

CONFIDENTIAL

**From:** Graceanna Werner  
**Sent:** Tuesday, October 13, 2020 8:30 AM  
**Subject:** Daily Gulf Weather Forecast 13th October  
**Attachments:** Corpus\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201013T0600.pdf; Galveston\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201013T0600.pdf; Gulf\_of\_Mexico\_Planner\_10132020\_0600.pdf; Pascagoula\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201013T0600.pdf; Sabine\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201013T0600.pdf; SW\_Pass\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201013T0600.pdf

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Good day all,

Corpus LZ: Forecast shows intermittent forecast highs on the 16<sup>th</sup> PM until the forecast end on the 19<sup>th</sup> PM.

GOLA LZ/ Sabine LZ / SWPass LZ: Forecast shows intermittent forecast highs on the 16<sup>th</sup> PM until the 17<sup>th</sup> AM.

Pasc LZ: Forecast shows intermittent forecast highs on the 16<sup>th</sup> PM through the 17<sup>th</sup> AM and again on the 19<sup>th</sup> AM through forecast end.

The weather forecast ends Monday, October 19<sup>th</sup>.

We will continue to monitor accordingly.

Best regards,



**Graceanna Werner**  
Commercial Operations Coordinator  
Teekay Shipping (USA), Inc.  
mobile [REDACTED]  
email [REDACTED]

BRINGING ENERGY TO THE WORLD

ATINA 000660

Daily Planner

Issued: Tuesday, October 13, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Tuesday, October 13, 2020										Temperature (F): 81 / 76				
0600	NE	4	6	4	6	0	SE	2	4	2	3	10.5		5% 0%	
1200	NE	8	11	8	12	1	SE	1	4	2	3	10.5		0% 0%	
1800	E	8	11	9	12	1	SE	1	4	1	3	10.5		0% 0%	
Valid	Wednesday, October 14, 2020										Temperature (F): 80 / 76				
0000	SE	10	14	11	15	1	ESE	1	4	2	3	10.5		0% 0%	
0600	SE	5	8	6	8	0	SE	1	4	2	3	10.5		10% 0%	
1200	SE	5	8	6	9	0	SE	1	4	1	2	10.5		5% 0%	
1800	SSE	10	14	11	15	1	SE	1	4	2	3	10.5		0% 0%	
Valid	Thursday, October 15, 2020										Temperature (F): 82 / 78				
0000	SSE	15	21	16	23	2	ESE	1	4	2	4	10.5		0% 0%	
0600	S	15	21	16	23	3	SE	2	4	3	6	10.5		0% 0%	
1200	SSE	14	20	16	21	3	SE	2	4	3	6	10.5		0% 0%	
1800	SSE	14	19	15	21	3	S	2	4	3	6	10.5		0% 0%	
Valid	Friday, October 16, 2020										Temperature (F): 81 / 71				
0000	SE	14	19	15	21	3	S	1	4	3	6	10.5		40% 15%	
0600	SE	6	8	6	9	1	SSE	2	4	3	5	5.25		70% 25%	
1200	NNE	19	25	21	27	3	SE	2	4	4	6	2.0		40% 5%	
1800	NE	24	31	26	34	6	S	1	5	6	12	8.25		10% 0%	
Valid	Saturday, October 17, 2020										Temperature (F): 79 / 74				
0000	ENE	20	27	22	29	6	NE	1	5	7	12	10.5		5% 0%	
0600	E	11	16	12	17	2	ENE	4	6	5	9	10.5		0% 0%	
1200	SE	9	12	9	13	1	ENE	4	6	4	7	8.5		0% 0%	
1800	SE	12	17	13	18	2	ENE	3	6	4	7	10.0		0% 0%	
Valid	Sunday, October 18, 2020										Temperature (F): 81 / 77				
0000	SSE	18	26	20	28	4	E	3	6	5	9	10.5		5% 0%	
0600	S	16	22	18	24	4	E	4	6	5	9	9.25		5% 0%	
1200	SSE	16	22	17	24	3	E	3	6	5	8	8.5		5% 0%	
1800	SE	16	23	18	25	4	E	3	6	5	8	9.5		0% 0%	
Valid	Monday, October 19, 2020										Temperature (F): 81 / 77				
0000	SSE	18	25	20	27	4	E	3	6	5	9	9.0		5% 5%	
0600	SSE	17	24	19	26	4	E	3	6	5	9	8.5		10% 5%	
1200	SSE	16	22	17	24	4	ESE	3	6	5	9	10.25		10% 5%	
1800	SSE	18	25	20	27	4	E	3	6	5	9	10.5		15% 5%	

Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

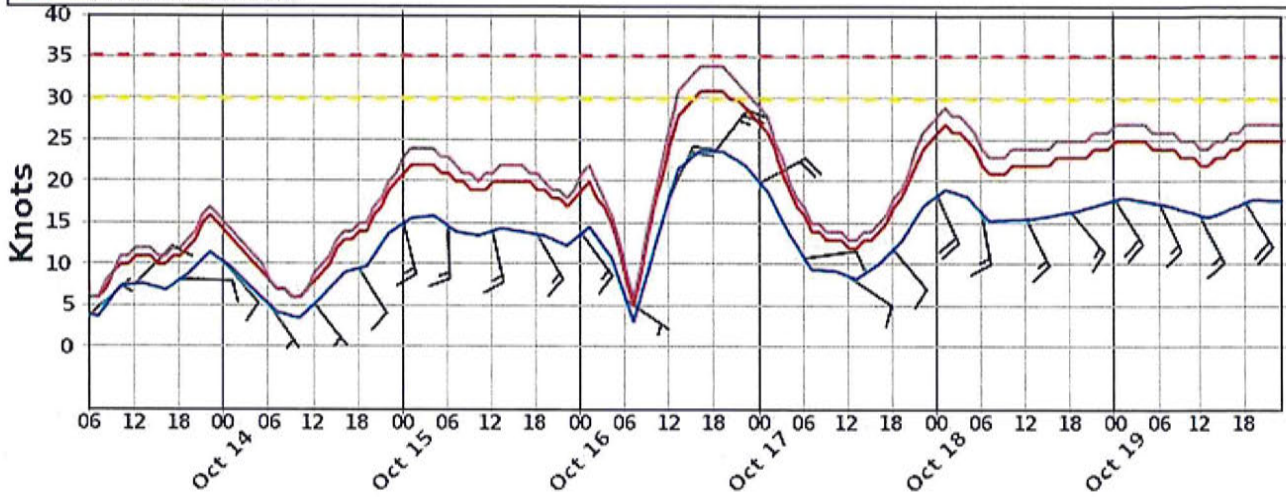
**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



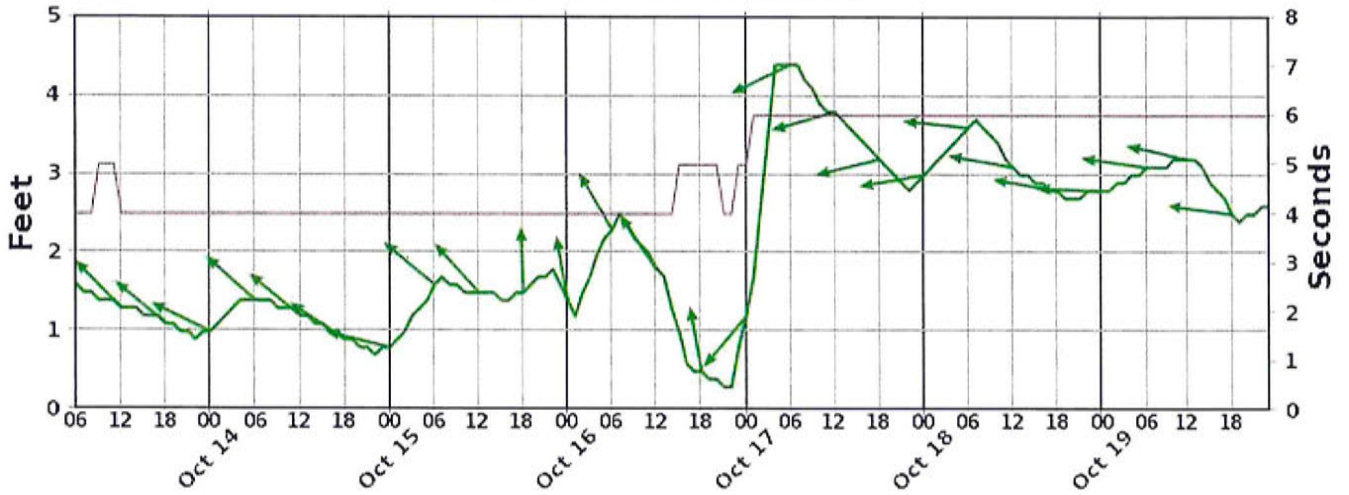
# CONFIDENTIAL WINDS

10-Meter Wind Gusts    10-Meter Sustained Winds    10-Meter Winds Caution    10-Meter Winds Alert  
50-Meter Wind Gusts



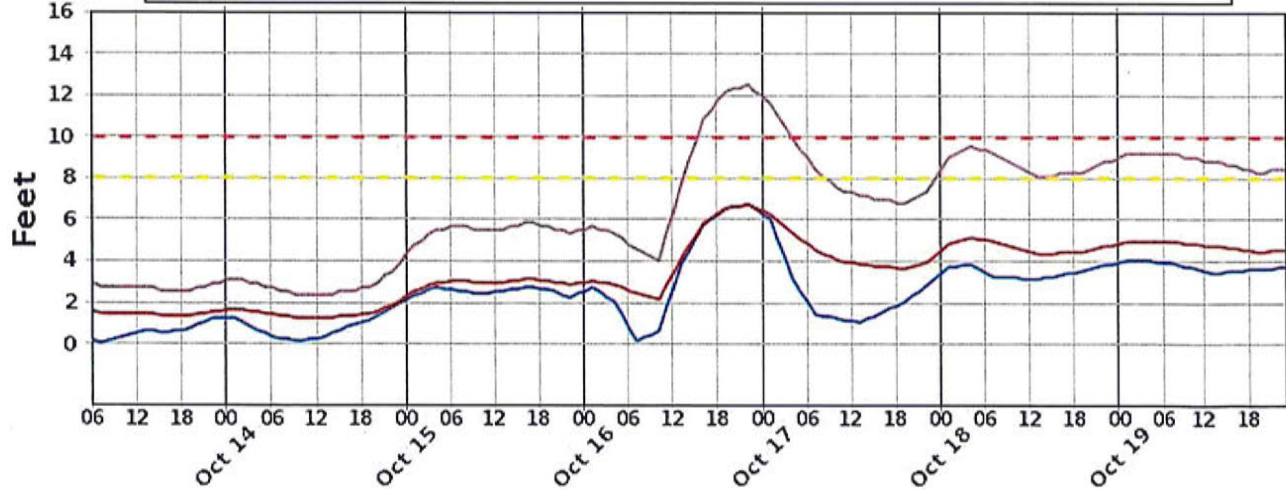
## Swells

Swells    Swell Period



## Wind Waves and Total Seas

Max Wave Height    Sig. Wave Height    Sig. Wave Caution    Sig. Wave Alert  
Wind Wave





Daily Planner

Issued: Tuesday, October 13, 2020 at 06:00AM CDT

Teekay Marine Solutions				Galveston LZ			Position: 28.58 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Tuesday, October 13, 2020										Temperature (F): 81 / 77				
0600	WNW	6	8	6	9	0	S	2	4	2	3	5.75		30% 5%	
1200	E	5	8	6	9	0	SSE	1	4	1	3	10.5		0% 0%	
1800	ENE	6	9	7	10	1	SE	1	4	1	3	10.5		0% 0%	
Valid	Wednesday, October 14, 2020										Temperature (F): 80 / 77				
0000	ESE	7	10	8	10	1	ESE	1	4	1	2	10.5		5% 0%	
0600	ENE	4	6	5	7	0	SE	1	4	1	2	10.5		10% 0%	
1200	ESE	5	8	6	9	0	ESE	1	4	1	2	10.5		5% 0%	
1800	SE	7	10	7	11	0	E	1	4	1	2	10.5		5% 0%	
Valid	Thursday, October 15, 2020										Temperature (F): 81 / 78				
0000	S	12	16	13	17	1	E	1	4	2	3	10.5		5% 0%	
0600	S	13	18	15	19	2	SE	1	4	2	4	10.5		5% 0%	
1200	SSW	11	15	12	16	2	S	2	4	2	4	10.5		20% 10%	
1800	S	6	9	6	9	1	S	2	4	2	4	10.5		15% 5%	
Valid	Friday, October 16, 2020										Temperature (F): 81 / 70				
0000	SSE	9	13	10	14	1	SSE	2	4	2	4	10.5		50% 30%	
0600	SSE	4	6	4	6	0	SSE	2	4	2	4	3.5		65% 25%	
1200	NNE	21	28	24	31	4	S	1	4	4	8	5.0		25% 0%	
1800	NE	24	32	27	35	7	SSW	0	4	7	12	8.75		5% 0%	
Valid	Saturday, October 17, 2020										Temperature (F): 78 / 72				
0000	ENE	22	29	25	31	7	W	0	3	7	12	10.5		0% 0%	
0600	E	17	24	18	26	5	NE	2	5	6	10	10.5		0% 0%	
1200	ESE	10	13	11	15	2	ENE	4	5	4	8	10.5		0% 0%	
1800	SE	8	11	9	12	1	E	3	6	4	6	10.5		0% 0%	
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 76				
0000	SSE	16	23	18	25	3	E	3	6	4	7	10.5		0% 0%	
0600	SSE	13	19	14	20	2	ESE	3	5	4	7	10.5		0% 0%	
1200	SE	12	17	13	18	2	SE	3	5	3	6	10.5		0% 0%	
1800	SE	15	20	16	22	3	SE	2	5	3	6	10.5		0% 0%	
Valid	Monday, October 19, 2020										Temperature (F): 80 / 78				
0000	SE	17	24	19	26	4	ESE	2	5	4	8	10.5		5% 0%	
0600	SSE	15	20	16	21	3	ESE	3	5	4	8	10.5		15% 5%	
1200	SSE	10	14	11	15	2	SE	3	5	4	7	10.5		10% 5%	
1800	SSE	13	18	14	19	2	SE	3	5	4	6	10.5		10% 5%	

Weather Threats	Green	Yellow	Red
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Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

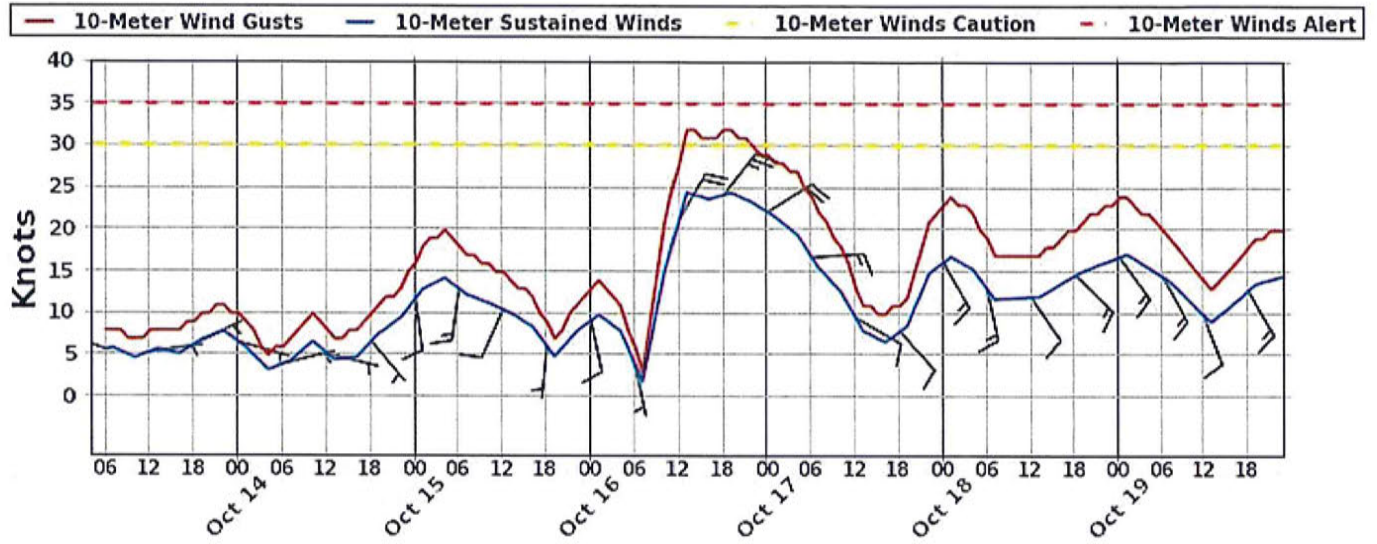
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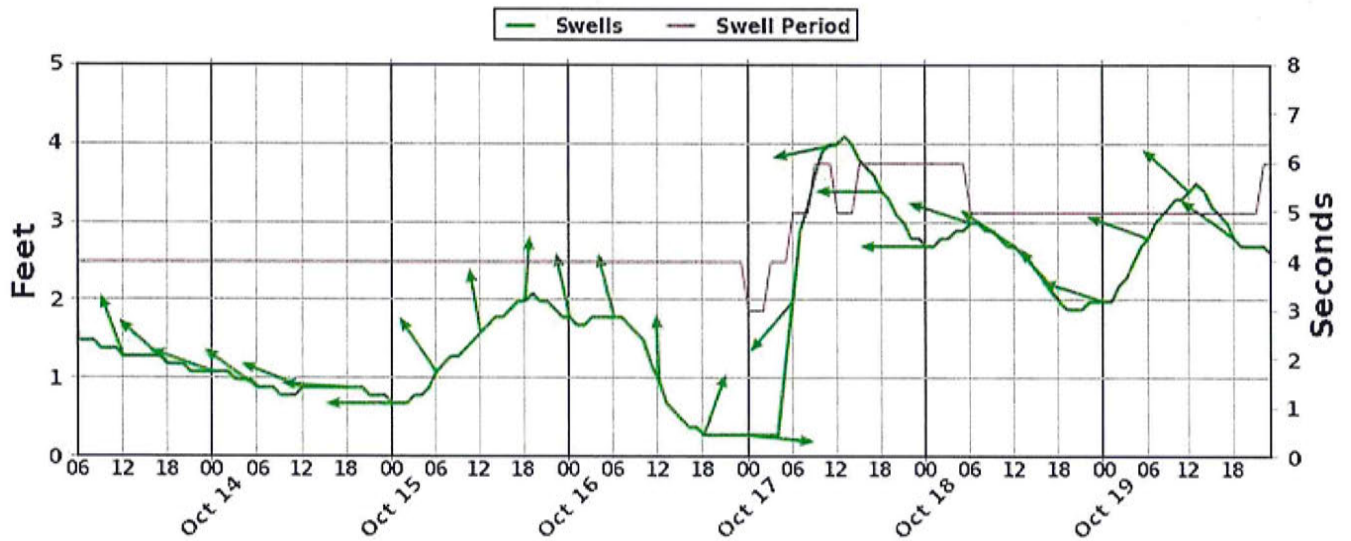


# CONFIDENTIAL

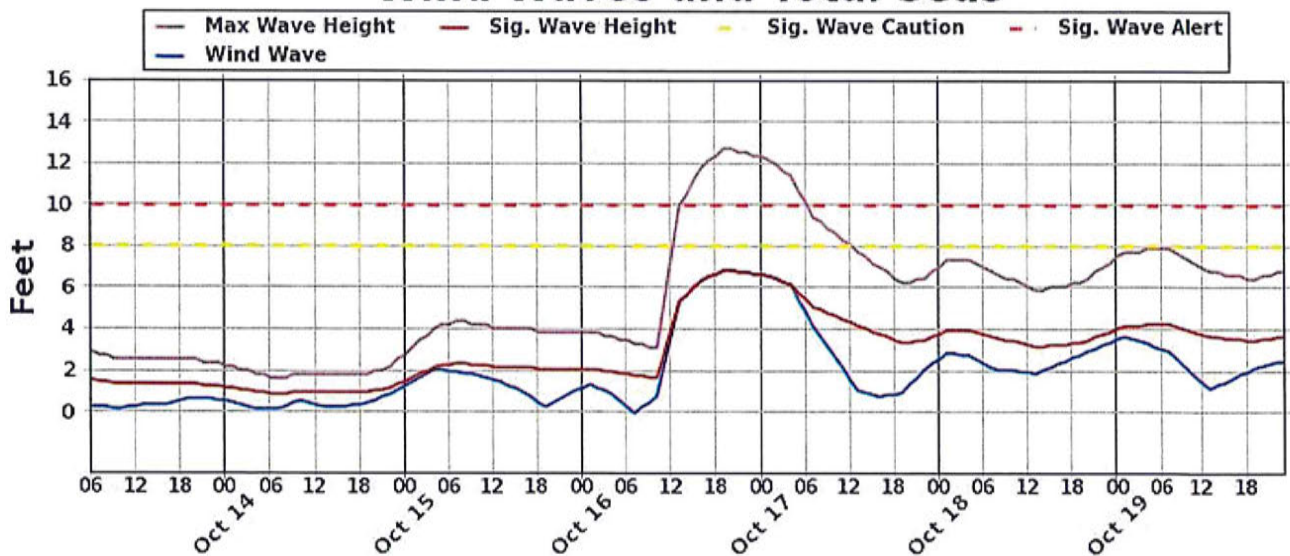
## Winds



## Swells

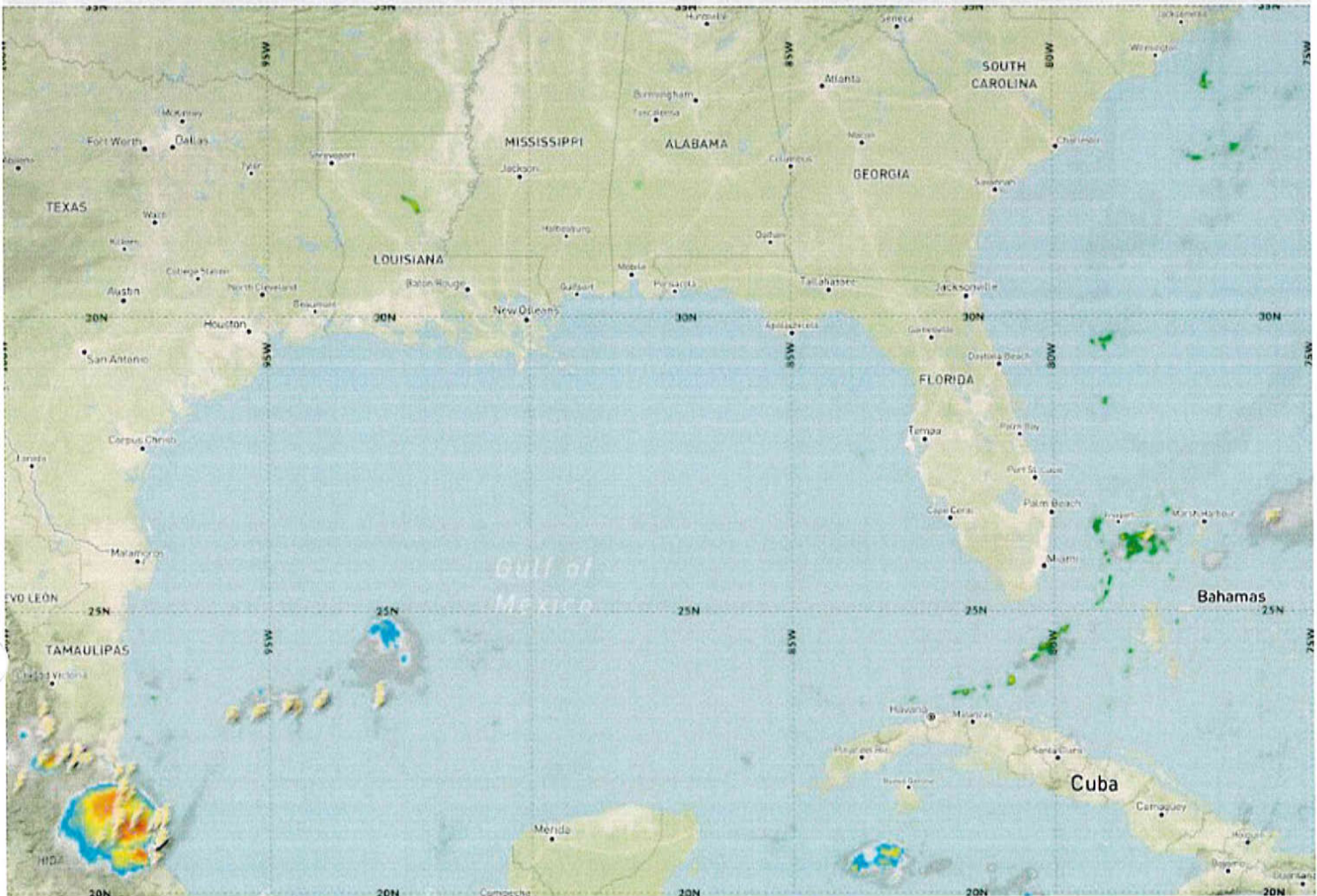


## Wind Waves and Total Seas





**Current Radar, Satellite, and Lightning**



**Today and Tomorrow's Weather**

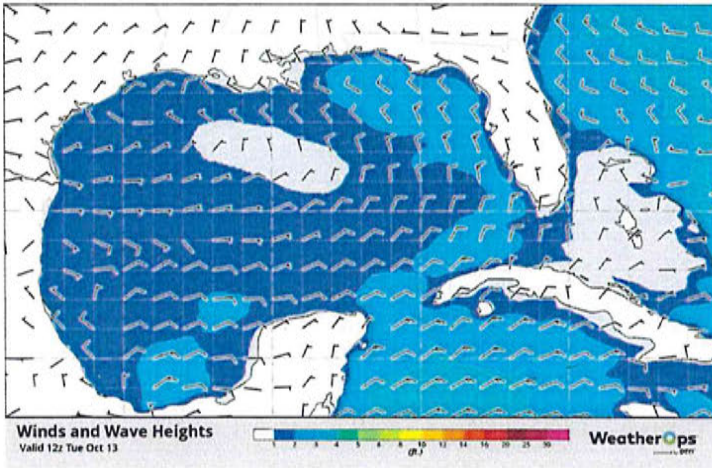
Analyses this morning show a weak cold front moving across the Gulf. This will have little impact but will keep northerly winds in most regions into Wednesday generally at gentle to occasionally moderate speeds. Seas today and tomorrow should be mostly slight. The high pressure behind the front will slide eastward and E-SE winds will return to eastern and central sections later Wednesday with southeasterly winds out west.

**Day Three through Seven Weather Hazards**

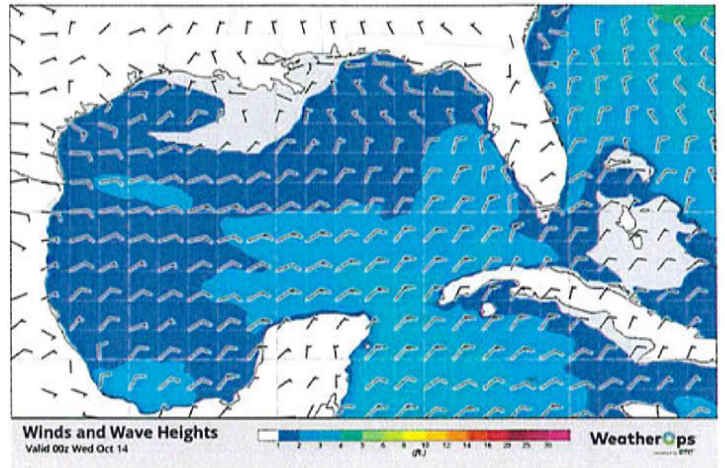
As low pressure deepens to the north, E-SE winds at moderate to occasionally fresh speeds will develop Thursday. This low pressure will push another cold front southward. It will move off the Texas coast Friday morning, shifting winds to N'ly at fresh to strong speeds as it passes. Although the frontal passage may not initially result in these winds in eastern sections, strong high pressure building in behind the front will increase winds to fresh to strong in those regions by Friday night. Seas will likely build to rough levels in some locations due to the stronger winds. The strong high will move rapidly eastward and E winds at moderate speeds will be in most sections by Saturday morning. Seas will be settling down Saturday as well with moderate conditions returning in all areas by later in the day. Sunday, winds will have veered back to SE in the west as the high shifts east, with E winds further east. Speeds will be generally moderate as will be seas. These conditions should persist into early next week.



