

## Staatsolie Suriname MBES-SGE Seep Program - March

Latitude: 8.45 N Longitude: 53.44 W

### Weather Days

Wave Height > 6.0 ft Mean: 23.7 days Range: 21.1 - 26.3 days p50:27.5 days p75:24 days p90:23.5 days

Wave Height > 7.0 ft Mean: 16.9 days Range: 11.9 - 22.0 days p50:22 days p75:18 days p90:14 days

Wave Height > 8.0 ft Mean: 10.1 days Range: 5.0 - 15.1 days p50:14 days p75:10 days p90:7 days

Wind Speed > 10.0 knots Mean: 29.7 days Range: 29.2 - 30.0 days p50:30 days p75:30 days p90:29.5 days

Wind Speed > 15.0 knots Mean: 20.2 days Range: 15.8 - 24.5 days p50:21.5 days p75:17.5 days p90:14.5 days

Wind Speed > 20.0 knots Mean: 2.1 days Range: 0.2 - 3.9 days p50:1.5 days p75:1 days p90:0.5 days

### Working Window

Wave Height < 6.0 ft  
A 1 day or longer window will statistically occur 1.2 times per month  
A 2 day or longer window will statistically occur 0.5 times per month  
A 3 day or longer window will statistically occur 0.3 times per month

Wave Height < 7.0 ft  
A 1 day or longer window will statistically occur 2.3 times per month  
A 2 day or longer window will statistically occur 1.6 times per month  
A 3 day or longer window will statistically occur 1.2 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 3.2 times per month  
A 2 day or longer window will statistically occur 2.5 times per month  
A 3 day or longer window will statistically occur 1.9 times per month

### Waves

Mean Height: 6 - 8 ft

The wave heights will occasionally reach 12 - 14 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 14 - 16 sec, but rarely longer.

Principle Direction, from: ENE

WindSea/Swell: 14% / 86%

### Winds

Mean Speed: 15 - 20 kts

The winds will occasionally reach 20 - 25 kts, but rarely greater.

Principle Direction, from: ENE

### Currents

Mean Speed: 0.75-1.00 kts

The currents will occasionally reach 2.25-2.50 kts, but rarely greater.

Principle Direction, to: NNW

Weather Days

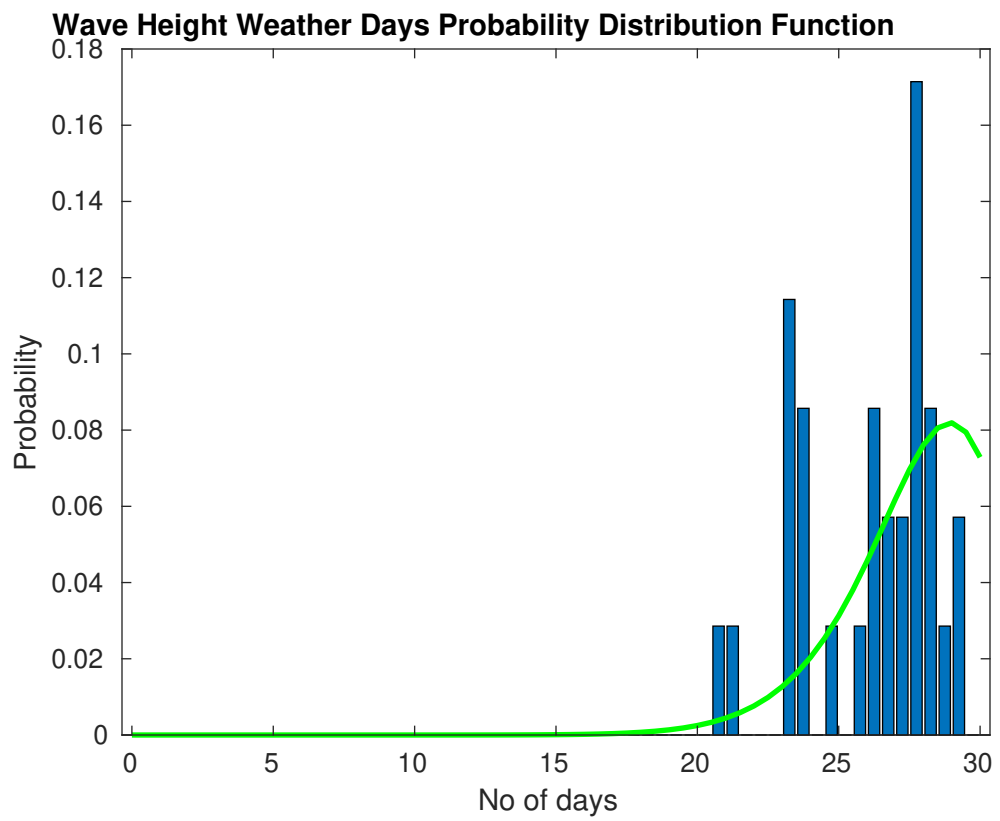
Current Speed > 1.0 knots Mean: 13.0 days Range: 5.8 - 20.2 days p50:14 days p75:10 days p90:4 days

