

## Klamath Slide - June

Latitude: 41.53 N Longitude: 124.25 W

### Weather Days

Wave Height > 6.0 ft Mean: 4.9 days Range: 1.8 - 8.0 days p50:7.5 days p75:4.5 days p90:3.5 days

Wave Height > 7.0 ft Mean: 1.5 days Range: 0.0 - 3.6 days p50:3 days p75:1.5 days p90:0.5 days

Wave Height > 8.0 ft Mean: 0.4 days Range: 0.0 - 1.8 days p50:3 days p75:1 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 3.5 days Range: 2.0 - 4.9 days p50:3.5 days p75:2.5 days p90:2 days

Wind Speed > 20.0 knots Mean: 0.3 days Range: 0.0 - 0.6 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:0.5 days p75:0.5 days p90:0.5 days

### Working Window

Wave Height < 6.0 ft  
A 1 day or longer window will statistically occur 3.5 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 1.7 times per month

Wave Height < 7.0 ft  
A 1 day or longer window will statistically occur 2.7 times per month  
A 2 day or longer window will statistically occur 2.3 times per month  
A 3 day or longer window will statistically occur 2.0 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 1.7 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 1.4 times per month

### Waves

Mean Height: 4 - 6 ft

The wave heights will occasionally reach 10 - 12 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 22 - 24 sec, but rarely longer.

Principle Direction, from: WNW

WindSea/Swell: 1% / 99%

### Winds

Mean Speed: 5 - 10 kts

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

Principle Direction, from: NNW

### Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 0.75-1.00 kts, but rarely greater.

Principle Direction, to: S

Weather Days

Current Speed > 1.0 knots Mean: 7.5 days Range: 1.8 - 13.2 days p50:10 days p75:3 days p90:1 days

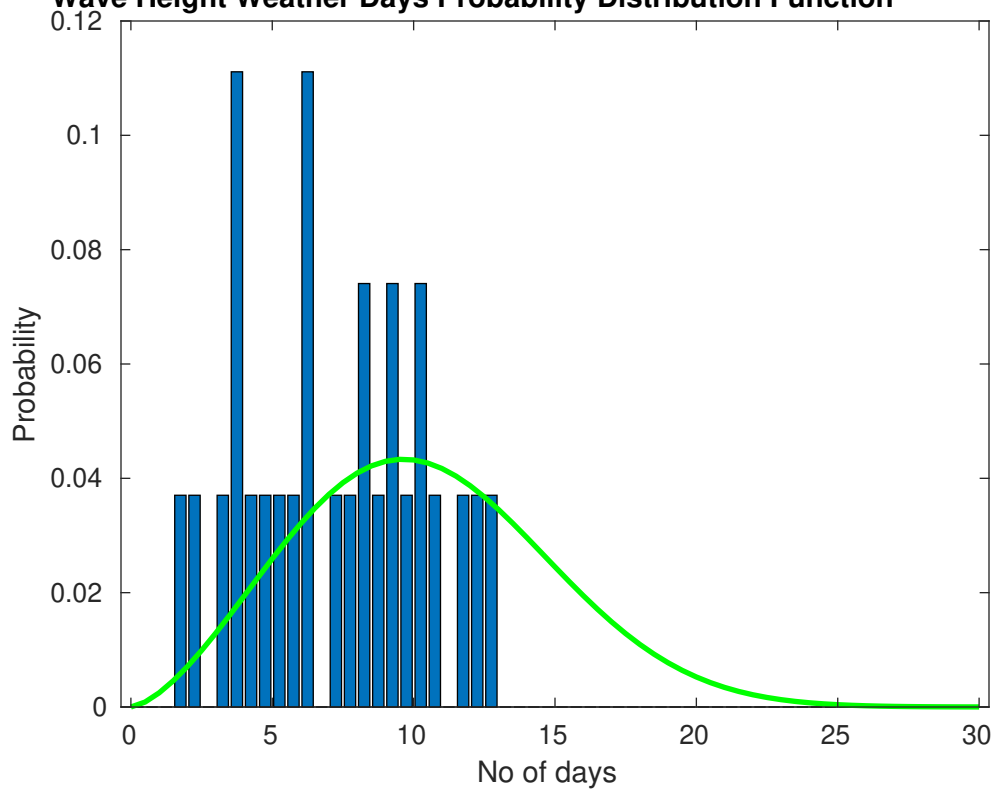
Current Speed > 1.5 knots Mean: 1.2 days Range: 0.0 - 3.7 days p50:1 days p75:1 days p90:1 days

