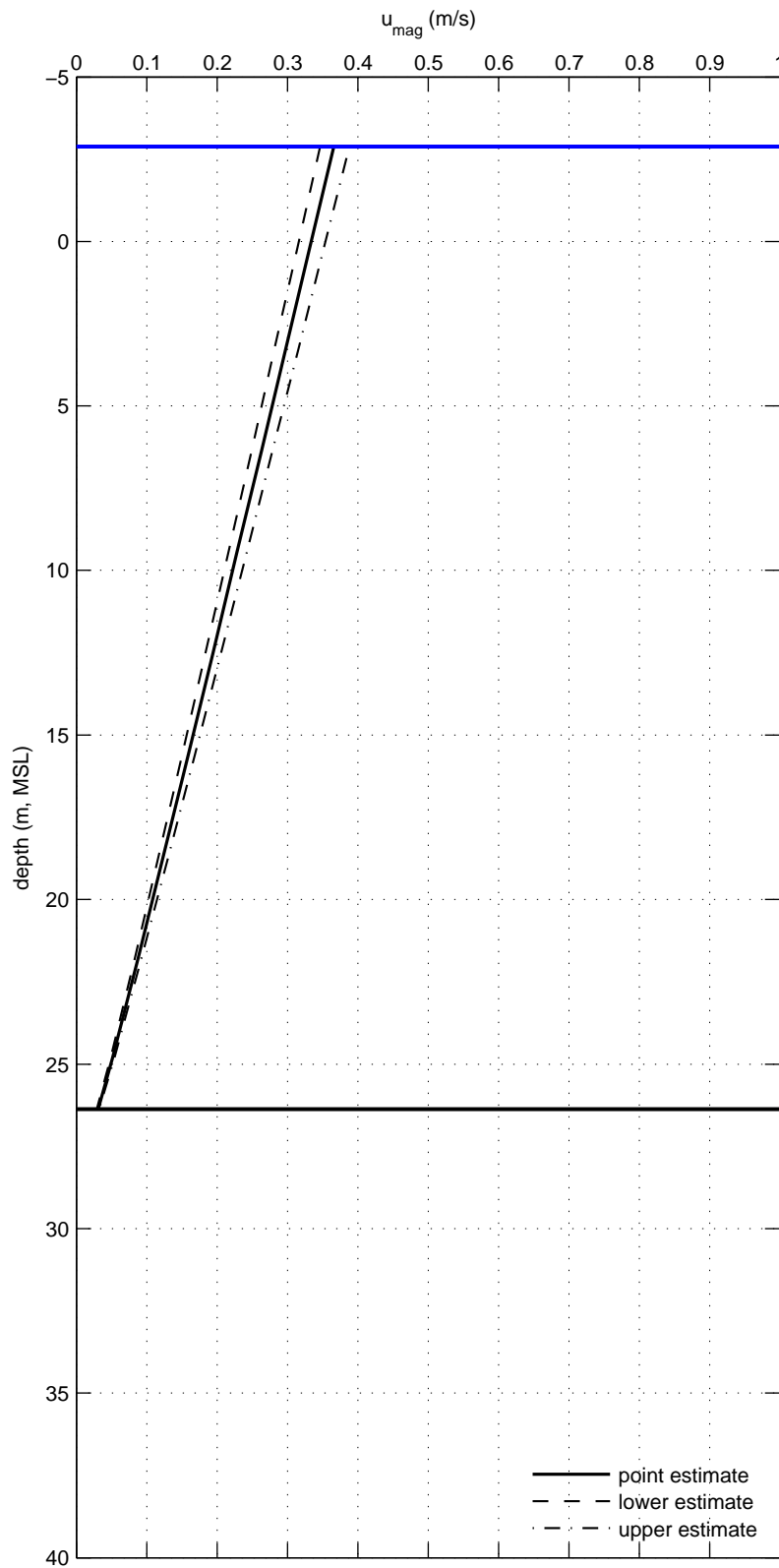
U10 = 22.3 m/s

Deltares

App. C.3.047

RP = 10 yr (U10 = 21.2 m/s)

Dir sector NNW



Current profile for directional sector NNW

RP = 10 yr

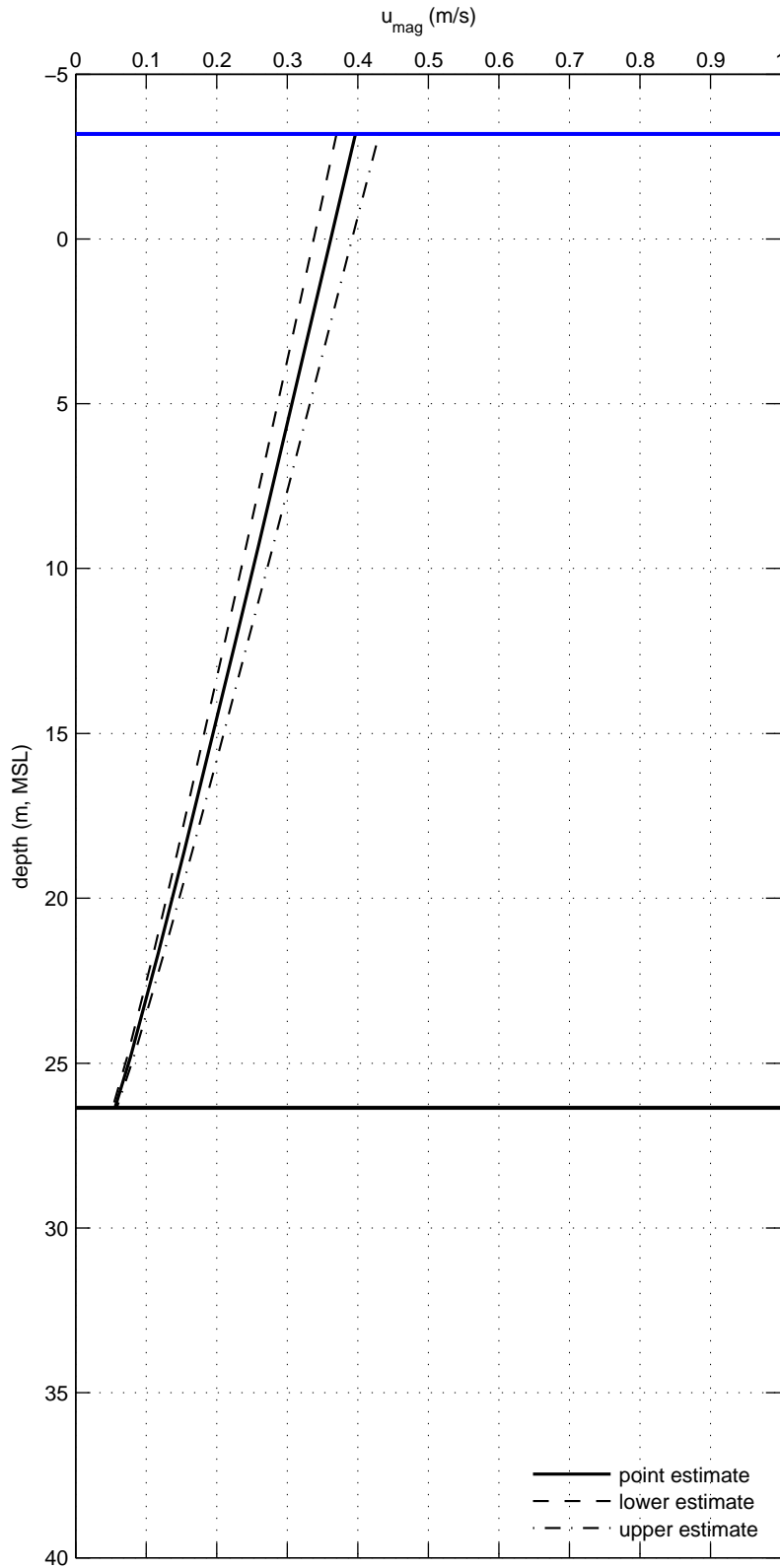
U10 = 21.2 m/s

Deltares

App. C.3.048

RP = 50 yr (U10 = 20.8 m/s)

Dir sector N



Current profile for directional sector N

RP = 50 yr

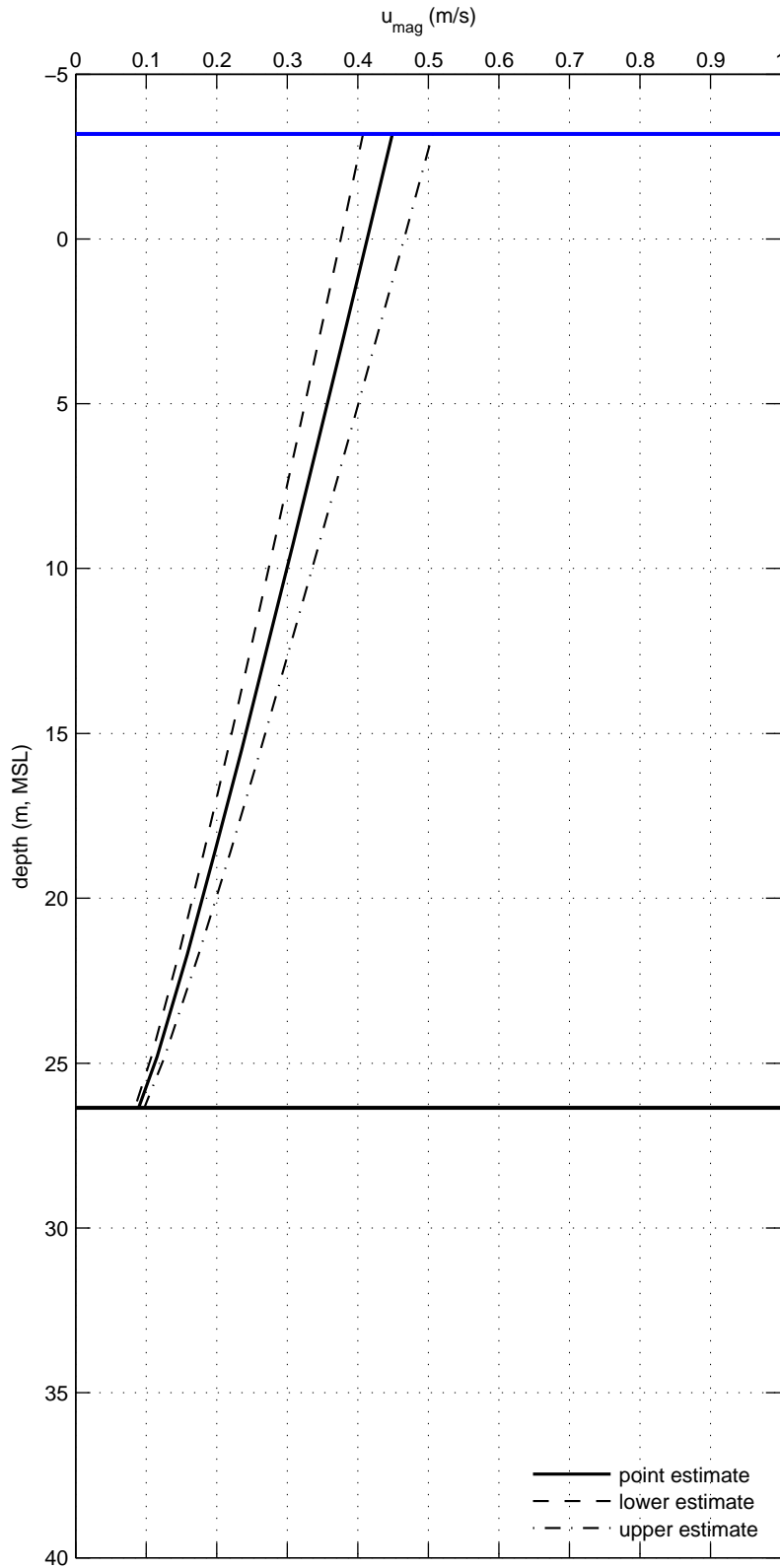
U10 = 20.8 m/s

Deltares

App. C.3.049

RP = 50 yr (U10 = 20.8 m/s)

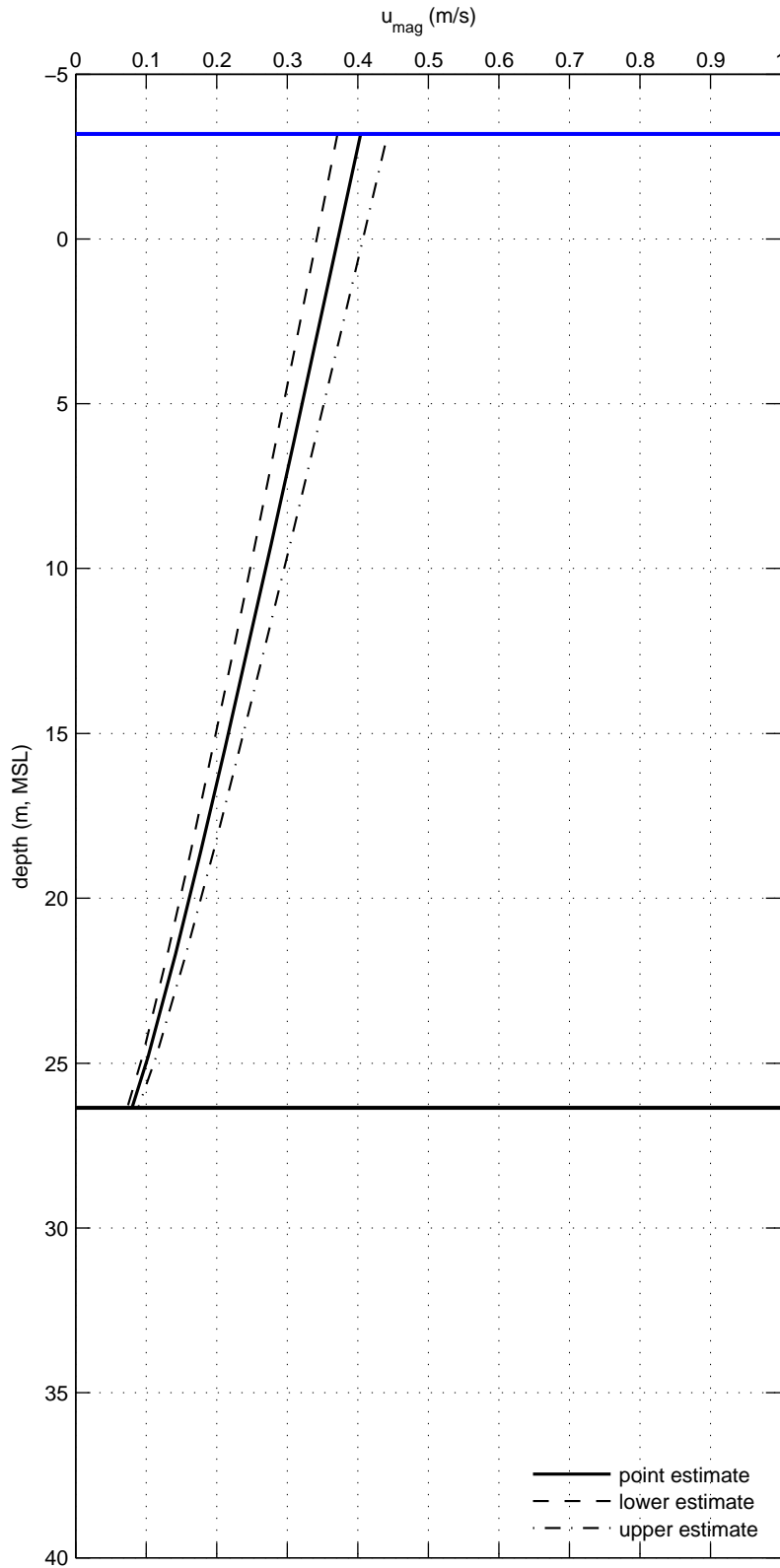
Dir sector NNE



Current profile for directional sector NNE	RP = 50 yr	U10 = 20.8 m/s
Deltares		App. C.3.050