Current Speed > 1.5 knots Mean: 5.2 days Range: 1.1 - 9.4 days p50:5 days p75:3 days p90:2 days

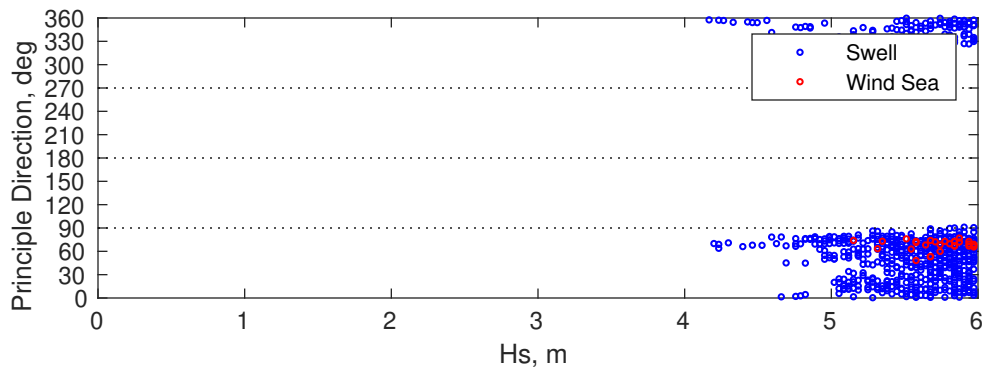
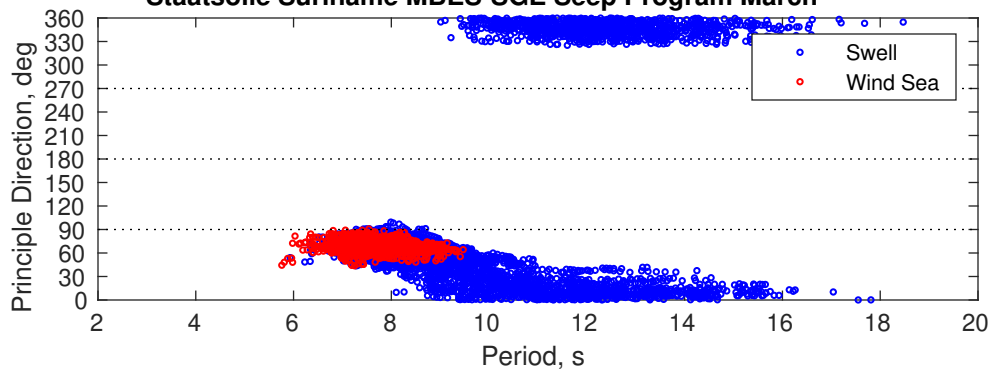
Current Speed > 2.0 knots Mean: 2.2 days Range: 0.0 - 4.9 days p50:3 days p75:1 days p90:1 days