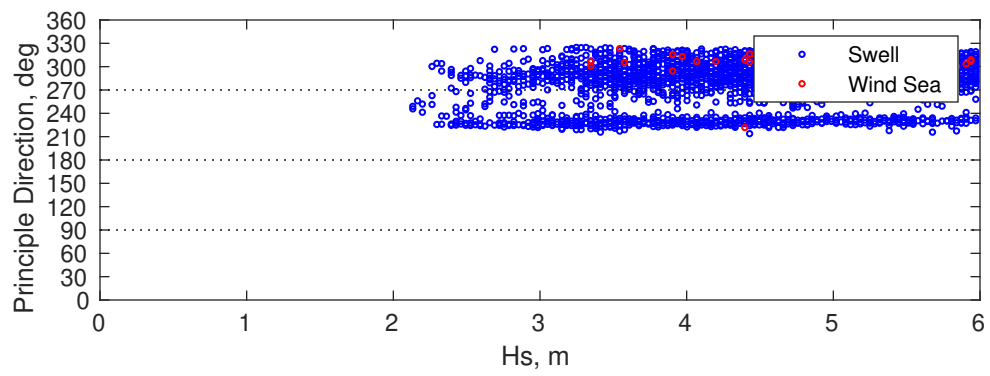
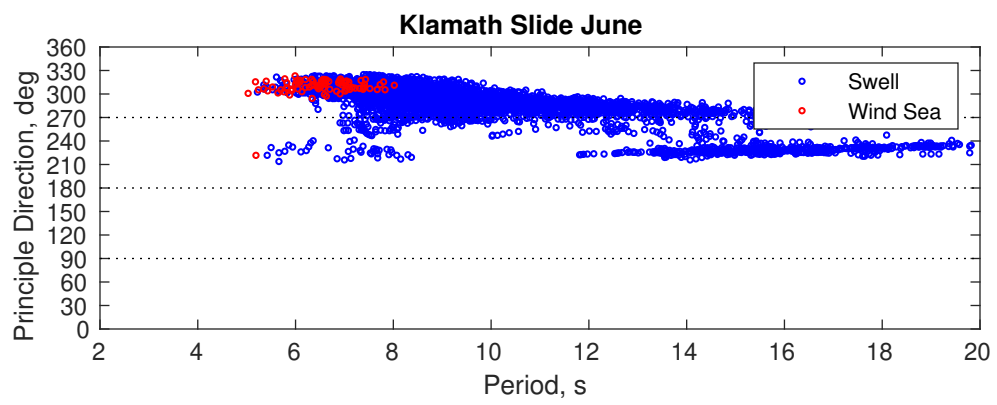
Current Speed > 2.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

### Severe Storms

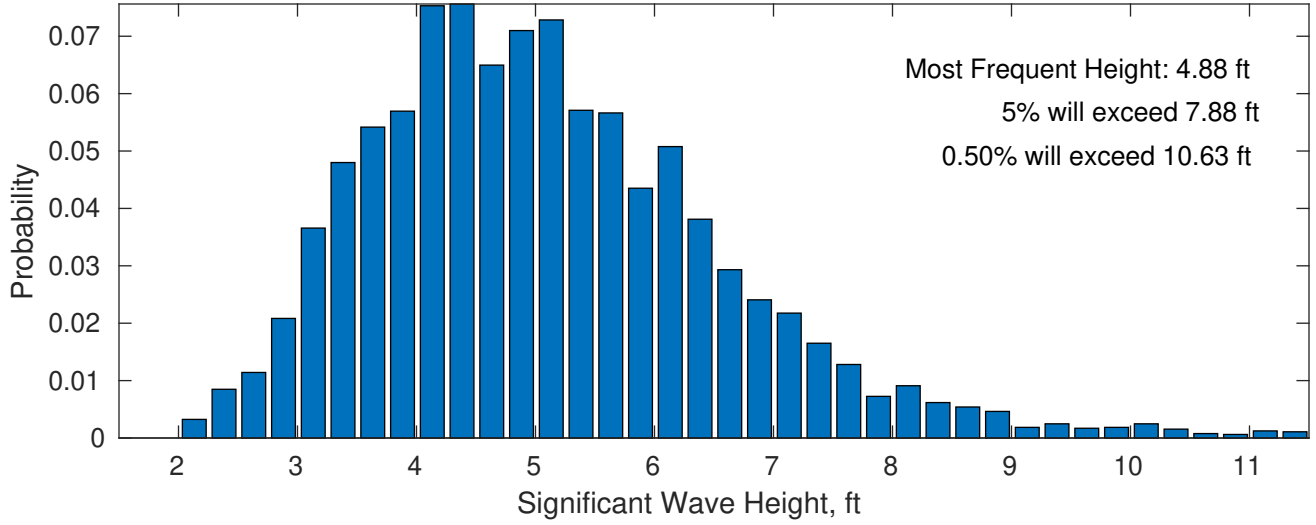
Severe storms with gale force winds and extreme waves are not expected during this month.