RP = 50 yr (U10 = 18.8 m/s)

Dir sector ENE



Current profile for directional sector ENE

RP = 50 yr

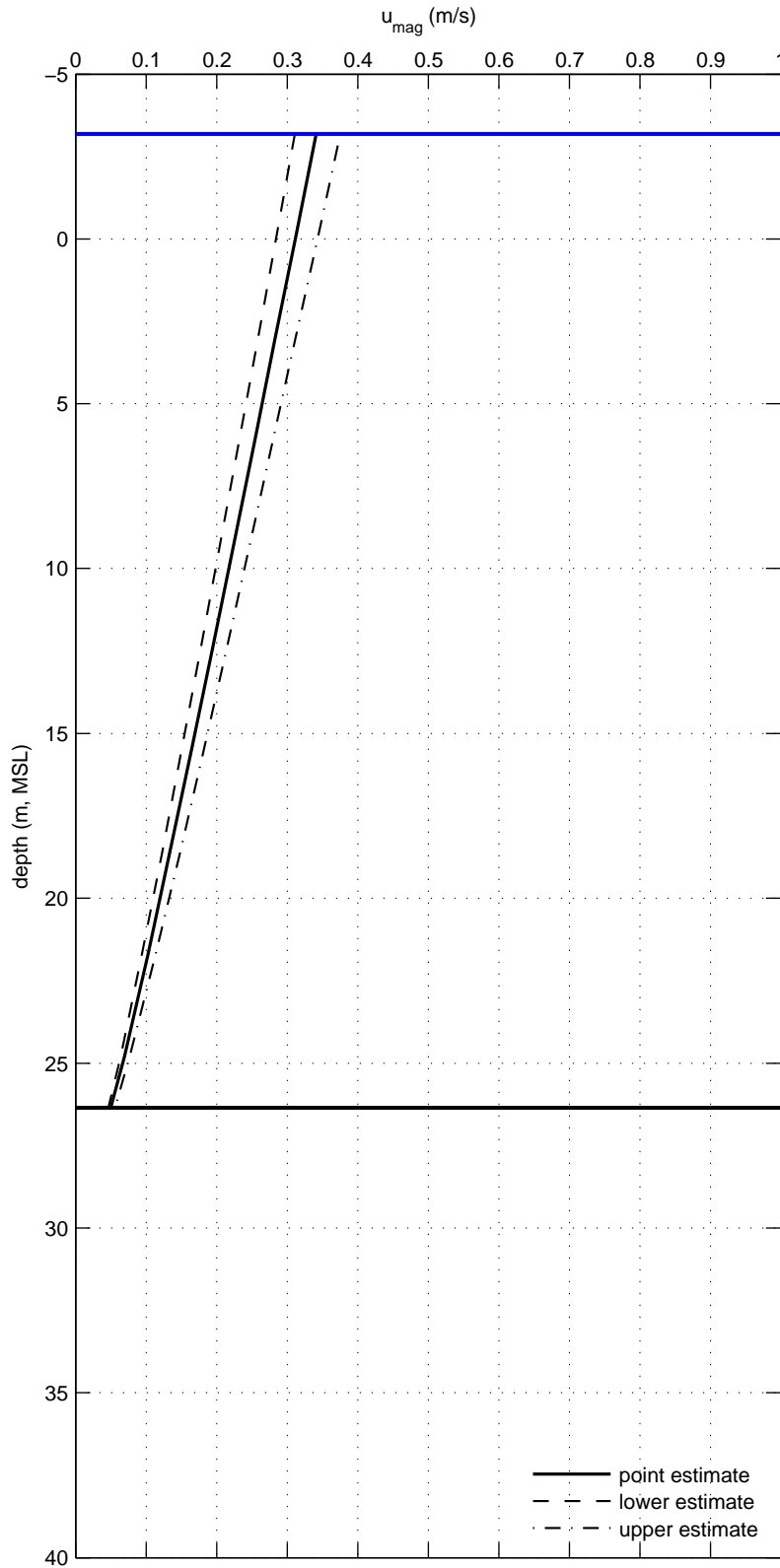
U10 = 18.8 m/s

Deltares

App. C.3.051

RP = 50 yr (U10 = 17.6 m/s)

Dir sector E



Current profile for directional sector E

RP = 50 yr

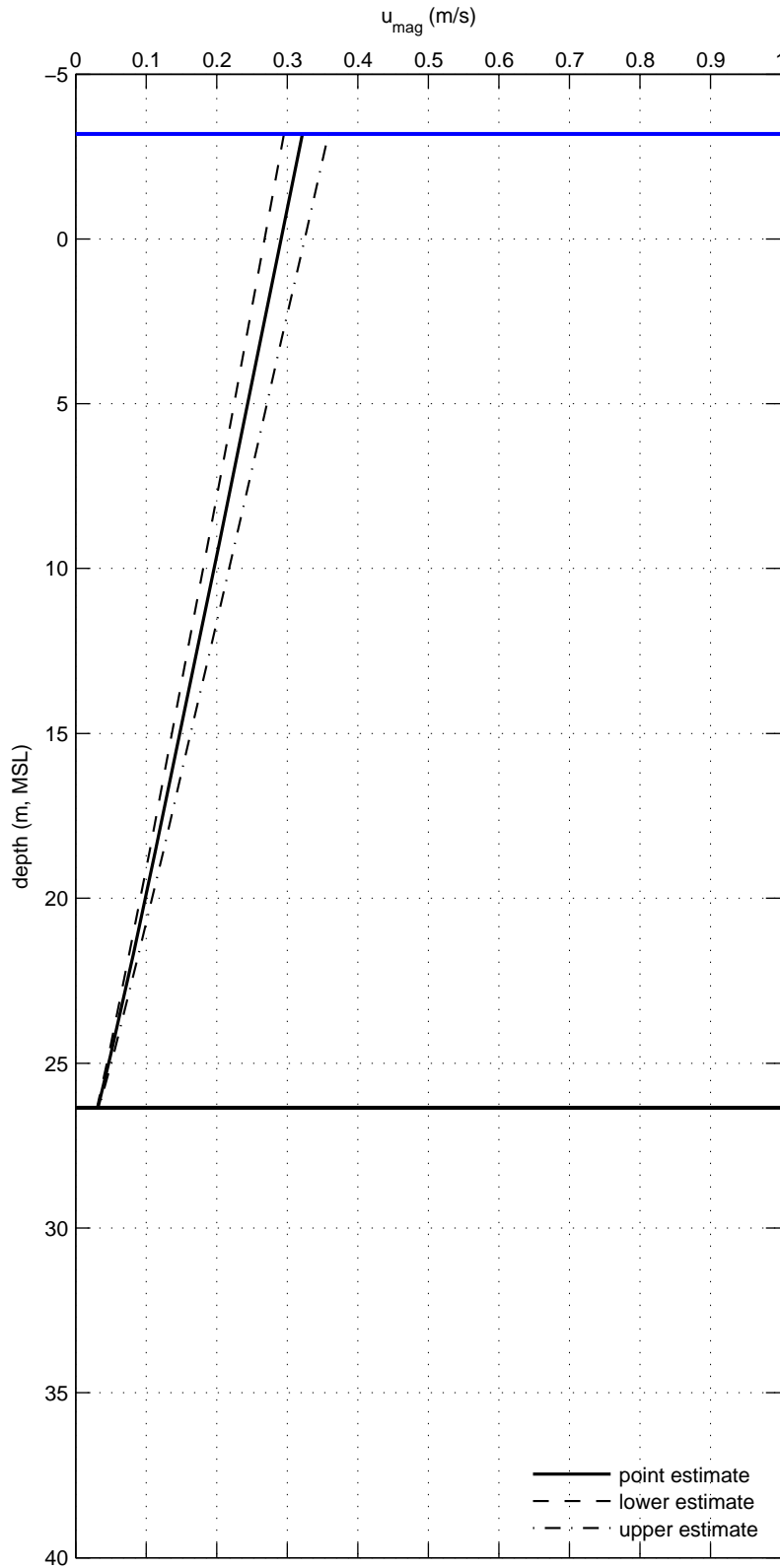
U10 = 17.6 m/s

Deltares

App. C.3.052

RP = 50 yr (U10 = 18.2 m/s)

Dir sector ESE



Current profile for directional sector ESE

RP = 50 yr

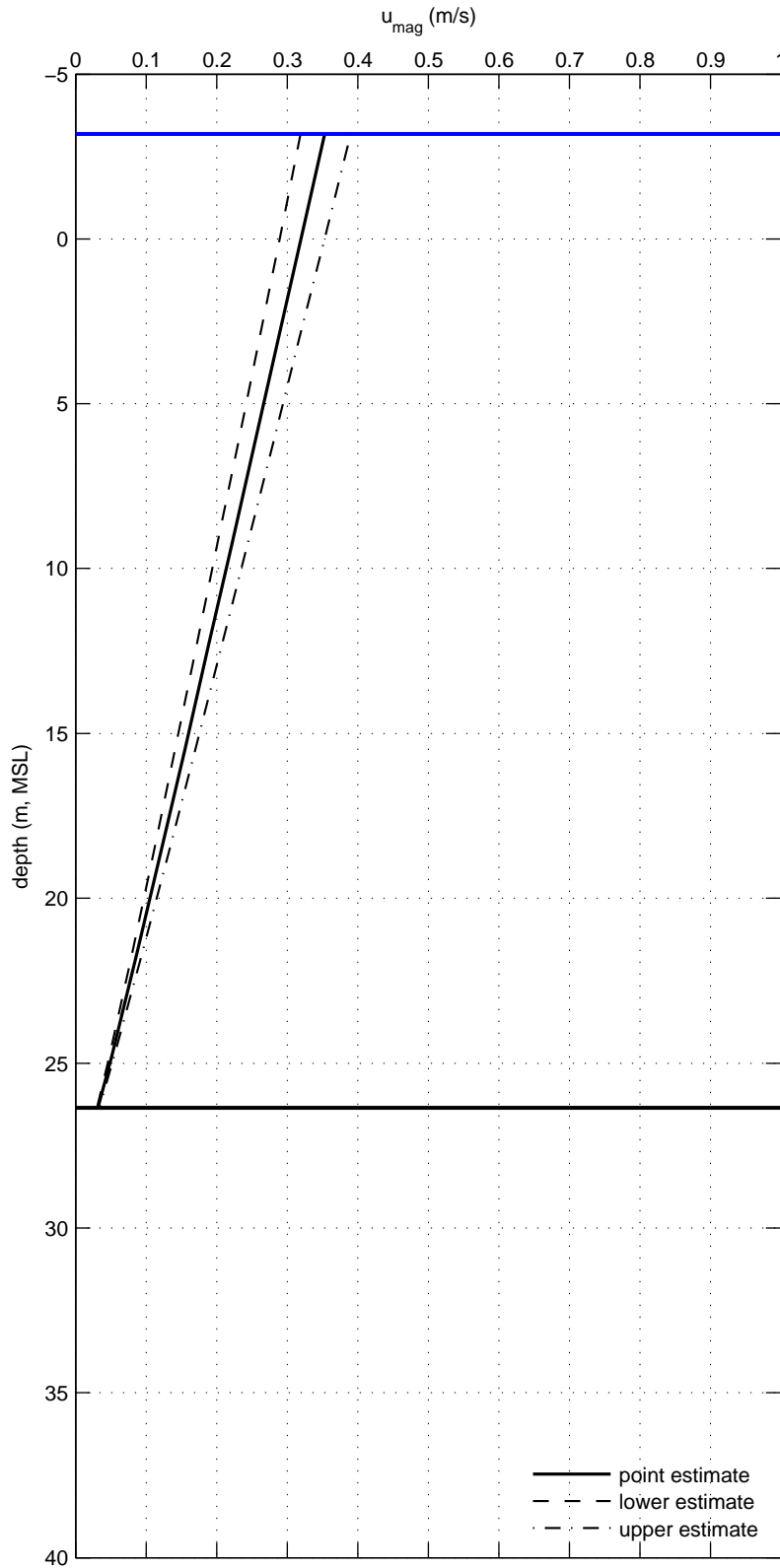
U10 = 18.2 m/s

Deltares

App. C.3.053

RP = 50 yr (U10 = 20.3 m/s)

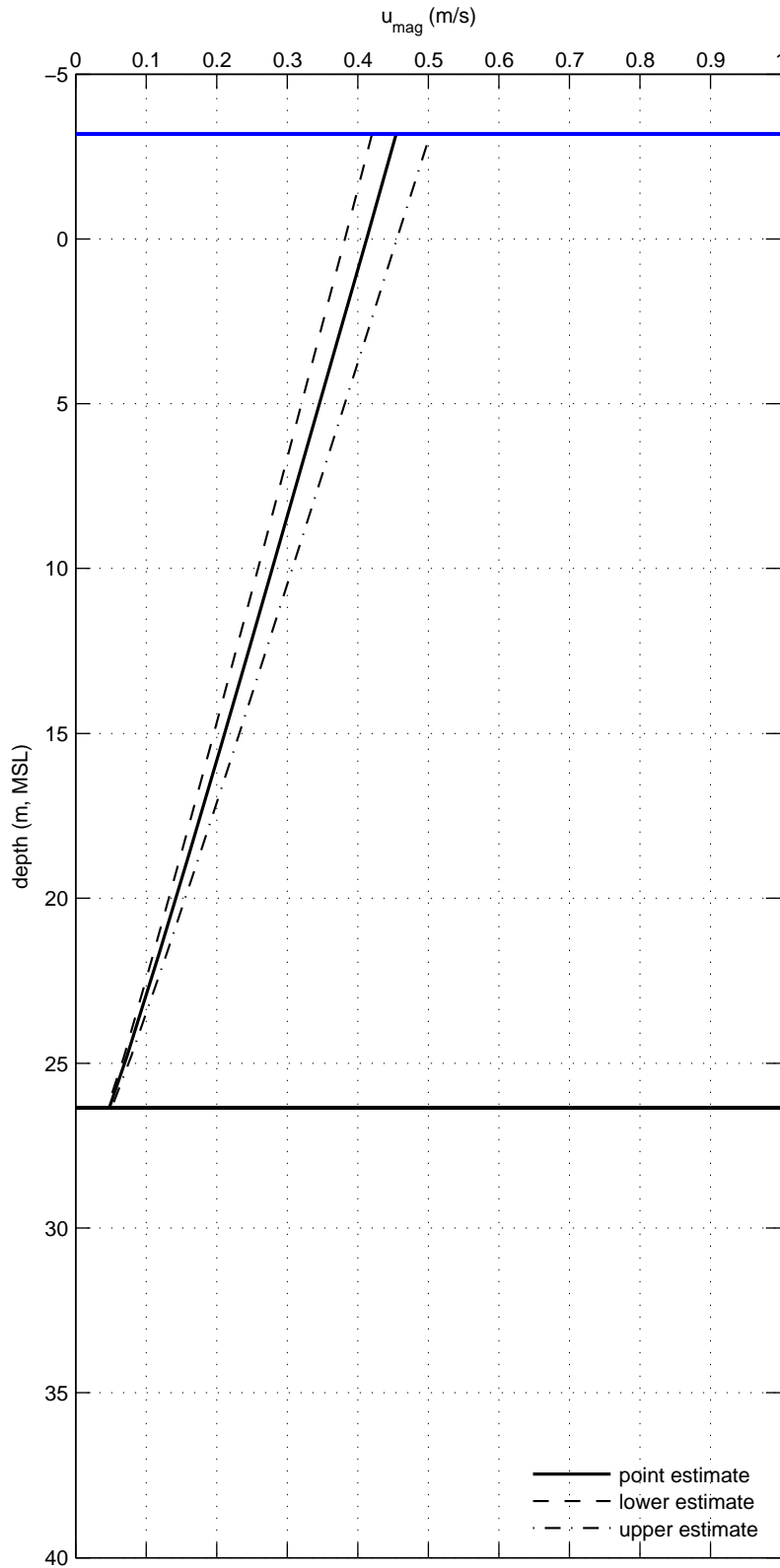
Dir sector SSE



Current profile for directional sector SSE	RP = 50 yr	U10 = 20.3 m/s
Deltares		App. C.3.054