### Severe Storms

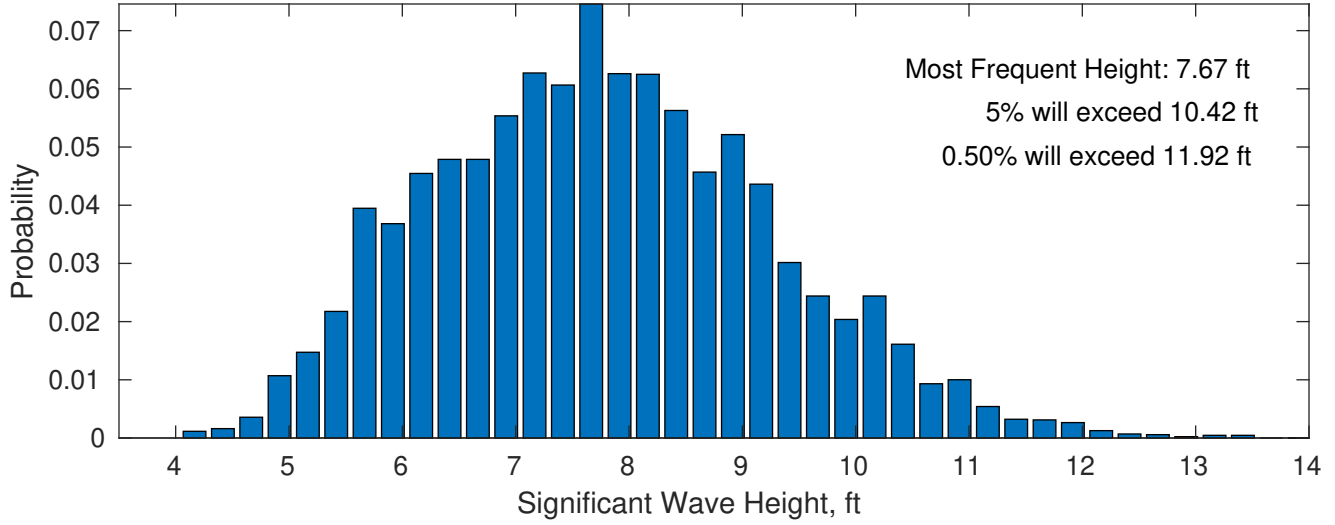
Severe storms with gale force winds and extreme waves are not expected during this month.



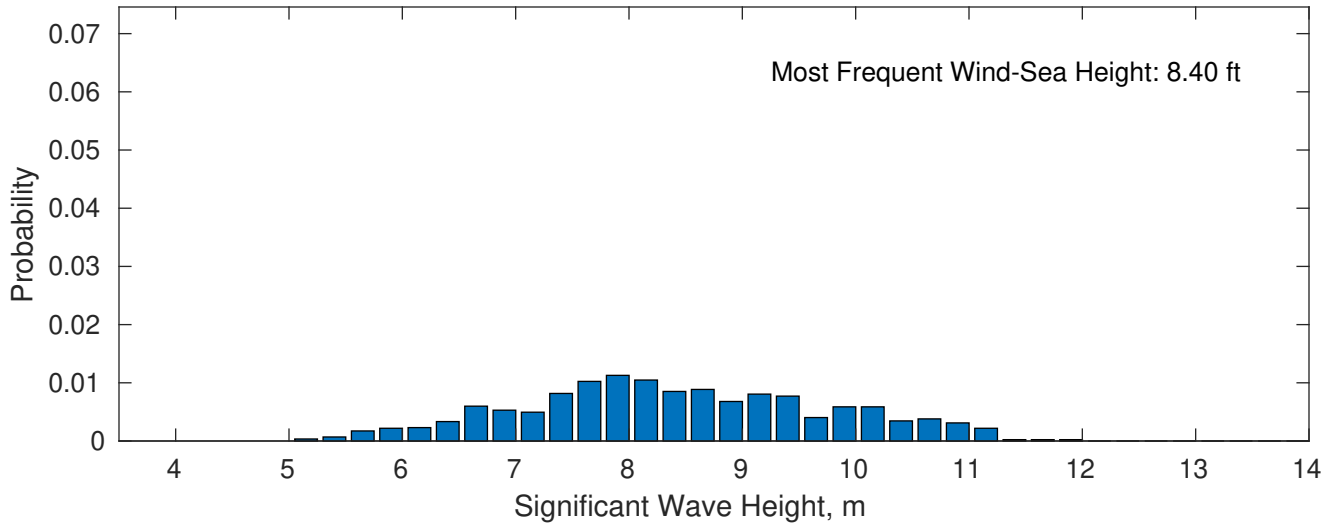
### Staatsolie Suriname MBES-SGE Seep Program March