**Wave Height Weather Days Probability Distribution Function**

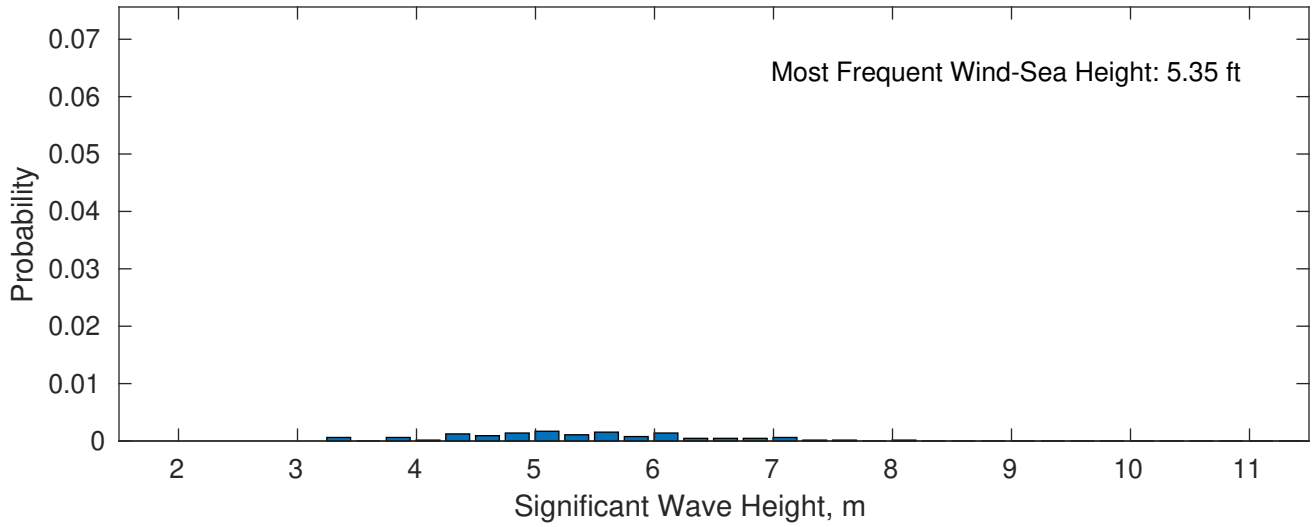




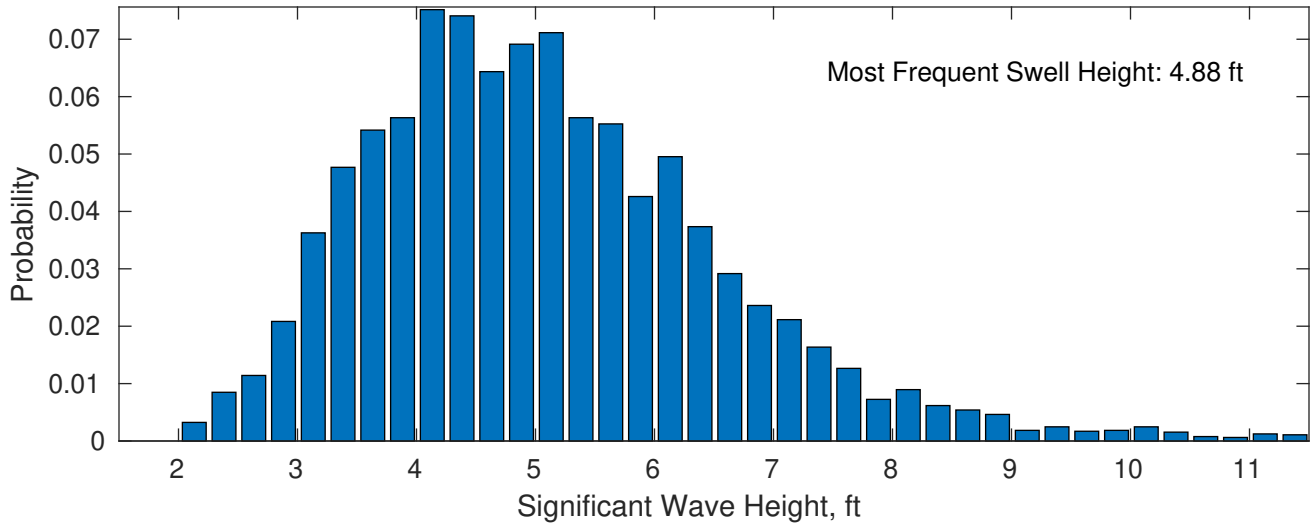