RP = 50 yr (U10 = 25.4 m/s)

Dir sector S



Current profile for directional sector S

RP = 50 yr

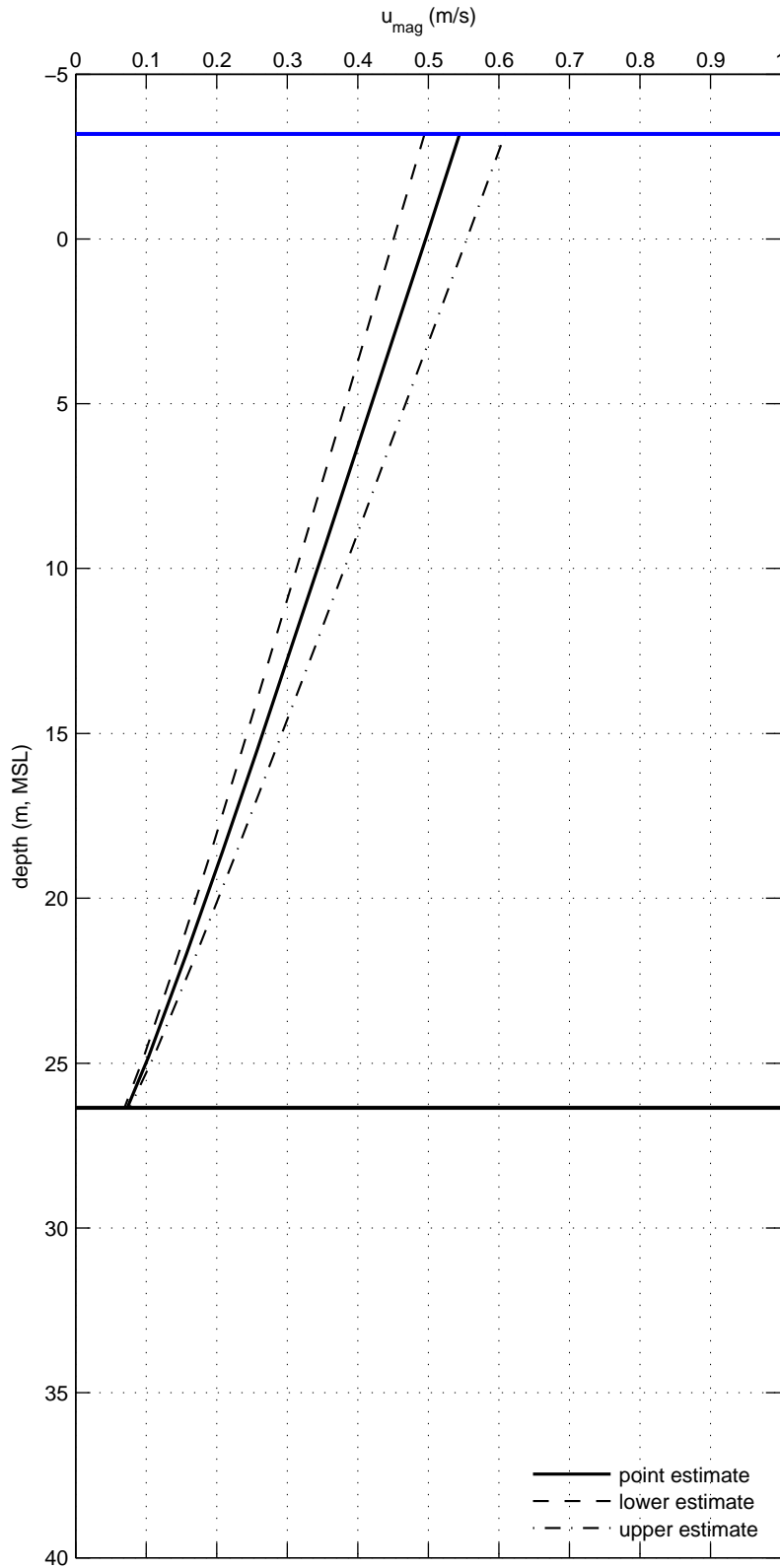
U10 = 25.4 m/s

Deltares

App. C.3.055

RP = 50 yr (U10 = 28.8 m/s)

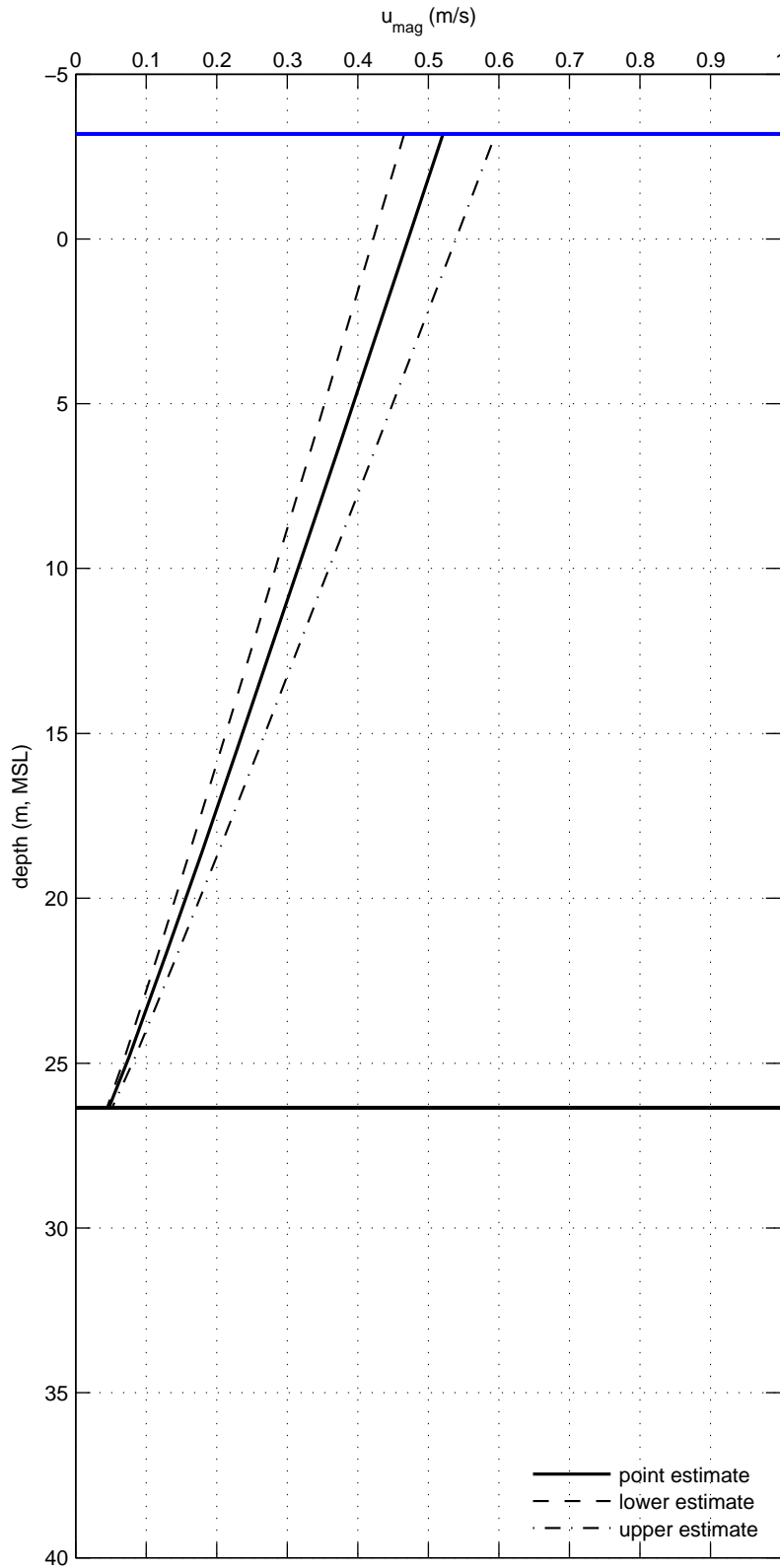
Dir sector SSW



Current profile for directional sector SSW	RP = 50 yr	U10 = 28.8 m/s
Deltares		App. C.3.056

RP = 50 yr (U10 = 29.9 m/s)

Dir sector WSW



Current profile for directional sector WSW

RP = 50 yr

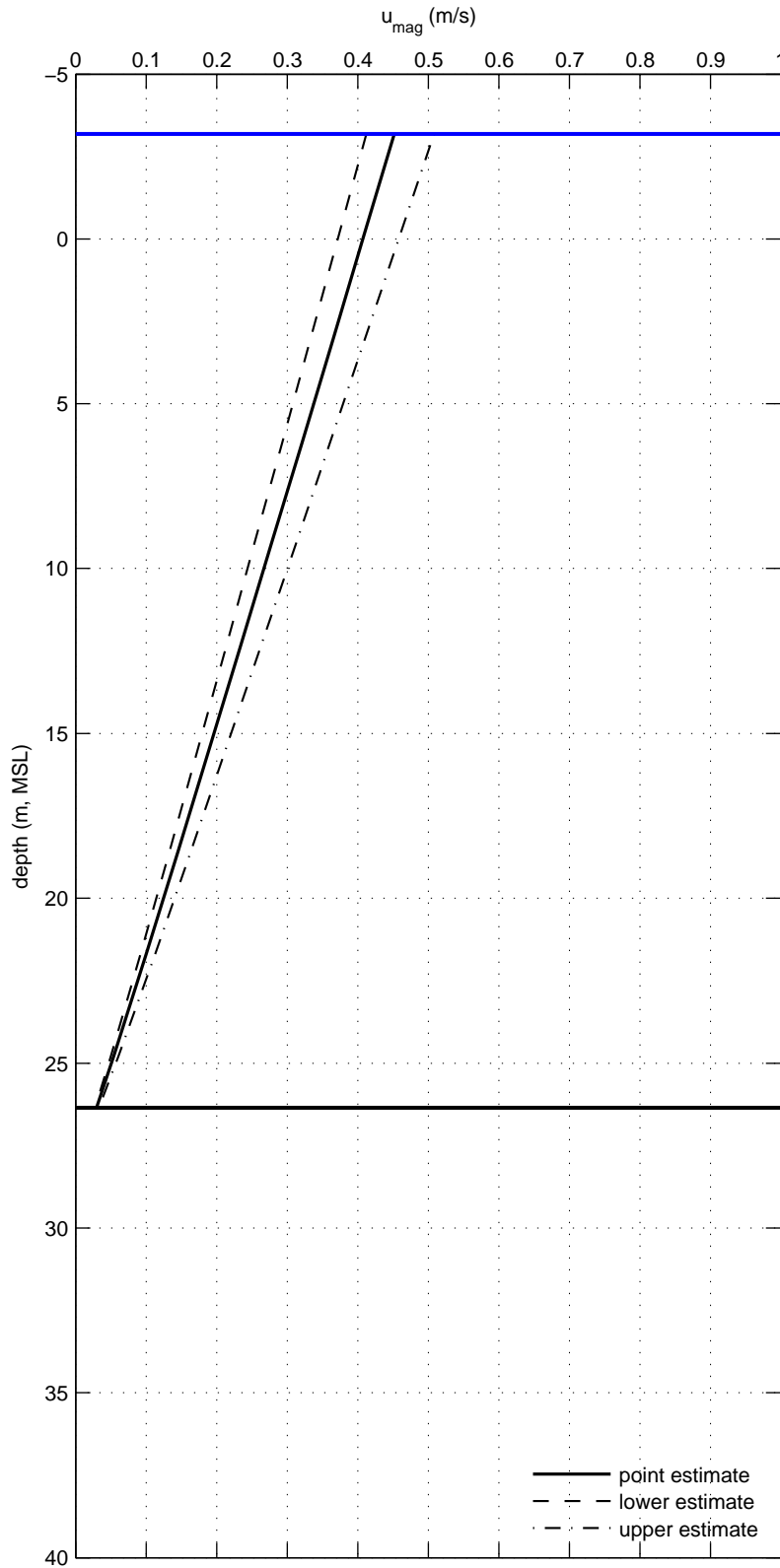
U10 = 29.9 m/s

Deltares

App. C.3.057

RP = 50 yr (U10 = 27.1 m/s)