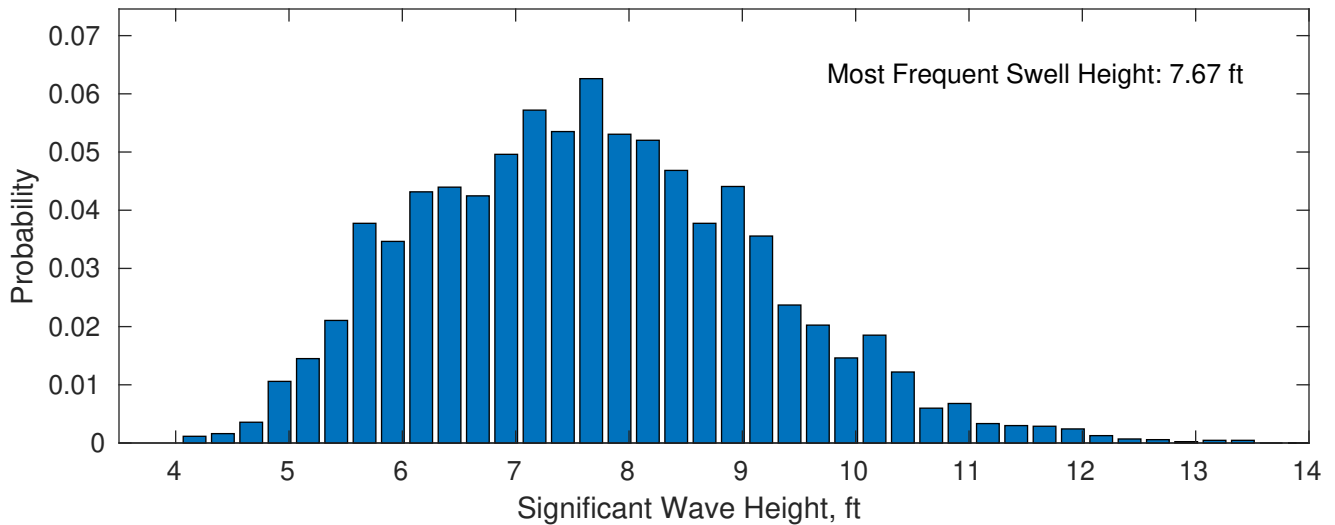
**March Wave Height PDF: 1979 - 2015**



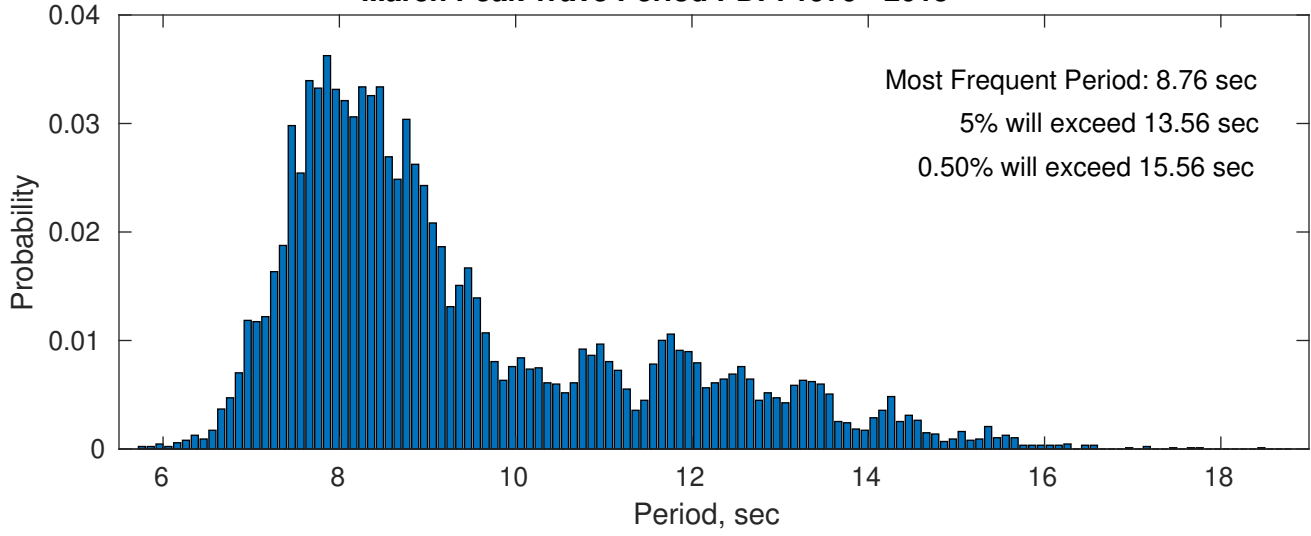
**Wind-Sea: 13.59%**