**June Wave Height PDF: 1979 - 2015**



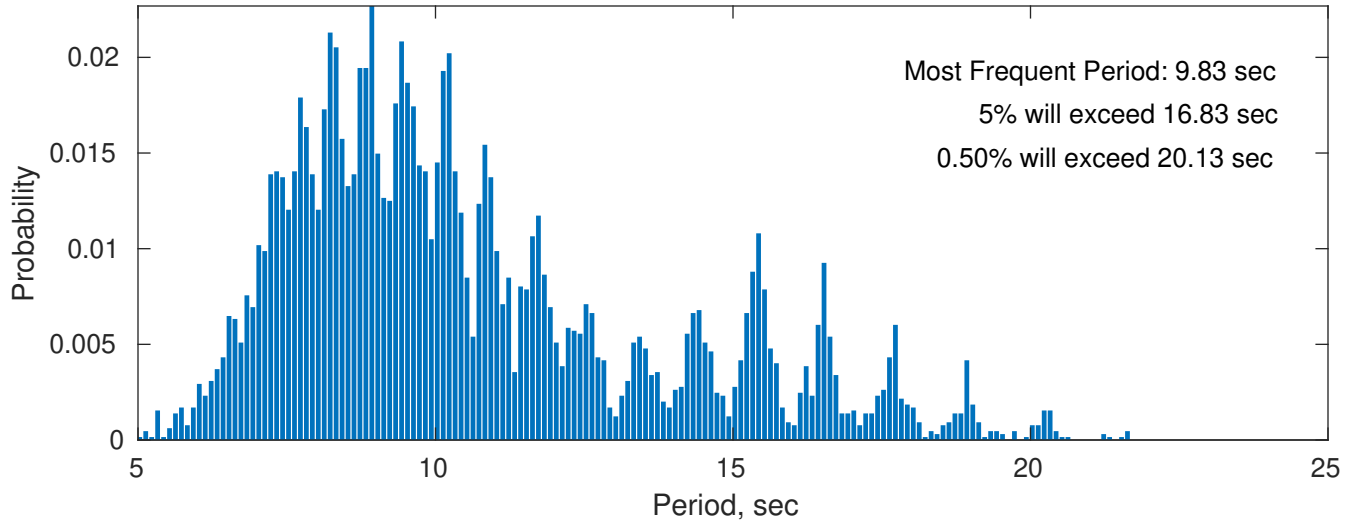
**Wind-Sea: 1.39%**