Dir sector W



Current profile for directional sector W

RP = 50 yr

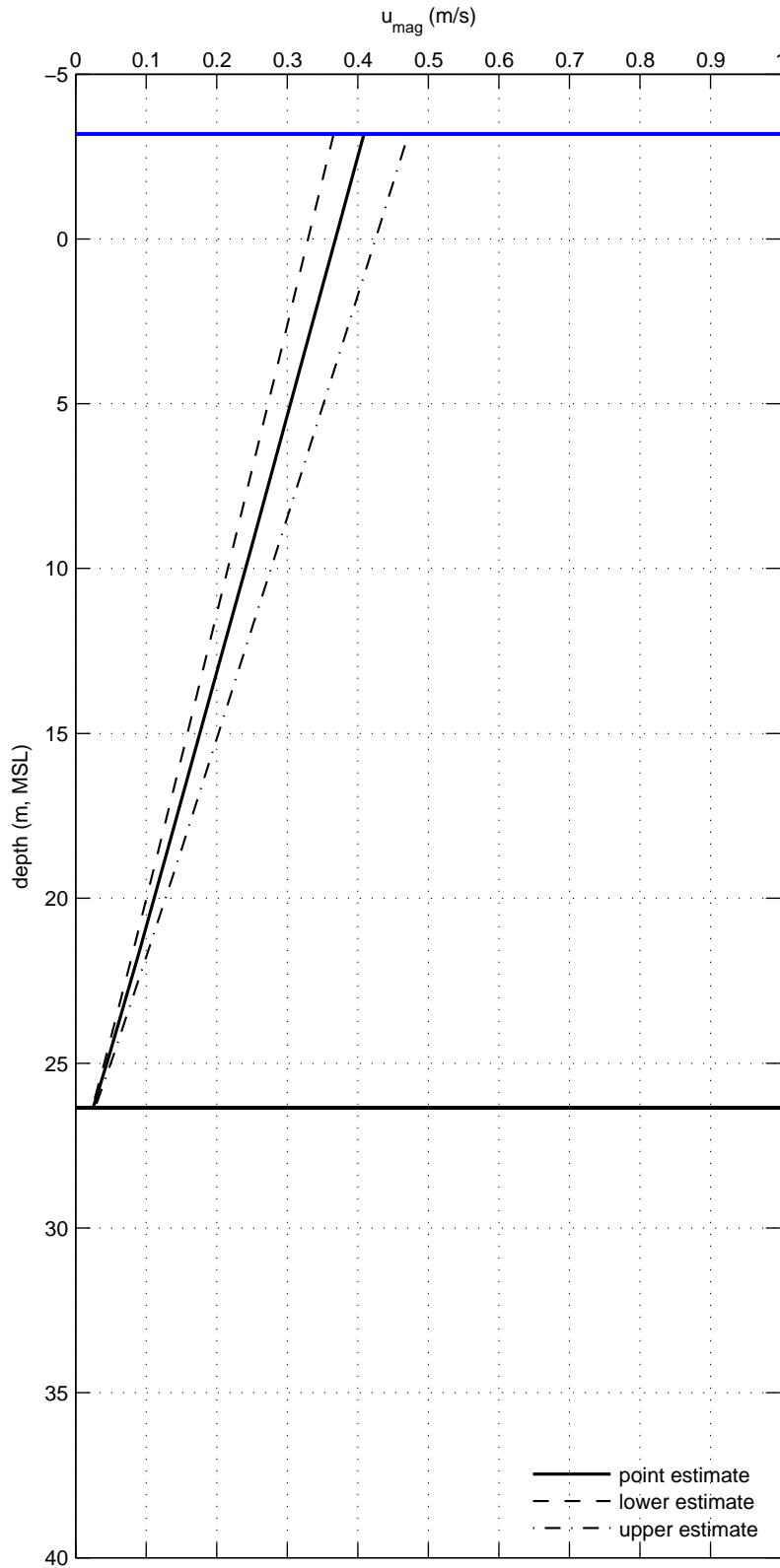
U10 = 27.1 m/s

Deltares

App. C.3.058

RP = 50 yr (U10 = 24.7 m/s)

Dir sector WNW



Current profile for directional sector WNW

RP = 50 yr

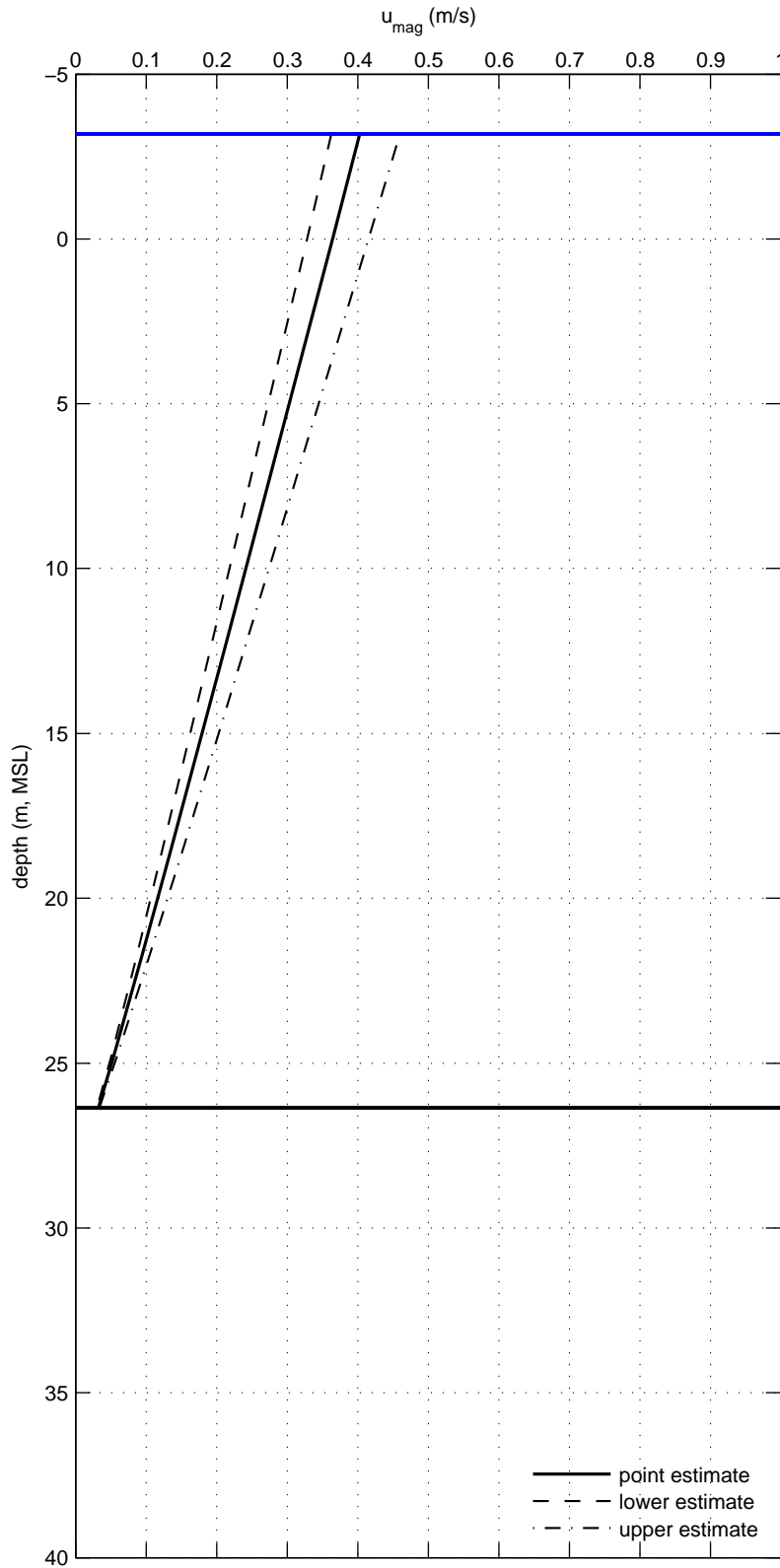
U10 = 24.7 m/s

Deltares

App. C.3.059

RP = 50 yr (U10 = 23.6 m/s)

Dir sector NNW



Current profile for directional sector NNW

RP = 50 yr

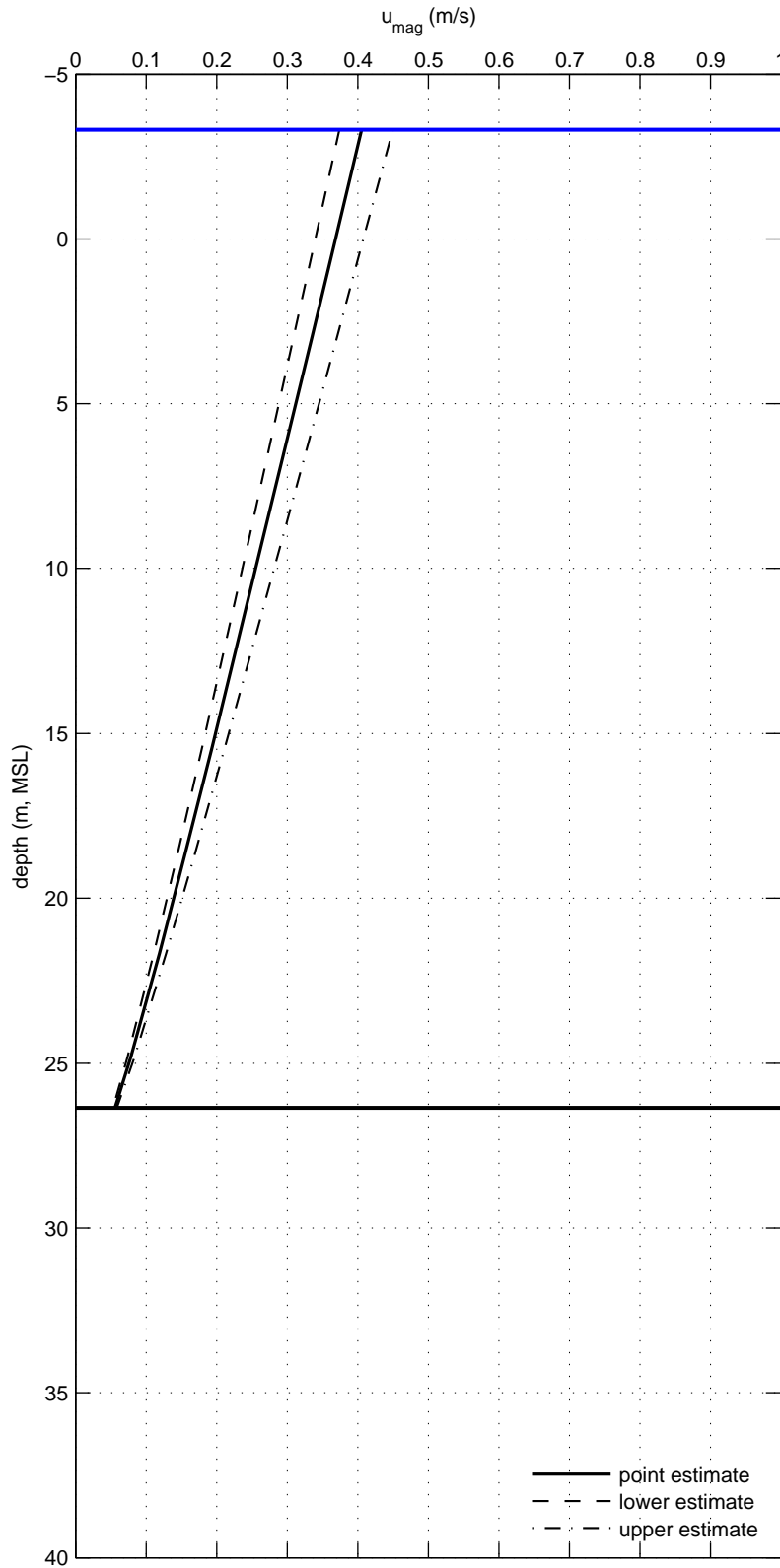
U10 = 23.6 m/s

Deltares

App. C.3.060

RP = 100 yr (U10 = 21.3 m/s)

Dir sector N



Current profile for directional sector N

RP = 100 yr

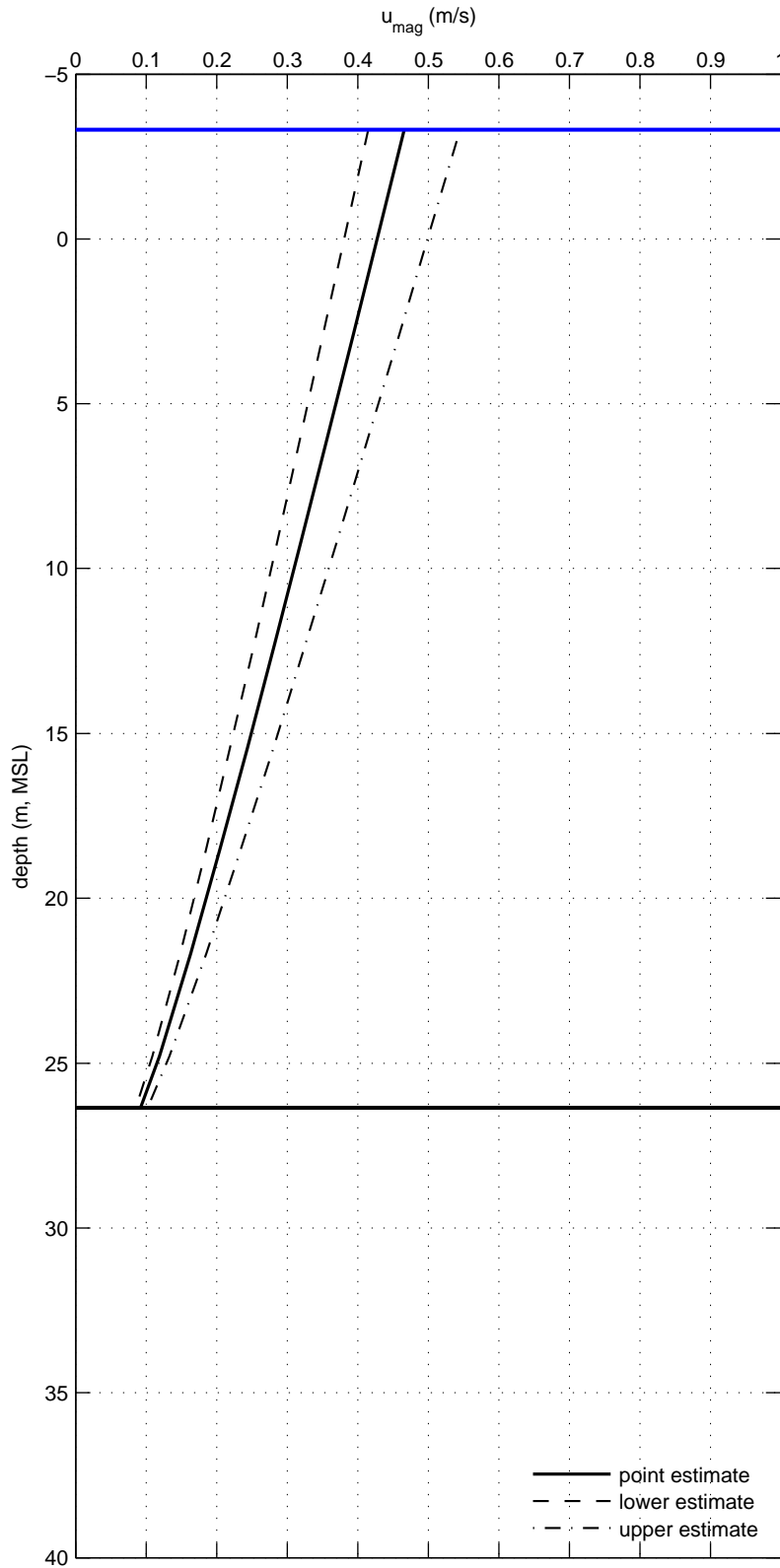
U10 = 21.3 m/s

Deltares

App. C.3.061

RP = 100 yr (U10 = 21.7 m/s)