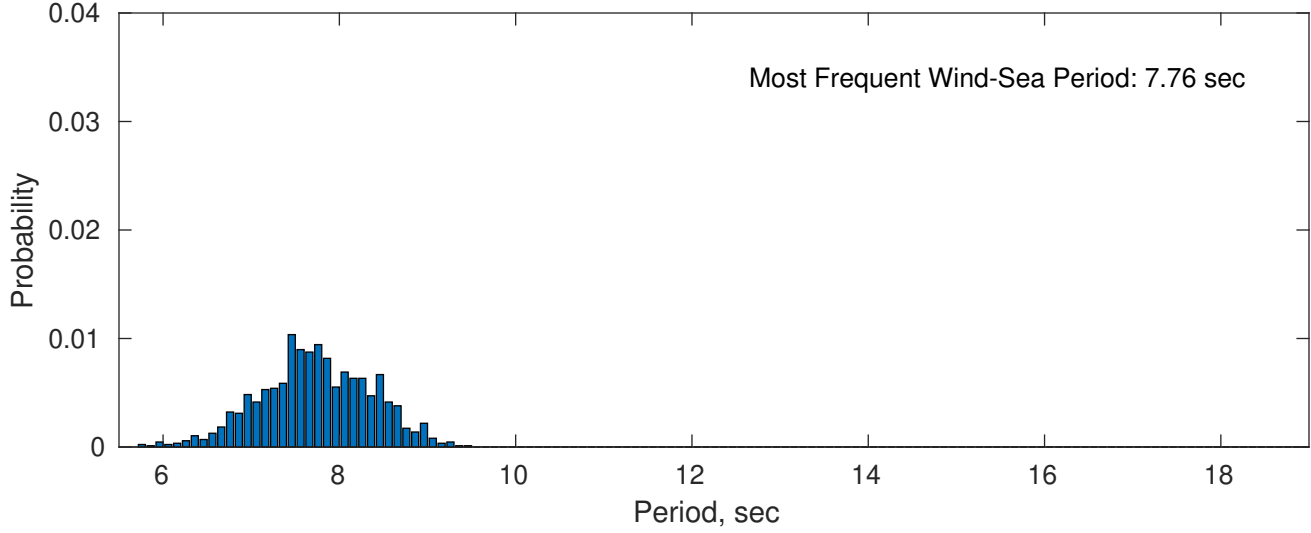
**Swell: 86.41%**



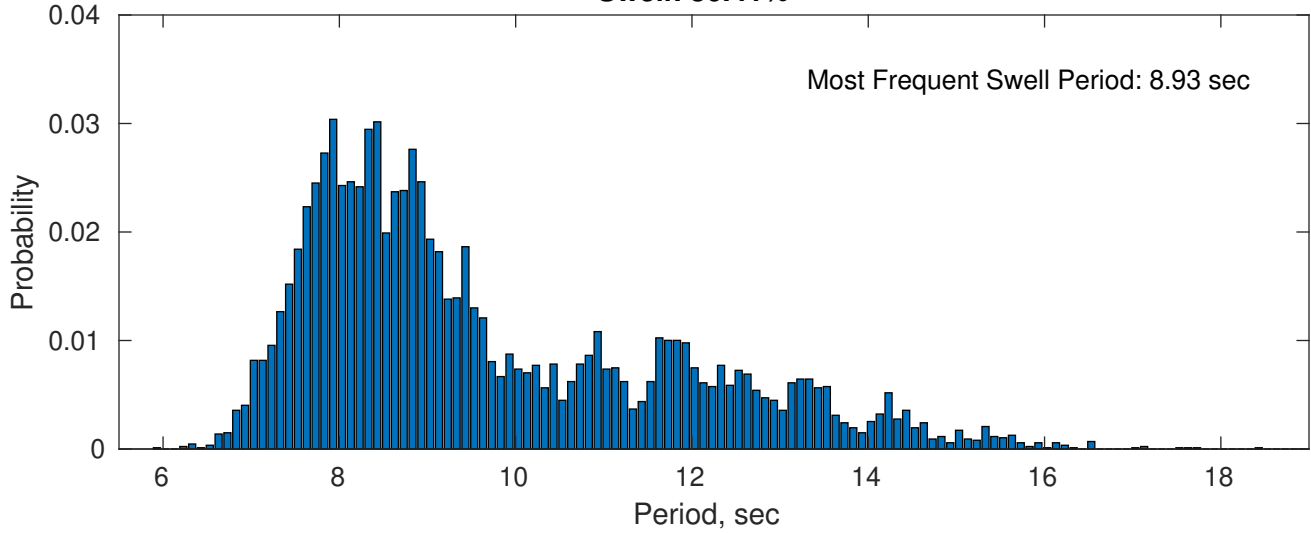
**March Peak Wave Period PDF: 1979 - 2015**