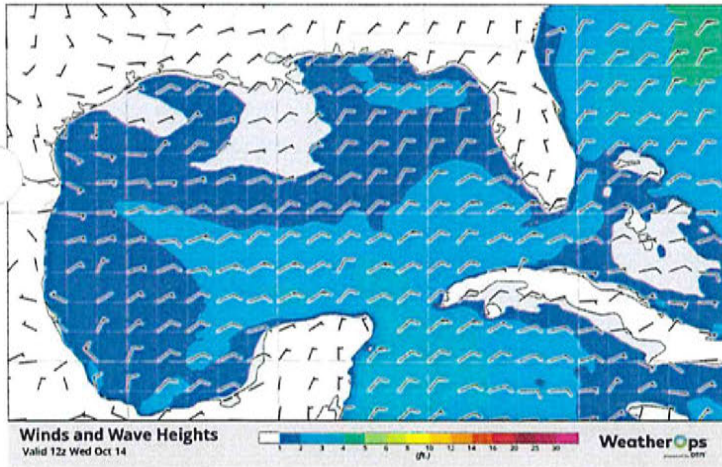
This Morning's Winds and Seas



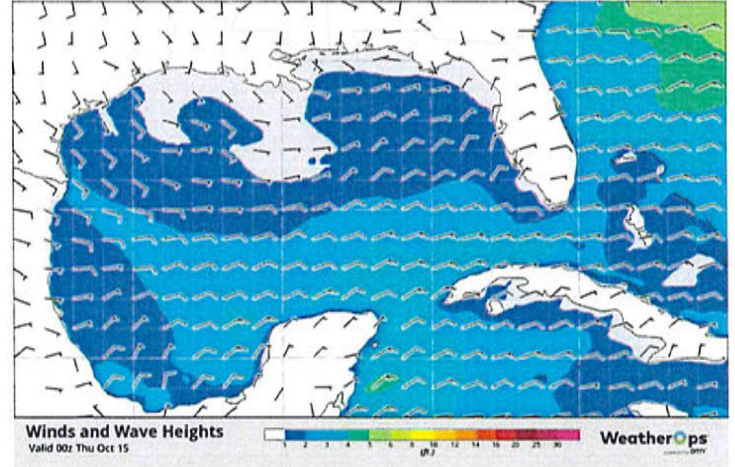
This Evening's Winds and Seas



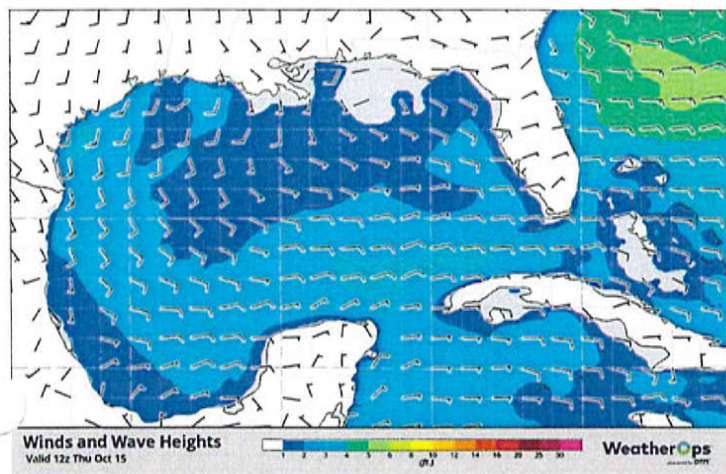
Tomorrow Morning's Winds and Seas



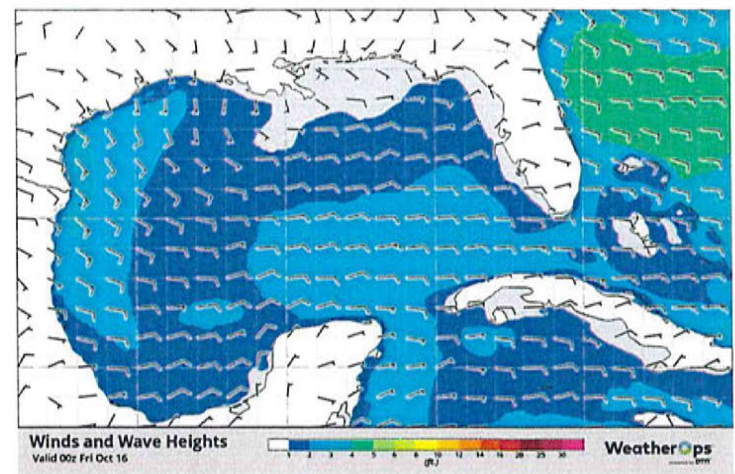
Tomorrow Evening's Winds and Seas



Day 3 Morning Winds and Seas

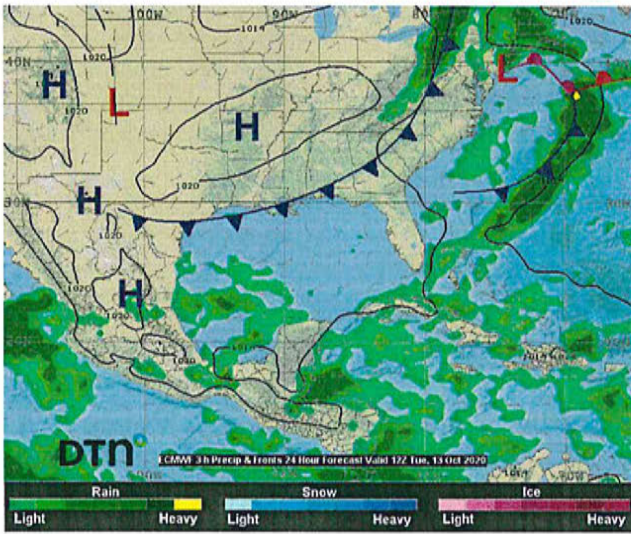


Day 3 Evening Wind and Seas

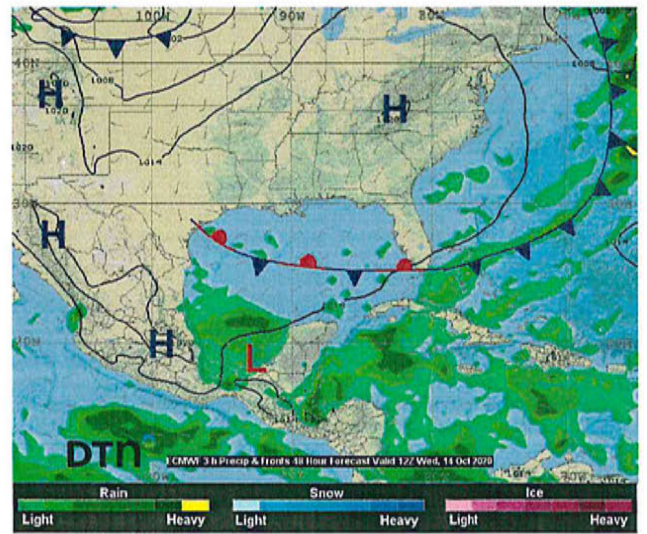




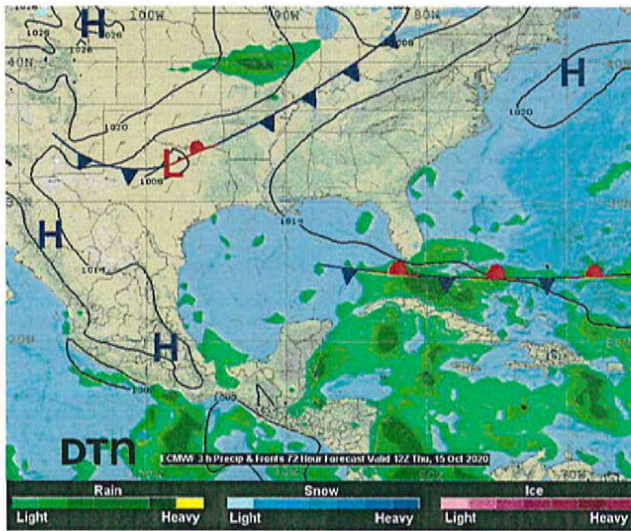
Day 1 Surface Chart



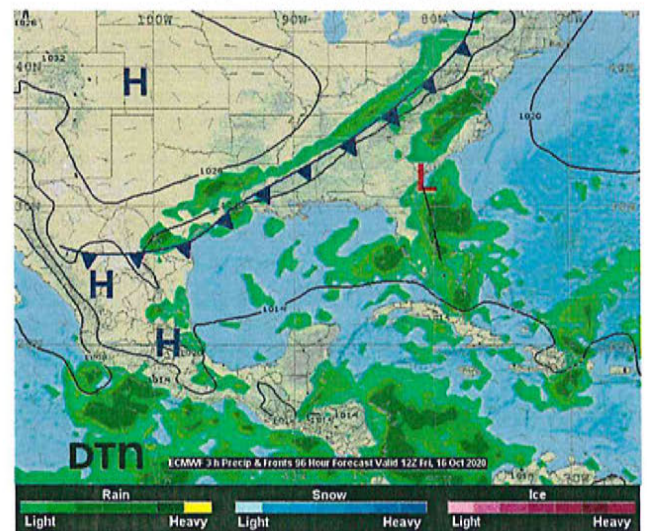
Day 2 Surface Chart



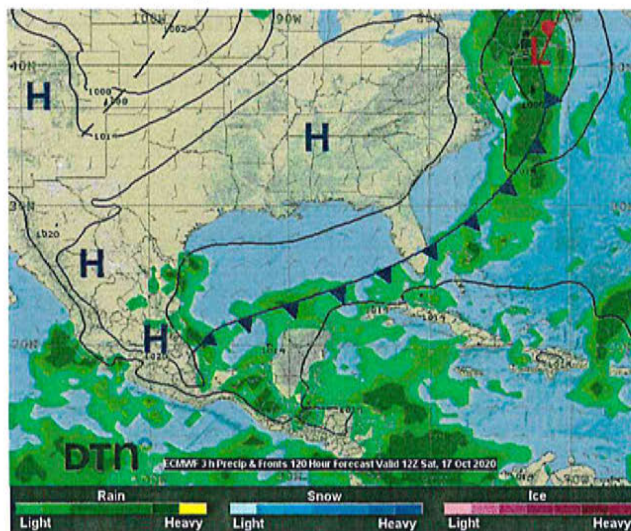
Day 3 Surface Chart



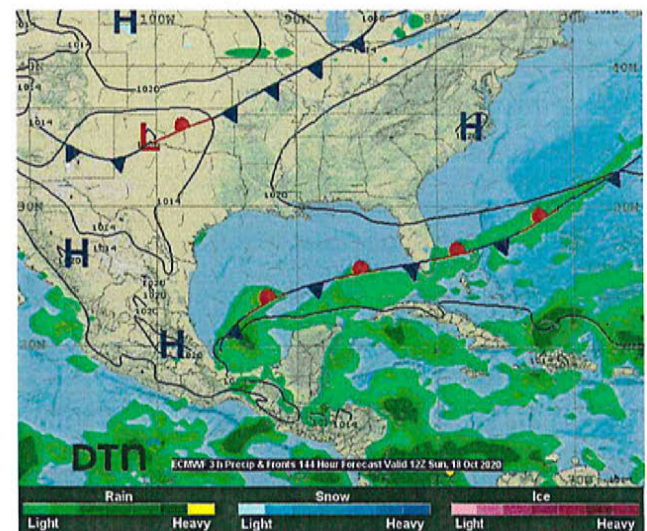
Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Daily Planner

Issued: Tuesday, October 13, 2020 at 06:00AM CDT

Teekay Marine Solutions			Pascagoula LZ				Position: 29.45 N 88.21 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Tuesday, October 13, 2020										Temperature (F): 79 / 76				
0600	WNW	12	16	13	17	2	SW	2	4	2	4	10.5		0%	0%
1200	N	7	9	7	10	1	WSW	1	3	2	3	10.5		0%	0%
1800	NNW	4	7	5	8	0	WNW	1	3	1	2	10.5		0%	0%
Valid	Wednesday, October 14, 2020										Temperature (F): 78 / 74				
0000	N	8	11	9	12	1	SW	1	4	1	2	10.5		0%	0%
0600	NE	9	12	10	14	1	NNE	1	3	2	3	10.5		0%	0%
1200	ENE	6	9	6	9	1	NE	2	4	2	3	10.5		0%	0%
1800	ESE	4	7	5	7	0	NE	1	3	1	2	10.5		0%	0%
Valid	Thursday, October 15, 2020										Temperature (F): 79 / 75				
0000	SSE	7	9	7	10	0	ENE	1	3	1	2	10.5		0%	0%
0600	S	8	11	8	12	1	ESE	1	3	1	2	10.5		0%	0%
1200	ESE	3	6	4	6	0	SSE	1	3	1	1	10.5		0%	0%
1800	ESE	6	10	7	11	1	SE	1	3	1	1	10.5		5%	0%
Valid	Friday, October 16, 2020										Temperature (F): 78 / 69				
0000	ESE	3	5	3	5	0	ESE	1	3	1	1	10.5		10%	5%
0600	NNW	5	7	5	8	0	ESE	1	3	1	1	10.5		20%	5%
1200	N	10	14	11	15	1	ESE	1	4	1	2	7.0		5%	0%
1800	N	21	27	23	29	4	SE	1	5	4	7	9.25		0%	0%
Valid	Saturday, October 17, 2020										Temperature (F): 73 / 65				
0000	NNE	25	32	27	35	6	SSE	0	5	6	12	10.5		0%	0%
0600	NE	21	29	23	31	6	WSW	0	3	6	12	10.5		0%	0%
1200	ENE	16	22	17	24	5	NE	2	5	5	9	10.5		5%	0%
1800	E	11	16	12	18	2	ENE	3	5	4	7	10.5		10%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 78 / 71				
0000	ESE	8	12	9	13	1	E	2	5	3	5	10.5		10%	0%
0600	E	6	9	6	9	1	ESE	2	4	2	4	10.5		10%	0%
1200	ENE	10	14	11	15	1	ESE	2	4	2	4	10.5		15%	5%
1800	E	16	22	18	24	3	ENE	1	3	3	6	10.5		10%	5%
Valid	Monday, October 19, 2020										Temperature (F): 79 / 76				
0000	E	16	23	18	25	4	SE	2	6	4	8	6.0		10%	5%
0600	ESE	17	24	19	26	4	E	2	5	5	8	2.75		30%	15%
1200	ESE	17	25	19	27	5	ESE	2	6	5	9	2.25		20%	10%
1800	ESE	17	24	19	26	5	ESE	3	6	5	10	6.5		25%	15%

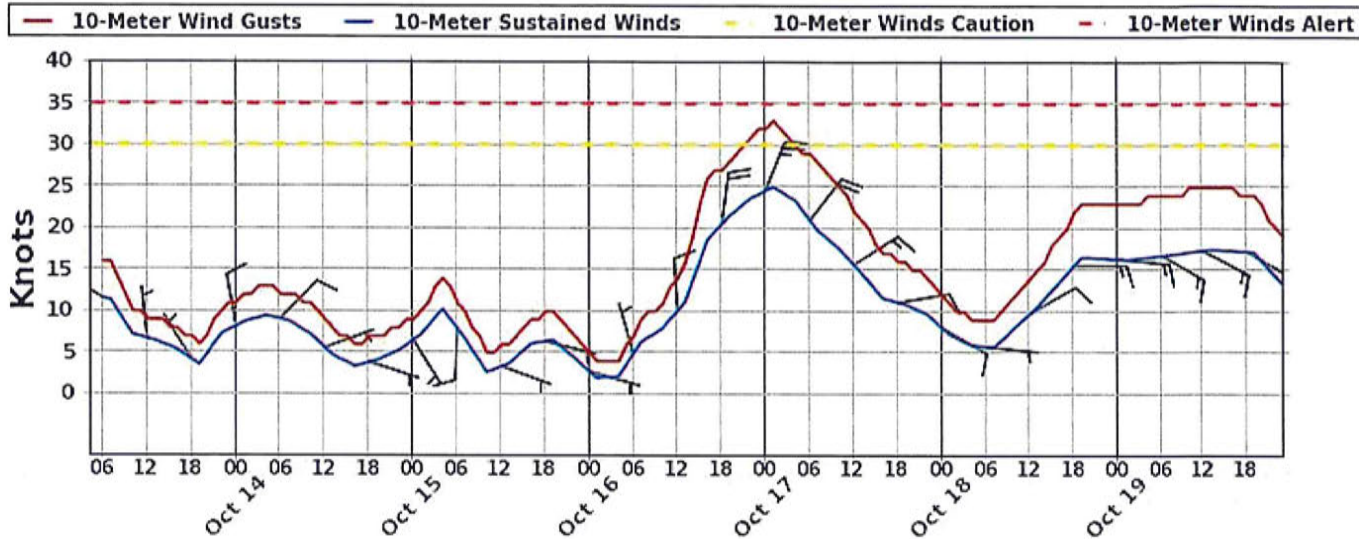
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Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

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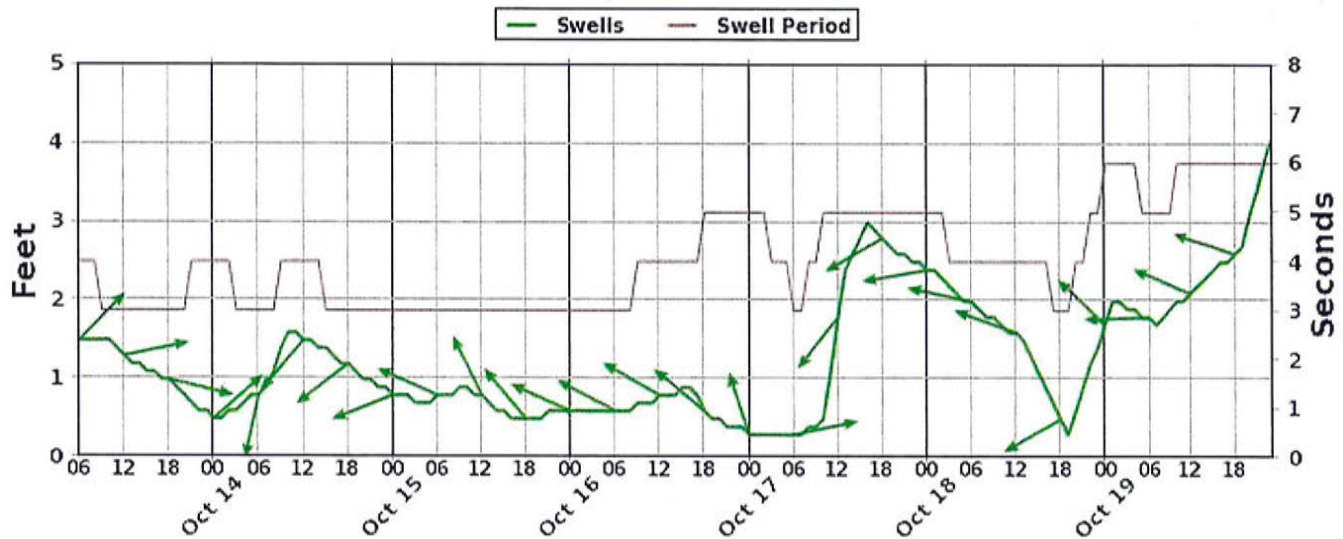
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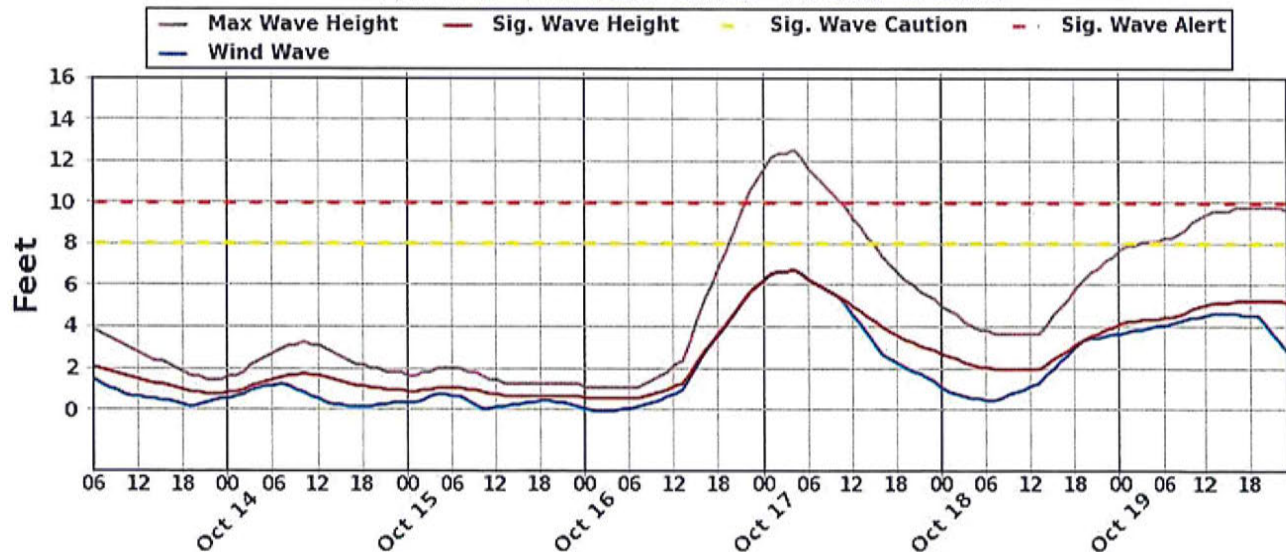
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Tuesday, October 13, 2020 at 06:00AM CDT

Teekay Marine Solutions			Sabine LZ				Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST		50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB		
Valid	Tuesday, October 13, 2020										Temperature (F): 80 / 77				
0600	WNW	6	9	7	9	0	S	1	4	2	3	8.75		40%	20%
1200	ENE	8	11	9	12	1	SE	1	4	2	3	10.5		0%	0%
1800	NE	6	9	7	10	1	E	1	4	1	3	10.5		0%	0%
Valid	Wednesday, October 14, 2020										Temperature (F): 79 / 76				
0000	ENE	4	7	5	8	0	ESE	1	4	1	2	10.5		0%	0%
0600	NE	6	8	6	9	1	SE	1	4	1	2	10.5		0%	0%
1200	E	6	9	7	10	1	E	1	3	1	2	10.5		0%	0%
1800	SE	4	7	4	7	0	E	1	4	1	2	10.5		0%	0%
Valid	Thursday, October 15, 2020										Temperature (F): 80 / 76				
0000	S	7	10	8	11	0	E	1	4	1	2	10.5		5%	0%
0600	SSW	10	14	12	16	1	ESE	1	4	2	3	10.5		15%	5%
1200	S	11	15	13	17	2	SSE	1	4	2	4	6.0		20%	15%
1800	S	9	12	10	13	1	SSE	2	4	2	4	5.0		25%	15%
Valid	Friday, October 16, 2020										Temperature (F): 80 / 70				
0000	SSE	8	11	8	12	1	S	2	4	2	4	10.5		40%	15%
0600	SW	4	6	4	7	0	S	2	4	2	3	4.0		50%	20%
1200	NNE	21	27	23	30	4	S	1	4	4	7	8.5		15%	0%
1800	NE	23	30	25	33	6	NW	1	4	6	12	10.5		5%	0%
Valid	Saturday, October 17, 2020										Temperature (F): 76 / 70				
0000	NE	23	29	25	31	7	WNW	0	3	7	12	10.5		0%	0%
0600	ENE	19	25	21	27	6	NW	0	3	6	10	10.5		0%	0%
1200	ESE	13	18	15	20	3	ENE	4	6	5	9	10.5		0%	0%
1800	SE	10	13	11	15	1	E	3	6	4	7	10.5		0%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 75				
0000	SSE	14	19	15	21	2	E	3	6	4	6	10.5		5%	0%
0600	SSE	12	17	13	18	2	ESE	3	5	3	6	10.5		5%	0%
1200	SE	11	16	13	17	2	ESE	2	5	3	5	10.5		5%	0%
1800	SE	14	19	16	21	3	SE	2	4	3	6	10.5		5%	0%
Valid	Monday, October 19, 2020										Temperature (F): 80 / 77				
0000	SE	16	23	18	25	3	E	2	5	4	7	10.5		10%	0%
0600	SE	11	16	12	18	2	ESE	3	5	4	7	10.5		10%	5%
1200	SE	7	10	8	10	1	SE	3	5	3	6	10.5		15%	5%
1800	SE	10	13	10	14	1	ESE	3	6	3	6	8.75		20%	10%

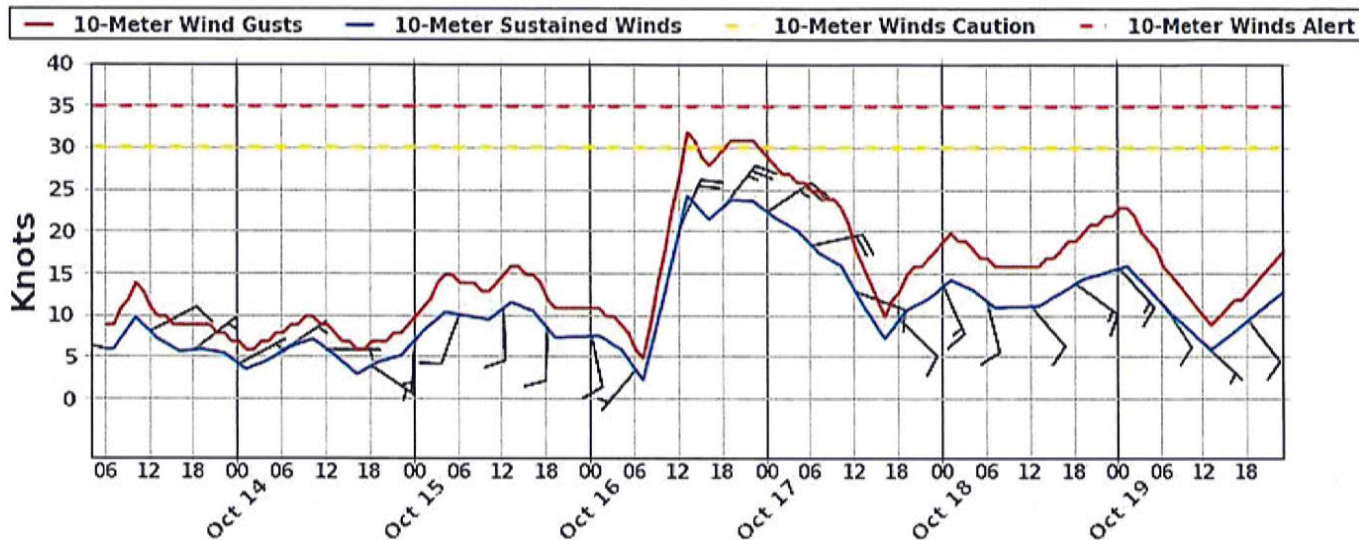
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

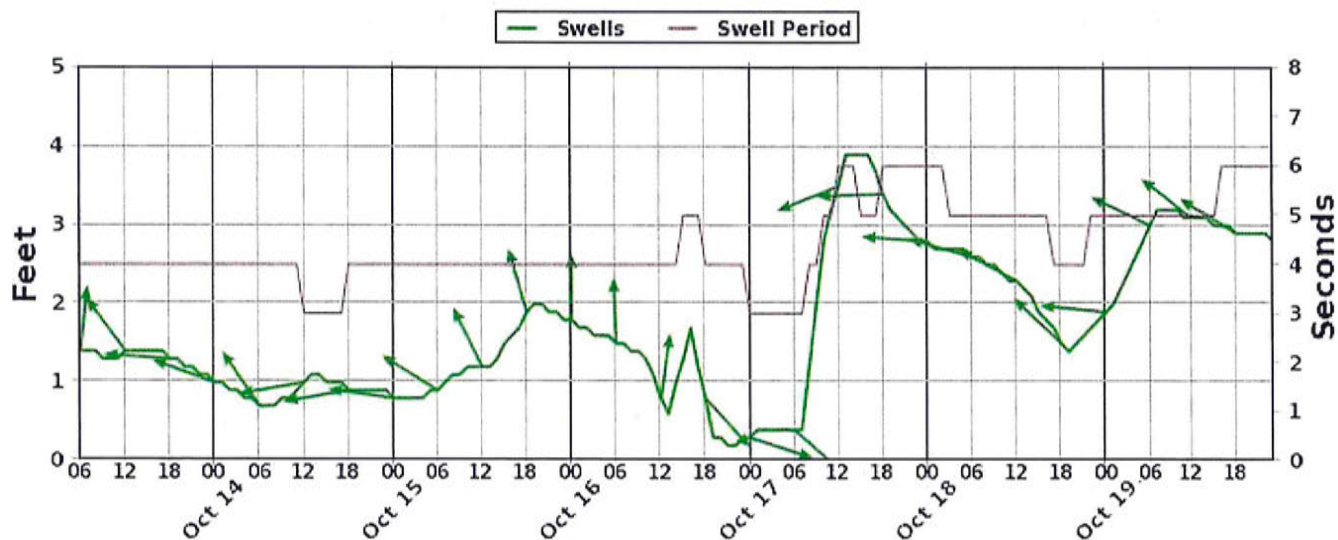
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



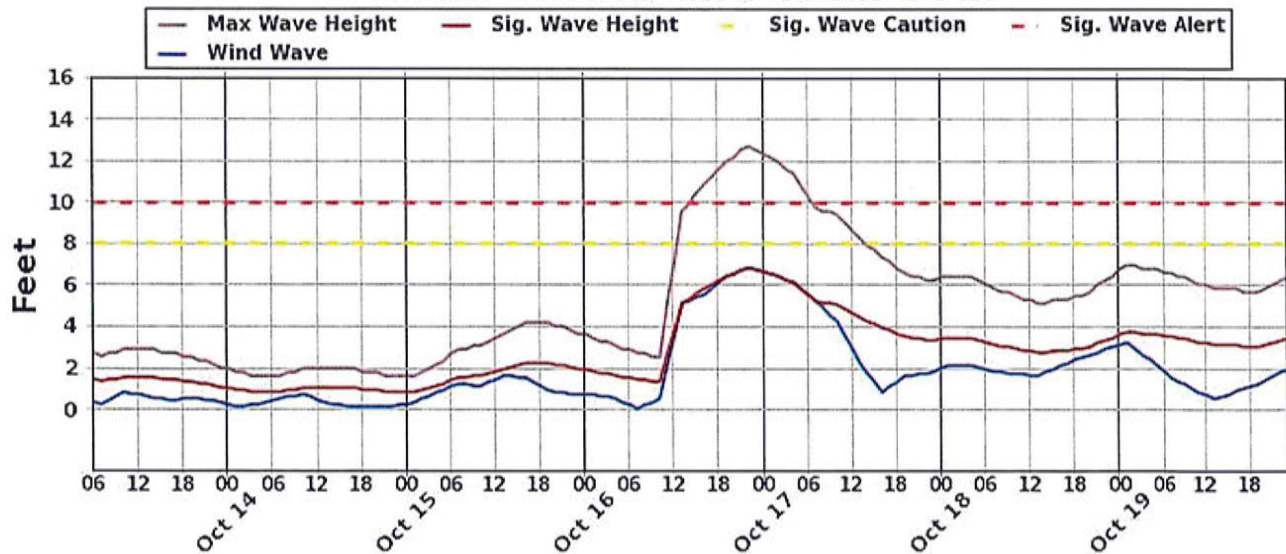
# WINDS



# Swells



# Wind Waves and Total Seas





Daily Planner

Issued: Tuesday, October 13, 2020 at 06:00AM CDT

Teekay Marine Solutions			SW Pass LZ				Position: 28.31 N 90.54 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST		50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB		
Valid	Tuesday, October 13, 2020											Temperature (F): 80 / 76			
0600	NW	8	11	9	12	1	SW	1	4	1	2	10.5		10%	0%
1200	NNW	5	8	6	9	0	WSW	1	4	1	2	10.5		0%	0%
1800	NNE	3	5	3	6	0	WSW	1	4	1	1	10.5		0%	0%
Valid	Wednesday, October 14, 2020											Temperature (F): 80 / 76			
0000	NNE	5	8	6	8	0	SW	1	4	1	1	10.5		0%	0%
0600	NE	6	9	7	10	0	SW	1	4	1	1	10.5		0%	0%
1200	ENE	7	10	7	11	1	N	1	3	1	2	10.5		0%	0%
1800	ESE	4	7	5	8	0	NE	1	3	1	1	10.5		0%	0%
Valid	Thursday, October 15, 2020											Temperature (F): 80 / 75			
0000	SSE	7	9	7	10	0	E	1	4	1	1	8.25		5%	0%
0600	S	9	13	11	14	1	E	1	3	1	2	4.0		15%	0%
1200	SSW	5	7	5	8	0	SSE	1	3	1	2	10.5		5%	0%
1800	SE	4	7	5	8	0	SSE	1	3	1	2	10.5		10%	0%
Valid	Friday, October 16, 2020											Temperature (F): 79 / 73			
0000	ESE	4	6	4	7	0	SSE	1	4	1	1	10.5		10%	5%
0600	NNE	6	8	6	9	0	SE	1	4	1	2	10.5		20%	5%
1200	NNE	11	16	12	17	1	ESE	1	4	1	2	7.0		10%	0%
1800	NNE	20	28	22	30	4	N	1	4	4	7	9.5		0%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 75 / 70			
0000	NE	22	28	24	30	5	WSW	0	3	5	10	10.5		5%	0%
0600	NE	20	28	22	30	6	WNW	0	3	6	11	10.5		0%	0%
1200	ENE	16	23	18	25	5	NE	2	6	5	10	10.5		0%	0%
1800	E	14	19	15	21	3	NE	3	6	4	8	10.5		5%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 79 / 74			
0000	SE	11	15	12	16	2	ENE	3	5	4	7	10.5		10%	0%
0600	ESE	8	11	8	12	1	E	3	5	3	5	10.5		10%	0%
1200	E	11	15	12	16	2	ESE	2	5	3	5	10.5		5%	0%
1800	E	15	20	16	22	3	SE	1	4	3	6	7.5		10%	5%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 76			
0000	ESE	15	21	17	23	4	E	2	5	4	7	4.25		20%	10%
0600	ESE	14	19	15	21	3	E	3	6	4	8	3.5		20%	10%
1200	SE	12	17	13	18	2	ESE	4	6	5	8	7.25		20%	10%
1800	ESE	12	17	14	18	2	ESE	4	6	4	8	4.0		25%	10%

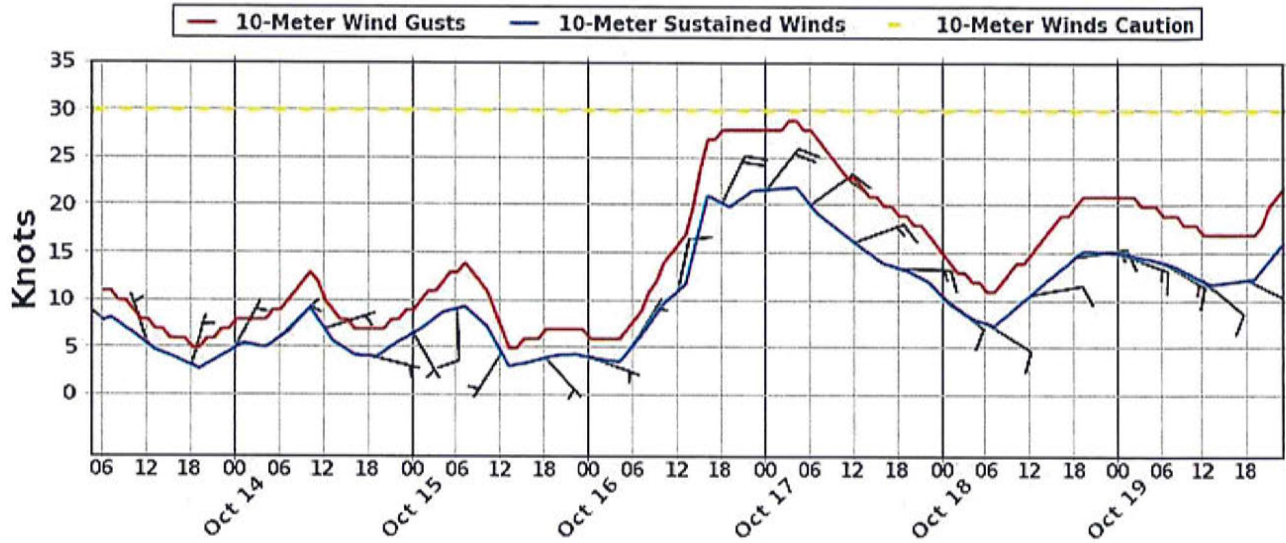
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

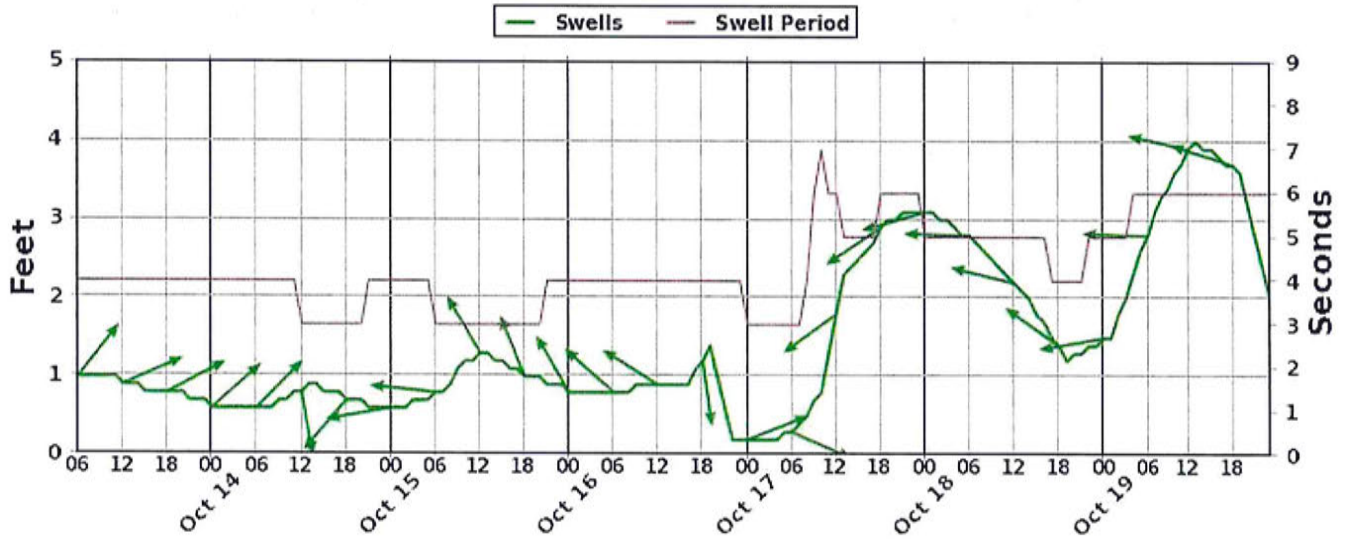
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



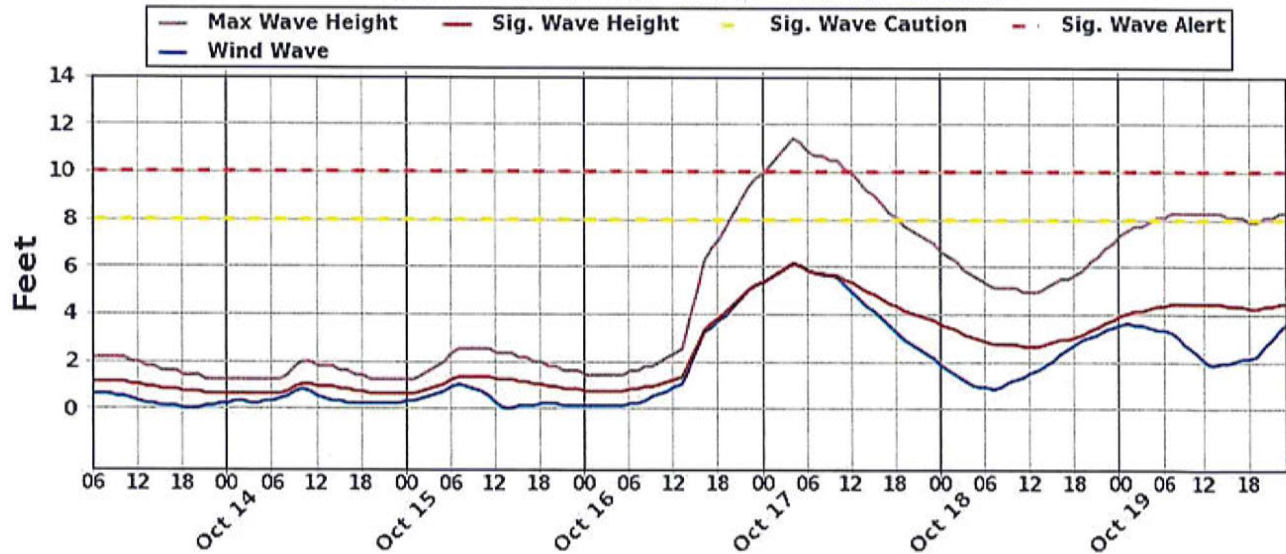
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





CONFIDENTIAL

**From:** [Graceanna Werner](#)  
**Sent:** Wednesday, October 14, 2020 8:39 AM  
**Subject:** Daily Gulf Weather Forecast 14th October  
**Attachments:** Corpus\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201014T0600.pdf; Galveston\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201014T0600.pdf; Gulf\_of\_Mexico\_Planner\_10142020\_0600.pdf; Pascagoula\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201014T0600.pdf; Sabine\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201014T0600.pdf

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Good day all,

GOLA LZ/ Sabine LZ / Corpus LZ: Forecast shows forecast highs on the 16<sup>th</sup> PM until the 17<sup>th</sup> AM.