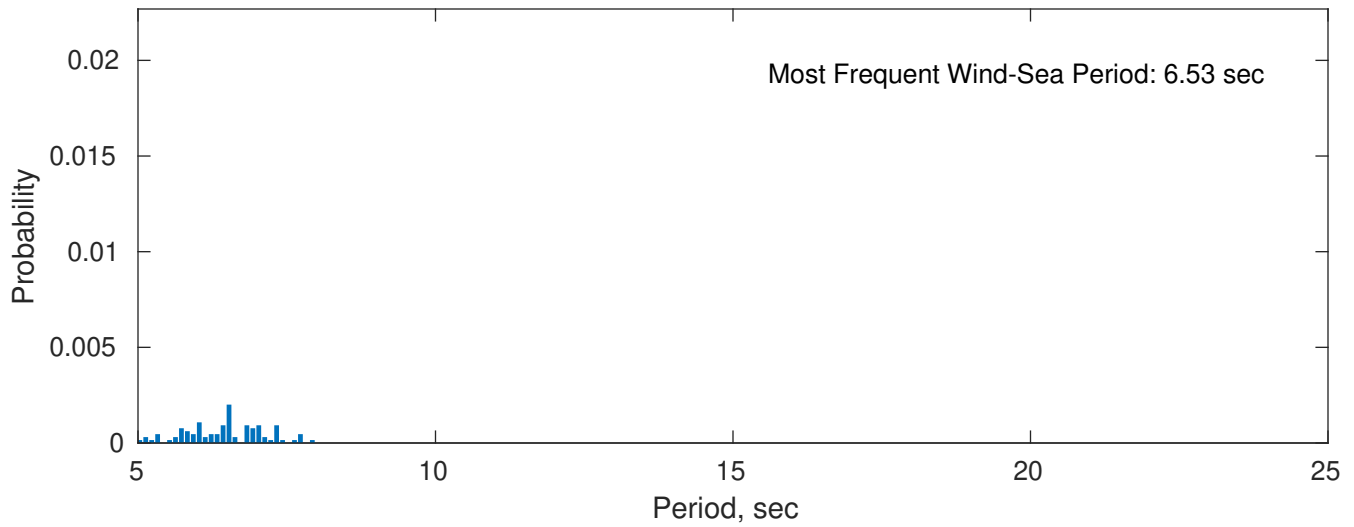
**Swell: 98.61%**



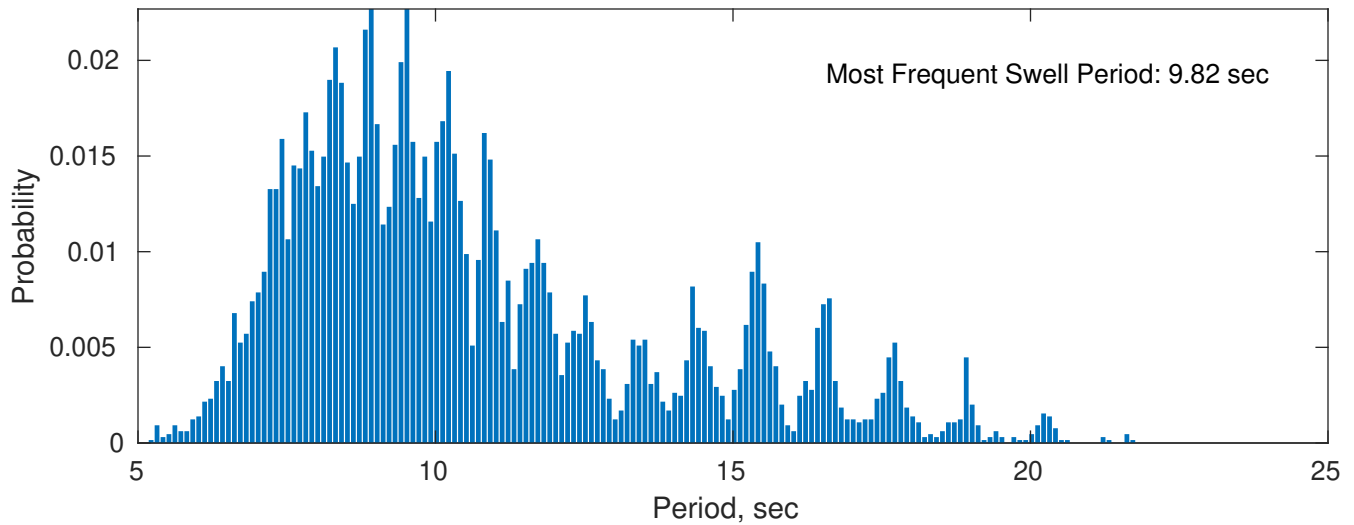
**June Peak Wave Period PDF: 1979 - 2015**