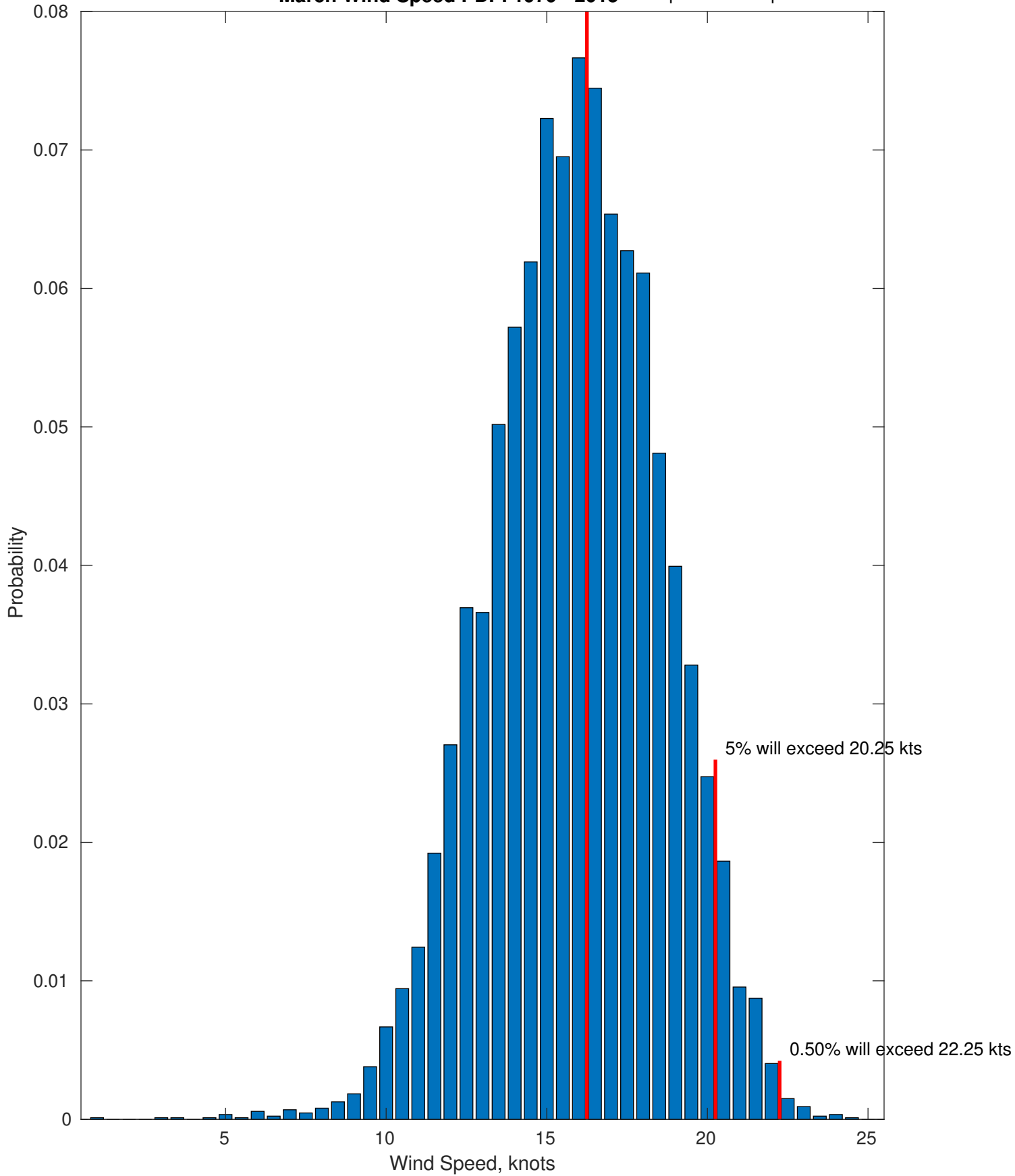
**Wind-Sea: 13.59%**



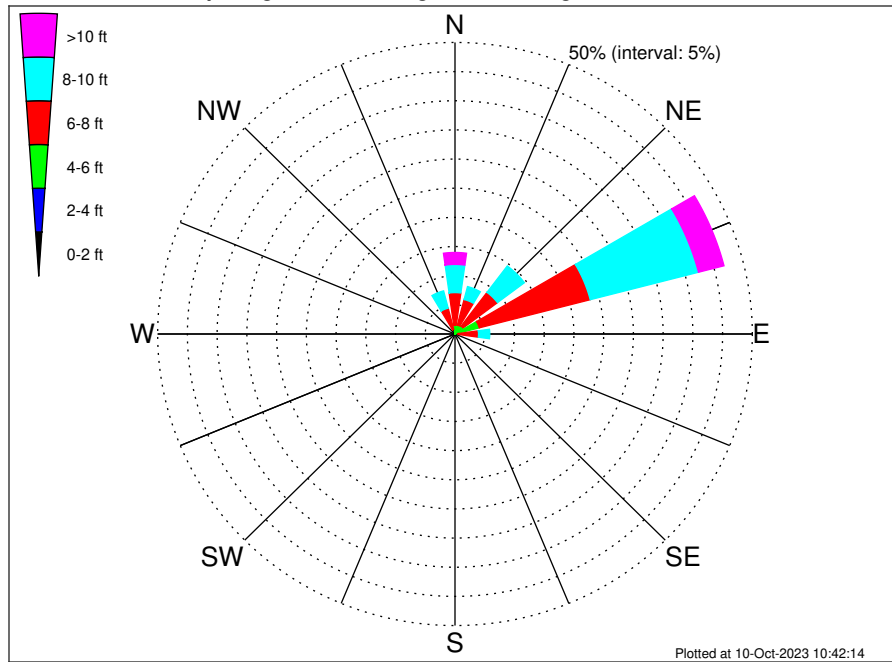
**Swell: 86.41%**



March Wind Speed PDF: 1979 - 2016 Most Frequent Wind Speed: 16.25 kts



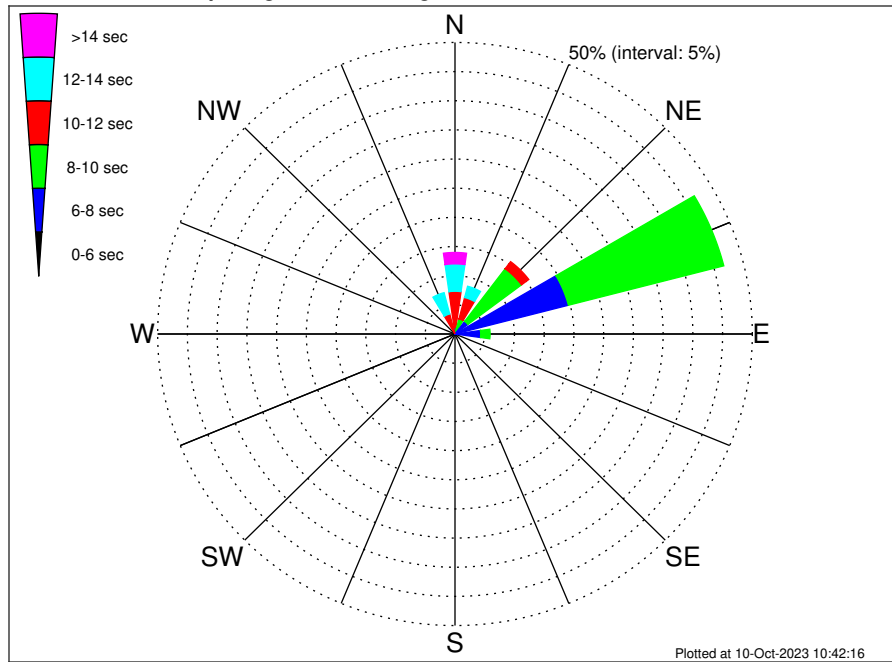
Staatsolie Suriname MBES-SGE Seep Program Climatological WaveHeight Rose for March: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 - 2 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 - 4 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 - 6 ft	1.48	1.58	1.70	4.21	0.54	.	.	.	.	.	.	.	.	.	0.01	0.82	10.35
6 - 8 ft	5.62	4.53	7.24	19.28	3.42	.	.	.	.	.	.	.	.	.	0.02	3.76	43.87
8 - 10 ft	4.83	2.29	5.67	18.81	1.89	.	.	.	.	.	.	.	.	.	.	3.06	36.55
10 - 12 ft	1.71	0.70	1.08	4.38	0.06	.	.	.	.	.	.	.	.	.	.	0.77	8.71
12 - 14 ft	0.33	0.06	0.08	0.05	.	.	.	.	.	.	.	.	.	.	.	.	0.52
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	13.98	9.16	15.78	46.73	5.90	.	.	.	.	.	.	.	.	.	0.03	8.41	100.00