Pasc LZ / SWPass LZ: Forecast shows intermittent forecast highs starting on the 17<sup>th</sup> AM through forecast end on the 20<sup>th</sup> PM.

The weather forecast ends Tuesday, October 20<sup>th</sup>.

We will continue to monitor accordingly.

Best regards,



**Graceanna Werner**  
Commercial Operations Coordinator  
Teekay Shipping (USA), Inc.  
mobile +1 832 707 2980  
email [graceanna.werner@teekay.com](mailto:graceanna.werner@teekay.com)  
BRINGING ENERGY TO THE WORLD

ATINA 000674



Daily Planner

Issued: Wednesday, October 14, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Wednesday, October 14, 2020										Temperature (F): 80 / 76				
0600	S	5	8	6	8	0	SE	1	4	1	2	10.5		0%	0%
1200	SSE	5	8	6	9	0	SE	1	4	1	2	10.5		0%	0%
1800	SSE	10	13	10	14	1	SE	1	4	1	3	10.5		0%	0%
Valid	Thursday, October 15, 2020										Temperature (F): 82 / 78				
0000	SSE	16	21	17	23	2	E	1	4	3	5	10.5		0%	0%
0600	S	14	19	15	21	2	SE	2	4	3	6	10.5		5%	0%
1200	S	15	21	17	23	3	SE	2	4	3	6	10.5		0%	0%
1800	SSE	15	21	16	23	3	S	1	4	3	6	10.5		0%	0%
Valid	Friday, October 16, 2020										Temperature (F): 81 / 74				
0000	SE	15	21	16	23	3	S	2	4	3	6	10.5		25%	20%
0600	SE	8	11	8	12	1	SSE	3	4	3	5	8.5		70%	65%
1200	NE	10	14	11	15	1	SSE	2	4	2	4	3.0		65%	60%
1800	NE	22	29	25	32	5	SSE	1	5	5	9	6.25		40%	5%
Valid	Saturday, October 17, 2020										Temperature (F): 80 / 74				
0000	NE	19	26	20	28	6	SE	1	5	6	10	6.0		25%	0%
0600	ENE	12	17	13	19	3	ENE	3	6	4	8	2.75		15%	0%
1200	ESE	10	14	11	16	2	ENE	3	5	4	7	3.5		20%	0%
1800	SE	11	16	13	17	2	E	3	5	3	6	8.5		10%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 77				
0000	SSE	14	20	15	22	2	E	3	6	4	6	10.5		10%	0%
0600	SSE	12	17	14	19	2	E	3	6	4	7	10.5		15%	0%
1200	SE	12	16	13	17	2	ESE	3	6	4	7	7.75		15%	10%
1800	SE	15	21	16	23	3	E	2	6	4	7	5.75		15%	5%
Valid	Monday, October 19, 2020										Temperature (F): 81 / 78				
0000	SE	17	23	19	25	4	E	3	6	5	9	5.5		35%	25%
0600	SSE	16	22	17	24	3	E	4	6	5	9	6.5		25%	20%
1200	SSE	13	18	15	19	2	ESE	4	6	5	8	10.0		10%	5%
1800	SE	15	21	17	23	3	ESE	3	6	4	8	10.5		5%	0%
Valid	Tuesday, October 20, 2020										Temperature (F): 81 / 76				
0000	SE	16	23	18	25	4	E	3	6	5	9	8.75		20%	10%
0600	SE	11	15	12	16	2	ESE	4	6	5	8	8.0		25%	15%
1200	ESE	10	15	12	16	2	ESE	4	6	4	8	10.0		20%	10%
1800	ESE	11	16	13	17	2	ESE	4	7	5	9	7.5		20%	10%

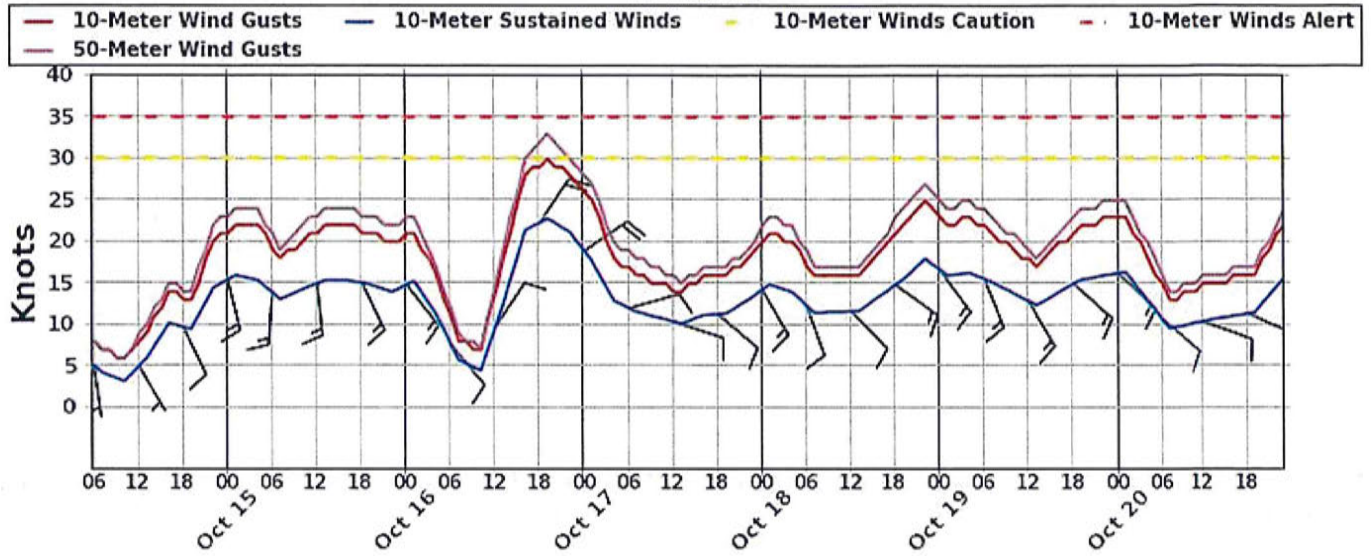
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

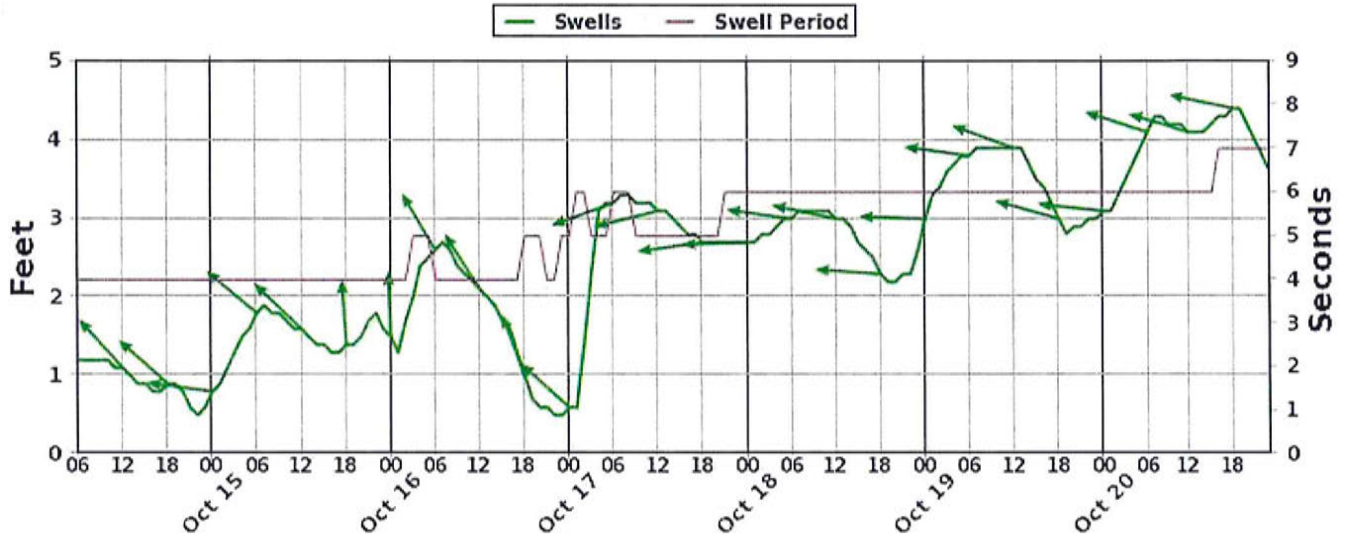
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



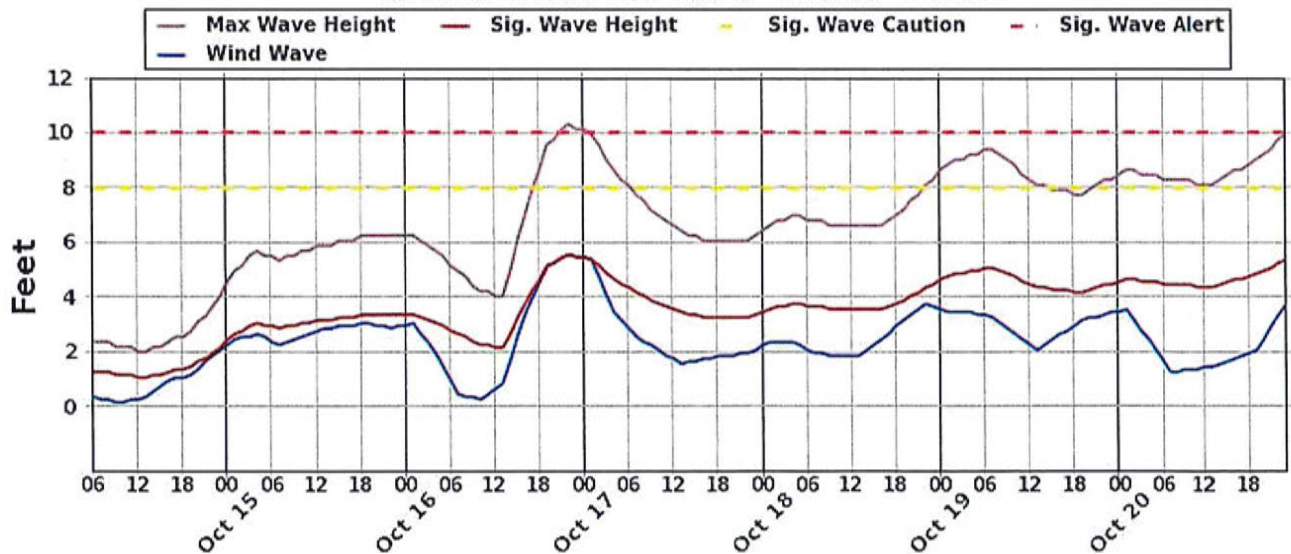
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Wednesday, October 14, 2020 at 06:00AM CDT

Teekay Marine Solutions			Galveston LZ				Position: 28.58 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC			SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB
Valid	Wednesday, October 14, 2020											Temperature (F): 80 / 77			
0600	ENE	6	8	6	9	1	SE	1	4	1	2	10.5		5%	0%
1200	ESE	7	10	8	11	1	E	1	4	1	2	10.5		0%	0%
1800	SSE	6	9	7	10	1	E	1	4	1	2	10.5		5%	0%
Valid	Thursday, October 15, 2020											Temperature (F): 82 / 78			
0000	S	12	17	14	18	1	E	1	4	2	3	10.5		10%	10%
0600	SSW	13	19	15	20	2	SE	1	4	2	4	10.5		10%	5%
1200	SSW	11	16	12	17	2	S	2	4	3	5	10.5		5%	0%
1800	SSE	9	12	9	13	1	SSW	2	4	2	4	10.5		15%	5%
Valid	Friday, October 16, 2020											Temperature (F): 81 / 73			
0000	SSE	11	15	12	16	2	SSW	2	4	2	4	10.5		50%	20%
0600	S	5	7	5	8	1	S	2	4	2	4	8.25		75%	20%
1200	NE	16	21	17	23	2	S	2	4	2	4	4.0		45%	0%
1800	NE	21	27	23	29	5	SSW	1	4	5	10	10.5		15%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 79 / 73			
0000	ENE	18	24	20	26	5	NNE	1	4	5	9	10.5		10%	0%
0600	ENE	12	16	13	17	3	NE	3	5	4	7	10.5		5%	0%
1200	ESE	10	14	11	15	2	ENE	3	5	3	6	10.5		10%	0%
1800	SE	11	15	11	16	2	E	3	5	3	6	5.75		5%	5%
Valid	Sunday, October 18, 2020											Temperature (F): 81 / 78			
0000	SE	16	22	17	24	3	E	3	6	4	7	9.0		5%	5%
0600	SSE	13	18	15	20	2	ESE	3	5	4	8	10.5		10%	0%
1200	SE	10	14	11	15	1	ESE	3	5	3	6	10.5		10%	0%
1800	ESE	15	21	16	22	3	SE	2	4	3	6	10.5		5%	0%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 79			
0000	SE	17	24	19	26	4	E	2	5	4	8	10.5		10%	5%
0600	SSE	13	19	15	20	3	ESE	4	6	4	8	10.5		10%	10%
1200	SE	12	17	14	18	2	ESE	4	6	4	8	10.5		10%	5%
1800	SE	13	18	15	19	2	SE	4	6	4	8	9.5		5%	5%
Valid	Tuesday, October 20, 2020											Temperature (F): 81 / 77			
0000	SE	16	22	18	24	4	ESE	3	6	5	9	8.25		20%	15%
0600	ESE	14	20	16	21	3	ESE	4	6	5	9	7.5		40%	25%
1200	ESE	13	18	14	19	2	ESE	4	7	5	9	7.25		35%	20%
1800	ESE	15	21	17	22	3	ESE	4	7	5	9	8.0		25%	15%

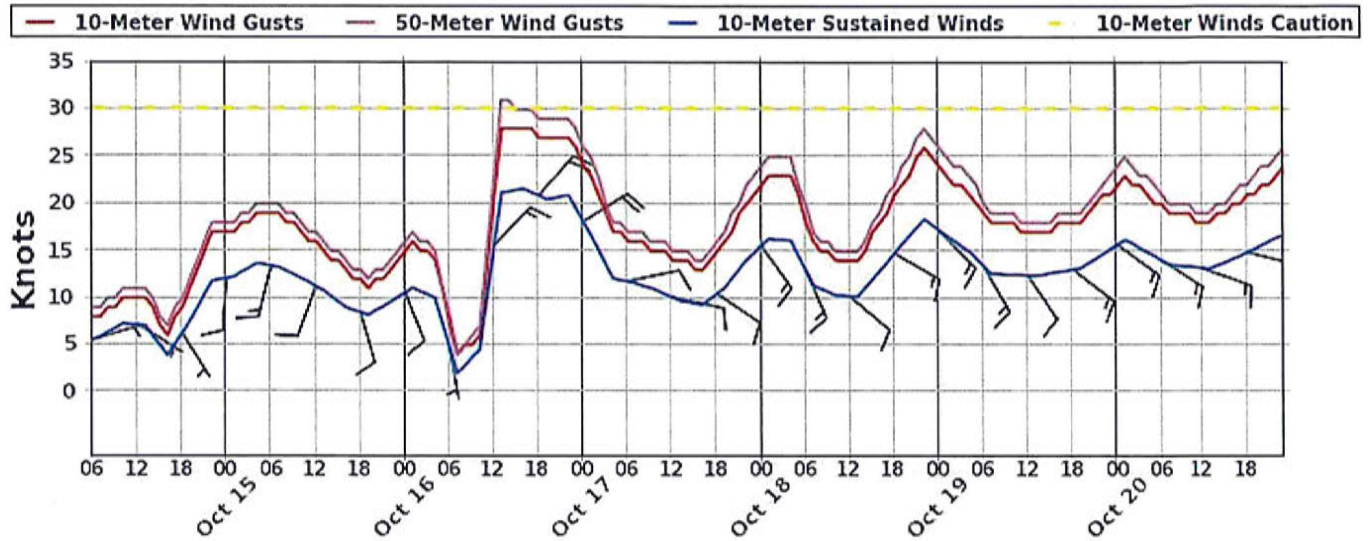
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

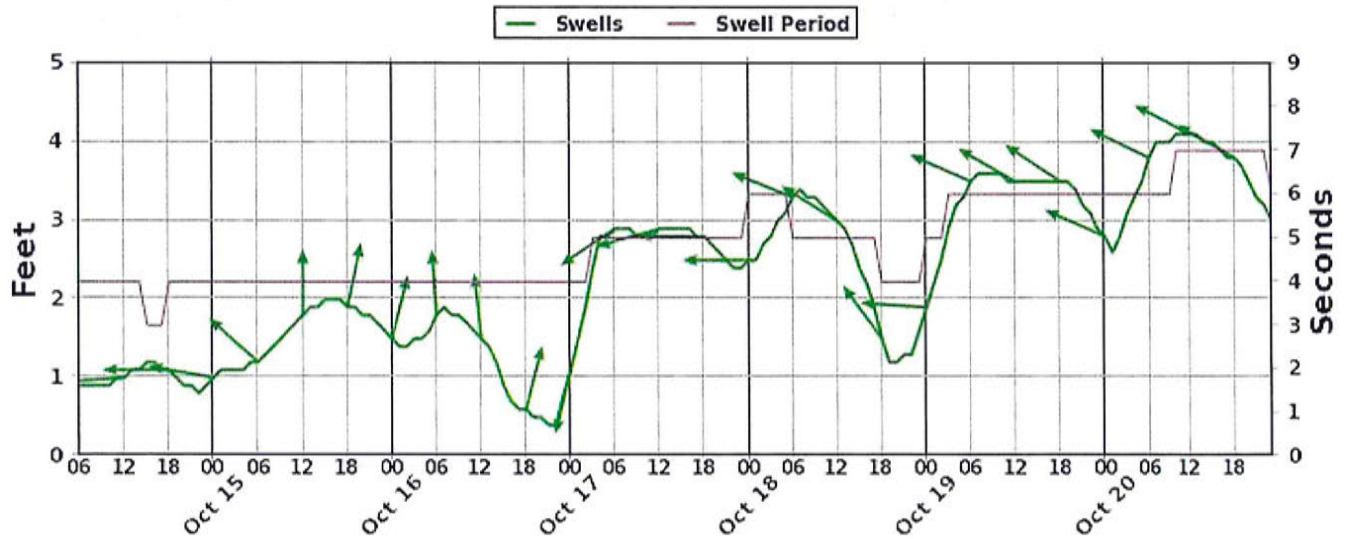
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



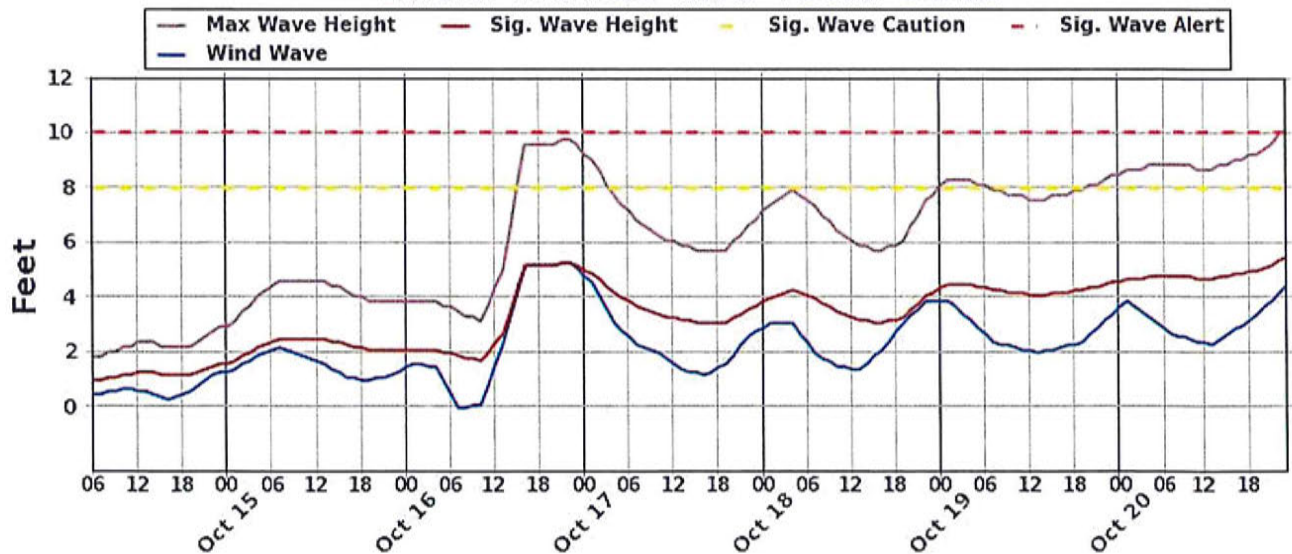
# CONFIDENTIAL WINDS



## Swells

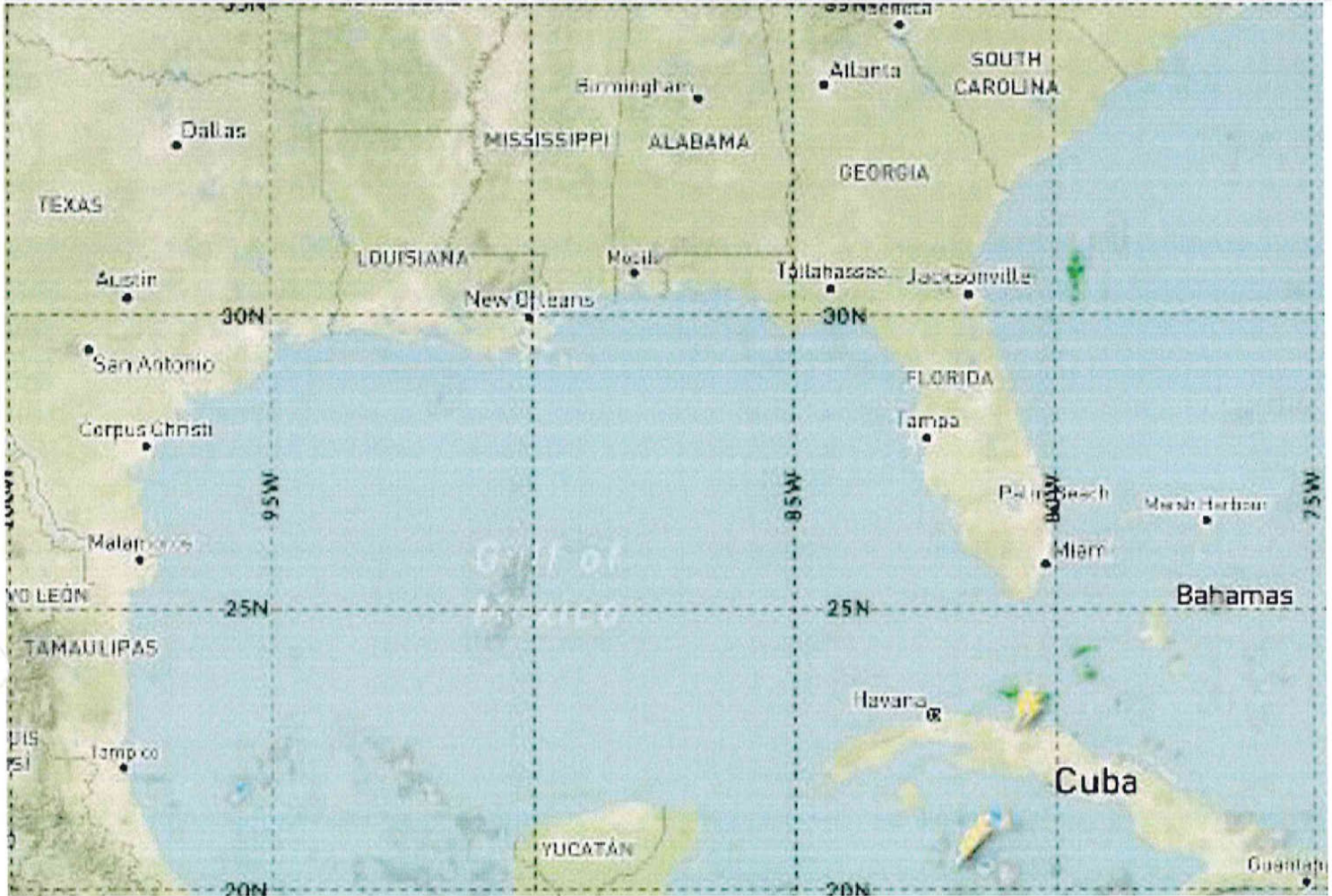


## Wind Waves and Total Seas





Current Radar, Satellite, and Lightning



Today and Tomorrow's Weather

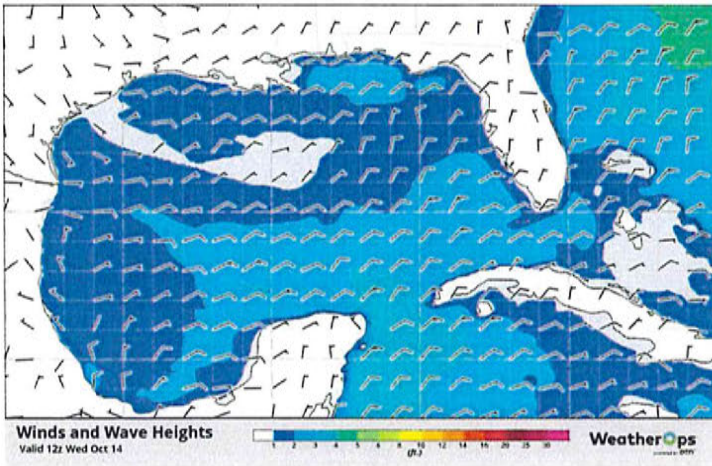
Mostly dry conditions continue over the Gulf this morning due to high pressure over the basin. Winds are mostly light to gentle with slight seas. Today the high will move east and southerly winds will return to the west with more easterly winds in the east. Tomorrow conditions will continue to be fairly benign with gentle to moderate southerly winds in the west and gentle easterly winds in the east. Seas will continue to be slight.

Day Three through Seven Weather Hazards

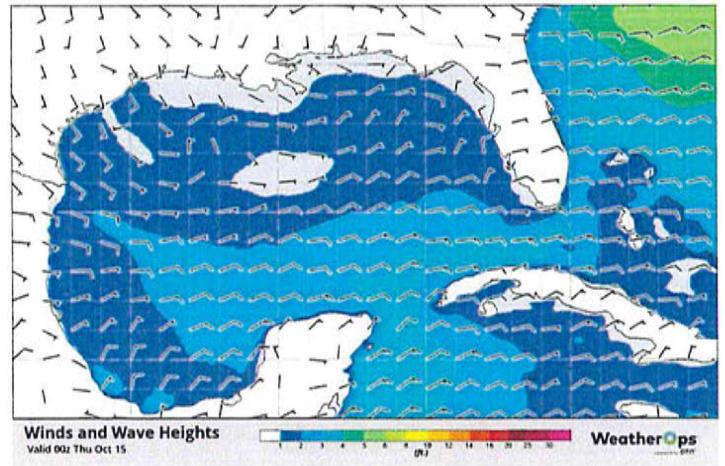
A cold front is expected to move southward into the Gulf Friday morning, and move through most of the basin by Saturday morning. The high pressure over the Gulf will shift westward, which should shift winds in most regions to NE ahead of the front but the front will increase these NE winds to fresh-strong speeds as it passes. High pressure behind it will be moving eastward, and Saturday will see fresh to strong NE winds in central and eastern sections with winds veering to E-SE at moderate speeds in the west. Seas should stay at moderate levels with this frontal passage, but near-rough conditions should be expected with higher winds. From Sunday into early next week, the high will continue to the east; wind speeds will increase to mostly moderate to fresh in central and eastern section and at moderate to fresh levels in the west. Seas could reach rough levels where winds are highest. Showers and thunderstorms are expected along and ahead of the front, and some could be heavy.