Dir sector NNE



Current profile for directional sector NNE

RP = 100 yr

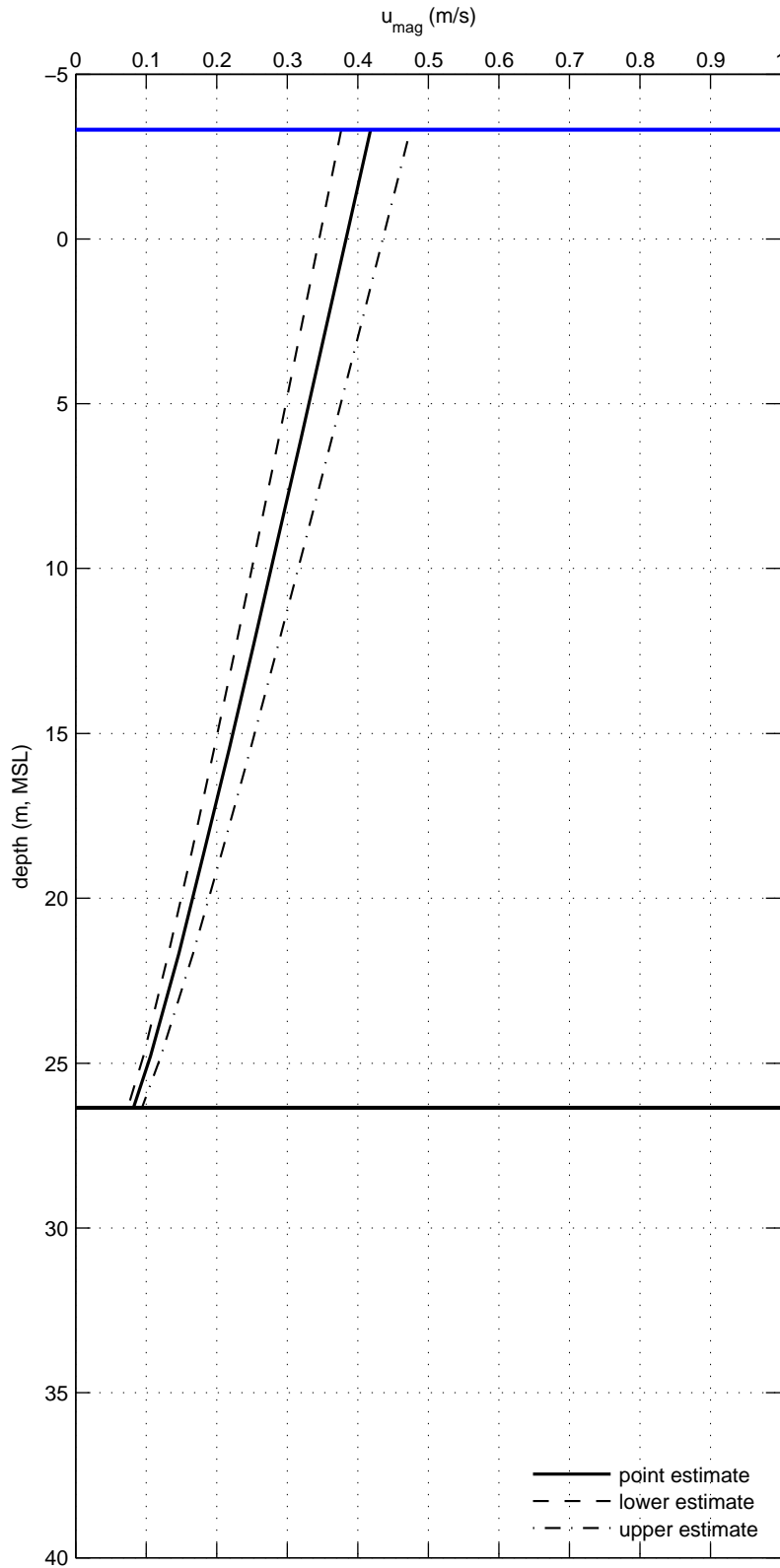
U10 = 21.7 m/s

Deltares

App. C.3.062

RP = 100 yr (U10 = 19.5 m/s)

Dir sector ENE



Current profile for directional sector ENE

RP = 100 yr

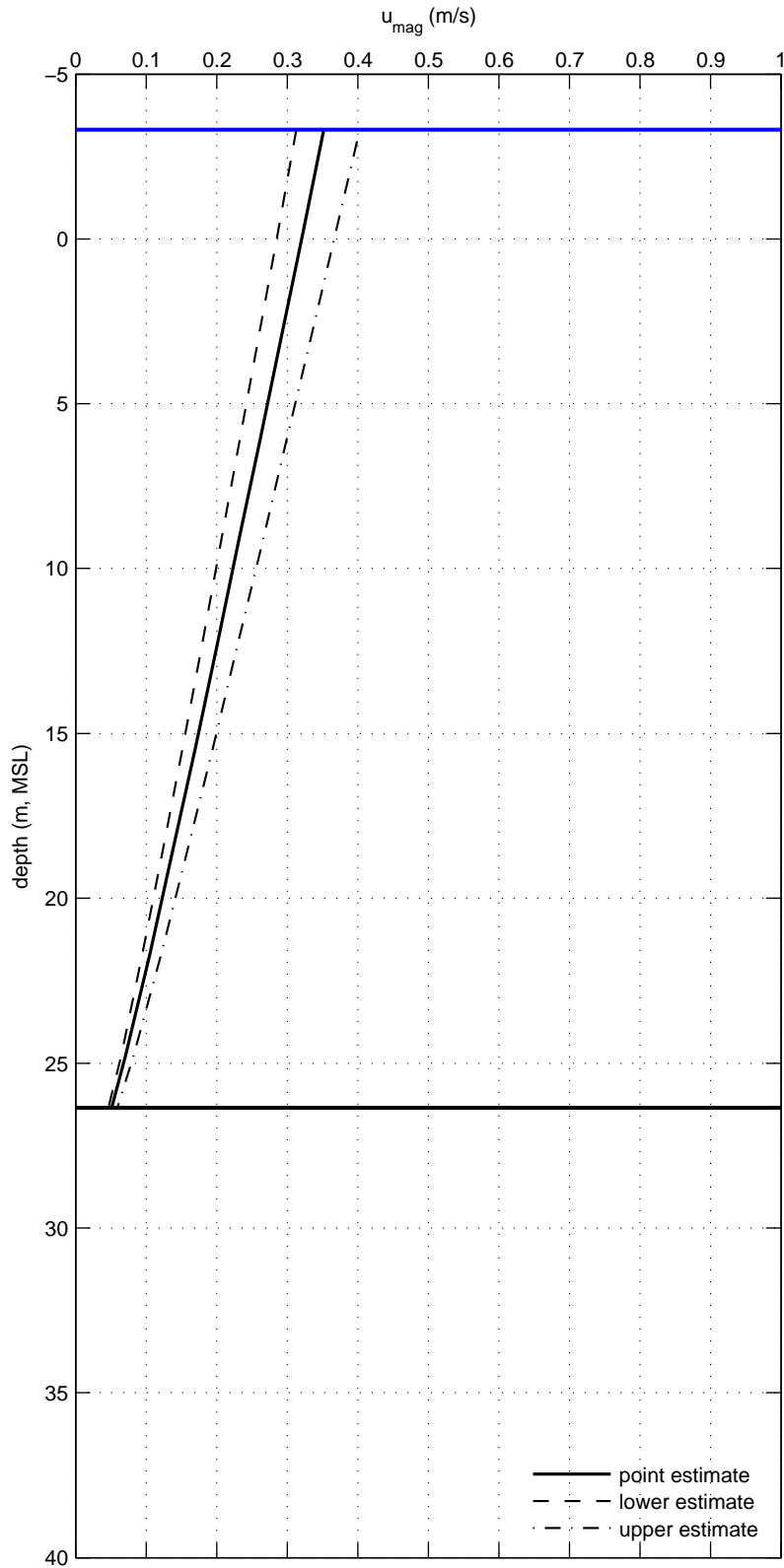
U10 = 19.5 m/s

Deltares

App. C.3.063

RP = 100 yr (U10 = 18.2 m/s)

Dir sector E



Current profile for directional sector E

RP = 100 yr

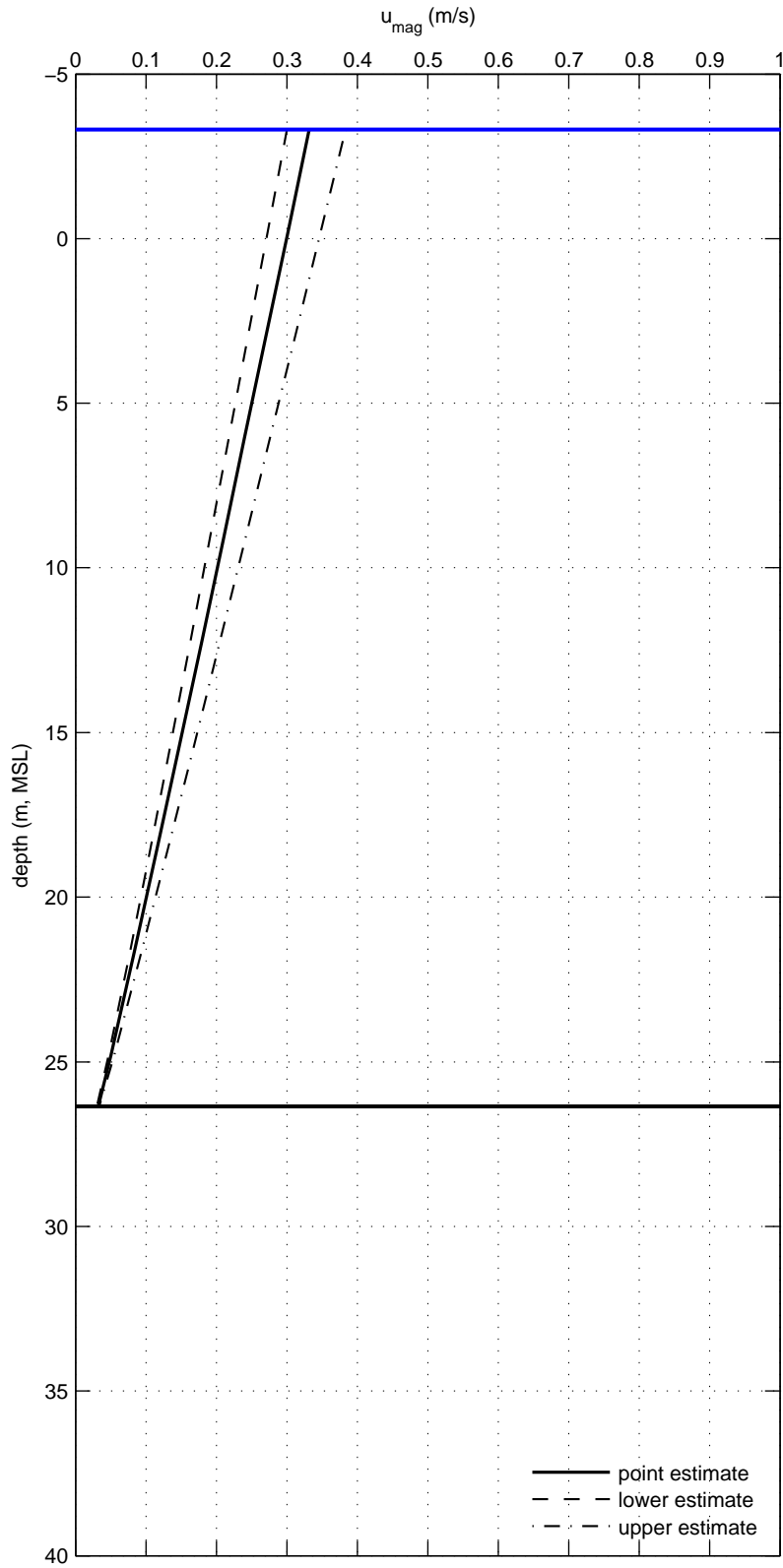
U10 = 18.2 m/s

Deltares

App. C.3.064

RP = 100 yr (U10 = 18.8 m/s)

Dir sector ESE



Current profile for directional sector ESE

RP = 100 yr

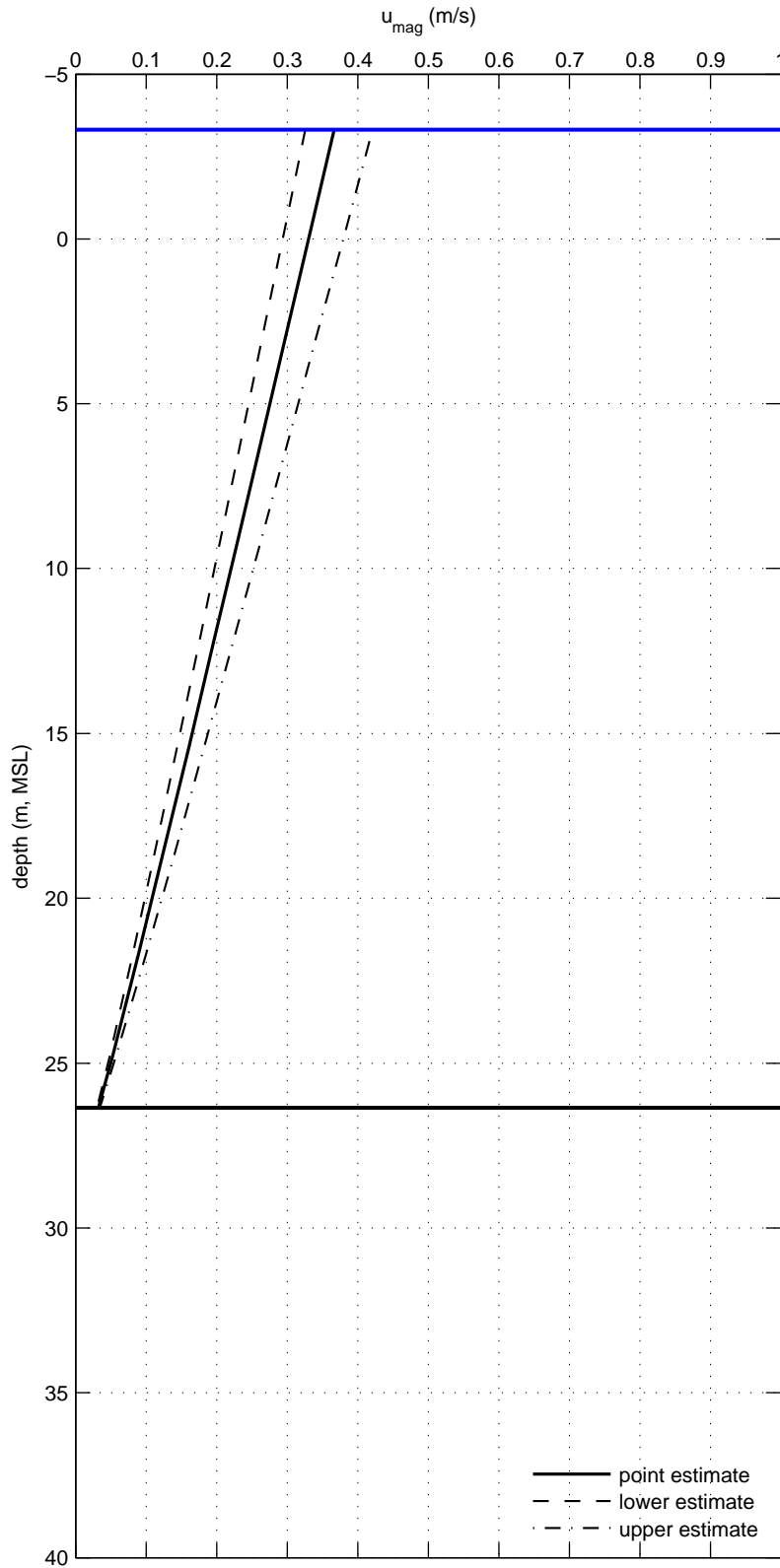
U10 = 18.8 m/s

Deltares

App. C.3.065

RP = 100 yr (U10 = 21.2 m/s)