Staatsolie Suriname MBES-SGE Seep Program Climatological WavePeriod Rose for March: 1979 - 2015

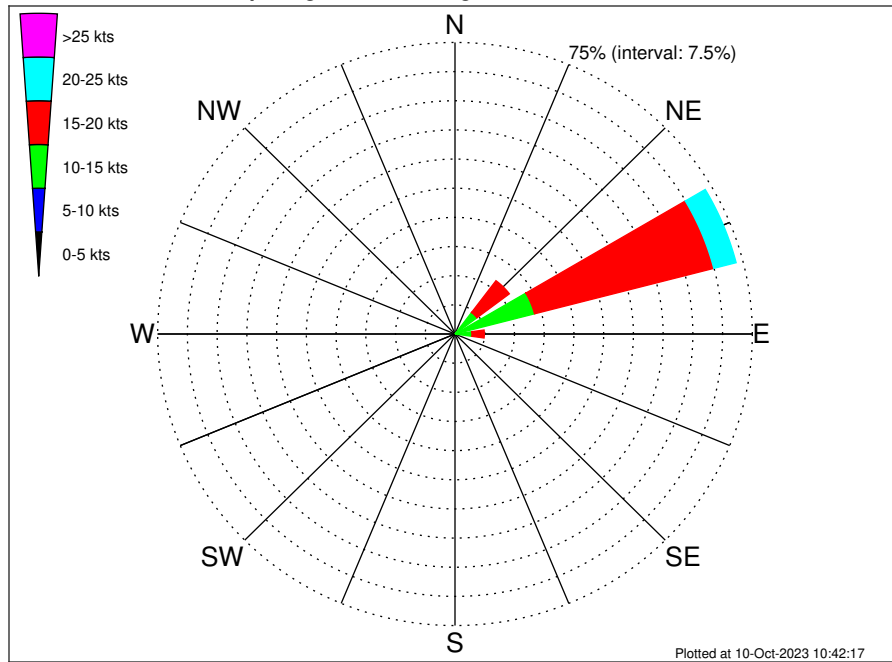


Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1 - 2 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4 - 6 sec	•	•	0.07	0.01	•	•	•	•	•	•	•	•	•	•	•	•	0.08
6 - 8 sec	•	•	2.65	19.69	4.33	•	•	•	•	•	•	•	•	•	•	•	26.67
8 - 10 sec	1.21	2.68	11.30	26.99	1.58	•	•	•	•	•	•	•	•	•	•	0.15	43.91
10 - 12 sec	6.12	3.79	1.52	0.03	•	•	•	•	•	•	•	•	•	•	0.02	3.40	14.88
12 - 14 sec	4.70	1.99	0.23	•	•	•	•	•	•	•	•	•	•	•	0.01	3.77	10.70
14 - 16 sec	1.83	0.68	0.01	•	•	•	•	•	•	•	•	•	•	•	•	0.97	3.49
18 - 20 sec	0.12	0.02	•	•	•	•	•	•	•	•	•	•	•	•	•	0.13	0.26
22 - 24 sec	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.01
Total	13.98	9.16	15.78	46.73	5.90	•	•	•	•	•	•	•	•	•	0.03	8.41	100.00



Staatsolie Suriname MBES-SGE Seep Program Climatological Wind Rose for March: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0 - 5 kts	0.01	0.02	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	0.05
5 - 10 kts	0.06	0.12	0.15	0.44	0.21	0.03	•	•	•	•	•	•	•	•	•	•	1.01
10 - 15 kts	0.01	0.47	6.77	20.29	4.07	0.12	0.01	0.02	•	•	•	•	•	•	•	•	31.76
15 - 20 kts	•	0.08	10.24	46.70	3.12	0.12	0.03	•	•	•	•	•	•	•	•	•	60.29
20 - 25 kts	•	•	0.86	5.82	0.20	•	•	•	•	•	•	•	•	•	•	•	6.88
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.08	0.69	18.03	73.25	7.60	0.26	0.05	0.02	•	•	•	•	•	•	•	0.01	100.00