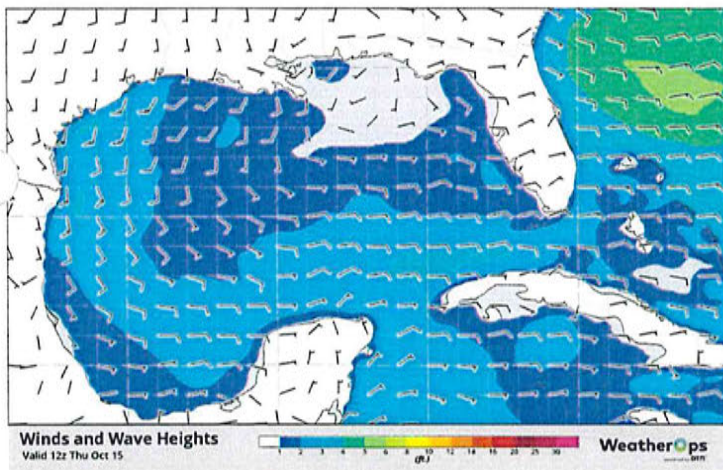
### This Morning's Winds and Seas



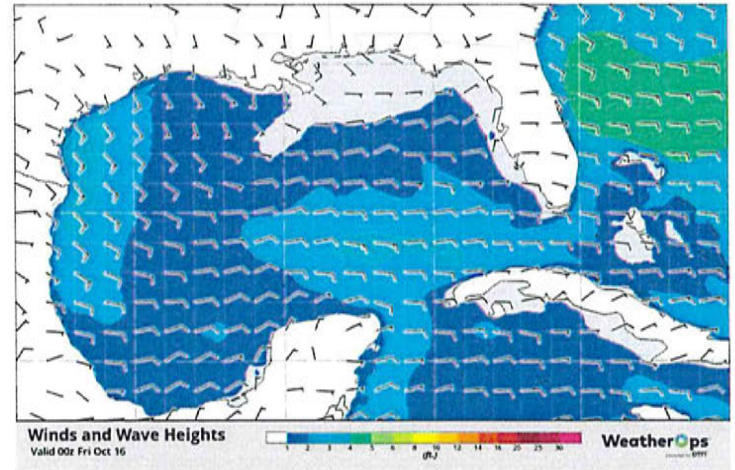
### This Evening's Winds and Seas



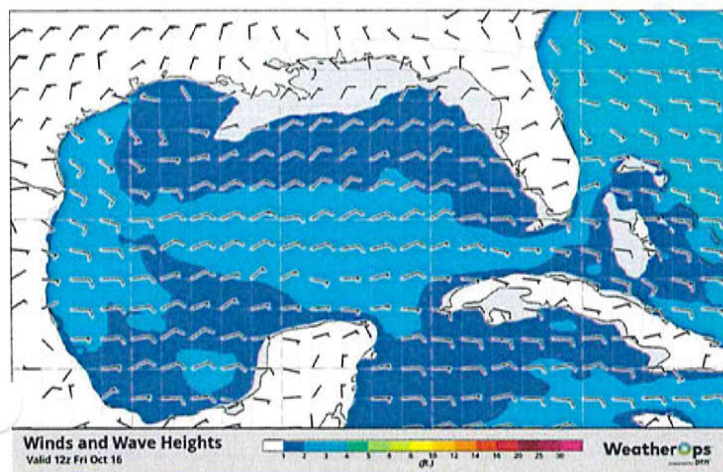
### Tomorrow Morning's Winds and Seas



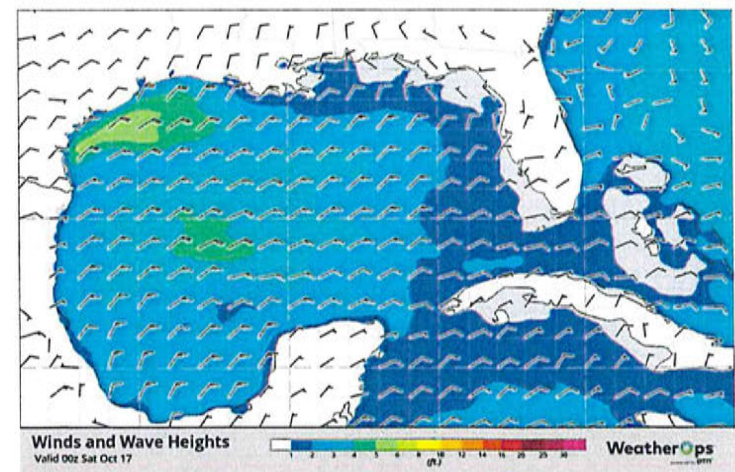
### Tomorrow Evening's Winds and Seas



### Day 3 Morning Winds and Seas

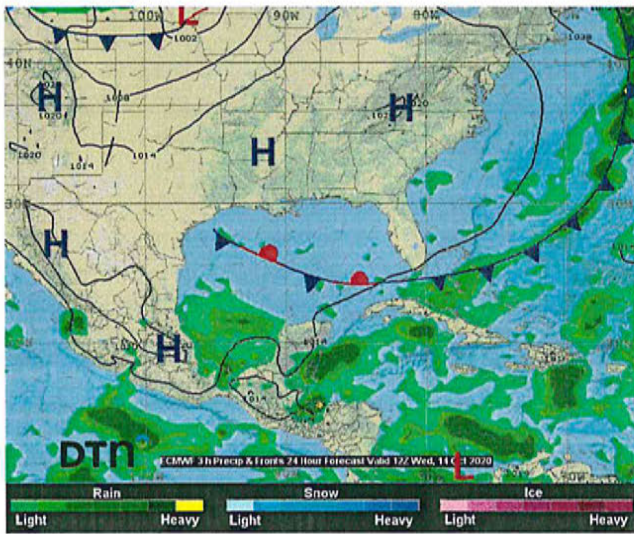


### Day 3 Evening Wind and Seas

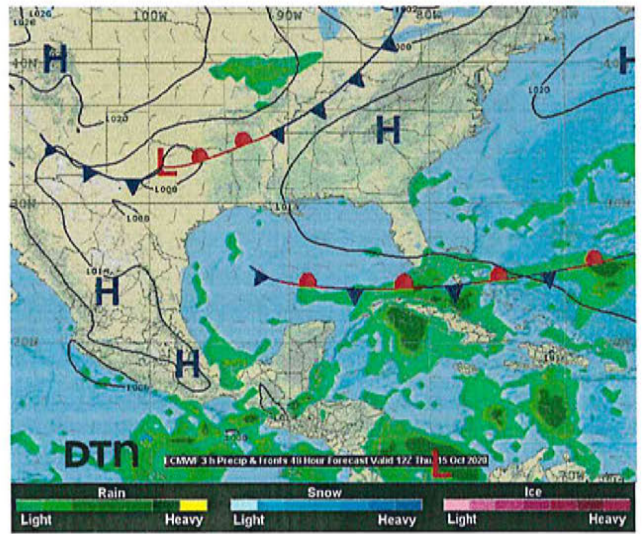




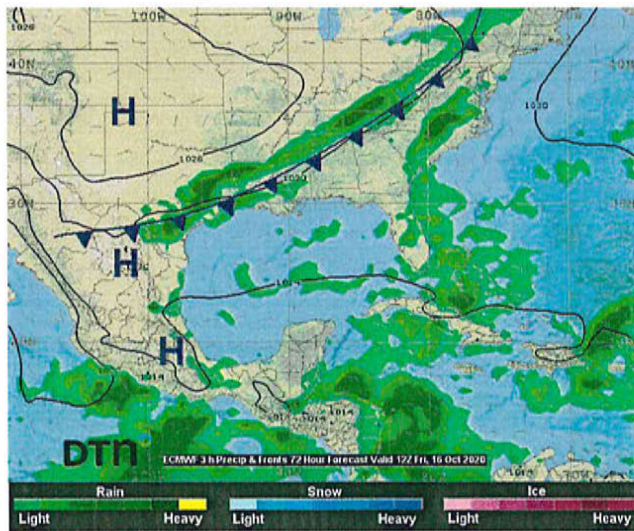
Day 1 Surface Chart



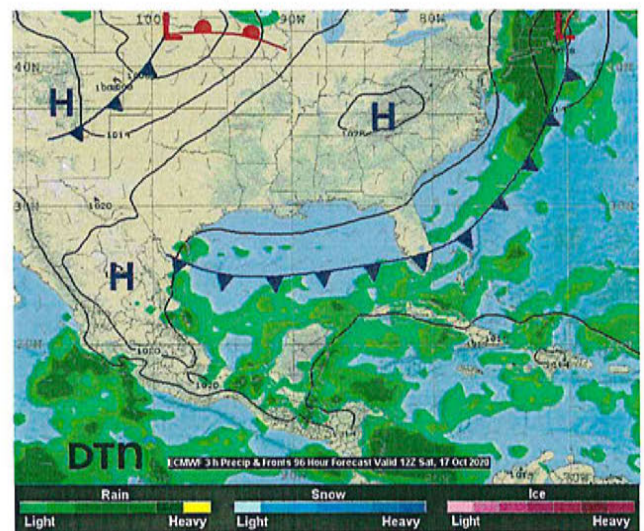
Day 2 Surface Chart



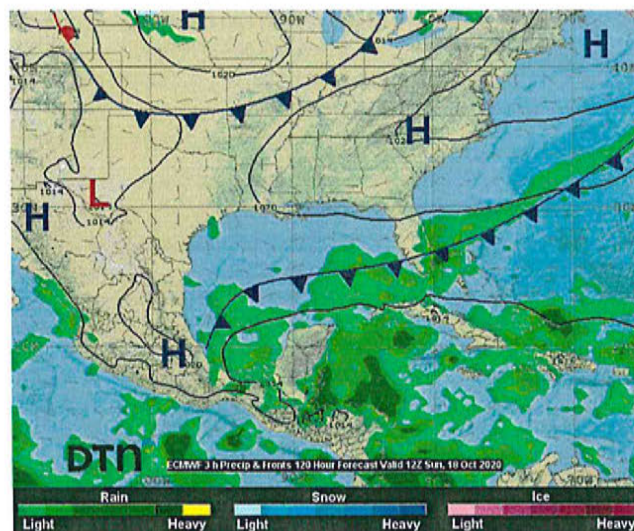
Day 3 Surface Chart



Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Daily Planner

Issued: Wednesday, October 14, 2020 at 06:00AM CDT

Teekay Marine Solutions				Pascagoula LZ			Position: 29.45 N 88.21 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Wednesday, October 14, 2020											Temperature (F): 78 / 73			
0600	NE	11	16	12	17	2	NNW	1	4	2	4	10.5		0%	0%
1200	E	5	7	5	8	0	NE	2	4	2	3	10.5		0%	0%
1800	ENE	3	5	3	5	0	NE	1	4	1	2	10.5		0%	0%
Valid	Thursday, October 15, 2020											Temperature (F): 79 / 75			
0000	SSE	7	10	8	11	0	ENE	1	3	1	2	10.5		0%	0%
0600	SSW	8	11	8	12	1	ESE	1	3	1	2	10.5		0%	0%
1200	WNW	3	5	3	6	0	SE	1	3	1	1	10.5		0%	0%
1800	SE	5	8	6	8	0	SE	1	3	1	1	10.5		5%	0%
Valid	Friday, October 16, 2020											Temperature (F): 78 / 73			
0000	SSE	4	6	5	7	0	SE	1	3	1	1	10.5		10%	0%
0600	N	4	6	4	6	0	SSE	0	3	0	1	10.5		20%	5%
1200	N	8	12	9	13	1	SSE	1	3	1	2	10.5		20%	0%
1800	NNE	10	13	10	14	1	ESE	1	4	1	2	10.5		5%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 75 / 68			
0000	NNE	22	29	24	31	5	SE	1	5	5	8	10.5		0%	0%
0600	NE	20	28	22	30	6	SW	0	4	6	11	10.5		0%	0%
1200	ENE	18	25	19	27	6	NW	0	3	6	10	10.5		0%	0%
1800	ENE	12	17	13	19	3	ENE	3	5	4	7	10.5		5%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 78 / 73			
0000	ESE	10	14	12	16	2	ENE	3	5	3	6	10.5		5%	0%
0600	E	9	12	10	14	1	ESE	2	5	2	4	10.5		20%	5%
1200	ENE	13	18	14	19	2	ESE	2	4	3	5	6.75		30%	20%
1800	E	16	22	18	24	4	ENE	1	3	4	7	9.25		25%	15%
Valid	Monday, October 19, 2020											Temperature (F): 79 / 76			
0000	ESE	13	19	14	20	3	ESE	3	6	4	8	10.5		35%	25%
0600	ESE	16	22	17	23	4	ESE	2	5	4	8	10.5		35%	35%
1200	E	18	26	21	28	5	SE	3	7	6	10	10.5		25%	20%
1800	E	17	24	19	26	4	SE	4	7	6	11	10.5		20%	10%
Valid	Tuesday, October 20, 2020											Temperature (F): 80 / 77			
0000	E	15	21	16	23	3	SE	4	7	5	10	8.75		25%	15%
0600	ESE	15	22	17	24	4	SE	4	7	5	10	7.75		30%	15%
1200	E	18	25	20	27	4	SE	4	7	6	10	7.5		30%	15%
1800	E	19	27	21	29	5	SE	4	7	6	11	10.0		20%	10%

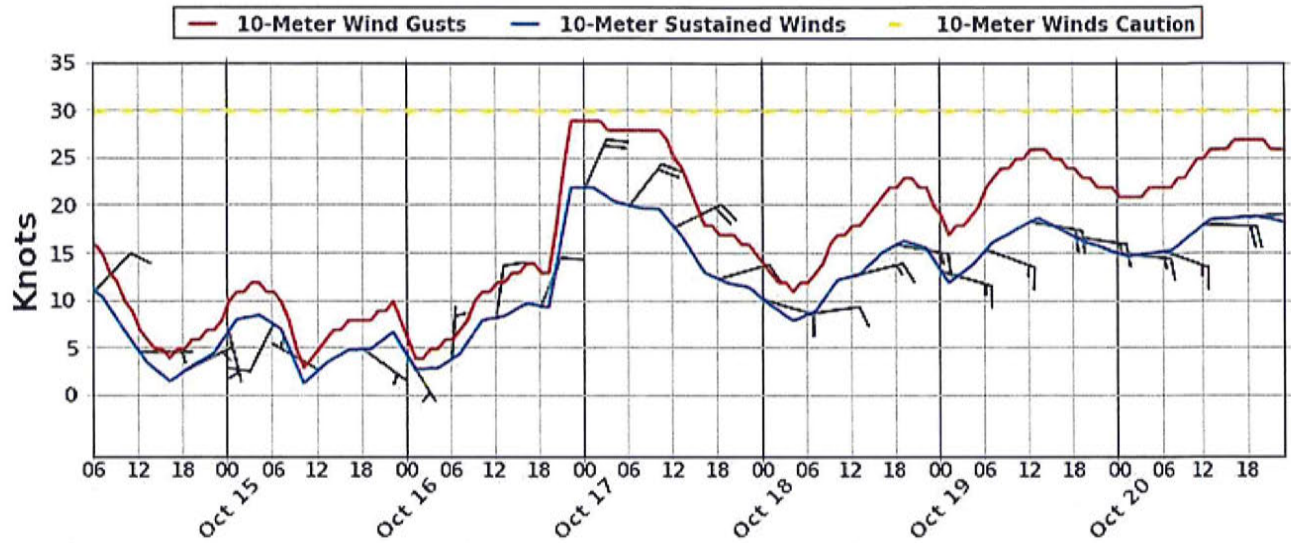
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

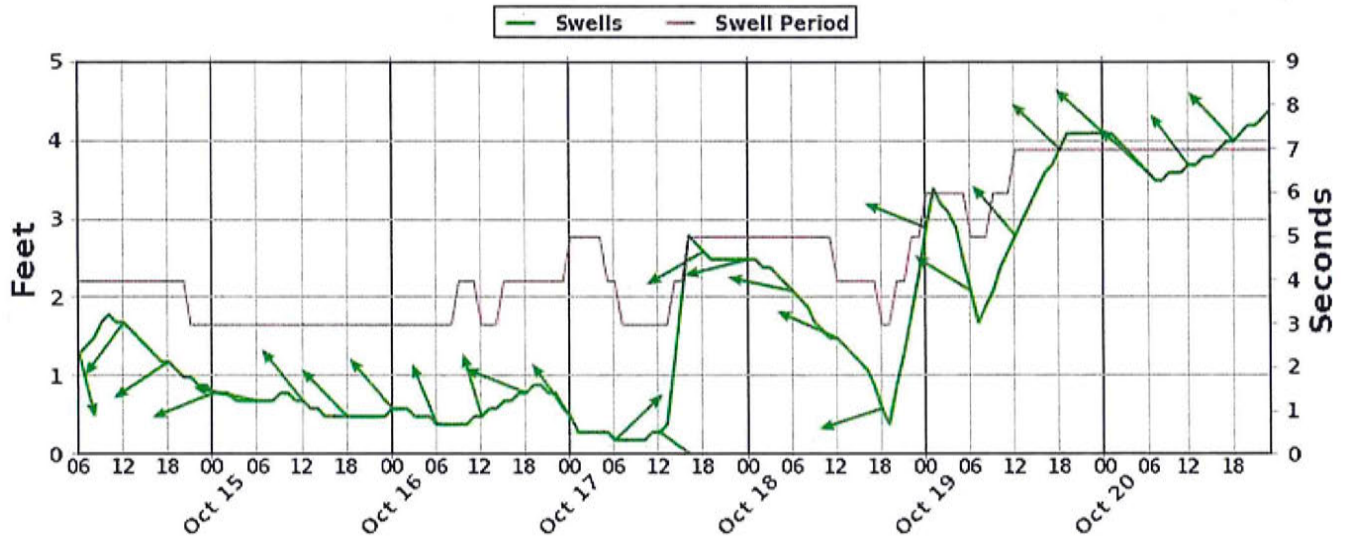
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



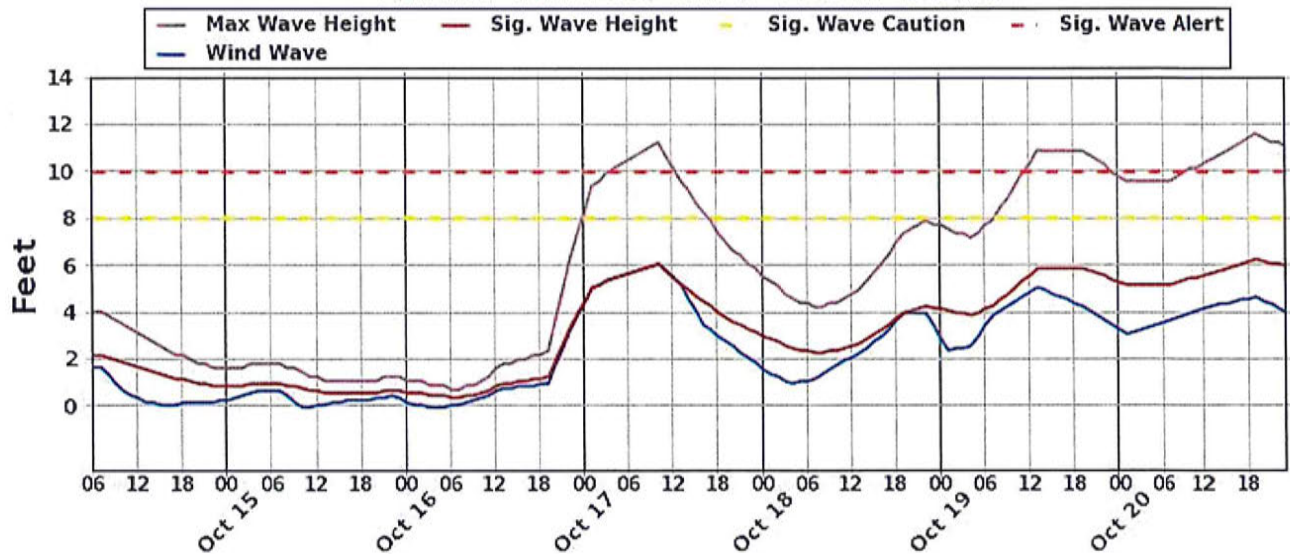
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Wednesday, October 14, 2020 at 06:00AM CDT

Teekay Marine Solutions				Sabine LZ			Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Wednesday, October 14, 2020										Temperature (F): 79 / 76				
0600	ENE	8	11	9	13	1	SE	1	4	1	2	10.5		0%	0%
1200	ESE	6	9	7	10	1	ENE	1	4	1	2	10.5		0%	0%
1800	SSE	3	5	3	6	0	E	1	4	1	2	10.5		0%	0%
Valid	Thursday, October 15, 2020										Temperature (F): 81 / 77				
0000	S	10	14	11	15	1	E	1	4	1	2	10.5		5%	0%
0600	SSW	12	17	14	18	2	SE	1	4	2	4	9.75		20%	15%
1200	SSW	11	16	13	17	1	S	2	4	2	4	8.25		30%	15%
1800	S	5	7	6	8	1	SSW	2	4	2	3	10.5		30%	10%
Valid	Friday, October 16, 2020										Temperature (F): 79 / 72				
0000	S	7	11	8	12	1	S	2	4	2	3	10.5		35%	20%
0600	SSW	5	8	5	8	1	S	2	4	2	3	3.0		65%	15%
1200	NNE	18	24	20	26	2	S	1	4	3	6	7.5		30%	0%
1800	NE	20	27	22	29	5	WNW	1	4	5	9	10.5		5%	0%
Valid	Saturday, October 17, 2020										Temperature (F): 78 / 72				
0000	NE	18	25	20	27	5	N	2	5	5	9	10.5		5%	0%
0600	ENE	13	19	15	21	4	NNE	2	5	4	8	10.5		5%	0%
1200	E	11	15	12	16	2	ENE	3	5	4	7	10.5		5%	0%
1800	ESE	11	15	12	16	2	E	3	6	4	6	10.5		5%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 76				
0000	SE	14	19	16	21	3	E	3	6	4	7	10.5		5%	0%
0600	SE	12	16	13	17	2	ESE	3	5	4	6	10.5		5%	0%
1200	SE	10	14	11	15	1	ESE	3	5	3	5	10.5		10%	0%
1800	ESE	14	19	15	21	3	ESE	1	4	3	5	10.5		5%	0%
Valid	Monday, October 19, 2020										Temperature (F): 81 / 78				
0000	SE	17	23	18	25	4	E	2	5	4	7	10.5		15%	10%
0600	SE	14	20	16	22	3	ESE	3	6	4	8	8.25		15%	10%
1200	SE	14	20	15	22	3	ESE	3	6	4	8	7.0		15%	5%
1800	ESE	15	21	17	23	4	ESE	3	6	5	8	9.5		15%	5%
Valid	Tuesday, October 20, 2020										Temperature (F): 80 / 77				
0000	SE	18	24	20	26	5	E	2	5	5	9	8.75		30%	20%
0600	ESE	15	22	17	24	4	ESE	4	7	5	9	7.25		40%	25%
1200	ESE	15	21	17	23	4	ESE	4	7	5	9	6.75		40%	20%
1800	ESE	16	22	17	24	4	SE	4	7	5	10	7.5		35%	20%

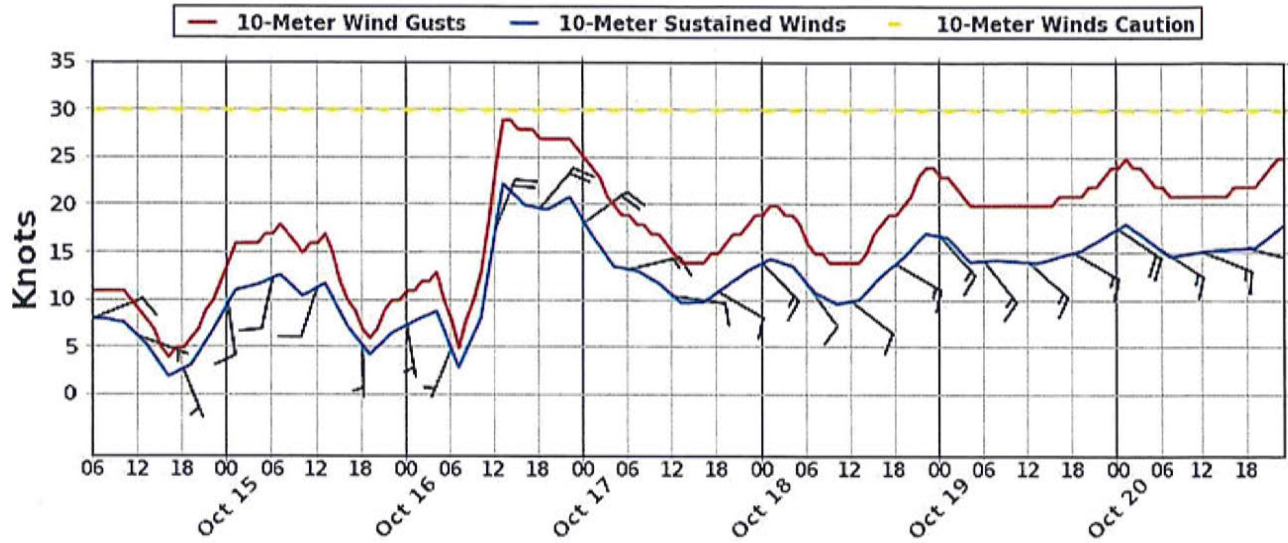
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

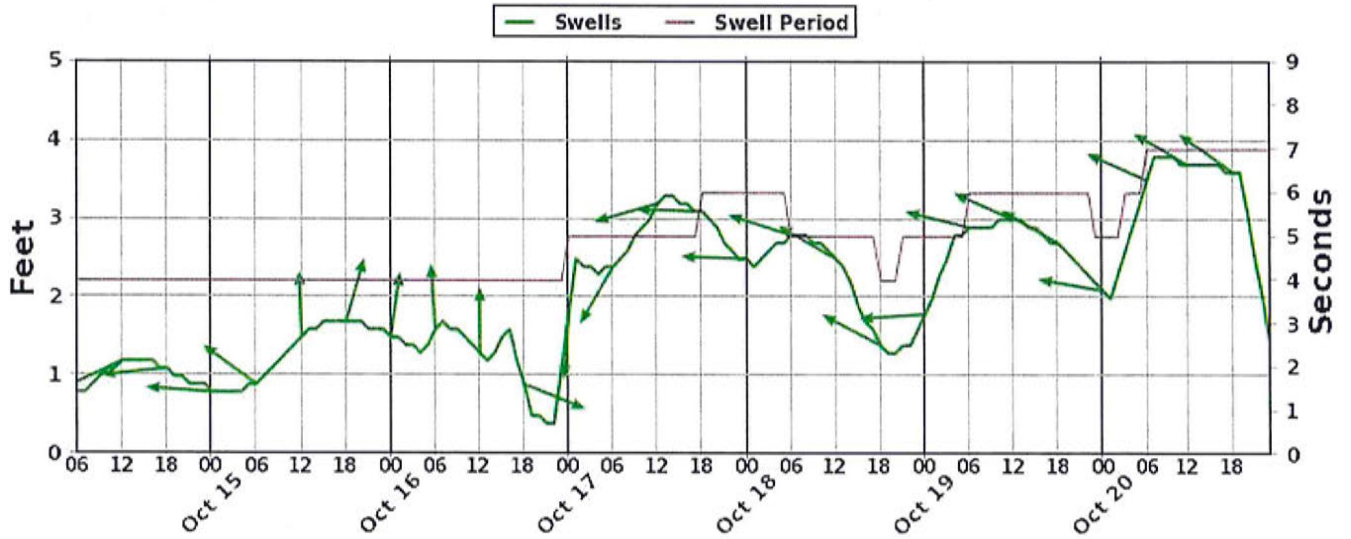
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



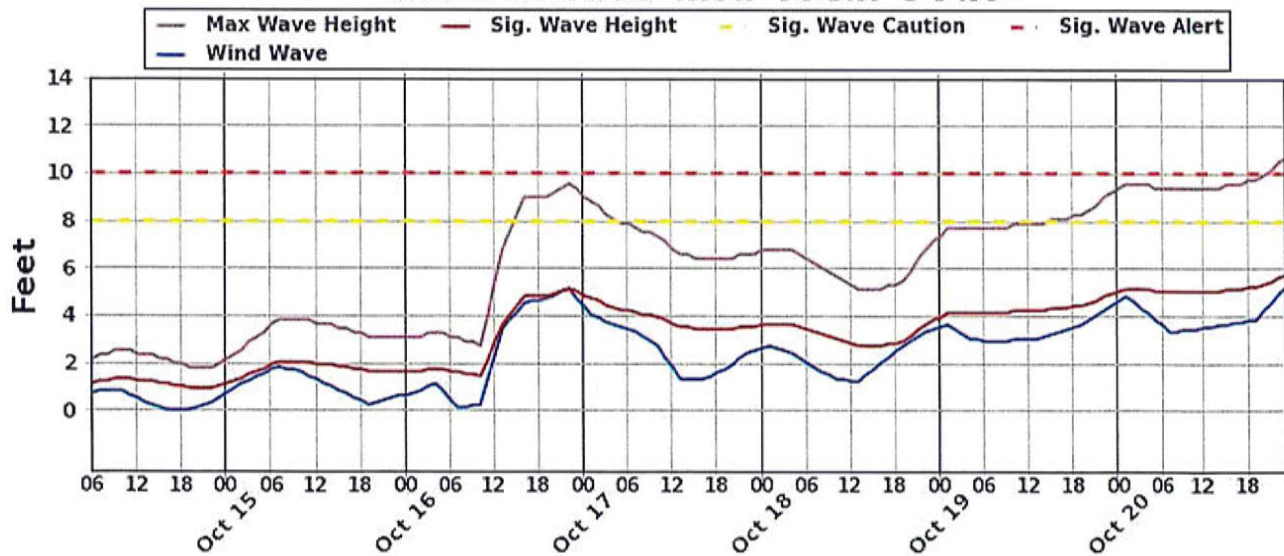
# CONFIDENTIAL WINTAS



## Swells



## Wind Waves and Total Seas





CONFIDENTIAL

**From:** [Graceanna Werner](#)  
**Sent:** Thursday, October 15, 2020 8:30 AM  
**Subject:** Daily Gulf Weather Forecast 15th October  
**Attachments:** Corpus\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201015T0600.pdf; Galveston\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201015T0600.pdf; Gulf\_of\_Mexico\_Planner\_10152020\_0600.pdf; Pascagoula\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201015T0600.pdf; Sabine\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201015T0600.pdf; SW\_Pass\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201015T0600.pdf

---

Good day all,

GOLA LZ/ Sabine LZ: Forecast shows forecast highs on the 16<sup>th</sup> AM – the 17<sup>th</sup> AM and on the 21<sup>st</sup> AM until forecast end.

Corpus LZ: Forecast shows intermittent forecast highs on the 16<sup>th</sup> PM until forecast end on the 21<sup>st</sup> PM.

Pasc LZ / SWPass LZ: Forecast shows intermittent forecast highs on the 16<sup>th</sup> PM until forecast end on the 21<sup>st</sup> PM.

The weather forecast ends Wednesday, October 21<sup>st</sup>.

We will continue to monitor accordingly.

Best regards,



**Graceanna Werner**  
Commercial Operations Coordinator  
Teekay Shipping (USA), Inc.

mobile [REDACTED]  
email [REDACTED]

BRINGING ENERGY TO THE WORLD

ATINA 000686



Daily Planner

Issued: Thursday, October 15, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Thursday, October 15, 2020											Temperature (F): 82 / 78			
0600	S	15	21	16	23	3	SE	2	4	3	6	10.5		0%	0%
1200	S	15	20	16	22	3	SE	2	4	3	6	10.5		0%	0%
1800	SSE	13	18	14	19	2	S	2	4	3	6	10.5		0%	0%
Valid	Friday, October 16, 2020											Temperature (F): 81 / 73			
0000	SE	13	18	15	19	2	S	2	4	3	5	10.5		40%	25%
0600	NNE	17	22	18	24	3	SSE	2	4	4	8	4.0		80%	35%
1200	NE	24	31	26	34	5	SSE	1	4	5	9	3.5		80%	10%
1800	NE	21	27	24	32	6	S	1	4	6	12	9.75		65%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 80 / 76			
0000	ENE	16	22	18	24	4	ENE	3	6	6	10	10.5		50%	0%
0600	ESE	10	15	12	16	2	ENE	4	6	5	8	9.25		40%	0%
1200	SE	10	14	11	15	2	ENE	3	6	4	7	4.75		40%	0%
1800	SE	13	17	14	18	2	E	3	6	4	7	8.5		15%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 81 / 77			
0000	SSE	16	23	18	25	3	E	3	6	4	8	10.25		10%	0%
0600	SSE	13	19	15	20	3	E	4	6	4	8	7.0		20%	10%
1200	SSE	12	17	13	18	2	ESE	4	6	4	8	8.0		25%	25%
1800	SE	15	21	17	23	3	E	3	6	4	8	5.0		10%	5%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 78			
0000	SE	18	25	20	27	4	E	3	6	5	9	5.0		35%	30%
0600	SE	15	21	17	23	4	E	4	6	5	10	7.5		45%	35%
1200	SE	14	20	16	21	3	ESE	4	6	5	9	6.75		30%	20%
1800	SE	16	23	18	25	4	E	3	6	5	8	10.0		25%	20%
Valid	Tuesday, October 20, 2020											Temperature (F): 81 / 77			
0000	SE	18	24	20	26	4	E	3	6	5	9	10.5		45%	40%
0600	SE	12	18	13	19	2	ESE	4	6	5	9	9.0		45%	45%
1200	SE	13	18	14	19	2	ESE	4	7	4	8	8.0		35%	35%
1800	ESE	15	21	17	22	3	ESE	3	7	4	8	10.0		25%	15%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 75			
0000	ESE	16	22	18	24	4	E	3	7	5	9	8.75		40%	25%
0600	ESE	12	17	13	18	2	ESE	5	7	5	10	8.0		45%	25%
1200	ESE	11	15	12	16	2	ESE	5	7	5	10	5.0		35%	20%
1800	E	17	23	18	25	5	ESE	3	7	6	10	2.0		20%	10%

Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.







Daily Planner

Issued: Thursday, October 15, 2020 at 06:00AM CDT

Teekay Marine Solutions				Galveston LZ			Position: 28.58 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Thursday, October 15, 2020											Temperature (F): 82 / 78			
0600	S	14	19	15	21	2	SE	1	4	2	4	10.5		0%	0%
1200	SSW	12	17	13	18	2	S	2	4	3	5	10.5		0%	0%
1800	SSE	6	9	7	9	1	S	2	4	2	4	10.5		0%	0%
Valid	Friday, October 16, 2020											Temperature (F): 82 / 72			
0000	SSE	10	14	11	15	1	SSW	2	4	2	4	10.5		30%	0%
0600	N	25	33	28	36	5	S	2	4	6	11	10.5		70%	0%
1200	NE	26	34	29	37	6	SSW	1	4	6	12	10.5		40%	0%
1800	NE	25	33	28	36	6	SSW	0	4	6	11	10.5		10%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 81 / 75			
0000	E	18	25	19	27	4	NE	2	5	5	9	10.5		5%	0%
0600	E	13	18	14	19	3	ENE	3	5	4	8	10.5		10%	0%
1200	ESE	14	20	16	21	3	ENE	3	6	4	8	10.5		15%	0%
1800	SE	14	19	15	21	3	E	3	6	4	8	10.5		10%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 82 / 78			
0000	SSE	15	22	17	24	3	E	3	6	4	8	9.75		5%	0%
0600	SSE	14	20	16	21	3	ESE	3	6	4	8	5.75		10%	5%
1200	SE	14	19	15	21	3	ESE	3	5	4	7	7.0		20%	10%
1800	SE	16	22	18	24	4	SE	2	5	4	8	9.5		10%	10%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 78			
0000	SE	15	21	17	23	3	ESE	3	5	4	8	10.5		25%	15%
0600	SE	13	19	15	20	3	ESE	3	6	4	8	10.5		30%	10%
1200	SE	12	17	13	18	2	ESE	3	6	4	7	10.5		35%	35%
1800	SE	14	19	15	20	2	ESE	3	6	4	8	10.5		30%	25%
Valid	Tuesday, October 20, 2020											Temperature (F): 82 / 78			
0000	SE	14	20	16	22	3	ESE	3	6	4	8	8.75		55%	50%
0600	SE	10	14	11	15	2	ESE	4	6	4	8	5.5		55%	55%
1200	ESE	10	14	11	15	1	ESE	4	6	4	8	7.5		40%	40%
1800	ESE	15	21	16	23	3	ESE	3	7	4	8	8.25		35%	20%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 77			
0000	ESE	19	25	21	28	5	ENE	1	5	6	11	7.0		35%	20%
0600	ESE	15	21	17	23	4	ESE	4	7	6	11	5.0		45%	25%
1200	ESE	16	23	18	25	4	SE	4	8	6	11	3.25		40%	25%
1800	ESE	15	21	16	23	4	ESE	5	8	6	11	4.5		30%	15%

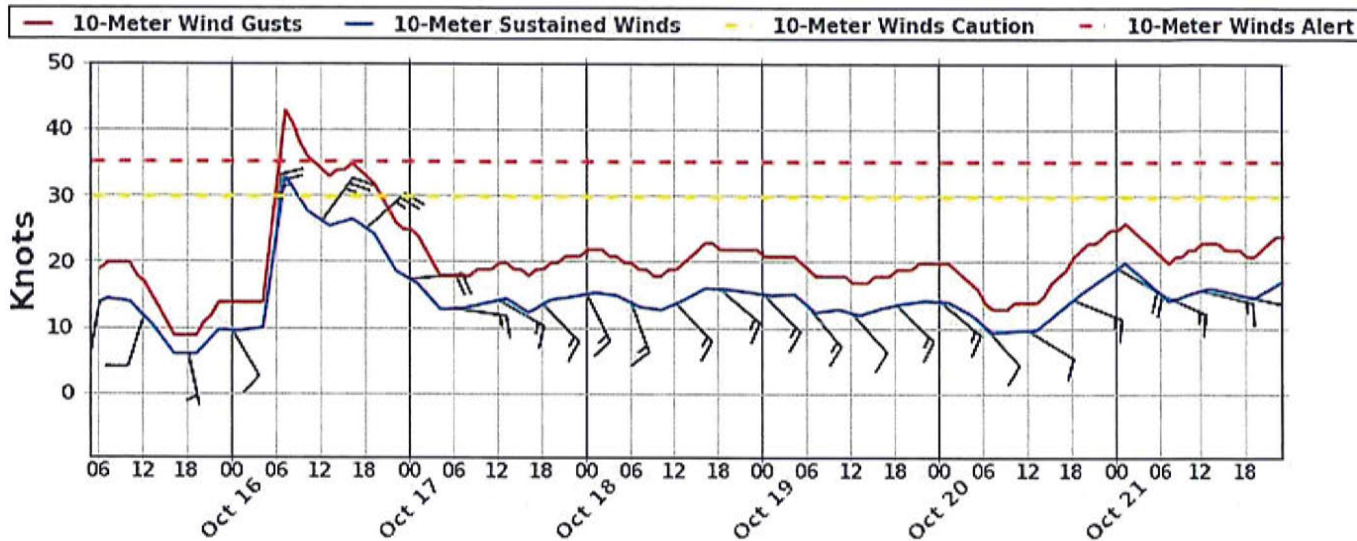
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