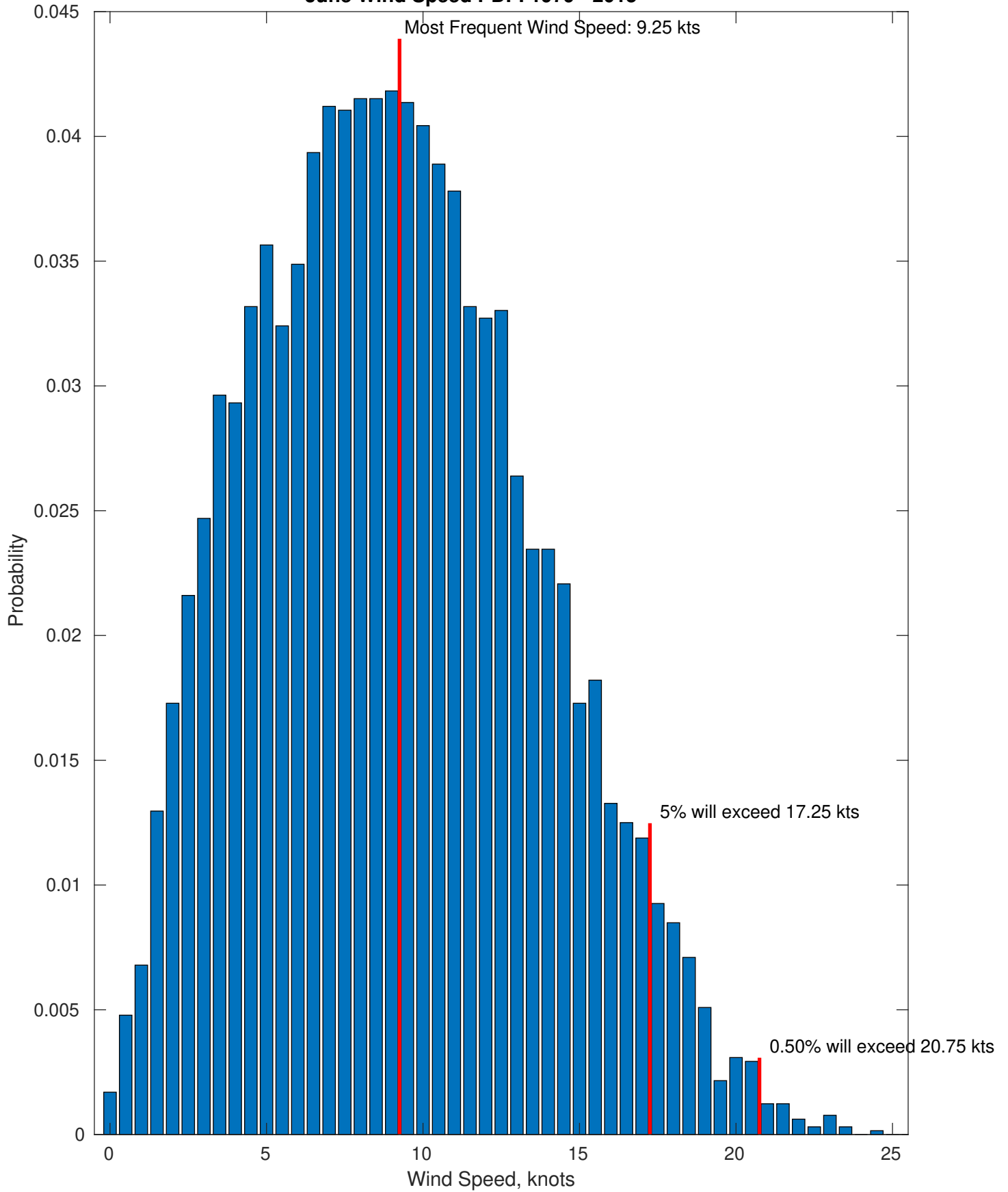
**Wind-Sea: 1.39%**



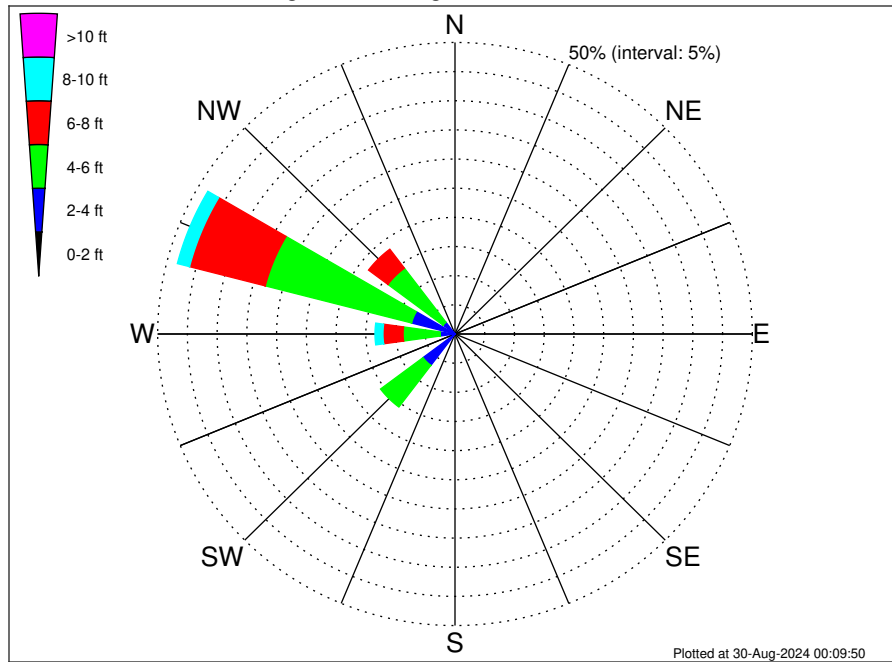
**Swell: 98.61%**



### June Wind Speed PDF: 1979 - 2015



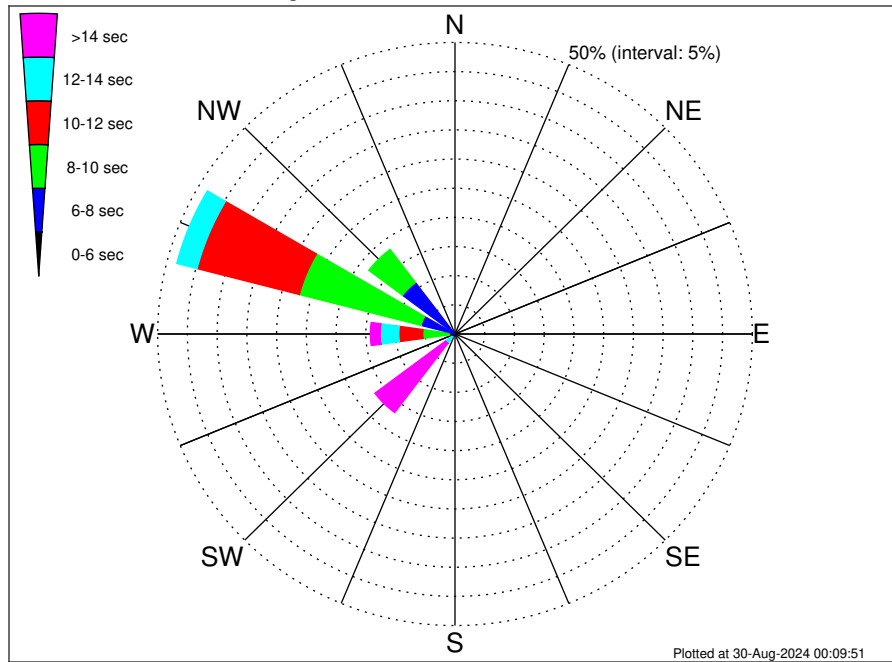
Klamath Slide Climatological WaveHeight Rose for June: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	•	6.74	1.11	2.48	7.55	2.50	•	20.39
4 - 6 ft	•	•	•	•	•	•	•	•	•	•	8.94	0.82	6.25	25.42	11.64	•	53.06
6 - 8 ft	•	•	•	•	•	•	•	•	•	•	1.14	0.17	3.38	13.15	4.07	•	21.91
8 - 10 ft	•	•	•	•	•	•	•	•	•	•	0.05	•	1.34	2.11	0.09	•	3.60
10 - 12 ft	•	•	•	•	•	•	•	•	•	•	•	•	0.66	0.23	•	•	0.90
12 - 14 ft	•	•	•	•	•	•	•	•	•	•	•	•	0.08	0.05	•	•	0.12
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	0.03	•	•	•	0.03
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	•	•	•	16.87	2.10	14.23	48.50	18.30	•	100.00