Dir sector SSE



Current profile for directional sector SSE

RP = 100 yr

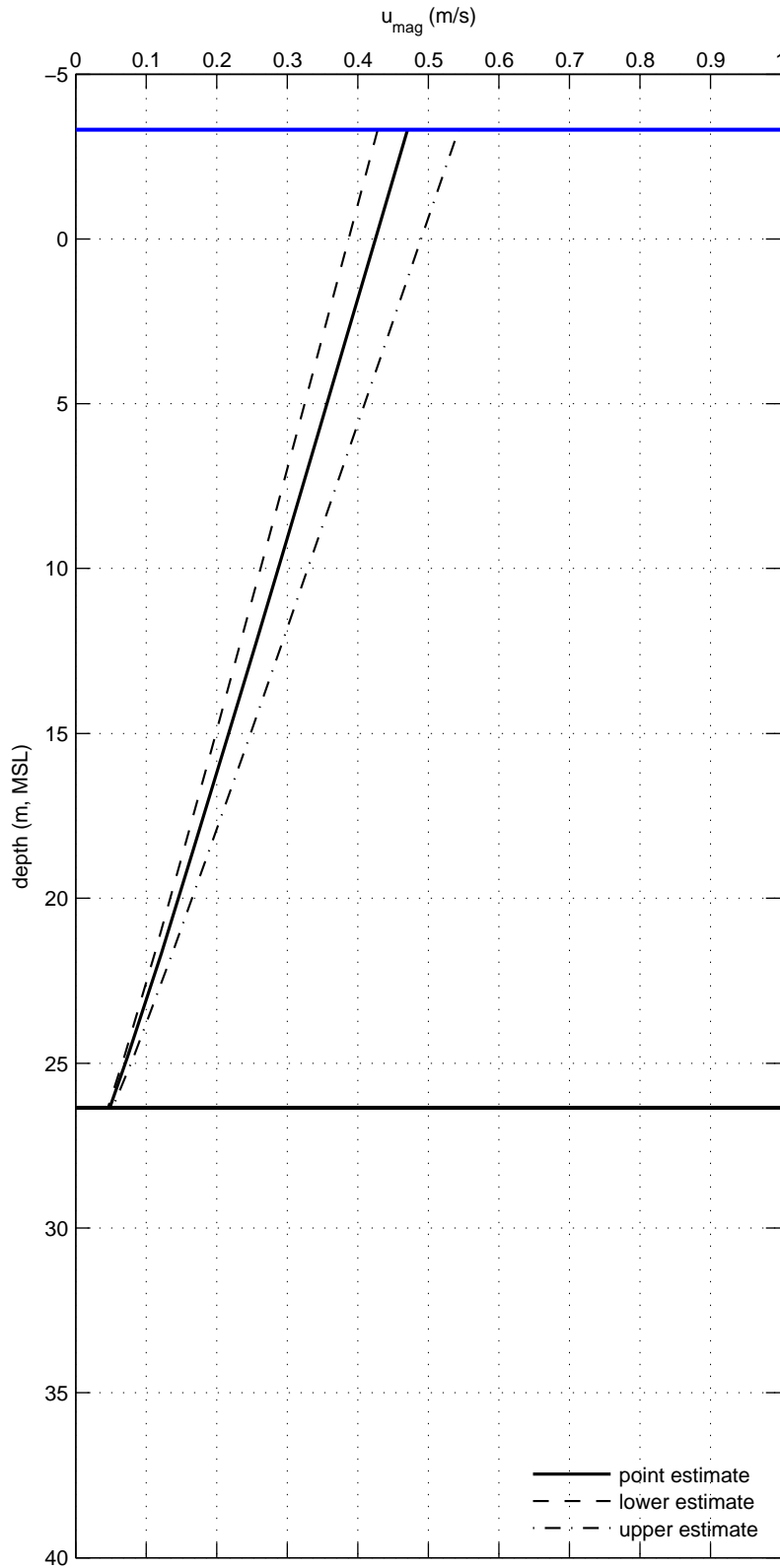
U10 = 21.2 m/s

Deltares

App. C.3.066

RP = 100 yr (U10 = 26.5 m/s)

Dir sector S



Current profile for directional sector S

RP = 100 yr

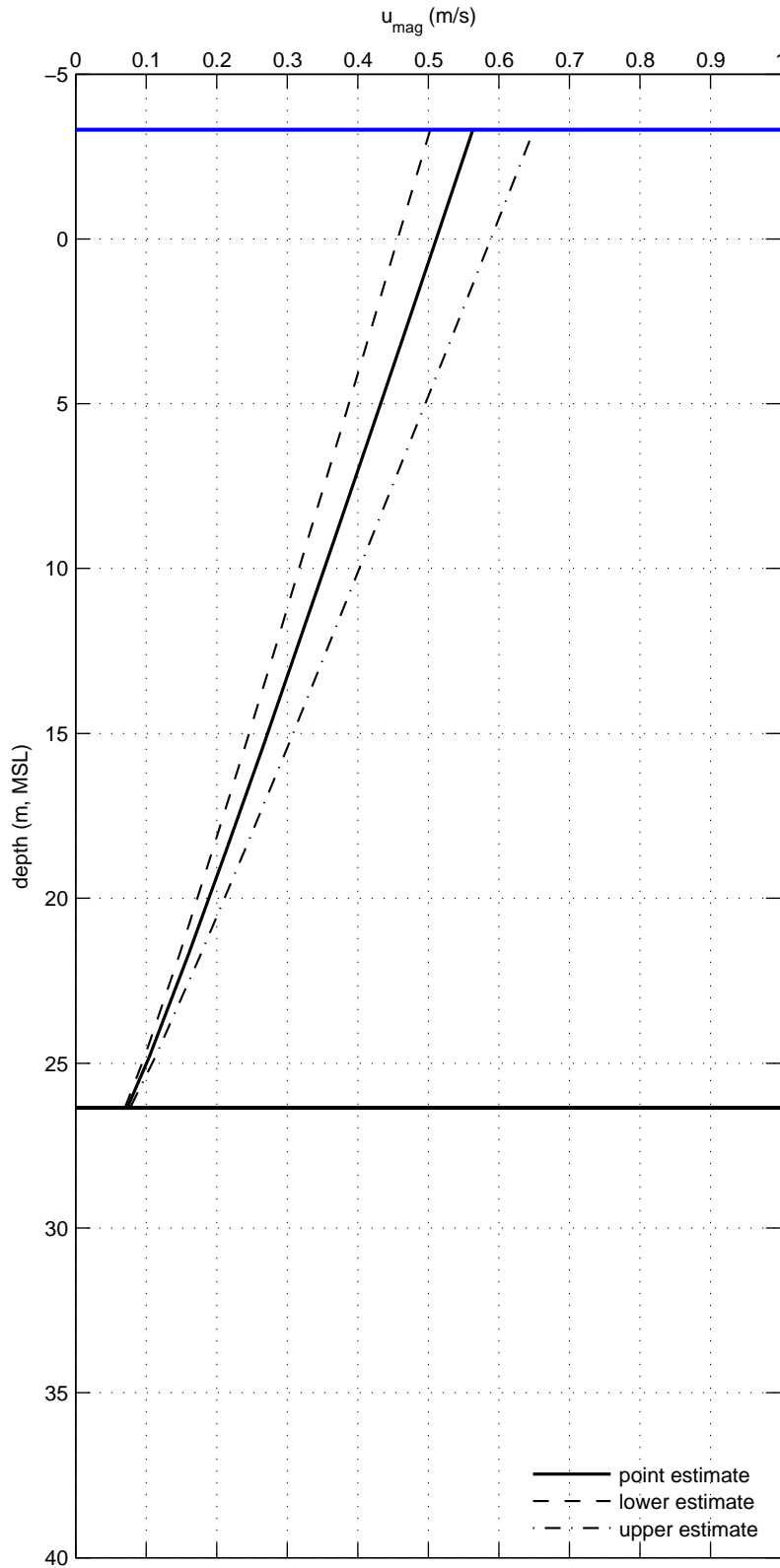
U10 = 26.5 m/s

Deltares

App. C.3.067

RP = 100 yr (U10 = 30.0 m/s)

Dir sector SSW



Current profile for directional sector SSW

RP = 100 yr

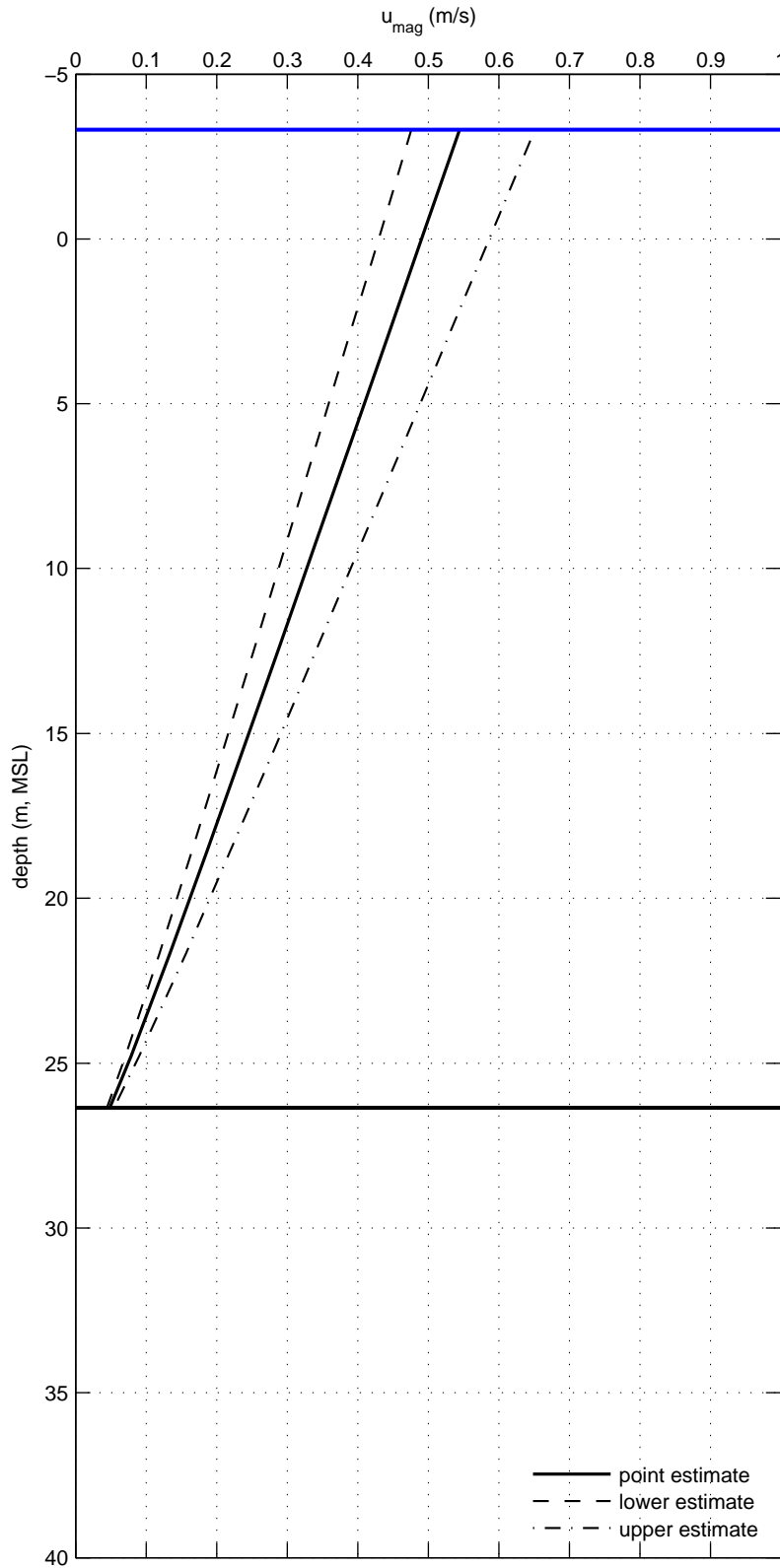
U10 = 30.0 m/s

Deltares

App. C.3.068

RP = 100 yr (U10 = 31.3 m/s)

Dir sector WSW



Current profile for directional sector WSW

RP = 100 yr

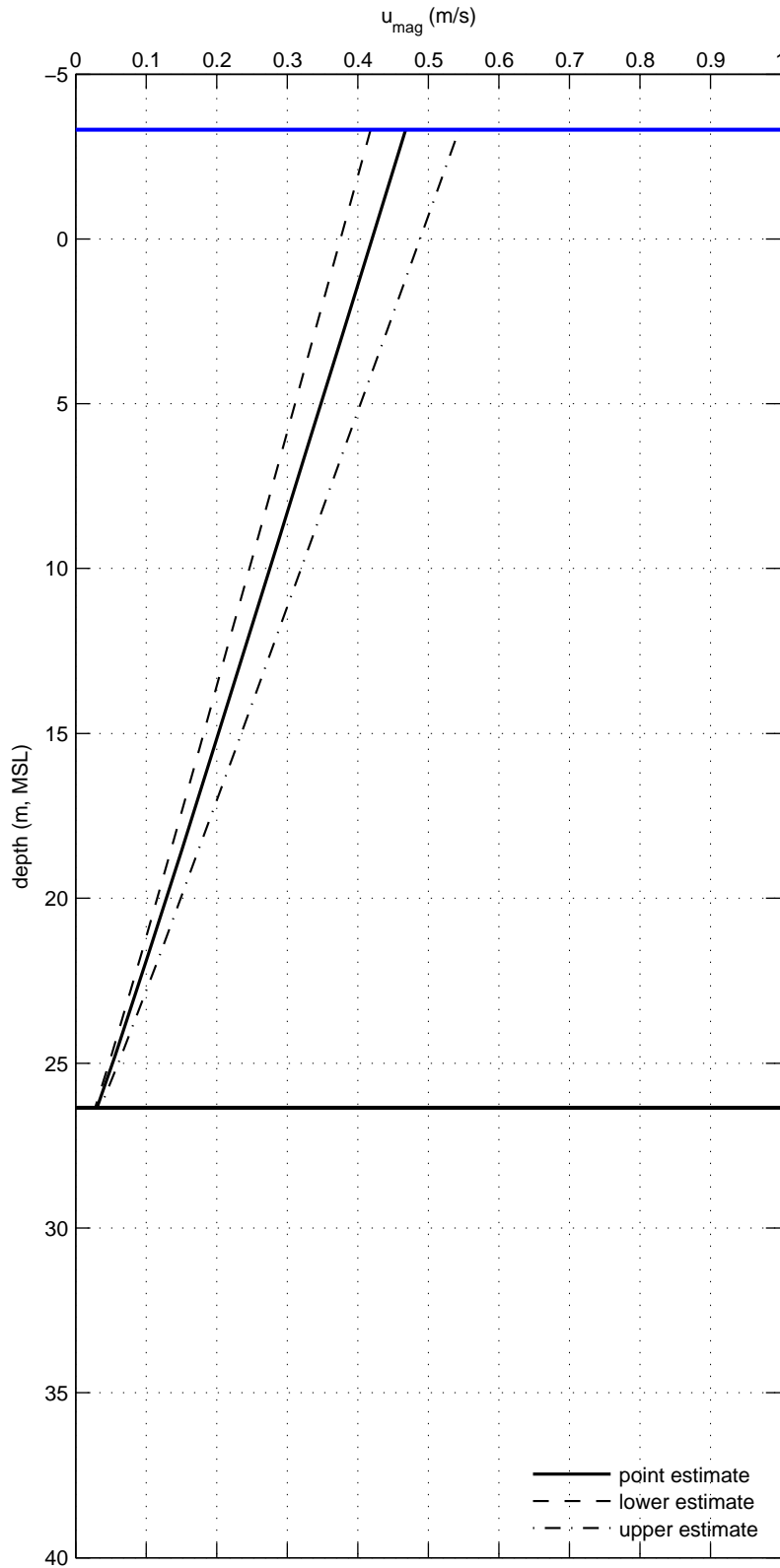
U10 = 31.3 m/s

Deltares

App. C.3.069

RP = 100 yr (U10 = 28.1 m/s)