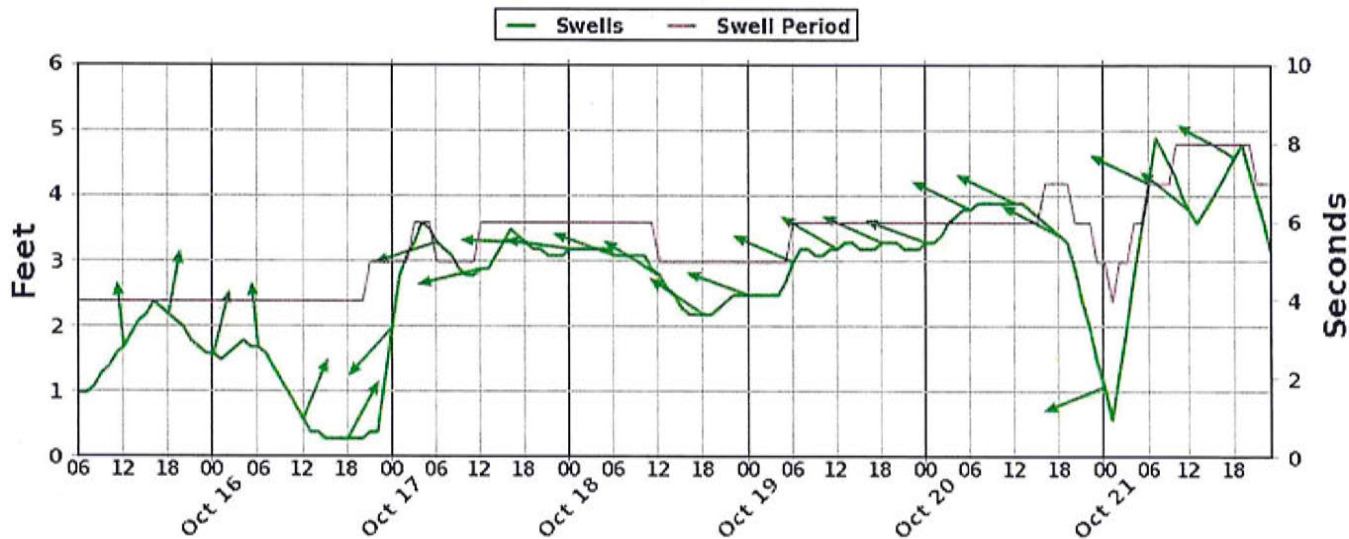
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



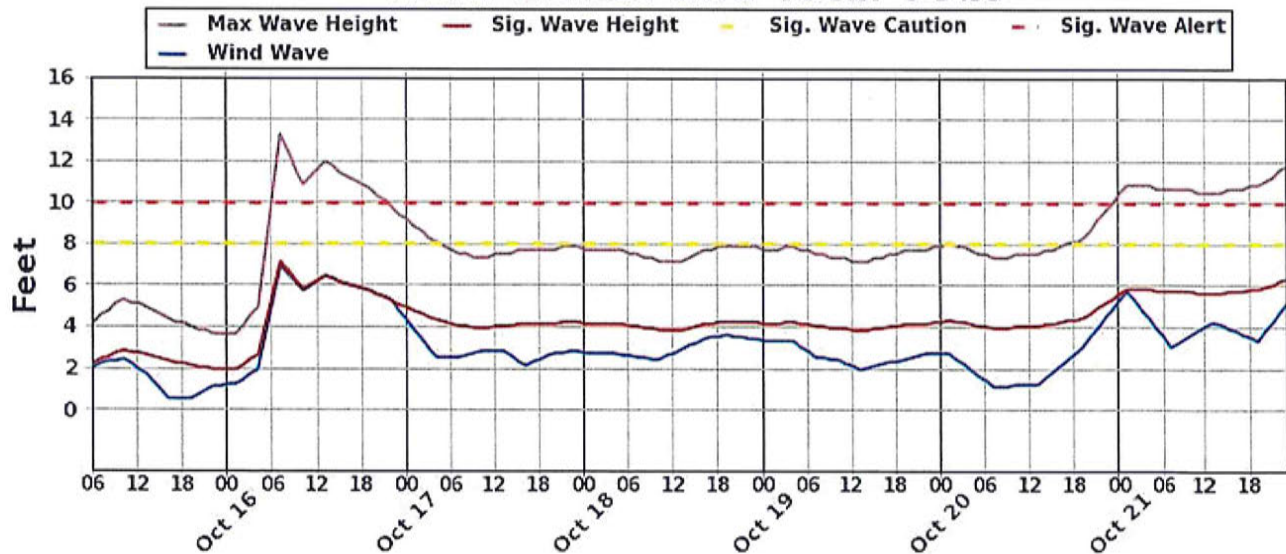
# CONFIDENTIAL WINDS



## Swells

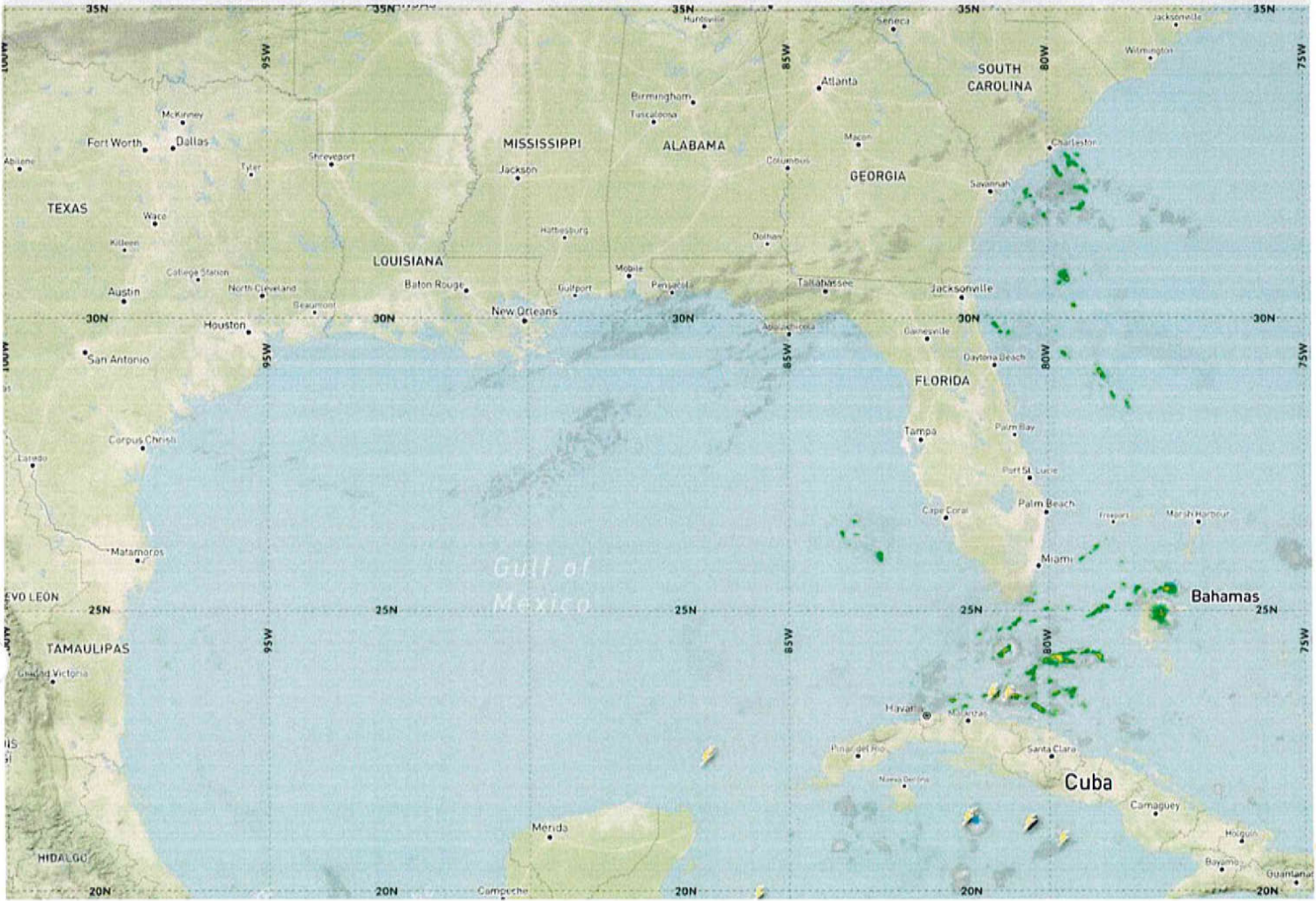


## Wind Waves and Total Seas





**Current Radar, Satellite, and Lightning**



**Today and Tomorrow's Weather**

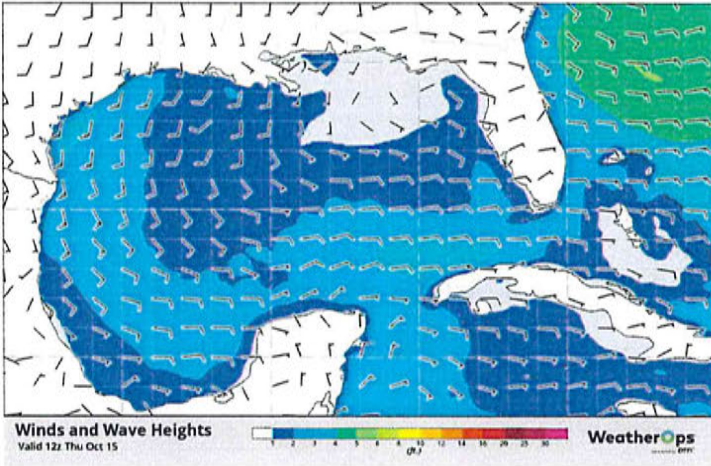
Throughout the day today, high pressure is forecast over the Gulf of Mexico leading to gentle to moderate breezes and slight seas. Very late Thursday and into Friday, a cold front is forecast to push in to the northwestern Gulf of Mexico with a strong high building to the northwest and north behind the front. Off the Texas and Louisiana Coast, a significant wind shift is forecast as winds between 25 to 30 knots are forecast behind the front with the wind shift occurring very late Thursday and into Friday morning. Off the Louisiana Delta, while winds are forecast to turn to the north, winds are forecast to turn to the north and then increase throughout the morning to near 25 knots. Moderate seas are forecast to remain throughout the Gulf of Mexico behind the front.

**Day Three through Seven Weather Hazards**

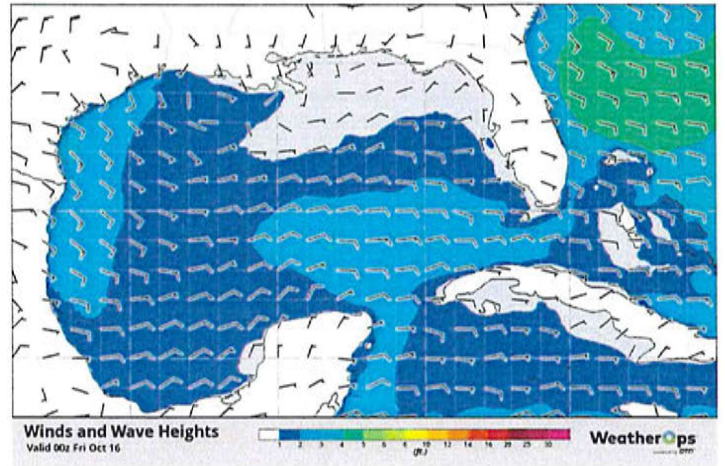
Into Saturday, high pressure to the northwest of the Gulf of Mexico on Friday will push to the east with winds turning from the northeast late Friday to more easterly into the afternoon hours on Saturday. Moderate to fresh easterlies to east-southeasterlies are forecast to continue through Sunday and into early next week as high pressure remains over the southeastern United States. Moderate seas are forecast to continue with the moderate to fresh breezes.



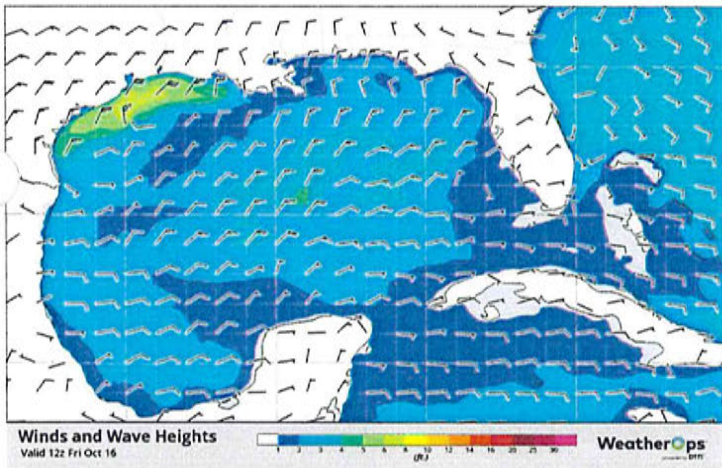
This Morning's Winds and Seas



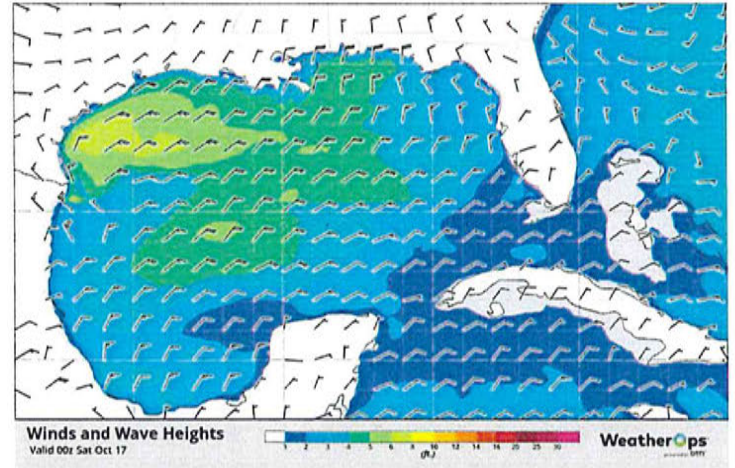
This Evening's Winds and Seas



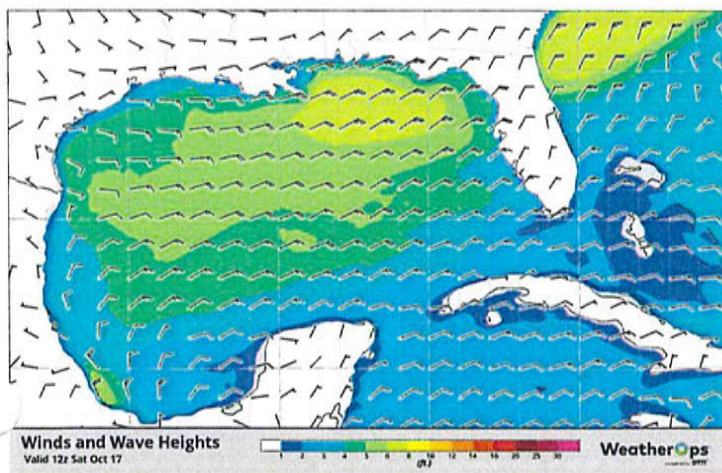
Tomorrow Morning's Winds and Seas



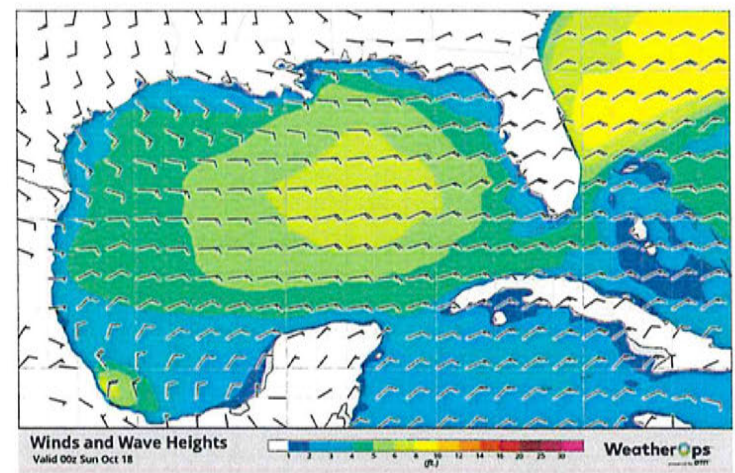
Tomorrow Evening's Winds and Seas



Day 3 Morning Winds and Seas

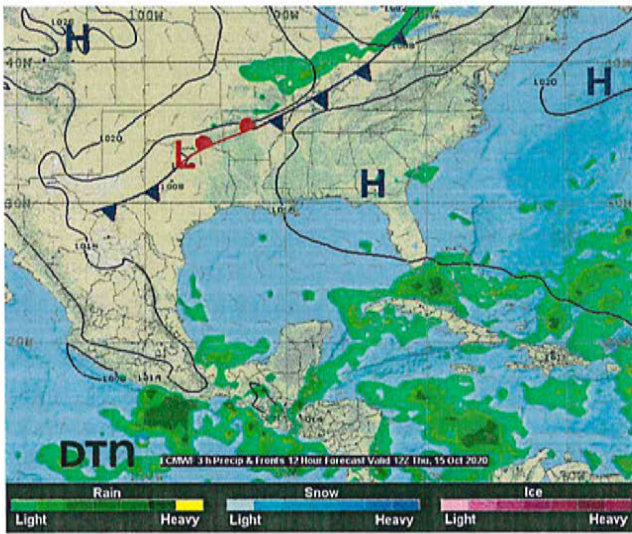


Day 3 Evening Wind and Seas

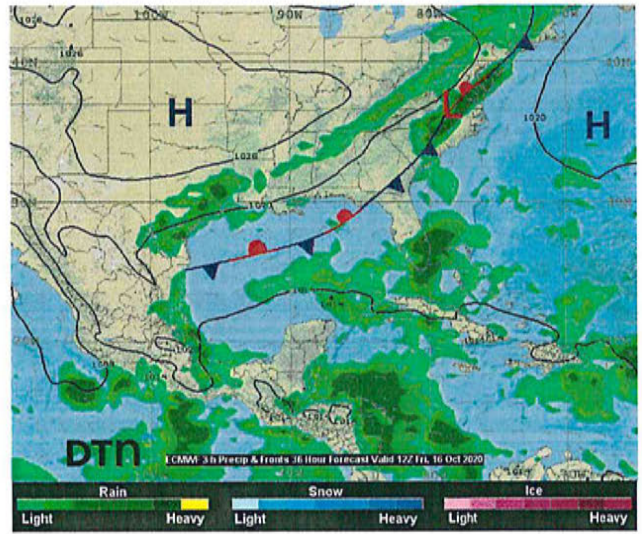




Day 1 Surface Chart



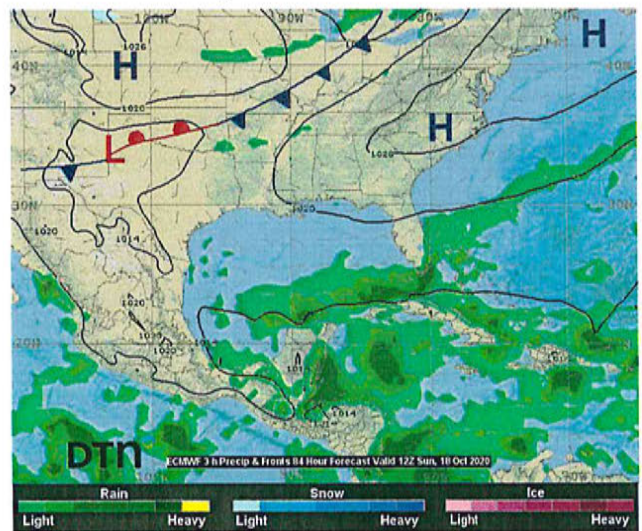
Day 2 Surface Chart



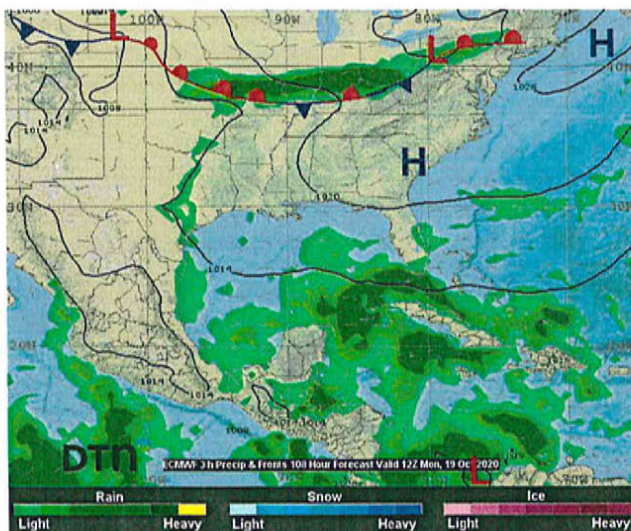
Day 3 Surface Chart



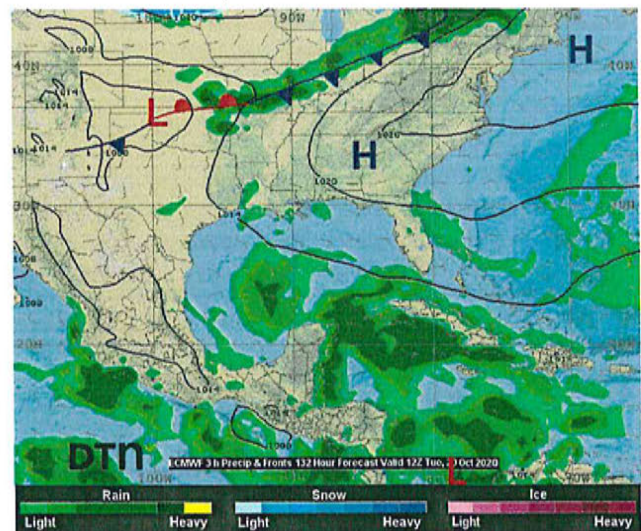
Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Daily Planner

Issued: Thursday, October 15, 2020 at 06:00AM CDT

Teekay Marine Solutions			Pascagoula LZ				Position: 29.45 N 88.21 W				Times: CDT (-05:00 UTC Offset)				
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST		50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB		
Valid	Thursday, October 15, 2020											Temperature (F): 79 / 76			
0600	SSW	8	11	8	12	1	ESE	1	3	1	2	10.5		10%	0%
1200	SSW	3	6	3	6	0	SSE	1	3	1	1	10.5		0%	0%
1800	W	1	3	2	3	0	S	1	3	1	1	10.5		0%	0%
Valid	Friday, October 16, 2020											Temperature (F): 78 / 72			
0000	SSW	4	7	5	7	0	S	1	3	1	1	10.5		5%	0%
0600	NNW	10	14	11	15	2	SSW	0	3	2	4	8.5		30%	0%
1200	NNE	18	24	21	26	4	SW	0	4	4	7	10.0		10%	0%
1800	N	21	28	23	30	4	NNW	1	4	5	8	10.5		0%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 76 / 69			
0000	NE	23	30	26	33	5	S	0	4	5	10	10.5		0%	0%
0600	NE	24	31	26	34	6	WNW	0	3	6	12	10.5		0%	0%
1200	ENE	20	28	22	30	7	NW	0	3	7	12	10.5		0%	0%
1800	E	15	21	16	23	4	ENE	3	6	5	10	10.5		5%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 79 / 75			
0000	ESE	14	20	16	21	3	E	3	6	4	8	10.5		5%	0%
0600	ESE	7	11	8	11	1	ESE	3	5	4	7	10.5		25%	10%
1200	E	13	18	15	20	3	SE	2	5	3	6	10.5		25%	10%
1800	E	14	20	16	21	3	ESE	3	6	4	8	10.5		25%	0%
Valid	Monday, October 19, 2020											Temperature (F): 80 / 76			
0000	E	14	19	16	21	3	ESE	3	6	4	8	10.5		40%	5%
0600	E	14	20	15	22	3	SE	3	6	4	7	9.0		55%	45%
1200	E	18	25	20	27	5	SE	2	6	5	9	10.0		45%	35%
1800	E	19	26	20	28	5	SE	3	7	6	10	10.5		25%	20%
Valid	Tuesday, October 20, 2020											Temperature (F): 80 / 77			
0000	E	15	20	16	22	3	SE	4	7	5	10	5.75		45%	40%
0600	ESE	18	25	20	27	5	SE	2	6	6	10	7.5		35%	35%
1200	ESE	19	26	20	28	5	SE	4	7	6	11	10.25		20%	15%
1800	E	19	27	21	29	5	SE	4	7	6	12	10.25		15%	10%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 77			
0000	ESE	21	27	23	29	6	SE	3	8	7	12	7.25		15%	10%
0600	ESE	21	27	23	30	6	SE	4	8	7	14	5.5		25%	15%
1200	E	20	28	22	30	6	SE	5	8	8	14	9.75		20%	10%
1800	E	19	26	20	28	5	SE	5	8	7	13	10.0		20%	10%

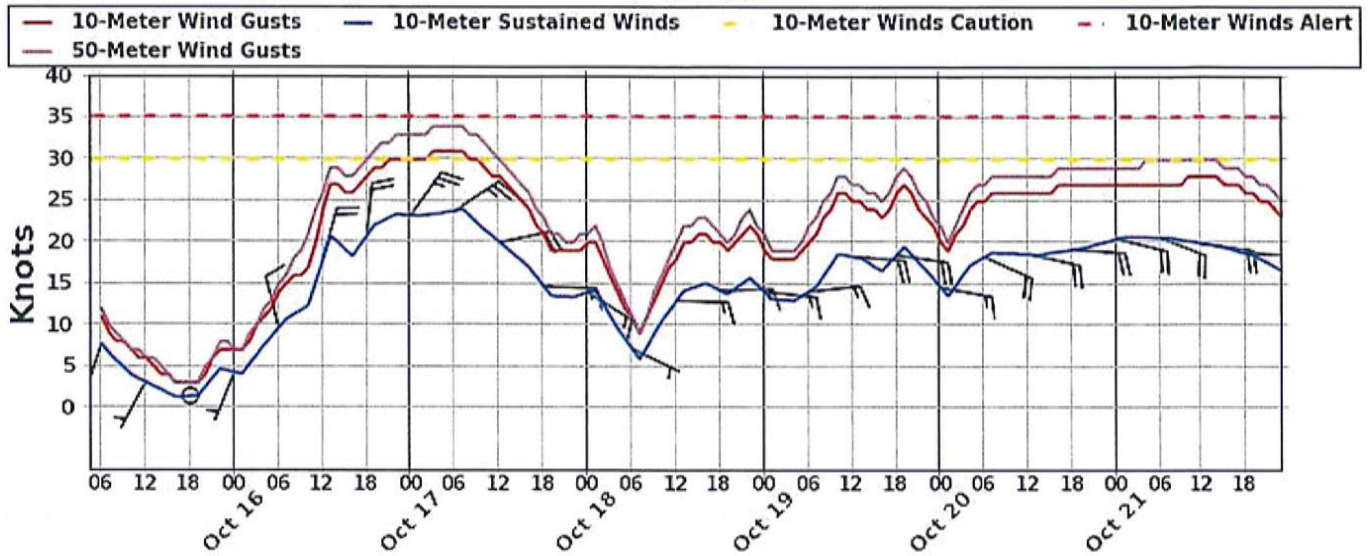
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

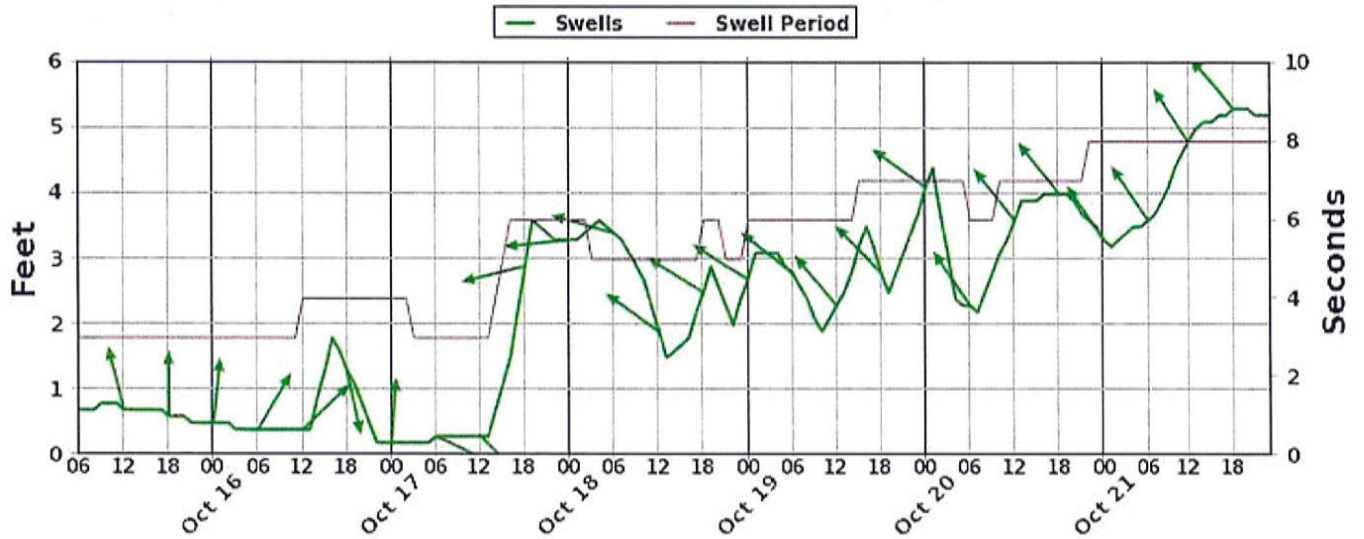
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



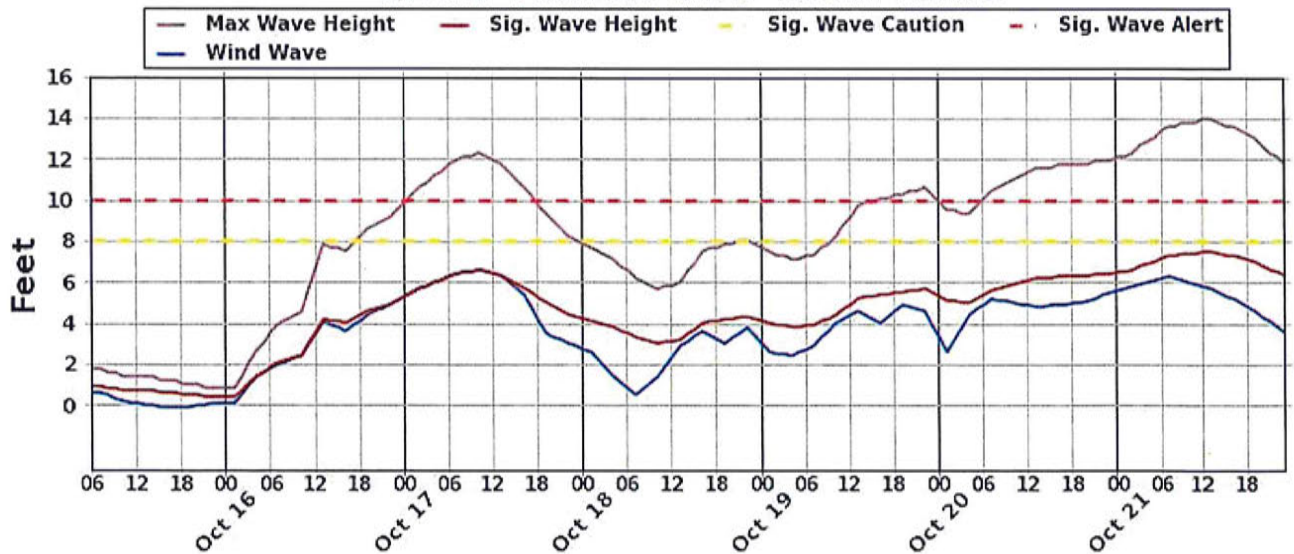
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Thursday, October 15, 2020 at 06:00AM CDT

Teekay Marine Solutions				Sabine LZ			Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Thursday, October 15, 2020											Temperature (F): 81 / 77			
0600	SSW	12	17	14	18	2	SE	1	4	2	4	10.5		0%	0%
1200	SSW	11	15	12	16	2	S	1	4	2	4	10.5		0%	0%
1800	S	5	8	6	8	0	SSW	2	4	2	4	10.5		0%	0%
Valid	Friday, October 16, 2020											Temperature (F): 80 / 72			
0000	SE	6	9	7	10	1	SSW	2	4	2	3	10.5		30%	10%
0600	NE	15	19	16	21	3	S	1	4	3	6	10.5		55%	5%
1200	NE	25	32	27	35	6	W	1	4	6	11	10.5		10%	0%
1800	NE	25	32	27	35	6	N	1	4	6	10	10.5		0%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 80 / 74			
0000	ENE	19	26	21	28	5	NW	1	4	5	9	10.5		5%	0%
0600	E	17	24	18	26	4	ENE	1	5	5	8	10.5		5%	0%
1200	ESE	15	21	16	23	4	ENE	2	5	5	9	10.5		5%	0%
1800	SE	12	17	14	18	2	E	4	6	4	8	10.5		5%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 81 / 78			
0000	SSE	14	19	15	20	2	E	3	6	4	7	10.5		5%	0%
0600	SSE	12	17	13	18	2	ESE	3	6	4	7	10.5		10%	5%
1200	ESE	14	19	15	21	3	SE	2	5	4	6	10.5		15%	5%
1800	SE	14	20	15	22	3	ESE	2	5	4	7	10.5		15%	0%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 78			
0000	SE	16	22	17	24	3	ESE	2	5	4	7	10.5		30%	15%
0600	SE	12	18	14	19	2	ESE	3	6	4	7	10.5		35%	30%
1200	SE	14	20	16	22	3	ESE	3	6	4	8	10.5		50%	40%
1800	ESE	12	16	13	17	2	ESE	4	6	4	8	10.5		35%	25%
Valid	Tuesday, October 20, 2020											Temperature (F): 81 / 78			
0000	SE	13	18	15	19	2	ESE	3	6	4	8	9.25		55%	55%
0600	SE	12	17	13	18	2	ESE	4	6	4	8	6.5		60%	60%
1200	SE	12	17	13	18	2	ESE	4	7	5	8	7.75		50%	50%
1800	ESE	16	23	17	25	4	SE	3	6	5	9	8.0		40%	25%
Valid	Wednesday, October 21, 2020											Temperature (F): 79 / 77			
0000	ESE	17	23	18	25	5	ESE	3	6	6	11	8.0		40%	25%
0600	ESE	16	21	17	23	4	ESE	5	7	6	11	5.0		40%	25%
1200	ESE	15	21	17	23	4	ESE	5	8	6	11	3.25		40%	25%
1800	ESE	18	25	20	27	6	SE	3	7	7	12	3.0		30%	20%