Klamath Slide Climatological WavePeriod Rose for June: 1979 - 2015

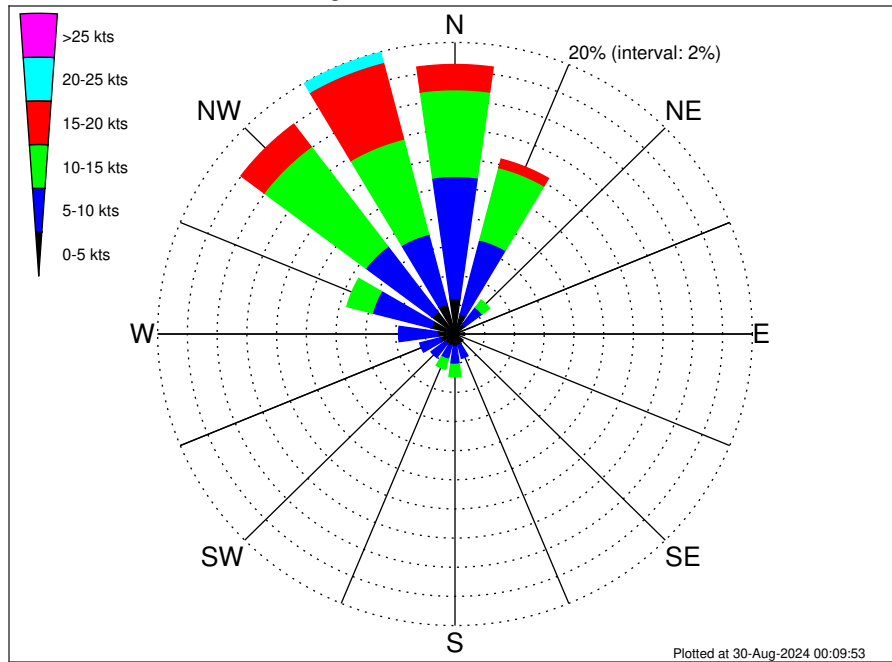


Joint Frequency Distribution Table

	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	•	•	•	•	•	•	•	•	•	•	0.12	•	•	0.15	0.52	•	0.80
6 - 8 sec	•	•	•	•	•	•	•	•	•	•	0.39	0.48	0.94	5.76	10.52	•	18.09
8 - 10 sec	•	•	•	•	•	•	•	•	•	•	0.08	0.08	4.49	21.13	7.10	•	32.87
10 - 12 sec	•	•	•	•	•	•	•	•	•	•	0.06	0.14	4.01	17.76	0.15	•	22.13
12 - 14 sec	•	•	•	•	•	•	•	•	•	•	1.34	0.40	3.13	3.53	•	•	8.41
14 - 16 sec	•	•	•	•	•	•	•	•	•	•	7.08	0.60	1.44	0.15	•	•	9.27
18 - 20 sec	•	•	•	•	•	•	•	•	•	•	5.69	0.14	0.22	0.02	•	•	6.06
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	2.10	0.26	•	•	•	•	2.36
Total	•	•	•	•	•	•	•	•	•	•	16.87	2.10	14.23	48.50	18.30	•	100.00



Klamath Slide Climatological Wind Rose for June: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.05	0.03	0.02	•	0.05	0.02	0.09	•	0.05	0.03	0.08	0.02	0.05	0.03	0.09	0.06	0.65
0 - 5 kts	2.41	1.37	0.85	0.48	0.60	0.42	0.59	0.79	0.82	0.82	0.76	1.02	1.13	1.62	1.82	2.07	17.55
5 - 10 kts	8.36	5.26	1.42	0.34	0.28	0.12	0.32	0.94	1.22	0.94	1.19	1.42	2.62	4.09	5.60	4.94	39.07
10 - 15 kts	5.94	5.12	0.63	•	•	•	0.03	0.43	0.85	0.71	0.19	0.08	0.08	1.77	8.56	6.74	31.14
15 - 20 kts	1.73	0.60	•	•	•	•	•	0.23	0.42	0.15	0.02	•	•	•	1.94	5.43	10.52
20 - 25 kts	0.25	•	•	•	•	•	•	0.05	0.06	•	•	•	•	•	•	0.71	1.06
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	18.73	12.39	2.92	0.82	0.93	0.56	1.03	2.44	3.41	2.65	2.22	2.53	3.87	7.52	18.02	19.95	100.00