Dir sector W



Current profile for directional sector W

RP = 100 yr

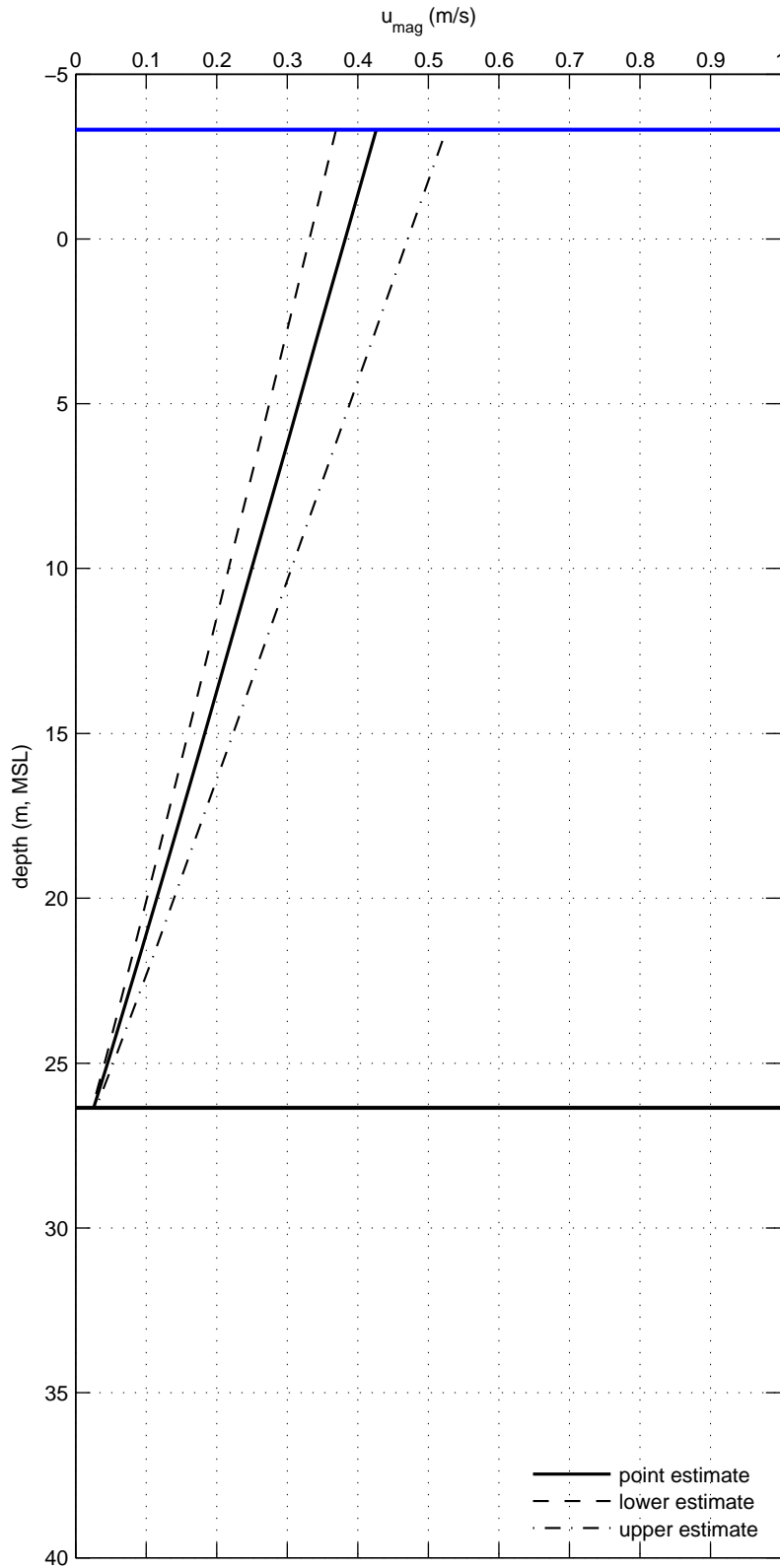
U10 = 28.1 m/s

Deltares

App. C.3.070

RP = 100 yr (U10 = 25.8 m/s)

Dir sector WNW



Current profile for directional sector WNW

RP = 100 yr

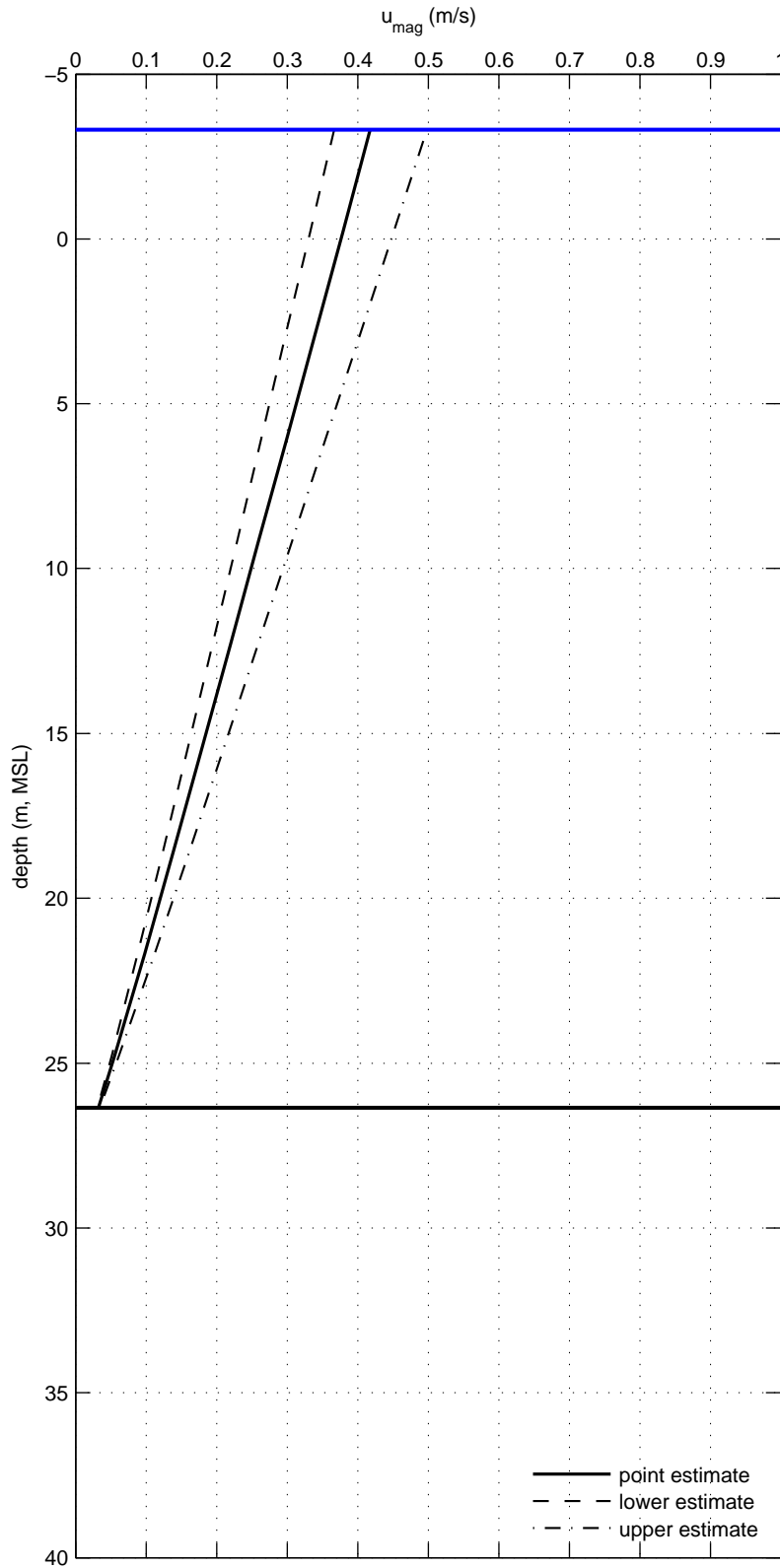
U10 = 25.8 m/s

Deltares

App. C.3.071

RP = 100 yr (U10 = 24.5 m/s)

Dir sector NNW



Current profile for directional sector NNW

RP = 100 yr

U10 = 24.5 m/s

Deltares

App. C.3.072

H_s (m)	U_c (m/s)												
	0.00-0.10	0.10-0.20	0.20-0.30	0.30-0.40	0.40-0.50	0.50-0.60	0.60-0.70	0.70-0.80	0.80-0.90	0.90-1.00	1.00-1.10	>1.10	
>7.0													
6.5-7.0					0.00		0.00		0.00	0.00			0.00
6.0-6.5		0.00	0.00		0.00	0.00	0.00	0.00	0.00				0.01
5.5-6.0	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.00			0.04
5.0-5.5	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.07
4.5-5.0	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.23
4.0-4.5	0.01	0.03	0.07	0.08	0.07	0.07	0.06	0.05	0.04	0.02	0.01		0.50
3.5-4.0	0.02	0.08	0.15	0.16	0.17	0.17	0.17	0.14	0.09	0.04	0.00		1.17
3.0-3.5	0.02	0.15	0.31	0.32	0.31	0.33	0.34	0.27	0.14	0.06	0.01	0.00	2.26
2.5-3.0	0.03	0.22	0.54	0.55	0.57	0.62	0.61	0.52	0.29	0.08	0.01		4.04
2.0-2.5	0.03	0.37	1.02	1.11	1.15	1.17	1.20	0.96	0.51	0.09			7.63
1.5-2.0	0.02	0.54	1.84	1.93	1.87	2.11	2.10	1.74	0.85	0.09	0.00		13.08
1.0-1.5	0.01	0.92	3.54	3.51	3.67	4.01	4.08	3.43	1.56	0.10			24.83
0.5-1.0	0.01	1.23	4.89	4.97	5.08	5.72	5.55	4.56	1.96	0.10			34.08
0.0-0.5		0.40	1.67	1.70	1.74	2.00	2.01	1.68	0.79	0.05			12.05
	0.16	3.96	14.07	14.38	14.69	16.25	16.17	13.38	6.25	0.65	0.04	0.00	100.00
	All year											Total	

Joint Occurrence table of wave height vs. current velocity

Deltares

App. D.1.001

		residual current velocity (m/s)											
		0.00-0.10	0.10-0.20	0.20-0.30	0.30-0.40	0.40-0.50	0.50-0.60	0.60-0.70	0.70-0.80	0.80-0.90	0.90-1.00	1.00-1.10	>1.10
H _s (m)	>7.0												
	6.5-7.0				0.00		0.00			0.00			0.00
	6.0-6.5	0.00	0.00	0.00	0.00				0.00	0.00			
	5.5-6.0	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00			
	5.0-5.5	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00				
	4.5-5.0	0.04	0.07	0.06	0.03	0.01	0.01	0.01	0.00				
	4.0-4.5	0.14	0.15	0.11	0.05	0.03	0.02	0.00					
	3.5-4.0	0.31	0.40	0.26	0.14	0.05	0.01	0.00					
	3.0-3.5	0.70	0.90	0.47	0.15	0.04	0.01						
	2.5-3.0	1.75	1.67	0.51	0.10	0.01							
	2.0-2.5	4.55	2.59	0.42	0.07	0.01	0.00						
	1.5-2.0	10.25	2.60	0.20	0.02	0.00							
	1.0-1.5	23.19	1.57	0.07	0.00								
0.5-1.0	33.71	0.36	0.00										
0.0-0.5	12.04	0.01											
		86.70	10.35	2.13	0.58	0.16	0.05	0.01	0.00	0.00			100.00
		All year											Total

Joint Occurrence table of wave height vs. residual current velocity

H_s (m)	surge height (m)															Total				
	-2.00→-1.75	-1.75→-1.50	-1.50→-1.25	-1.25→-1.00	-1.00→-0.75	-0.75→-0.50	-0.50→-0.25	-0.25→0.00	0.00→0.25	0.25→0.50	0.50→0.75	0.75→1.00	1.00→1.25	1.25→1.50	1.50→1.75		1.75→2.00	>2.00		
>7.0																				
6.5–7.0											0.00							0.00		
6.0–6.5										0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.01		
5.5–6.0									0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.04		
5.0–5.5							0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00		0.07		
4.5–5.0						0.01	0.01	0.04	0.03	0.05	0.05	0.03	0.01	0.00				0.23		
4.0–4.5					0.00	0.01	0.04	0.07	0.06	0.14	0.11	0.05	0.01	0.00				0.50		
3.5–4.0				0.00	0.01	0.06	0.12	0.23	0.24	0.30	0.17	0.03	0.01	0.00				1.17		
3.0–3.5				0.00	0.05	0.10	0.30	0.54	0.65	0.46	0.14	0.01	0.01	0.00				2.26		
2.5–3.0			0.00	0.02	0.06	0.27	0.69	1.21	1.13	0.56	0.09	0.02	0.00					4.04		
2.0–2.5			0.00	0.01	0.07	0.55	1.85	2.86	1.83	0.40	0.05	0.01						7.63		
1.5–2.0			0.00	0.01	0.09	1.00	4.13	5.85	1.77	0.20	0.02	0.01						13.08		
1.0–1.5				0.01	0.06	1.49	11.42	10.50	1.30	0.07	0.01	0.00						24.84		
0.5–1.0					0.03	1.19	22.15	10.41	0.29	0.01	0.00							34.08		
0.0–0.5						0.11	9.04	2.88	0.03									12.05		
						0.01	0.04	0.36	4.78	49.75	34.59	7.33	2.21	0.67	0.19	0.05	0.02	0.01	0.00	100.00
	All year																		Total	

Joint Occurrence table of wave height vs. residual water level (surge height)	
	Omnidirectional
Deltares	App. D.1.004

		surge height (m)																							
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00							
H _s (m)	>7.0																								
	6.5-7.0																								
	6.0-6.5																								
	5.5-6.0																								
	5.0-5.5												0.01	0.00							0.02				
	4.5-5.0										0.03	0.02									0.05				
	4.0-4.5									0.00	0.09	0.05	0.03	0.01							0.18				
	3.5-4.0									0.04	0.21	0.16	0.03								0.44				
	3.0-3.5							0.04	0.27	0.55	0.16	0.04									1.06				
	2.5-3.0						0.01	0.16	1.02	0.76	0.11	0.00									2.06				
	2.0-2.5						0.06	0.87	2.52	0.82	0.04										4.32				
	1.5-2.0						0.14	3.97	5.49	0.56	0.03										10.19				
	1.0-1.5						0.54	15.05	8.87	0.26	0.02										24.73				
	0.5-1.0						0.74	32.71	9.74	0.08	0.01										43.28				
0.0-0.5						0.03	10.85	2.79												13.67					
																1.52	63.66	30.74	3.36	0.59	0.12	0.01	100.00		
																						Total			

sector N: 345°N : 15°N

Joint Occurrence table of wave height vs. residual water level (surge height)
Nautical convention: coming from, clockwise from North

sector N: 345°N : 15°N

Deltares

App. D.1.005

		surge height (m)																				
		-2.00-1.75	-1.75-1.50	-1.50-1.25	-1.25-1.00	-1.00-0.75	-0.75-0.50	-0.50-0.25	-0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00				
H _s (m)	>7.0																					
	6.5-7.0																					
	6.0-6.5																					
	5.5-6.0																					
	5.0-5.5									0.01											0.01	
	4.5-5.0							0.01	0.04	0.06	0.01											0.11
	4.0-4.5								0.02	0.01	0.01											0.03
	3.5-4.0								0.05	0.14	0.02	0.01										0.21
	3.0-3.5							0.06	0.26	0.23	0.05											0.59
	2.5-3.0							0.10	0.68	0.46	0.05											1.29
	2.0-2.5							0.29	3.25	1.39	0.05											4.98
	1.5-2.0							0.61	6.64	2.17	0.10	0.01										9.53
	1.0-1.5							1.12	18.10	5.16	0.12											24.49
	0.5-1.0							1.32	33.55	7.22	0.04											42.13
0.0-0.5							0.01	14.10	2.50	0.01											16.62	
																	3.50	76.69	19.34	0.46	0.01	100.00
sector NNE: 15°N : 45°N																						Total