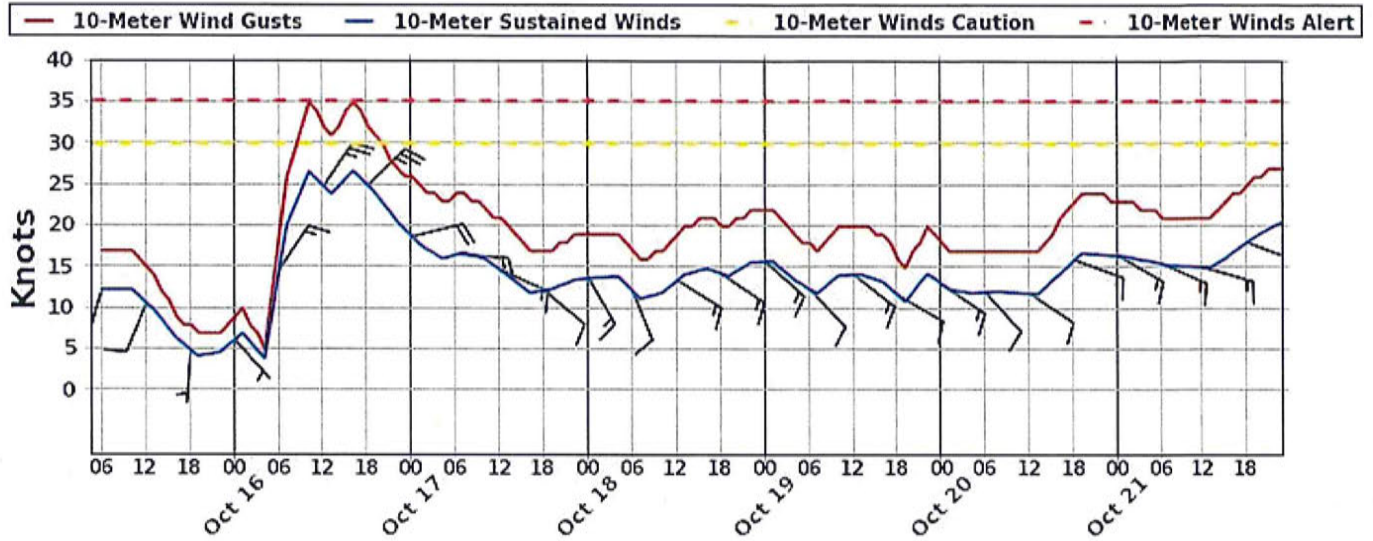
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

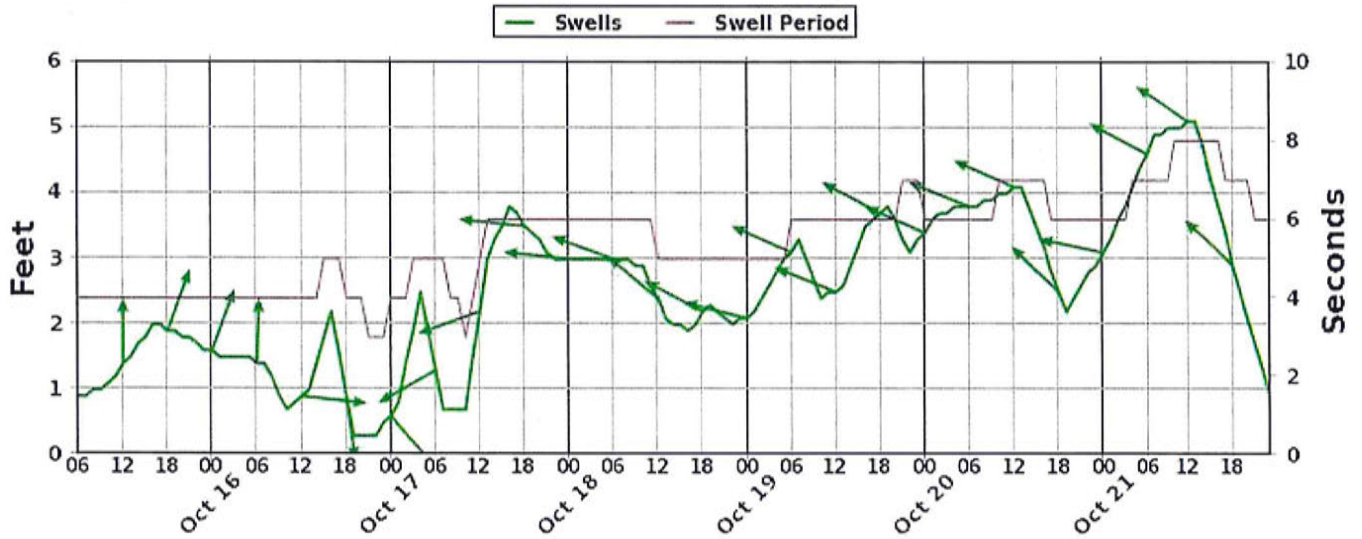
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



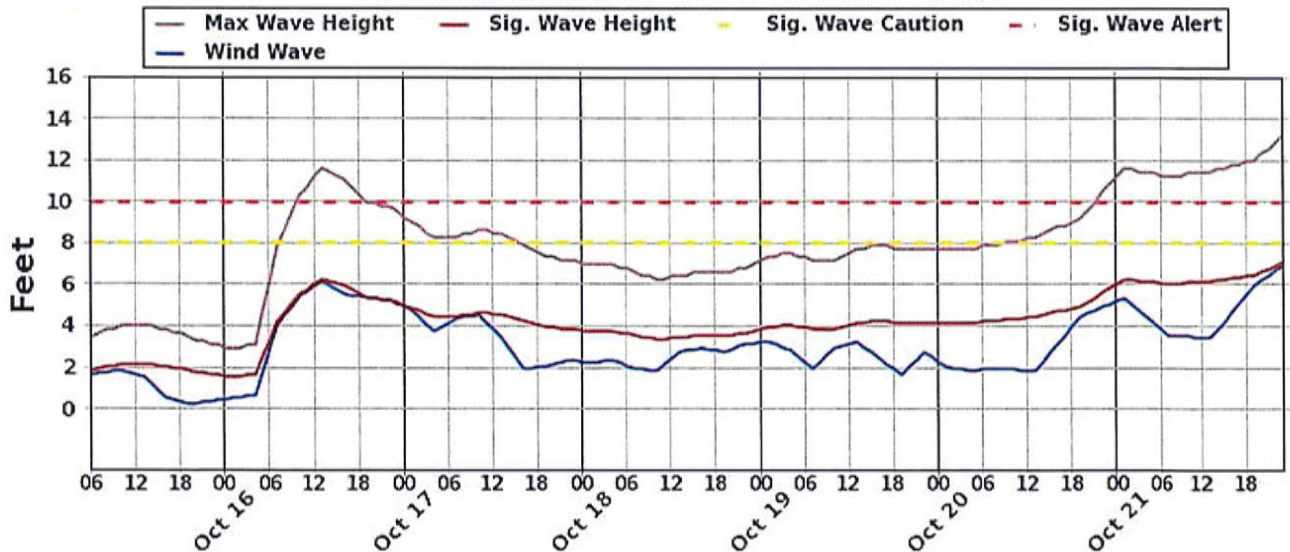
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Thursday, October 15, 2020 at 06:00AM CDT

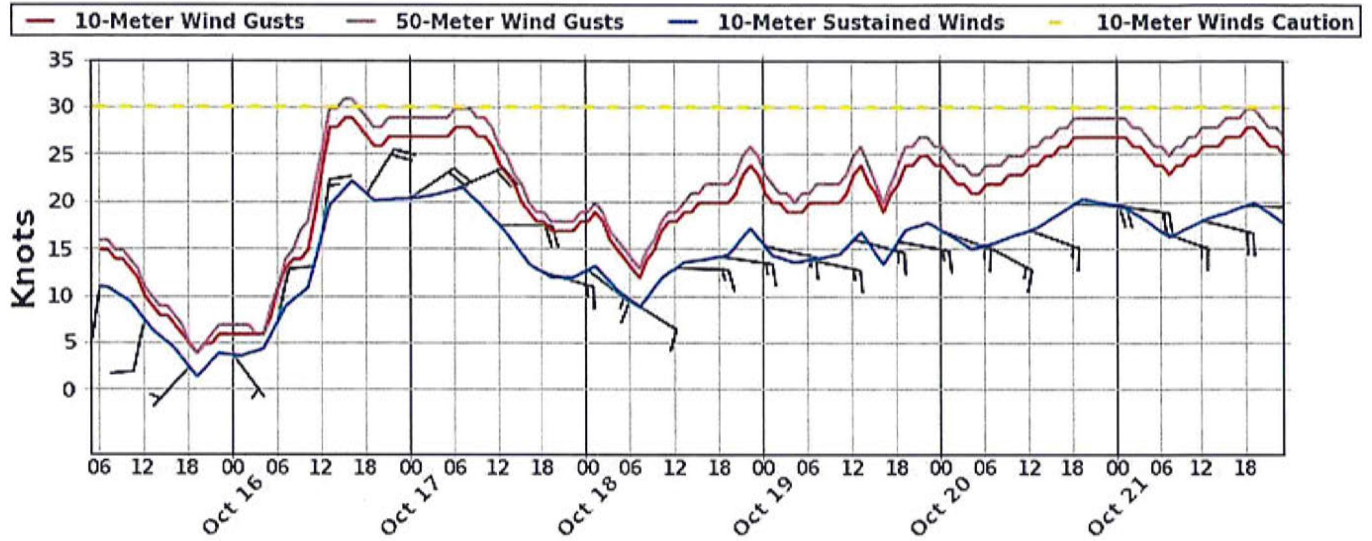
Teekay Marine Solutions				SW Pass LZ			Position: 28.31 N 90.54 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Thursday, October 15, 2020										Temperature (F): 81 / 77				
0600	S	11	15	12	16	1	ESE	1	3	2	3	10.5		5% 0%	
1200	SSW	8	10	8	11	1	S	1	3	2	3	10.5		0% 0%	
1800	SW	3	5	3	5	0	S	1	3	1	2	10.5		10% 0%	
Valid	Friday, October 16, 2020										Temperature (F): 79 / 74				
0000	SE	4	6	4	7	0	S	1	3	1	2	10.5		5% 0%	
0600	NNE	8	11	8	11	2	S	1	3	2	3	10.5		35% 5%	
1200	N	17	24	19	26	3	S	1	4	4	6	10.5		30% 0%	
1800	NNE	21	27	23	29	5	NNW	1	4	5	8	10.5		20% 0%	
Valid	Saturday, October 17, 2020										Temperature (F): 79 / 73				
0000	NE	21	27	23	29	5	W	0	3	5	9	10.5		5% 0%	
0600	ENE	21	28	24	30	6	WNW	0	3	6	10	10.5		0% 0%	
1200	E	18	24	19	26	5	NE	2	5	6	11	10.5		0% 0%	
1800	ESE	13	18	14	19	3	ENE	4	6	5	9	10.5		0% 0%	
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 77				
0000	SE	13	18	14	19	2	ENE	4	6	5	8	10.5		5% 0%	
0600	ESE	10	13	11	14	1	E	4	6	4	8	10.5		5% 0%	
1200	E	13	18	14	19	2	E	3	6	4	7	10.5		15% 5%	
1800	E	14	20	16	22	3	ESE	2	6	4	7	10.5		30% 20%	
Valid	Monday, October 19, 2020										Temperature (F): 81 / 77				
0000	ESE	15	21	17	23	4	ESE	2	6	5	9	10.5		30% 20%	
0600	ESE	14	20	16	21	3	ESE	4	7	5	9	8.0		50% 40%	
1200	ESE	16	23	18	25	4	ESE	3	6	5	9	2.5		55% 45%	
1800	E	16	22	18	24	4	ESE	3	7	5	10	5.0		50% 45%	
Valid	Tuesday, October 20, 2020										Temperature (F): 81 / 78				
0000	ESE	17	24	19	26	5	E	3	7	6	11	5.5		55% 50%	
0600	ESE	16	22	17	24	4	ESE	5	7	6	11	8.75		50% 50%	
1200	ESE	17	24	19	26	5	ESE	4	7	6	11	8.0		45% 45%	
1800	E	20	27	22	29	6	SE	4	7	7	12	8.0		40% 25%	
Valid	Wednesday, October 21, 2020										Temperature (F): 81 / 77				
0000	E	20	27	21	29	6	SE	4	8	7	13	8.0		30% 15%	
0600	ESE	17	24	19	26	5	SE	5	8	7	14	6.75		30% 15%	
1200	ESE	18	26	20	28	6	SE	5	8	7	14	6.0		30% 15%	
1800	E	20	28	22	30	6	SE	5	8	8	14	7.75		30% 15%	

Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

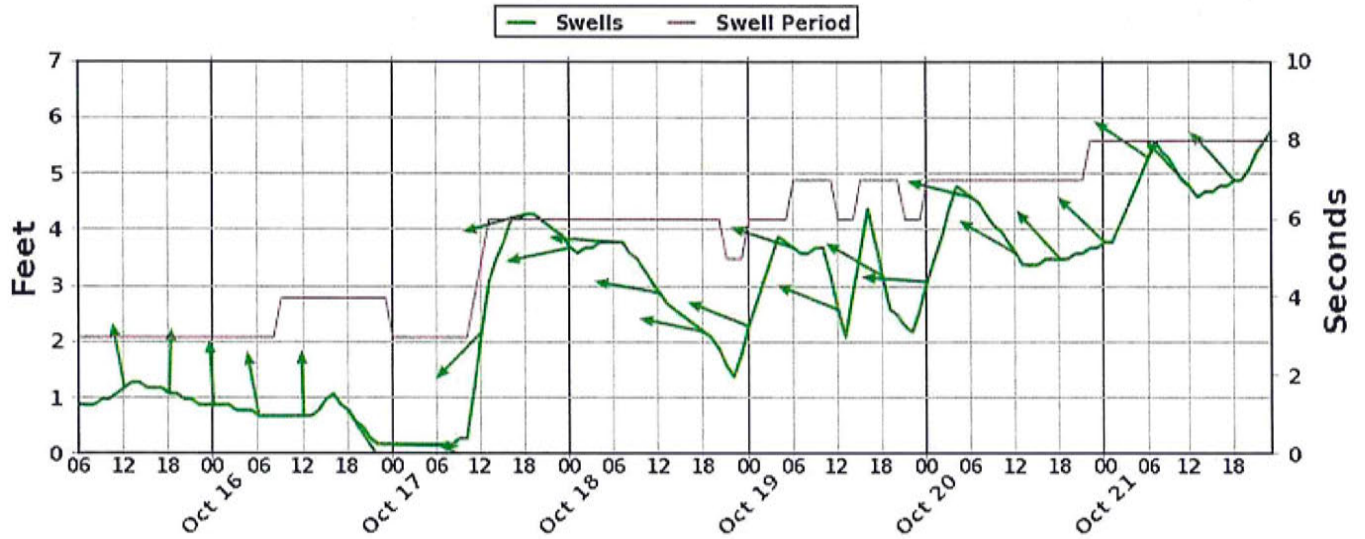
**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.

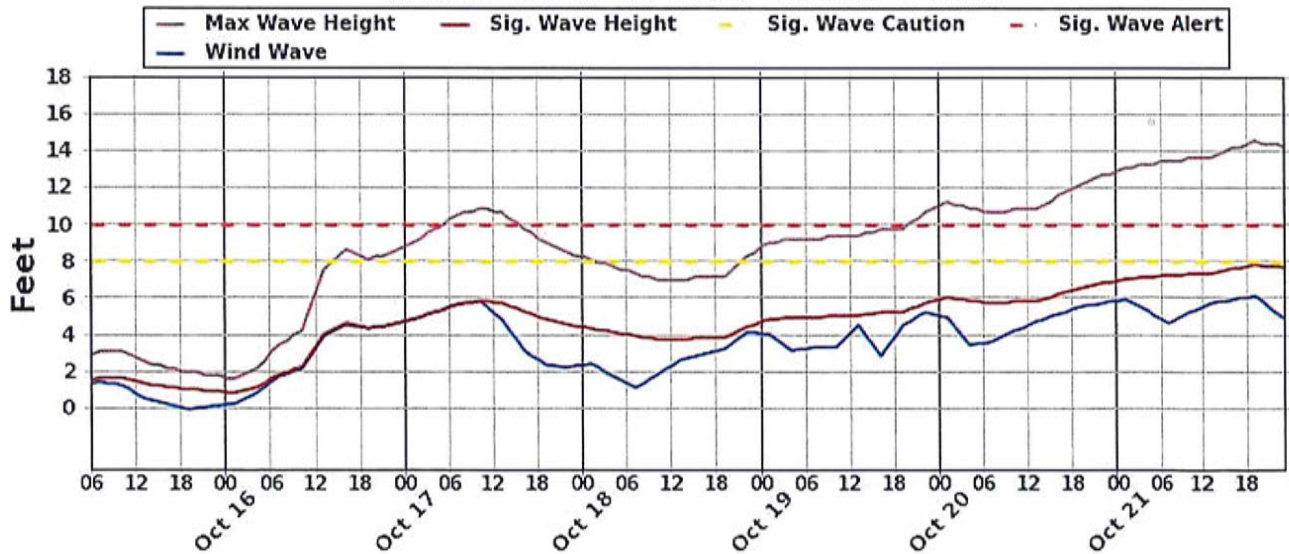




### Swells



### Wind Waves and Total Seas









Daily Planner

Issued: Friday, October 16, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Friday, October 16, 2020											Temperature (F): 81 / 71			
0600	NNE	12	17	13	18	1	SSE	2	4	2	4	1.25		95%	95%
1200	NNE	25	35	27	38	6	SSE	1	5	6	11	2.75		95%	20%
1800	NE	24	33	27	36	8	S	1	4	8	14	1.75		60%	5%
Valid	Saturday, October 17, 2020											Temperature (F): 81 / 75			
0000	ENE	18	25	20	27	5	NE	3	6	6	12	2.75		65%	5%
0600	SE	12	17	13	18	2	ENE	4	6	5	9	3.0		60%	5%
1200	SE	13	18	14	19	2	ENE	3	6	4	8	8.5		40%	0%
1800	SSE	12	17	13	18	2	E	3	6	4	7	10.5		0%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 82 / 78			
0000	SSE	17	24	19	26	3	E	3	6	4	8	10.5		15%	0%
0600	S	12	17	13	18	2	ESE	4	6	4	8	9.0		15%	5%
1200	SSE	11	16	13	17	2	ESE	3	6	4	7	6.25		35%	20%
1800	SE	15	21	16	22	3	E	3	6	4	7	7.0		30%	15%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 78			
0000	SSE	15	21	16	23	3	E	3	6	4	8	5.5		60%	60%
0600	SE	14	20	16	21	3	E	3	6	4	8	7.25		50%	40%
1200	SE	9	13	11	14	1	ESE	4	6	4	7	7.0		40%	30%
1800	ESE	13	19	15	20	2	ESE	3	6	4	7	10.25		20%	15%
Valid	Tuesday, October 20, 2020											Temperature (F): 81 / 77			
0000	ESE	15	20	16	22	3	E	3	6	4	7	10.5		30%	20%
0600	ESE	11	16	13	17	2	ESE	4	6	4	8	10.5		30%	25%
1200	E	9	12	9	13	1	ESE	4	6	4	7	10.5		35%	30%
1800	ESE	12	16	12	17	2	E	4	7	4	8	10.0		35%	25%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 77			
0000	ESE	16	22	17	24	4	E	4	7	5	9	9.25		60%	50%
0600	ESE	11	15	12	16	2	E	5	7	5	9	10.5		50%	50%
1200	E	10	14	11	15	1	ESE	5	7	5	9	10.5		35%	35%
1800	ENE	11	16	13	17	2	ESE	4	7	5	8	10.5		30%	20%
Valid	Thursday, October 22, 2020											Temperature (F): 80 / 76			
0000	E	10	14	11	15	2	E	5	7	5	9	9.5		45%	30%
0600	ENE	5	7	5	8	0	E	5	7	5	9	9.0		45%	25%
1200	NE	2	4	2	5	0	E	4	7	4	8	10.25		30%	20%
1800	E	5	7	5	8	0	E	4	7	4	8	10.5		15%	10%

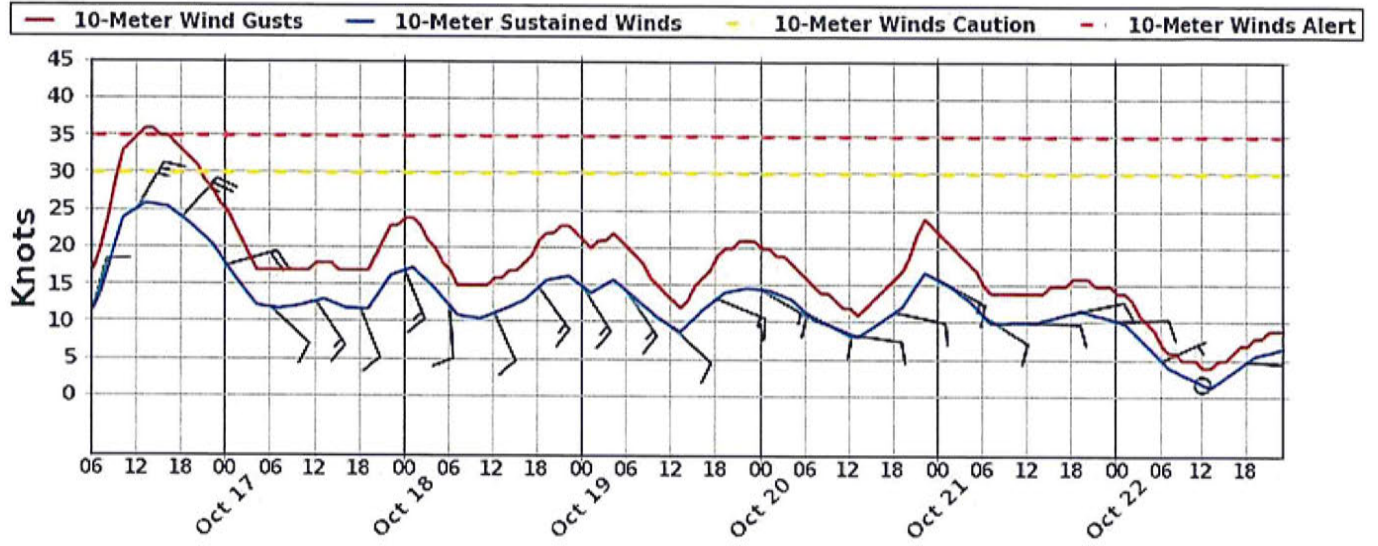
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

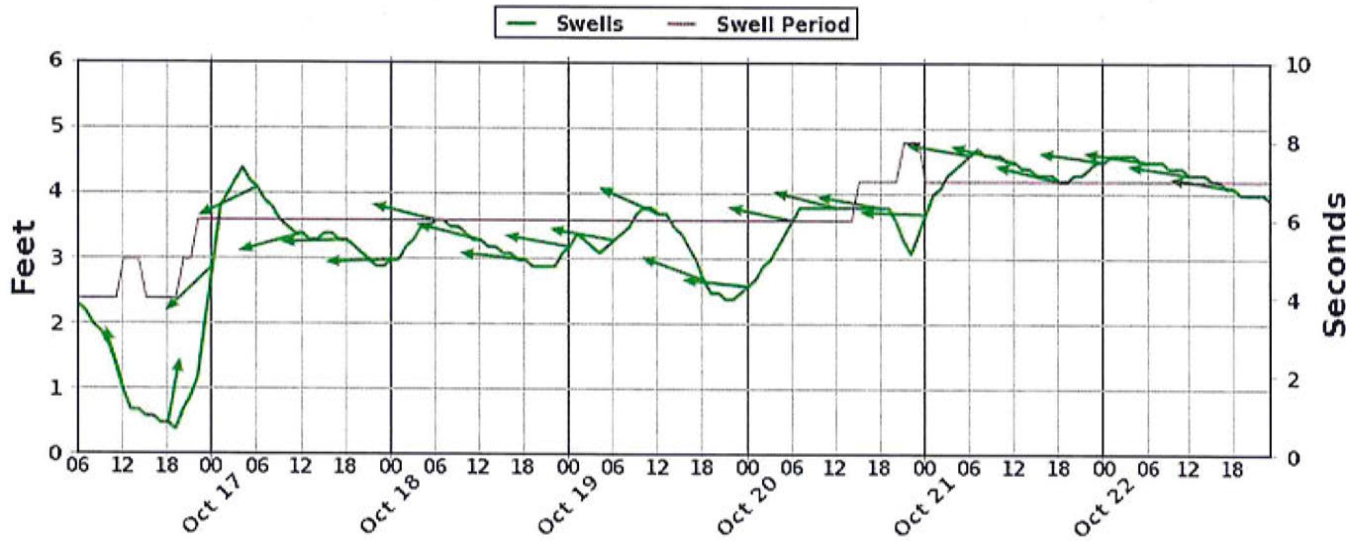
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



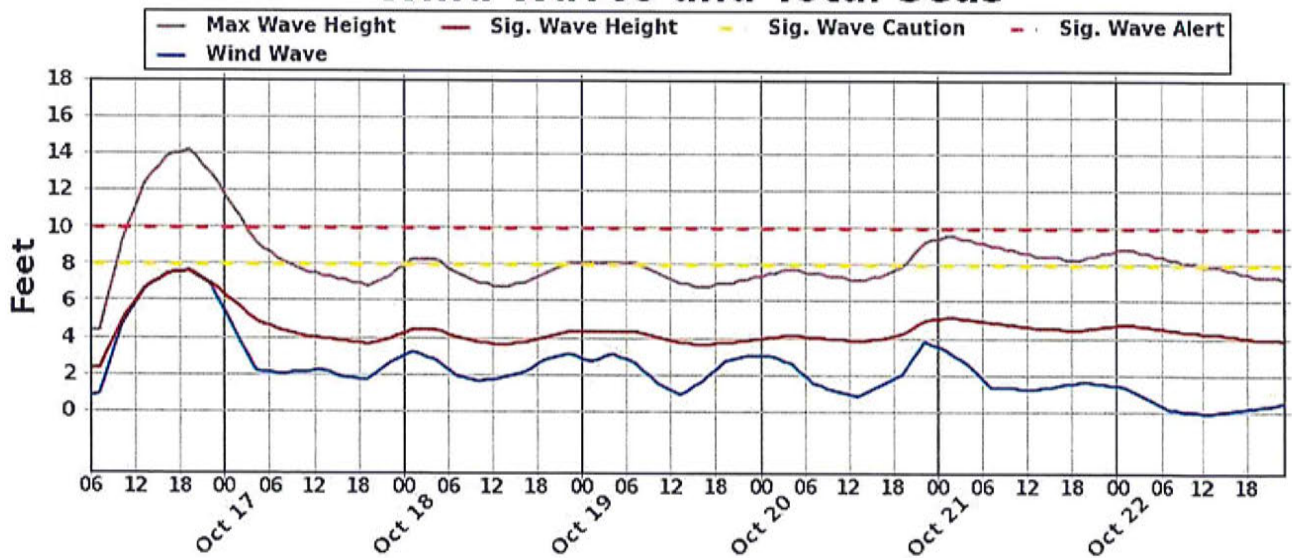
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Teekay Marine Solutions				Galveston LZ			Position: 28.56 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Friday, October 16, 2020										Temperature (F): 82 / 71				
0600	NE	11	17	12	18	1	S	2	4	2	4	0.75		95%	25%
1200	NE	26	36	28	39	7	SSW	1	5	7	13	10.5		65%	0%
1800	NE	23	31	25	34	7	SSW	0	4	7	13	10.5		5%	0%
Valid	Saturday, October 17, 2020										Temperature (F): 81 / 74				
0000	E	19	26	20	28	5	NE	2	5	6	11	10.5		10%	0%
0600	ESE	13	19	15	20	3	ENE	3	6	4	8	10.5		10%	0%
1200	SE	13	18	14	19	2	E	3	6	4	7	10.5		5%	0%
1800	SSE	12	17	14	18	2	E	3	6	4	6	10.5		0%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 82 / 77				
0000	SSE	17	23	18	25	3	E	3	6	4	8	9.0		10%	10%
0600	SSE	14	19	15	21	3	ESE	3	6	4	8	6.0		25%	25%
1200	SSE	13	19	15	20	3	ESE	3	6	4	8	4.0		15%	5%
1800	SE	15	21	17	23	3	ESE	3	5	4	7	6.0		10%	5%
Valid	Monday, October 19, 2020										Temperature (F): 82 / 78				
0000	SE	15	21	17	23	3	ESE	3	5	4	8	6.25		30%	20%
0600	SE	13	18	14	19	2	ESE	3	5	4	7	10.5		15%	10%
1200	ESE	10	14	12	15	1	SE	3	5	4	6	10.5		25%	15%
1800	ESE	12	17	14	18	2	SE	3	6	4	6	10.5		25%	15%
Valid	Tuesday, October 20, 2020										Temperature (F): 81 / 76				
0000	ESE	14	20	16	22	3	ESE	3	6	4	7	10.0		40%	35%
0600	ESE	11	15	12	16	2	ESE	4	6	4	8	8.75		65%	65%
1200	ESE	13	19	14	20	3	ESE	3	7	5	8	7.0		60%	60%
1800	ESE	12	17	13	18	2	ESE	4	7	5	9	5.0		45%	35%
Valid	Wednesday, October 21, 2020										Temperature (F): 81 / 77				
0000	ESE	15	21	17	23	3	ESE	4	7	5	9	10.25		50%	45%
0600	ESE	13	18	14	19	3	ESE	4	7	5	9	8.75		50%	50%
1200	E	12	17	13	18	2	ESE	4	7	5	9	5.25		45%	45%
1800	E	16	23	18	25	4	ESE	3	8	5	10	4.0		35%	20%
Valid	Thursday, October 22, 2020										Temperature (F): 81 / 77				
0000	ESE	11	15	12	16	2	ESE	5	7	5	9	7.25		40%	25%
0600	ESE	8	11	9	12	1	ESE	5	7	5	9	8.0		45%	25%
1200	SE	4	7	5	8	0	ESE	5	7	5	8	7.5		35%	20%
1800	ESE	6	9	7	10	1	ESE	4	7	4	8	7.0		25%	15%

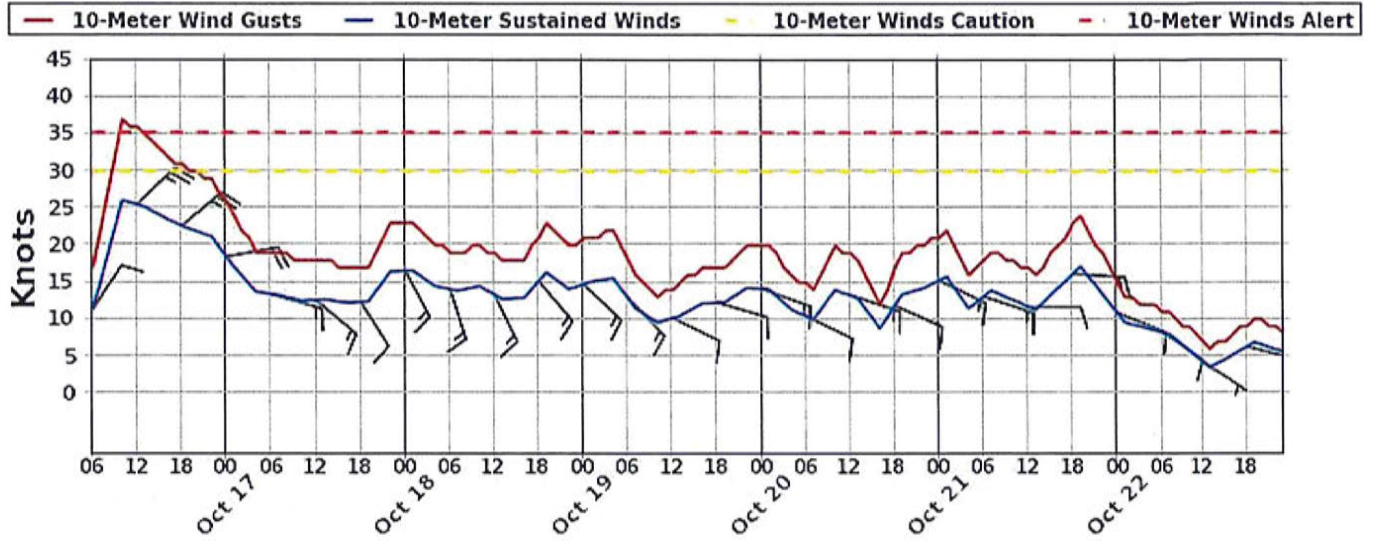
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

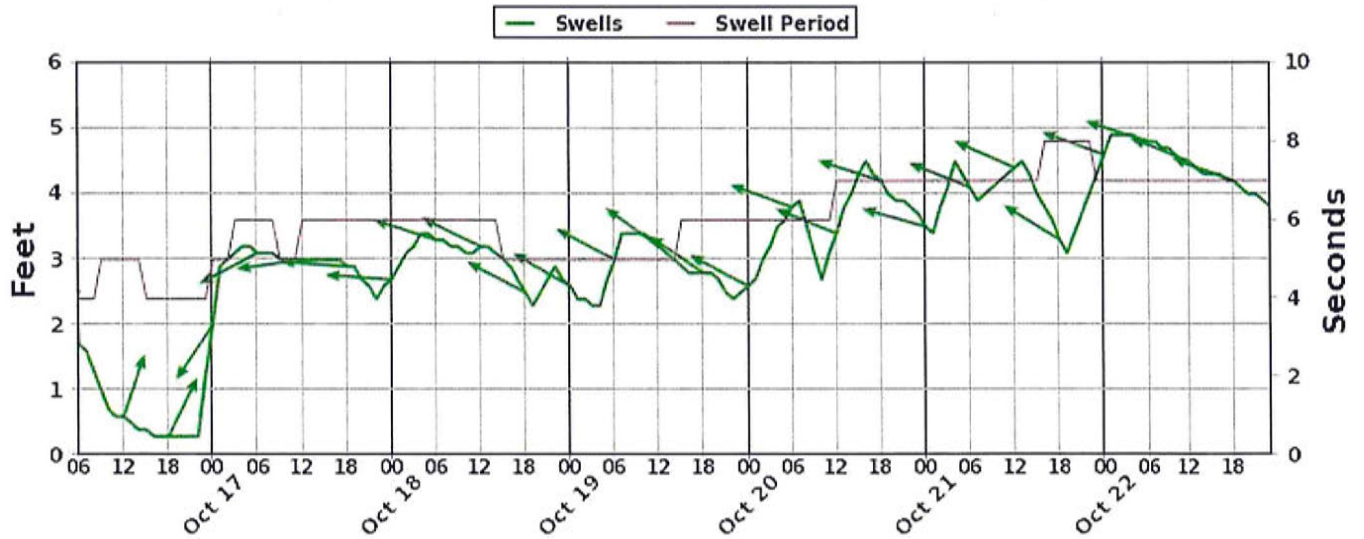
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



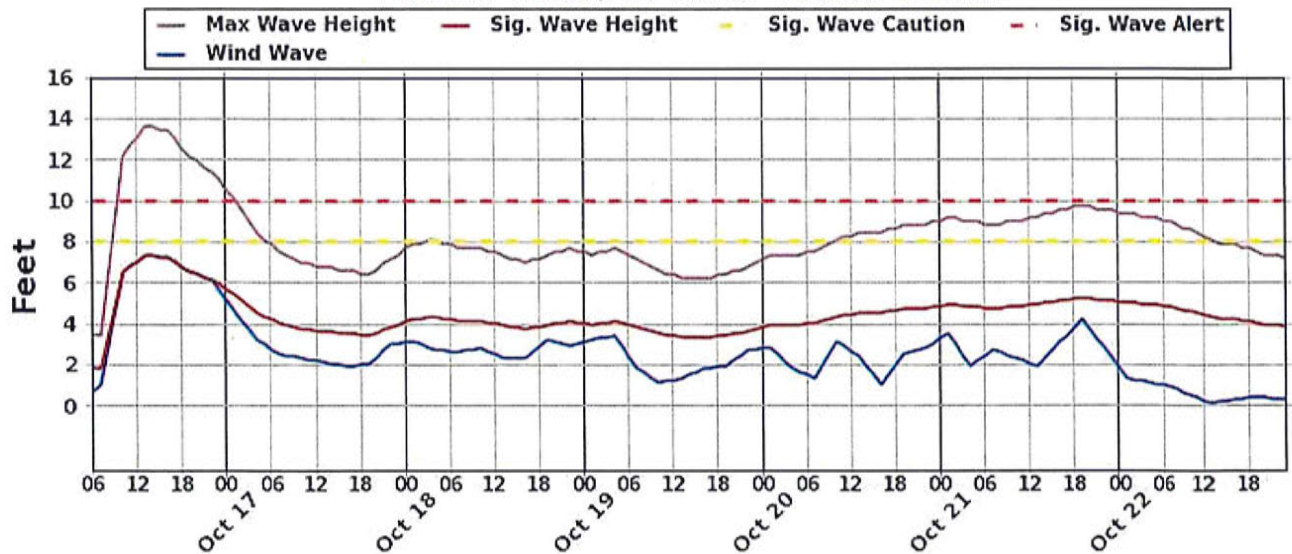
# CONFIDENTIAL WINDS



## Swells

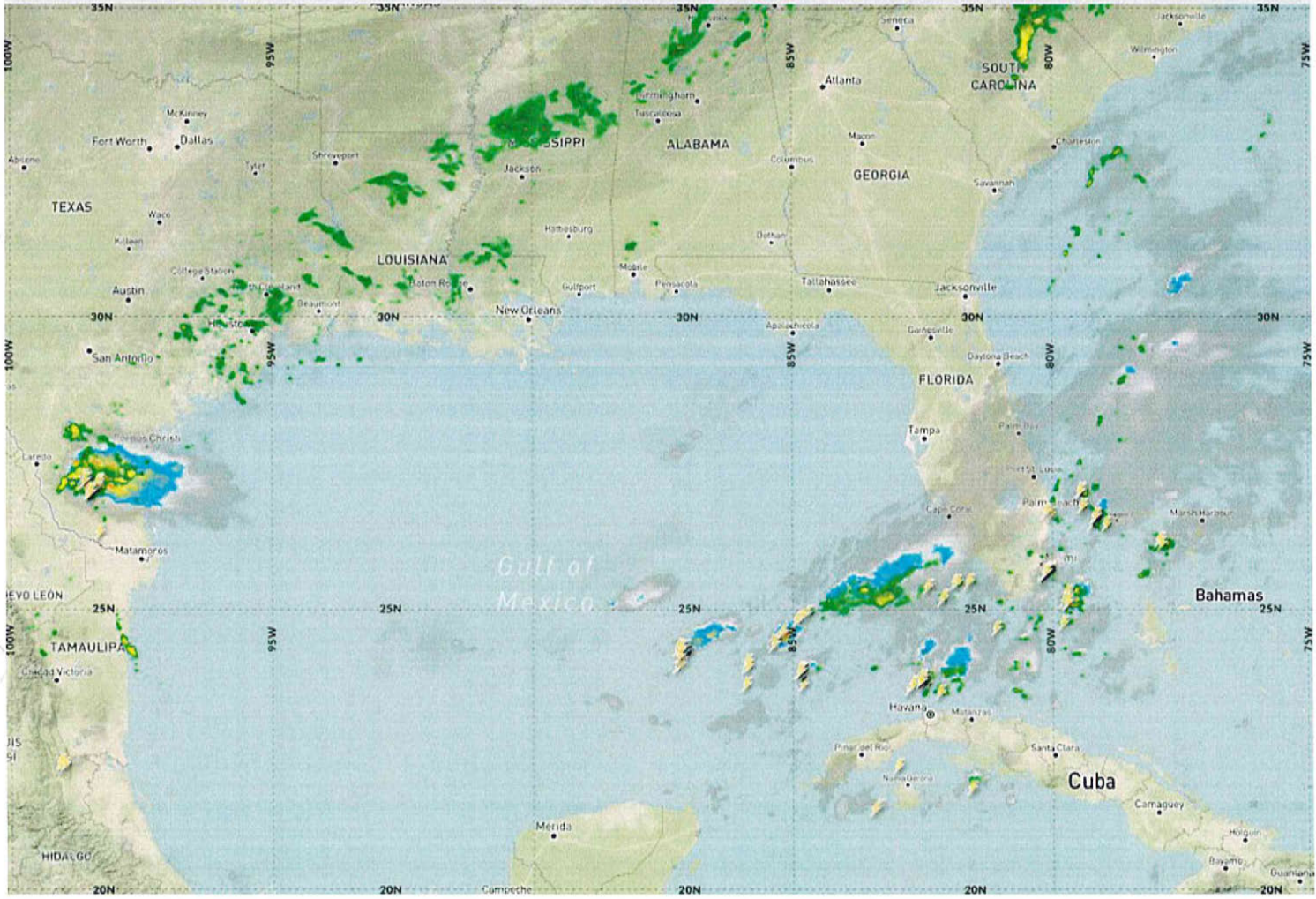


## Wind Waves and Total Seas





**Current Radar, Satellite, and Lightning**



**Today and Tomorrow's Weather**

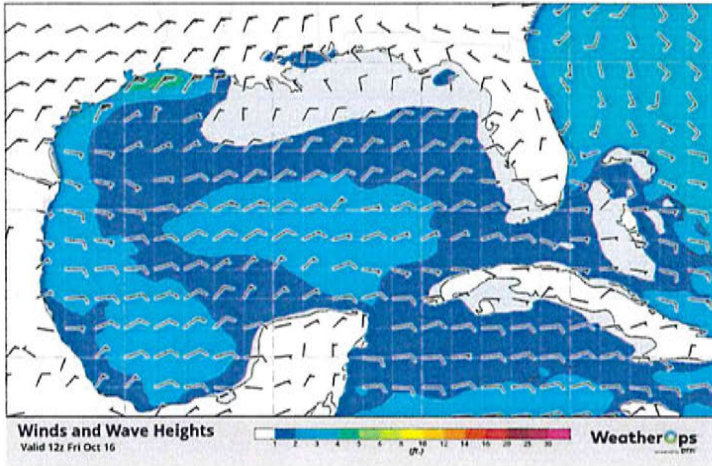
A cold front is pushing offshore the Texas and Louisiana coast this morning. With winds beginning out of the south and southeast in the western GOM, a significant wind shift is expected with winds turning to the north and northeast while increasing to between 25 to 30 knots. In the central and eastern GOM, while increased northerlies are forecast this morning and afternoon, a significant wind shift is not expected as winds will turn out of the north and then increase throughout the day. As the front dissipated to the south into the afternoon, high pressure will continue to build to the northwest and north leading to winds veering to the northeast and east-northeast as a fresh breeze. Moderate to fresh breezes will continue to veer into Saturday morning as the high remains over the southeastern United States.

**Day Three through Seven Weather Hazards**

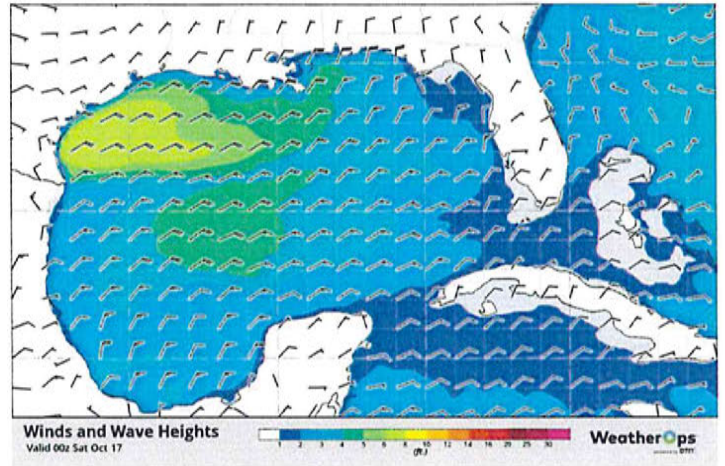
High pressure is forecast to remain to the north of the Gulf of Mexico into next week leading to moderate to fresh easterlies to east-southeasterlies. With the long term easterly fetch, significant wave heights are forecast to build into the middle of the week with the potential for rough seas in the deep waters of the central gulf.



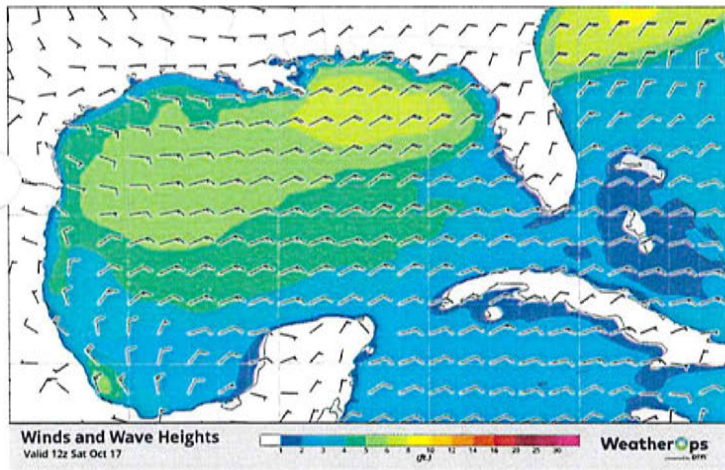
This Morning's Winds and Seas



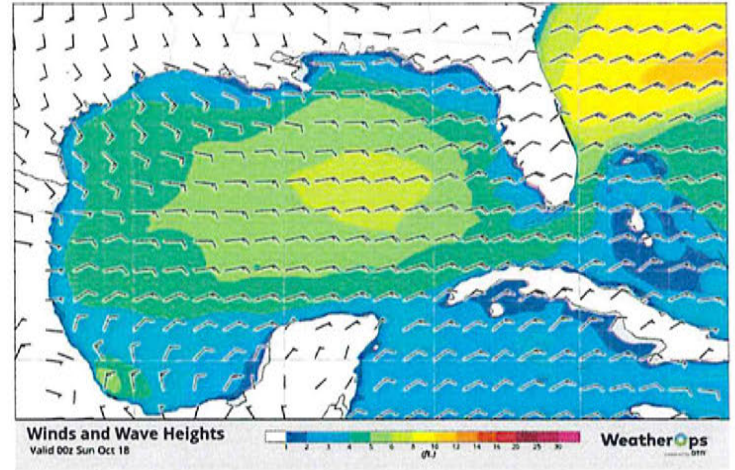
This Evening's Winds and Seas



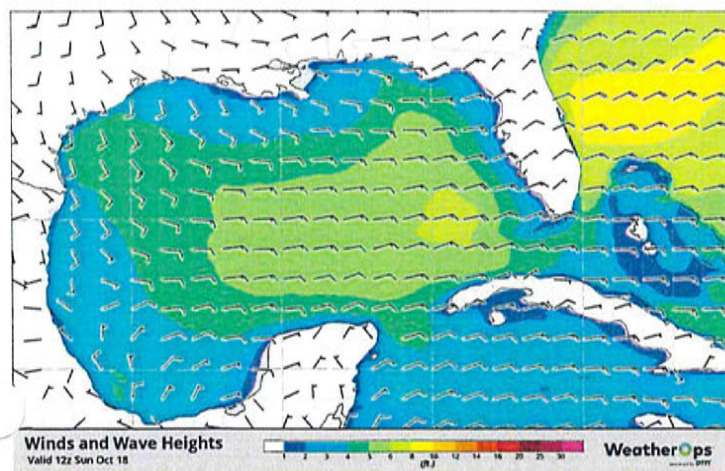
Tomorrow Morning's Winds and Seas



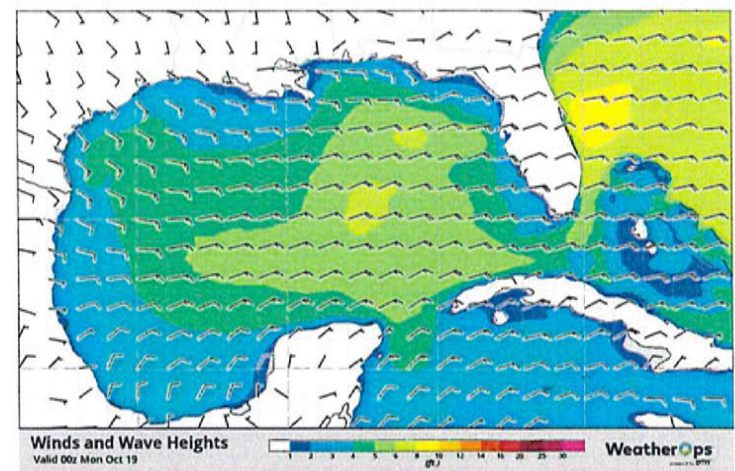
Tomorrow Evening's Winds and Seas



Day 3 Morning Winds and Seas

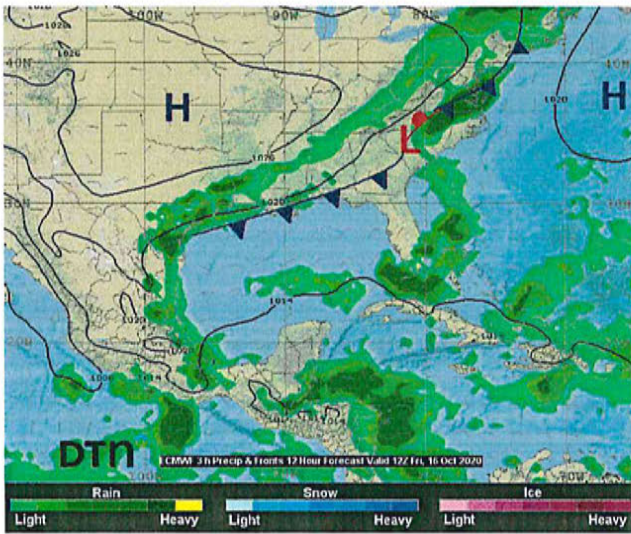


Day 3 Evening Wind and Seas

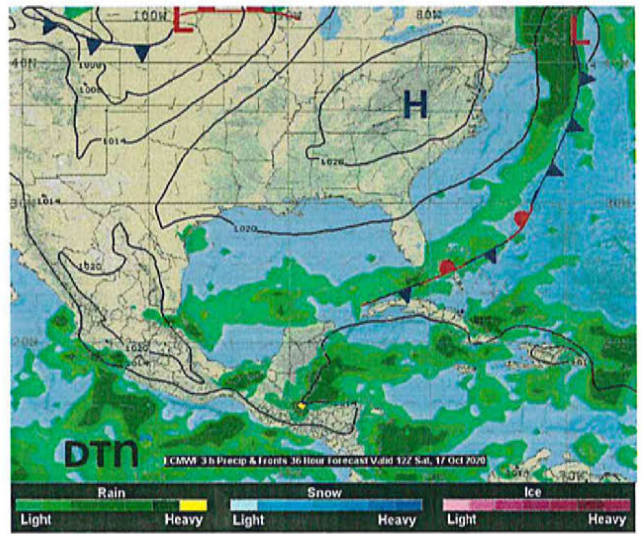




Day 1 Surface Chart



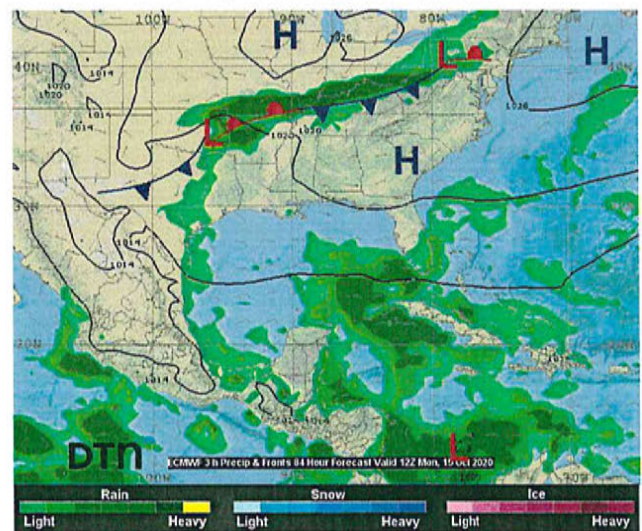
Day 2 Surface Chart



Day 3 Surface Chart



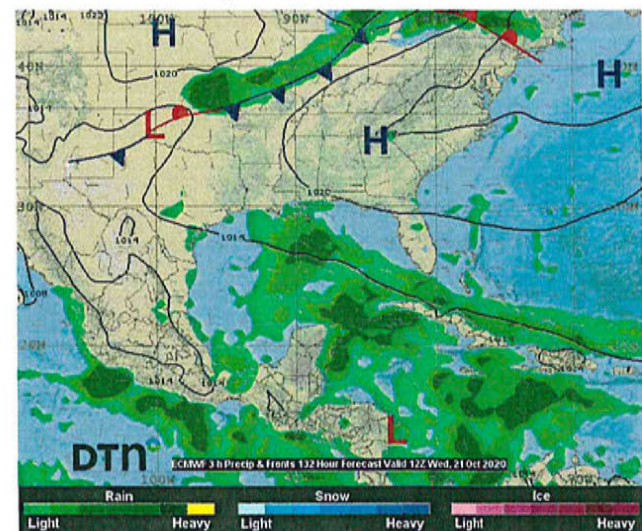
Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Daily Planner

Issued: Friday, October 16, 2020 at 06:00AM CDT

Teekay Marine Solutions			Pascagoula LZ				Position: 29.45 N 88.21 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST		50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB		
Valid	Friday, October 16, 2020											Temperature (F): 78 / 71			
0600	NW	5	9	6	9	0	SSW	0	3	0	1	4.0		70%	20%
1200	NNE	17	24	19	26	3	WNW	1	4	3	5	8.25		0%	0%
1800	NNE	22	31	24	33	4	NNW	1	4	4	7	10.5		0%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 76 / 68			
0000	NE	23	32	26	35	6	NW	1	3	6	11	10.5		0%	0%
0600	NE	21	29	23	32	6	W	0	3	6	11	10.5		0%	0%
1200	ENE	19	26	20	28	6	N	1	5	6	11	10.5		0%	0%
1800	E	14	19	15	21	4	ENE	3	5	5	9	10.5		5%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 79 / 74			
0000	ESE	13	18	14	19	3	E	3	6	4	7	10.5		10%	0%
0600	ESE	9	13	10	14	1	ESE	3	5	3	6	9.75		15%	0%
1200	E	13	18	14	19	3	ESE	2	5	3	6	8.25		15%	5%
1800	E	15	22	17	24	4	SE	2	5	4	8	10.5		15%	5%
Valid	Monday, October 19, 2020											Temperature (F): 79 / 76			
0000	ESE	14	20	16	21	3	ESE	3	6	5	9	10.5		25%	20%
0600	ESE	17	24	19	26	4	SE	3	6	5	9	10.5		30%	20%
1200	E	16	23	18	25	4	SE	4	7	6	10	10.5		35%	30%
1800	ENE	15	21	16	22	3	SE	5	7	5	10	10.5		20%	15%
Valid	Tuesday, October 20, 2020											Temperature (F): 80 / 76			
0000	ENE	13	18	14	19	2	SE	4	7	5	9	10.5		45%	40%
0600	E	15	21	17	23	3	SE	3	7	4	8	10.5		50%	50%
1200	E	16	22	17	24	4	SE	4	6	5	9	10.25		50%	50%
1800	E	17	24	19	26	4	SE	4	7	5	10	10.5		40%	35%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 77			
0000	E	16	22	17	24	3	SE	4	7	6	10	10.5		45%	35%
0600	ESE	18	26	20	28	5	SE	3	7	6	12	8.75		40%	40%
1200	E	21	28	23	30	6	SE	4	7	7	13	8.0		30%	30%
1800	E	20	27	22	29	5	SE	5	7	7	13	8.0		30%	20%
Valid	Thursday, October 22, 2020											Temperature (F): 80 / 76			
0000	E	19	26	20	28	5	SE	5	7	7	12	4.75		30%	20%
0600	ESE	18	24	19	26	5	SE	4	7	6	12	3.0		40%	20%
1200	ESE	17	23	18	25	5	SE	4	7	6	11	3.0		35%	20%
1800	ESE	18	25	20	27	5	SE	4	7	6	12	7.25		25%	15%

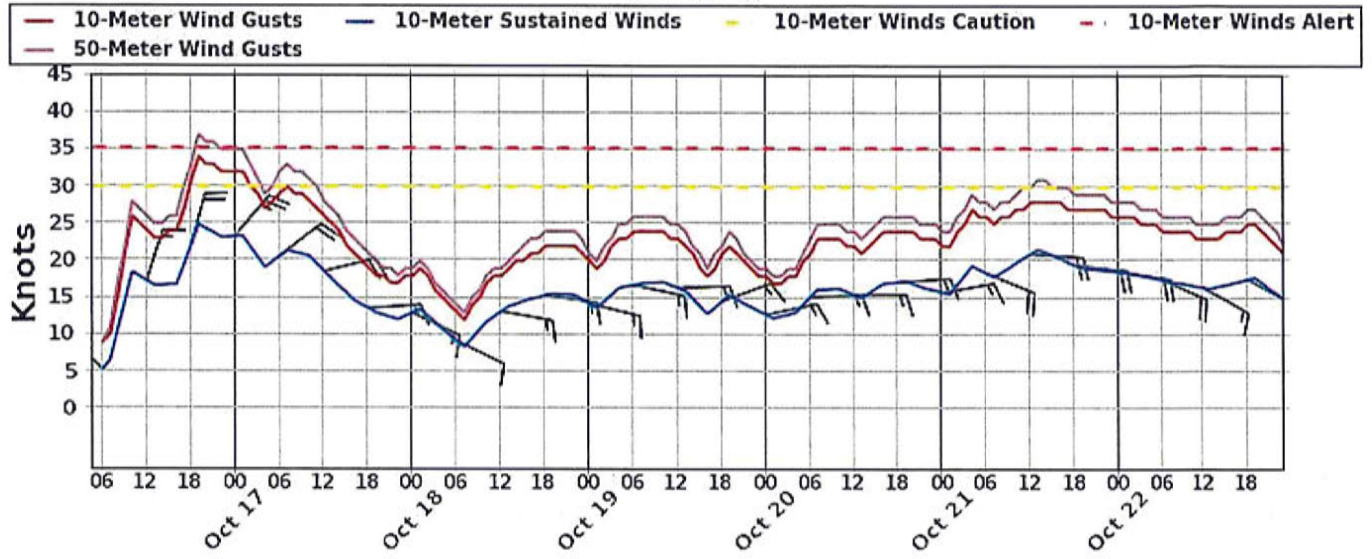
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

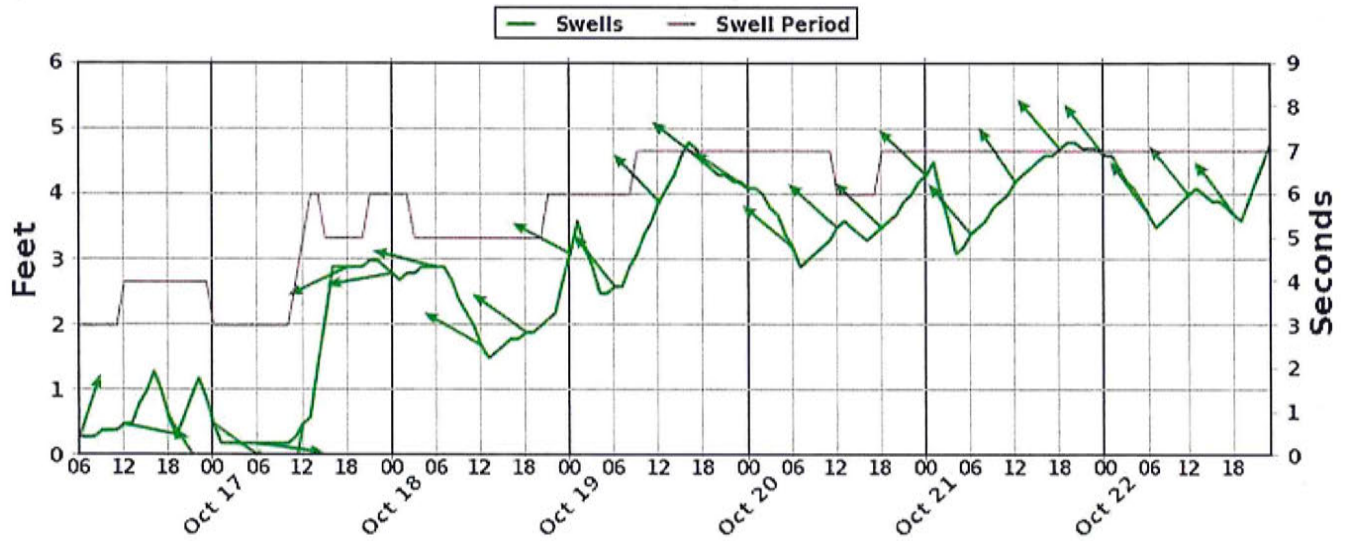
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



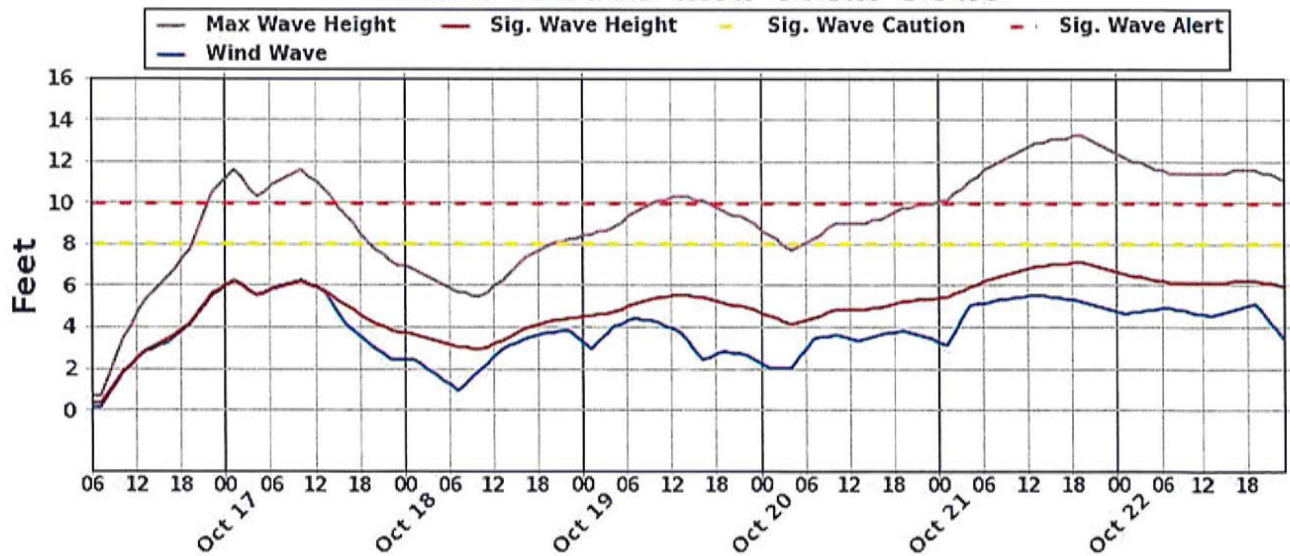
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Friday, October 16, 2020 at 06:00AM CDT

Teekay Marine Solutions				Sabine LZ			Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Friday, October 16, 2020										Temperature (F): 80 / 71				
0600	ENE	5	8	5	8	0	S	2	4	2	3	9.5		80%	80%
1200	NE	24	34	27	37	7	SSW	1	4	7	13	10.5		35%	0%
1800	NE	22	30	24	33	6	SW	0	4	6	11	10.5		5%	0%
Valid	Saturday, October 17, 2020										Temperature (F): 80 / 73				
0000	E	19	27	21	29	5	NNE	2	4	6	11	10.5		0%	0%
0600	ESE	13	18	14	19	3	ENE	3	5	4	8	10.5		0%	0%
1200	SE	12	16	13	17	2	E	3	5	4	7	10.5		0%	0%
1800	SE	13	18	15	20	2	E	3	6	4	7	10.5		5%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 81 / 78				
0000	SE	17	23	18	25	3	E	3	6	4	8	10.5		5%	0%
0600	SSE	14	19	15	21	3	ESE	3	6	4	8	3.5		10%	0%
1200	SE	13	19	15	20	3	ESE	3	5	4	7	2.75		5%	0%
1800	SE	15	21	17	23	3	SE	2	5	4	7	10.5		10%	5%
Valid	Monday, October 19, 2020										Temperature (F): 81 / 78				
0000	SE	14	20	16	22	3	SE	2	5	4	7	10.5		10%	10%
0600	SE	12	16	13	17	2	ESE	3	5	4	7	10.5		15%	10%
1200	ESE	11	16	12	17	2	ESE	3	6	3	6	10.5		25%	15%
1800	E	14	19	15	21	2	SE	3	6	4	7	9.5		30%	20%
Valid	Tuesday, October 20, 2020										Temperature (F): 80 / 76				
0000	ESE	14	20	16	21	3	ESE	3	7	4	8	7.5		55%	45%
0600	ESE	13	18	14	19	3	ESE	4	7	5	9	3.0		70%	65%
1200	ESE	15	21	16	23	4	ESE	4	7	5	9	4.75		65%	60%
1800	ESE	13	18	14	19	3	ESE	4	7	5	9	4.5		60%	50%
Valid	Wednesday, October 21, 2020										Temperature (F): 80 / 77				
0000	ESE	17	23	18	25	5	ESE	2	6	5	10	8.0		55%	55%
0600	ESE	16	22	17	24	4	ESE	3	7	5	10	6.5		55%	55%
1200	E	12	16	13	17	2	ESE	5	7	5	10	6.0		50%	50%
1800	E	14	19	15	21	3	ESE	5	7	6	10	7.0		45%	25%
Valid	Thursday, October 22, 2020										Temperature (F): 80 / 76				
0000	ESE	15	21	16	23	4	ESE	5	7	6	11	6.25		40%	25%
0600	ESE	8	12	9	13	1	ESE	5	7	5	10	6.0		45%	30%
1200	ESE	7	9	7	10	1	ESE	5	7	5	9	7.75		40%	25%
1800	SE	7	10	8	11	1	ESE	4	7	4	8	8.0		30%	20%

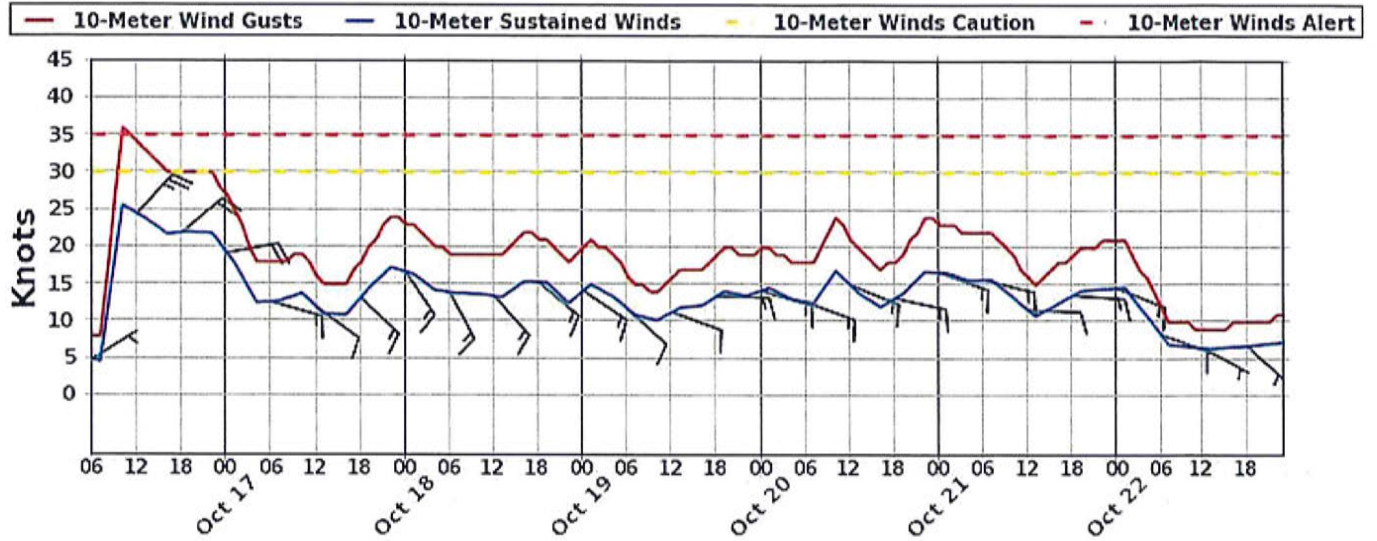
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