Joint Occurrence table of wave height vs. residual water level (surge height)
 Nautical convention: coming from, clockwise from North

sector NNE: 15°N : 45°N

Deltares

App. D.1.006

		surge height (m)																				
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00				
H_s (m)	>7.0																					
	6.5-7.0																					
	6.0-6.5																					
	5.5-6.0																					
	5.0-5.5																					
	4.5-5.0																					
	4.0-4.5																					
	3.5-4.0							0.05	0.05													0.10
	3.0-3.5					0.01	0.17	0.16														0.35
	2.5-3.0					0.03	0.77	1.05	0.05													1.89
	2.0-2.5					0.02	1.51	3.19	0.24													4.96
	1.5-2.0						1.96	6.49	0.94	0.01												9.40
	1.0-1.5						2.99	17.46	2.94	0.04												23.43
0.5-1.0						2.14	34.54	5.33	0.06												42.07	
0.0-0.5						0.33	15.08	2.41													17.81	
								0.06	9.91	78.02	11.91	0.11									100.00	

sector NEE: 45°N : 75°N

Total

Joint Occurrence table of wave height vs. residual water level (surge height) Nautical convention: coming from, clockwise from North		
	sector NEE: 45°N : 75°N	
Deltares		App. D.1.007

		surge height (m)																				
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00				
H _s (m)	>7.0																					
	6.5-7.0																					
	6.0-6.5																					
	5.5-6.0																					
	5.0-5.5																					
	4.5-5.0																					
	4.0-4.5																					
	3.5-4.0																					
	3.0-3.5					0.05	0.55															0.60
	2.5-3.0						0.40	0.79														1.19
2.0-2.5						0.51	3.29	0.66													4.47	
1.5-2.0						0.15	7.13	3.33	0.17												10.78	
1.0-1.5						0.17	9.42	9.07	1.13	0.02											19.80	
0.5-1.0							5.69	34.65	3.54	0.07											43.95	
0.0-0.5							0.35	16.57	2.30												19.22	
								0.05	1.77	26.68	64.28	7.13	0.08							100.00		
		sector E: 75°N : 105°N																		Total		

Joint Occurrence table of wave height vs. residual water level (surge height)
 Nautical convention: coming from, clockwise from North

sector E: 75°N : 105°N

Deltares

App. D.1.008

		surge height (m)																				
		-2.00-1.75	-1.75-1.50	-1.50-1.25	-1.25-1.00	-1.00-0.75	-0.75-0.50	-0.50-0.25	-0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00				
H _s (m)	>7.0																					
	6.5-7.0																					
	6.0-6.5																					
	5.5-6.0																					
	5.0-5.5																					
	4.5-5.0																					
	4.0-4.5																					
	3.5-4.0																					
	3.0-3.5						0.05															0.05
	2.5-3.0						0.05	0.05														0.10
2.0-2.5						0.29	0.50	0.16													0.94	
1.5-2.0						0.70	3.28	1.96	0.08												6.02	
1.0-1.5					0.16	0.78	8.16	7.98	1.67	0.10											18.85	
0.5-1.0						0.39	7.72	33.84	5.81	0.08											47.84	
0.0-0.5							0.73	21.45	3.99												26.17	
						0.16		2.27		20.44		65.38		11.55		0.18				99.97		
		sector SEE: 105°N : 135°N																		Total		

Joint Occurrence table of wave height vs. residual water level (surge height)
 Nautical convention: coming from, clockwise from North

sector SEE: 105°N : 135°N

Deltares

App. D.1.009

		surge height (m)																			
		-2.00-1.75	-1.75-1.50	-1.50-1.25	-1.25-1.00	-1.00-0.75	-0.75-0.50	-0.50-0.25	-0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00			
H _s (m)	>7.0																				
	6.5-7.0																				
	6.0-6.5																				
	5.5-6.0																				
	5.0-5.5																				
	4.5-5.0																				
	4.0-4.5																				
	3.5-4.0																				
	3.0-3.5																				
	2.5-3.0				0.08	0.13	0.13	0.23	0.23	0.03											0.82
	2.0-2.5					0.03	0.10	0.85	0.62	0.13	0.03										1.75
	1.5-2.0					0.05	0.82	3.71	1.49	0.75	0.18										7.00
	1.0-1.5						0.54	6.64	8.06	2.32	0.33	0.08									17.98
0.5-1.0						0.44	7.11	30.52	6.64	0.13										44.84	
0.0-0.5							0.85	19.86	6.90											27.61	
							0.08	0.21	2.03	19.39	60.78	16.77	0.67	0.08							100.00
		sector SEE: 135°N : 165°N																		Total	

Joint Occurrence table of wave height vs. residual water level (surge height)
Nautical convention: coming from, clockwise from North

sector SEE: 135°N : 165°N

Deltares

App. D.1.010

		surge height (m)																				
		-2.00-1.75	-1.75-1.50	-1.50-1.25	-1.25-1.00	-1.00-0.75	-0.75-0.50	-0.50-0.25	-0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00				
H _s (m)	>7.0																					
	6.5-7.0																					
	6.0-6.5																					
	5.5-6.0																					
	5.0-5.5																					
	4.5-5.0																					
	4.0-4.5																					
	3.5-4.0					0.03	0.11	0.14	0.04													0.32
	3.0-3.5					0.04	0.18	0.49	0.34	0.05												1.11
	2.5-3.0				0.01	0.25	0.56	0.95	1.18	0.41	0.01											3.37
	2.0-2.5				0.03	0.11	0.66	2.01	3.23	0.89	0.11											7.04
	1.5-2.0				0.05	0.14	0.68	3.44	6.42	2.41	0.36											13.51
	1.0-1.5				0.04	0.41	4.82	15.40	5.42	0.22												26.32
0.5-1.0					0.10	3.18	22.55	10.21	0.16	0.03	0.03										36.25	
0.0-0.5						0.34	7.64	4.11													12.10	
		0.10	0.60	2.70	15.37	56.81	23.51	0.86	0.03	0.03											100.00	
sector S: 165°N : 195°N																					Total	

Joint Occurrence table of wave height vs. residual water level (surge height)
 Nautical convention: coming from, clockwise from North

sector S: 165°N : 195°N

Deltares

App. D.1.011

		surge height (m)																				
		-2.00—-1.75	-1.75—-1.50	-1.50—-1.25	-1.25—-1.00	-1.00—-0.75	-0.75—-0.50	-0.50—-0.25	-0.25—0.00	0.00—0.25	0.25—0.50	0.50—0.75	0.75—1.00	1.00—1.25	1.25—1.50	1.50—1.75	1.75—2.00	>2.00				
H _s (m)	>7.0																					
	6.5—7.0																					
	6.0—6.5																					
	5.5—6.0																					
	5.0—5.5							0.01	0.02	0.01	0.01	0.01									0.05	
	4.5—5.0							0.03	0.04	0.07	0.01											0.16
	4.0—4.5					0.02	0.01	0.12	0.13	0.03	0.03	0.01										0.34
	3.5—4.0				0.03	0.08	0.32	0.43	0.36	0.10	0.03	0.01										1.35
	3.0—3.5				0.01	0.18	0.59	1.08	0.71	0.27	0.03		0.01									2.87
	2.5—3.0			0.03	0.04	0.19	1.36	2.72	1.97	0.49	0.05											6.85
	2.0—2.5				0.03	0.20	1.87	5.64	4.35	0.83	0.07	0.01										13.00
	1.5—2.0					0.17	2.15	8.79	6.87	0.99	0.11	0.01										19.10
	1.0—1.5					0.01	1.26	11.94	8.77	0.78	0.03											22.80
	0.5—1.0					0.05	1.01	15.73	8.68	0.52	0.04											26.02
0.0—0.5						0.17	4.67	2.50	0.12												7.46	
		0.03	0.10	0.89	8.79	51.19	34.42	4.16	0.39	0.03	0.01									100.00		

sector SSW: 195°N : 225°N

Total

Joint Occurrence table of wave height vs. residual water level (surge height) Nautical convention: coming from, clockwise from North		
	sector SSW: 195°N : 225°N	
Deltares		App. D.1.012

		surge height (m)																			
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00			
H _s (m)	>7.0																				
	6.5-7.0																				
	6.0-6.5									0.01											0.01
	5.5-6.0								0.00	0.01	0.00	0.00									0.02
	5.0-5.5						0.01	0.02	0.04	0.01	0.01	0.01									0.10
	4.5-5.0						0.02	0.04	0.16	0.11	0.05	0.03	0.01								0.41
	4.0-4.5						0.05	0.18	0.32	0.19	0.19	0.05									0.99
	3.5-4.0					0.01	0.11	0.45	0.97	0.76	0.35	0.12	0.01								2.77
	3.0-3.5					0.02	0.11	0.88	2.20	1.47	0.40	0.07	0.01								5.15
	2.5-3.0					0.00	0.09	1.38	3.45	1.96	0.53	0.08	0.00	0.01							7.50
	2.0-2.5						0.16	2.61	6.06	2.17	0.36	0.04	0.00								11.40
	1.5-2.0					0.01	0.32	4.67	9.73	2.11	0.26	0.02	0.02								17.14
	1.0-1.5					0.01	0.40	9.73	12.56	1.83	0.15	0.02	0.00								24.71
	0.5-1.0						0.19	12.47	10.58	0.39	0.01	0.01									23.66
0.0-0.5						0.04	3.77	2.32	0.01											6.13	
																				100.00	
		sector SWW: 225°N : 255°N																		Total	

Joint Occurrence table of wave height vs. residual water level (surge height) Nautical convention: coming from, clockwise from North		
	sector SWW: 225°N : 255°N	
Deltares		App. D.1.013

		surge height (m)																		
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00		
>7.0																				
6.5-7.0												0.02							0.02	
6.0-6.5													0.01	0.01					0.02	
5.5-6.0												0.01	0.04	0.02	0.01				0.07	
5.0-5.5												0.02		0.03					0.04	
4.5-5.0									0.01	0.08	0.12	0.09	0.08	0.01					0.38	
4.0-4.5									0.01	0.06	0.27	0.16	0.11	0.03					0.63	
3.5-4.0						0.01	0.02	0.10	0.34	0.68	0.29	0.10	0.04						1.58	
3.0-3.5							0.05	0.32	1.07	1.21	0.30	0.04	0.03	0.01					3.03	
2.5-3.0						0.04	0.17	0.92	2.31	1.50	0.28	0.09	0.01						5.31	
2.0-2.5						0.05	0.65	3.22	4.21	1.22	0.26	0.03							9.64	
1.5-2.0					0.02	0.11	1.45	7.45	4.19	0.82	0.09	0.03							14.16	
1.0-1.5					0.01	0.36	5.88	16.39	3.57	0.24	0.03	0.01							26.48	
0.5-1.0						0.15	13.06	15.34	0.64										29.18	
0.0-0.5						0.01	5.81	3.57	0.06										9.45	
						0.02	0.72	27.10	47.31	16.53	6.10	1.55	0.54	0.11	0.01				100.00	
		sector W: 255°N : 285°N																	Total	

Joint Occurrence table of wave height vs. residual water level (surge height)
 Nautical convention: coming from, clockwise from North

sector W: 255°N : 285°N

Deltares

App. D.1.014

		surge height (m)																										
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00										
H _s (m)	>7.0																											
	6.5-7.0																											
	6.0-6.5																											
	5.5-6.0													0.01	0.02	0.03	0.02				0.08							
	5.0-5.5											0.01	0.04	0.07	0.03	0.01					0.16							
	4.5-5.0											0.07	0.11	0.06	0.04	0.01					0.29							
	4.0-4.5								0.05	0.04	0.23	0.45	0.20	0.05	0.01						1.02							
	3.5-4.0								0.07	0.16	0.51	0.59	0.10	0.01	0.02						1.46							
	3.0-3.5								0.05	0.65	0.97	0.47	0.07	0.04	0.02						2.28							
	2.5-3.0							0.01	0.44	1.70	1.39	0.32	0.06	0.02							3.94							
	2.0-2.5						0.02	0.27	1.90	3.88	1.21	0.17	0.04								7.50							
	1.5-2.0						0.05	1.25	6.36	4.70	0.48	0.07	0.02								12.94							
	1.0-1.5						0.27	6.01	18.04	3.42	0.15	0.01									27.90							
	0.5-1.0						0.15	14.21	16.95	0.57											31.88							
0.0-0.5						0.02	7.44	3.05	0.04											10.55								
																	0.52	29.19	46.91	15.16	5.02	2.23	0.64	0.20	0.10	0.02	100.00	

sector NWW: 285°N : 315°N

Total

Joint Occurrence table of wave height vs. residual water level (surge height) Nautical convention: coming from, clockwise from North		
	sector NWW: 285°N : 315°N	
Deltares		App. D.1.015

		surge height (m)																									
		2.00-1.75	1.75-1.50	1.50-1.25	1.25-1.00	1.00-0.75	0.75-0.50	0.50-0.25	0.25-0.00	0.00-0.25	0.25-0.50	0.50-0.75	0.75-1.00	1.00-1.25	1.25-1.50	1.50-1.75	1.75-2.00	>2.00									
H _s (m)	>7.0																										
	6.5-7.0																										
	6.0-6.5												0.00	0.01	0.00	0.02	0.01				0.05						
	5.5-6.0												0.05	0.05	0.03	0.01	0.02	0.01			0.17						
	5.0-5.5											0.03	0.05	0.03	0.04	0.02					0.17						
	4.5-5.0									0.00	0.11	0.19	0.13	0.03							0.46						
	4.0-4.5									0.05	0.35	0.30	0.17								0.86						
	3.5-4.0								0.03	0.18	0.73	0.41	0.07	0.01							1.44						
	3.0-3.5								0.16	0.91	1.14	0.32	0.00								2.54						
	2.5-3.0							0.03	0.90	1.84	1.22	0.14	0.00								4.14						
	2.0-2.5							0.39	3.15	3.44	0.67	0.03									7.68						
	1.5-2.0						0.05	2.31	8.15	2.57	0.11										13.19						
	1.0-1.5						0.30	10.64	14.61	1.21	0.01										26.78						
	0.5-1.0						0.24	19.59	11.21	0.22											31.26						
0.0-0.5						0.04	8.59	2.62	0.02											11.27							
																0.62	41.55	40.83	10.46	4.37	1.49	0.46	0.12	0.05	0.03	0.01	100.00
																										Total	
																										sector NNW: 315°N : 345°N	

Joint Occurrence table of wave height vs. residual water level (surge height) Nautical convention: coming from, clockwise from North		
	sector NNW: 315°N : 345°N	
Deltares		App. D.1.016