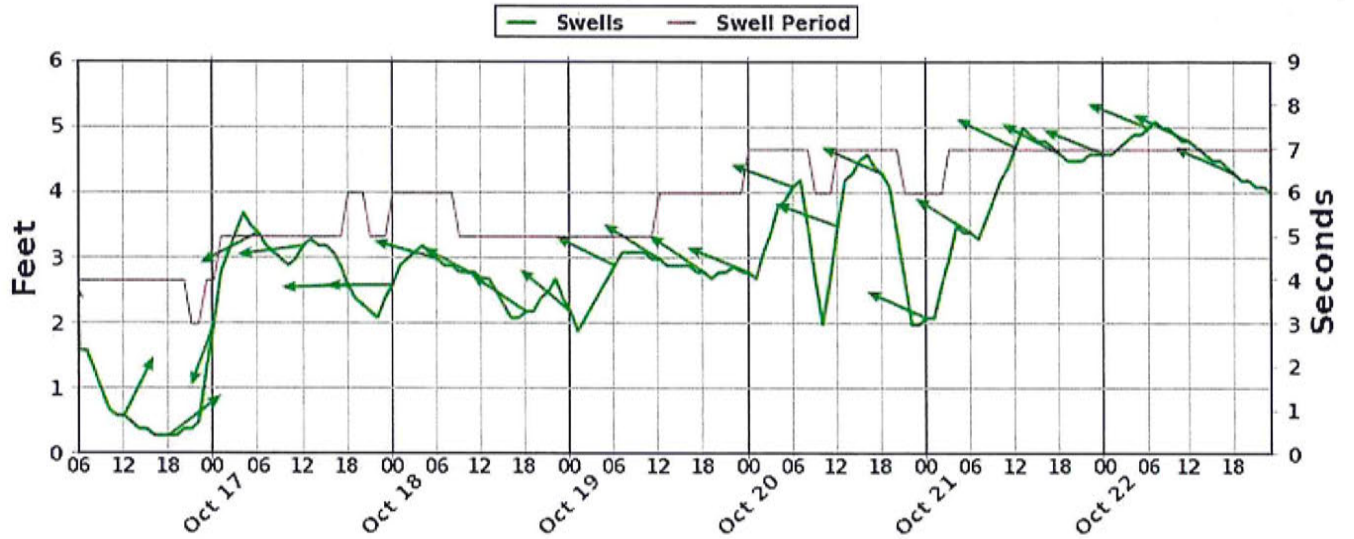
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



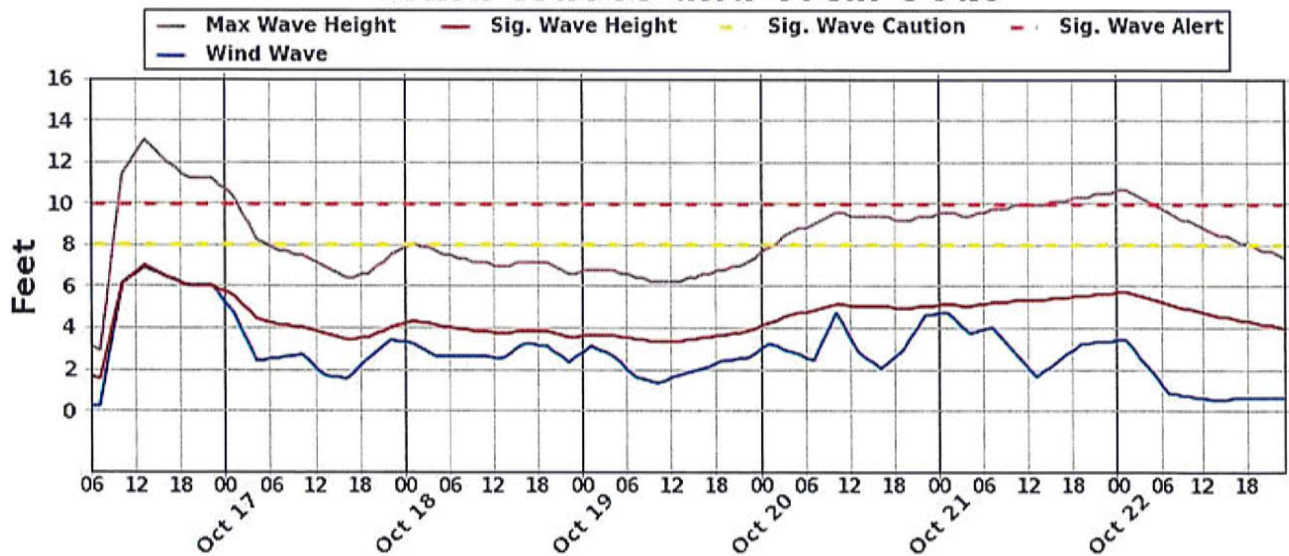
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Teekay Marine Solutions				SW Pass LZ			Position: 28.31 N 90.54 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC			SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB
Valid	Friday, October 16, 2020											Temperature (F): 80 / 74			
0600	NE	5	9	6	9	0	SSE	1	3	1	1	10.5		35%	5%
1200	NNE	17	24	19	26	2	SSE	1	4	2	4	10.5		10%	0%
1800	NE	20	28	22	30	5	W	0	4	5	9	10.5		0%	0%
Valid	Saturday, October 17, 2020											Temperature (F): 79 / 74			
0000	NE	21	29	23	31	6	WSW	0	3	6	10	10.5		0%	0%
0600	ENE	17	24	19	26	5	NW	0	4	5	9	10.5		0%	0%
1200	E	16	23	17	25	5	NE	2	5	5	9	10.5		0%	0%
1800	ESE	13	18	14	19	3	ENE	4	6	5	9	10.5		0%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 81 / 77			
0000	SE	14	19	15	21	3	ENE	3	6	4	8	10.5		0%	0%
0600	SE	10	14	11	15	2	E	4	6	4	7	10.5		5%	0%
1200	ESE	13	18	14	20	3	E	3	6	4	7	10.5		5%	0%
1800	E	13	18	14	19	3	ESE	2	5	4	6	10.5		15%	10%
Valid	Monday, October 19, 2020											Temperature (F): 80 / 77			
0000	E	14	20	15	21	3	ESE	3	6	4	8	10.5		15%	10%
0600	E	13	18	14	19	3	ESE	4	6	5	8	10.5		25%	25%
1200	E	14	20	16	22	3	ESE	4	7	5	9	4.25		40%	35%
1800	E	17	24	19	26	4	SE	4	7	6	10	4.75		55%	40%
Valid	Tuesday, October 20, 2020											Temperature (F): 81 / 77			
0000	E	19	26	21	28	6	SE	3	7	7	12	9.0		50%	40%
0600	E	17	23	18	25	5	ESE	4	7	6	11	7.0		55%	50%
1200	E	16	22	17	24	4	ESE	4	7	6	11	9.25		55%	50%
1800	E	17	23	19	25	4	SE	4	7	6	10	10.0		60%	55%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 76			
0000	E	18	26	20	28	5	SE	4	7	6	12	3.5		60%	60%
0600	ESE	18	25	19	27	6	ESE	4	7	7	13	3.25		55%	55%
1200	E	19	27	22	29	6	SE	4	8	7	13	3.75		40%	40%
1800	E	19	26	20	28	6	SE	4	7	7	13	3.75		40%	25%
Valid	Thursday, October 22, 2020											Temperature (F): 80 / 77			
0000	ESE	15	21	17	23	4	ESE	6	7	7	13	3.5		40%	20%
0600	ESE	15	20	16	22	3	ESE	6	7	7	12	2.75		45%	25%
1200	ESE	14	19	15	20	3	ESE	5	7	6	11	3.5		40%	25%
1800	SE	13	18	14	19	3	ESE	5	7	6	11	3.0		40%	25%

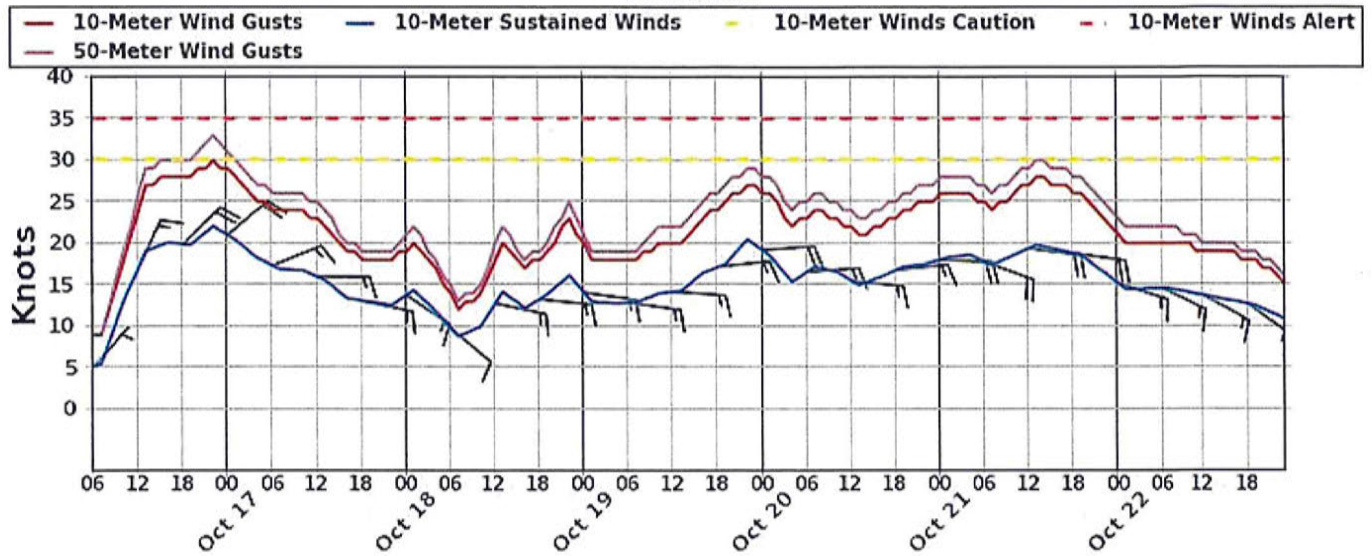
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

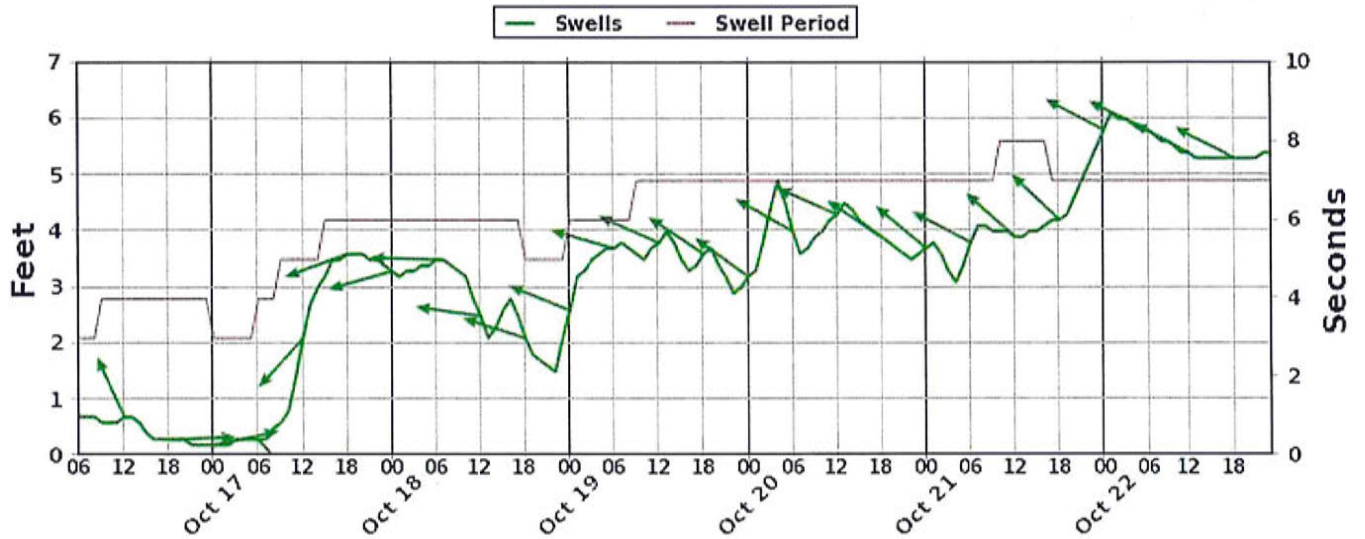
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



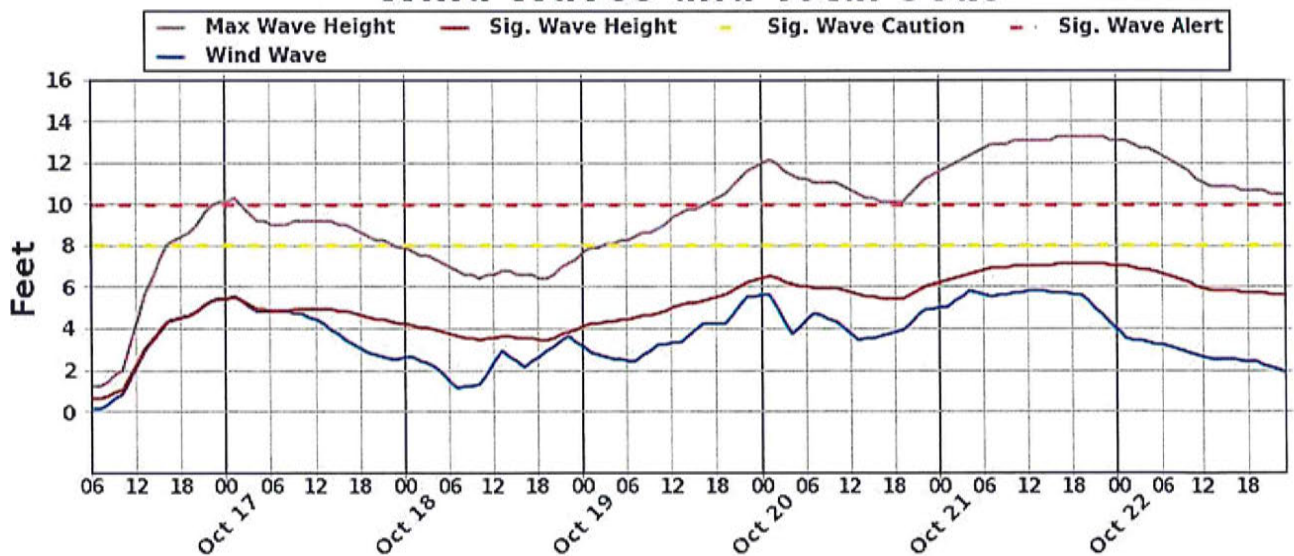
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





CONFIDENTIAL

**From:** [Brian Newman](#)  
**Sent:** Saturday, October 17, 2020 8:15 AM  
**Subject:** Daily Gulf Weather Forecast 17th October  
**Attachments:** Corpus\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201017T0600.pdf; Galveston\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201017T0600.pdf; Gulf\_of\_Mexico\_Planner\_10172020\_0600.pdf; Pascagoula\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201017T0600.pdf; Sabine\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201017T0600.pdf; SW\_Pass\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201017T0600.pdf

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Good day all,

Corpus LZ: Forecast shows forecast brief high on Sunday AM, but suitable conditions throughout the week

GOLA LZ: Forecast shows intermittent forecast highs today PM through Thursday morning

Sabine LZ: Forecast shows forecast highs on Monday AM, All day Wednesday through Thursday AM

Pasc LZ / SWPass LZ: Forecast shows intermittent forecast highs today through Thursday

The weather forecast ends Thursday, October 23<sup>nd</sup>.

We will continue to monitor accordingly.

Best Regards

Brian Newman  
Commercial Operations Manager  
Teekay Shipping (USA) Inc.  
Mob [REDACTED]  
Ema [REDACTED]  
*Bringing energy to the world with Teekay Spirit*

ATINA 000714



Daily Planner

Issued: Saturday, October 17, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Saturday, October 17, 2020											Temperature (F): 81 / 75			
0600	SE	12	17	13	18	2	ENE	4	6	5	9	2.25		45%	45%
1200	SSE	13	18	14	19	2	ENE	4	6	4	8	9.75		15%	0%
1800	SSE	14	20	16	22	2	E	3	6	4	7	10.5		5%	0%
Valid	Sunday, October 18, 2020											Temperature (F): 82 / 78			
0000	SSE	19	27	21	29	4	E	3	6	5	9	10.5		0%	0%
0600	S	15	21	16	22	3	ESE	4	6	5	9	10.5		5%	0%
1200	SSE	12	16	13	17	2	ESE	4	6	4	8	10.5		25%	10%
1800	SE	13	18	15	19	2	E	3	6	4	7	9.75		30%	15%
Valid	Monday, October 19, 2020											Temperature (F): 81 / 77			
0000	SE	16	23	18	25	3	E	3	6	4	8	8.25		55%	55%
0600	SSE	16	22	17	24	3	E	3	6	5	8	8.25		50%	45%
1200	SE	12	16	13	18	2	ESE	4	6	4	8	9.25		35%	25%
1800	ESE	15	21	16	22	3	ESE	3	6	4	8	6.75		5%	5%
Valid	Tuesday, October 20, 2020											Temperature (F): 80 / 76			
0000	ESE	16	23	18	25	4	E	2	6	4	8	10.5		10%	10%
0600	ESE	10	14	11	15	2	ESE	4	6	4	7	10.5		45%	40%
1200	ESE	10	13	10	14	1	ESE	4	6	4	7	8.75		60%	55%
1800	E	13	18	14	19	2	E	3	7	4	7	6.0		30%	25%
Valid	Wednesday, October 21, 2020											Temperature (F): 81 / 76			
0000	ESE	16	21	17	23	3	E	3	7	5	9	8.25		75%	75%
0600	ESE	12	16	13	17	2	E	4	7	5	9	9.75		75%	75%
1200	E	12	17	13	18	2	E	5	7	5	9	9.75		50%	45%
1800	ENE	14	20	15	22	3	E	4	8	5	9	8.25		30%	25%
Valid	Thursday, October 22, 2020											Temperature (F): 79 / 76			
0000	ENE	10	14	11	15	2	E	5	7	5	9	7.0		60%	60%
0600	E	11	15	12	16	2	E	5	7	5	9	4.25		50%	50%
1200	NE	9	13	10	14	1	E	4	7	5	8	9.5		20%	15%
1800	ENE	10	14	11	15	1	E	4	7	4	8	10.5		5%	5%
Valid	Friday, October 23, 2020											Temperature (F): 80 / 75			
0000	E	7	10	8	10	1	E	4	7	4	7	10.5		15%	5%
0600	N	6	8	6	8	0	E	4	7	4	6	6.25		20%	10%
1200	NNE	13	19	14	21	1	E	3	7	4	6	4.0		15%	5%
1800	ENE	12	17	13	18	2	E	3	7	3	6	9.5		10%	5%

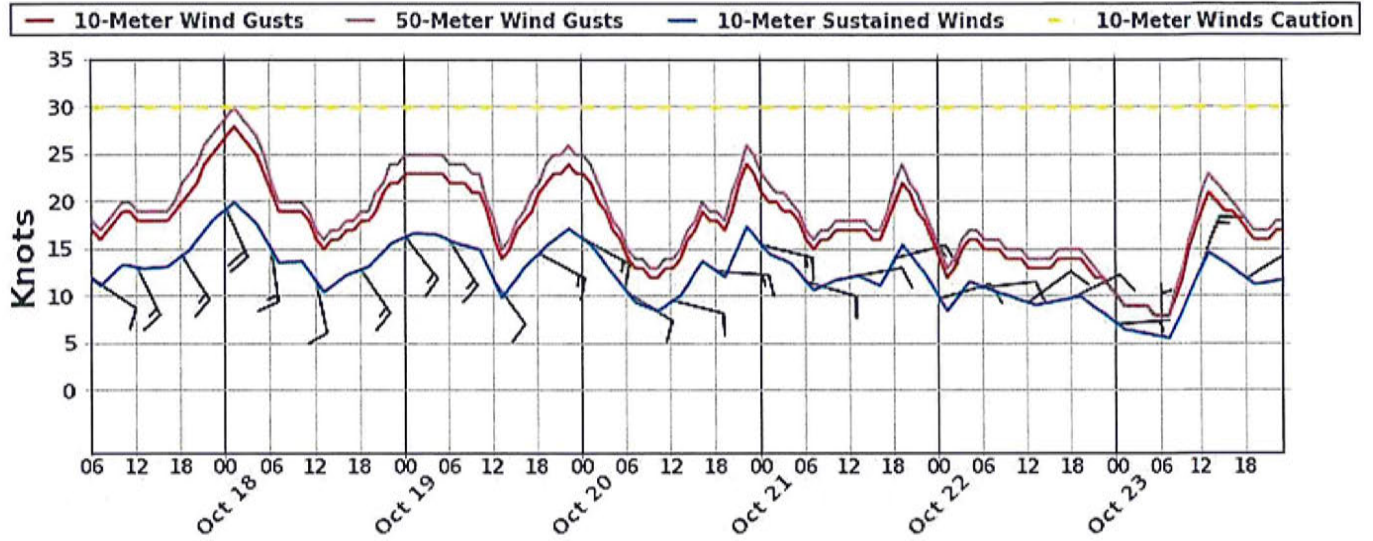
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

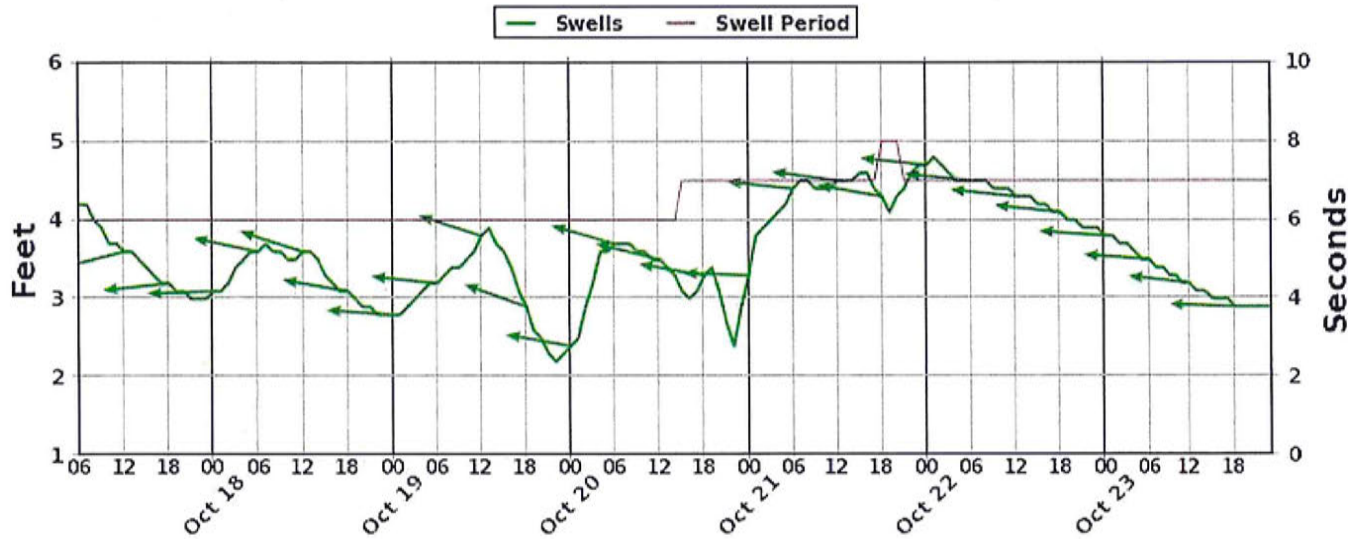
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



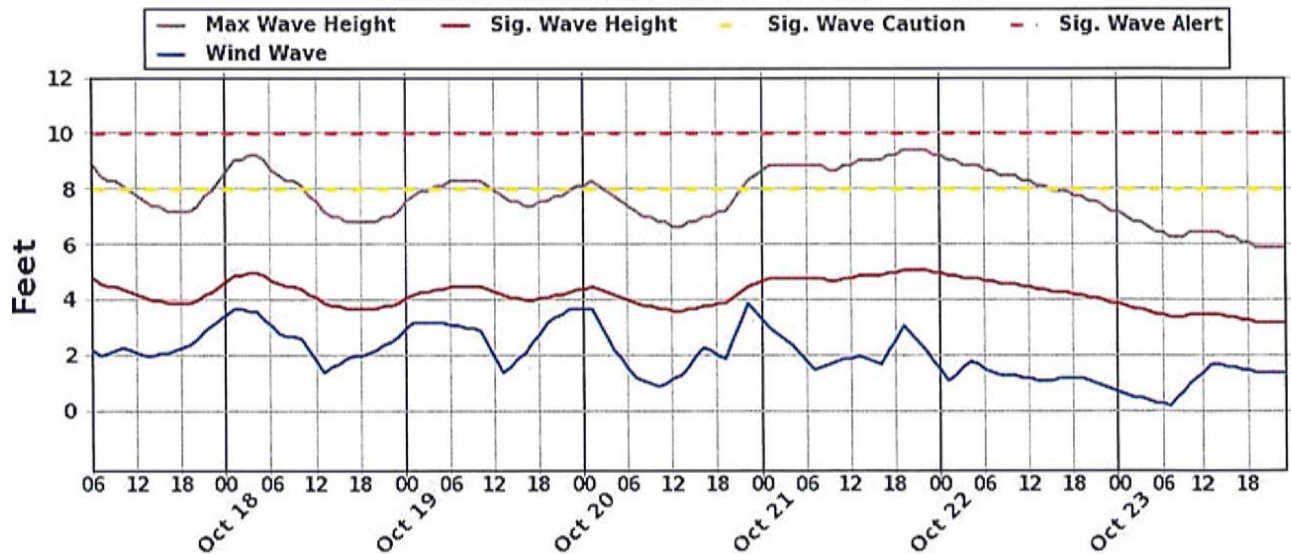
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Saturday, October 17, 2020 at 06:00AM CDT

Teekay Marine Solutions				Galveston LZ			Position: 28.58 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Saturday, October 17, 2020										Temperature (F): 81 / 73				
0600	E	15	20	16	22	3	ENE	3	6	5	8	10.5		10% 0%	
1200	SE	14	20	16	22	3	E	3	6	4	7	10.5		5% 0%	
1800	SE	15	21	16	23	3	E	3	6	4	7	10.5		5% 0%	
Valid	Sunday, October 18, 2020										Temperature (F): 82 / 77				
0000	SSE	18	25	19	27	3	E	3	6	4	8	9.0		10% 5%	
0600	SSE	16	23	18	25	3	ESE	3	6	4	8	5.75		45% 30%	
1200	SSE	13	18	14	19	2	ESE	3	6	4	7	7.5		55% 40%	
1800	SE	16	22	18	24	3	ESE	3	6	4	8	8.0		15% 10%	
Valid	Monday, October 19, 2020										Temperature (F): 81 / 78				
0000	SE	18	24	19	26	4	ESE	3	6	4	8	5.75		20% 20%	
0600	SE	16	22	18	24	4	ESE	3	6	5	8	8.75		5% 5%	
1200	SE	14	20	16	21	2	SE	3	6	4	8	5.25		5% 5%	
1800	ESE	14	20	15	21	3	SE	3	6	4	7	10.5		10% 5%	
Valid	Tuesday, October 20, 2020										Temperature (F): 82 / 77				
0000	ESE	15	20	16	22	3	SE	3	6	4	7	10.25		55% 45%	
0600	ESE	12	17	13	18	2	ESE	4	6	4	7	7.75		80% 80%	
1200	E	13	18	14	19	2	ESE	4	6	4	8	7.25		80% 80%	
1800	E	15	20	16	22	3	ESE	4	7	5	9	6.0		50% 35%	
Valid	Wednesday, October 21, 2020										Temperature (F): 82 / 77				
0000	ESE	17	24	19	26	4	ESE	3	7	5	9	10.5		45% 40%	
0600	E	16	23	18	25	4	ESE	4	7	5	10	9.5		65% 65%	
1200	E	14	20	16	21	3	ESE	5	7	6	10	6.0		65% 65%	
1800	E	17	23	18	25	4	ESE	4	7	5	10	2.5		55% 55%	
Valid	Thursday, October 22, 2020										Temperature (F): 80 / 76				
0000	E	17	24	19	26	4	ESE	4	7	6	10	4.5		60% 60%	
0600	E	13	18	15	19	2	ESE	5	7	5	9	3.0		55% 55%	
1200	ENE	11	15	12	16	1	ESE	5	7	5	9	2.5		40% 40%	
1800	ENE	12	17	14	18	2	ESE	4	7	4	8	4.5		25% 15%	
Valid	Friday, October 23, 2020										Temperature (F): 80 / 75				
0000	ENE	12	17	13	18	2	ESE	4	7	4	8	7.5		25% 15%	
0600	WNW	5	9	6	9	0	ESE	4	6	4	7	8.0		35% 20%	
1200	N	13	19	15	20	1	ESE	3	7	4	6	8.75		25% 15%	
1800	NNE	16	23	18	25	2	ESE	3	7	4	7	5.75		15% 10%	

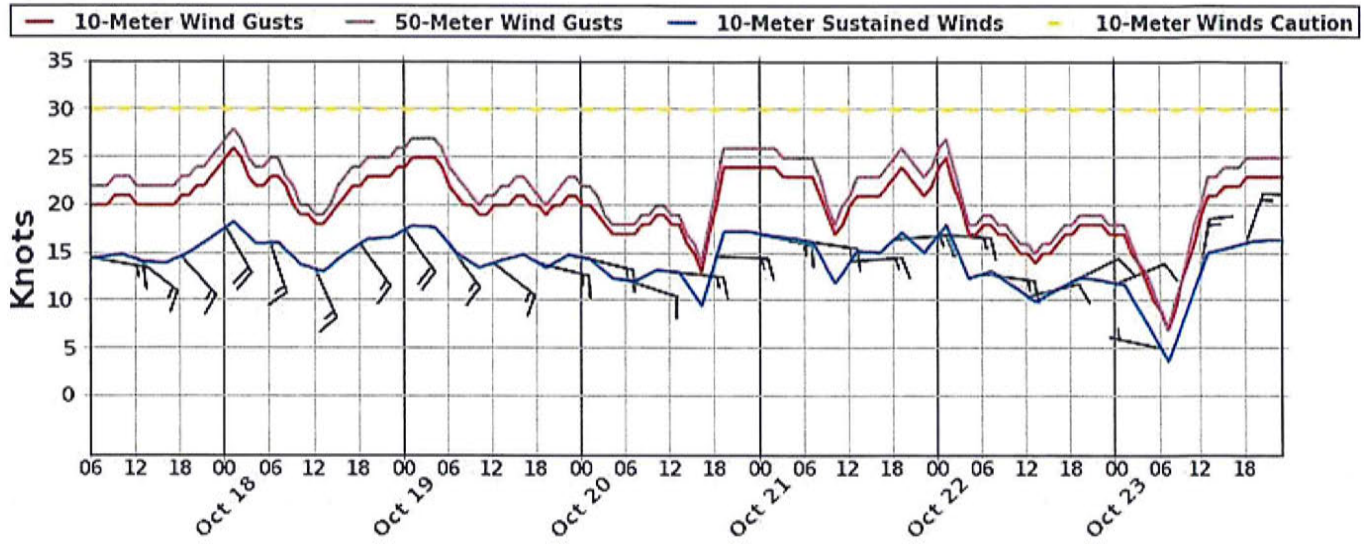
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

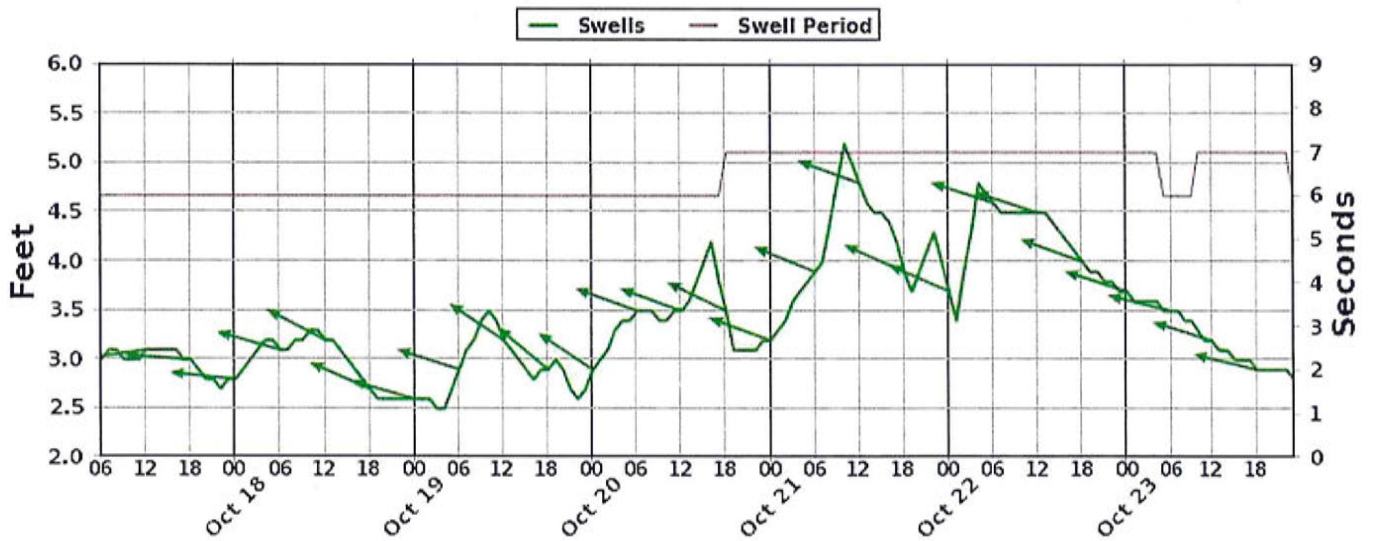
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



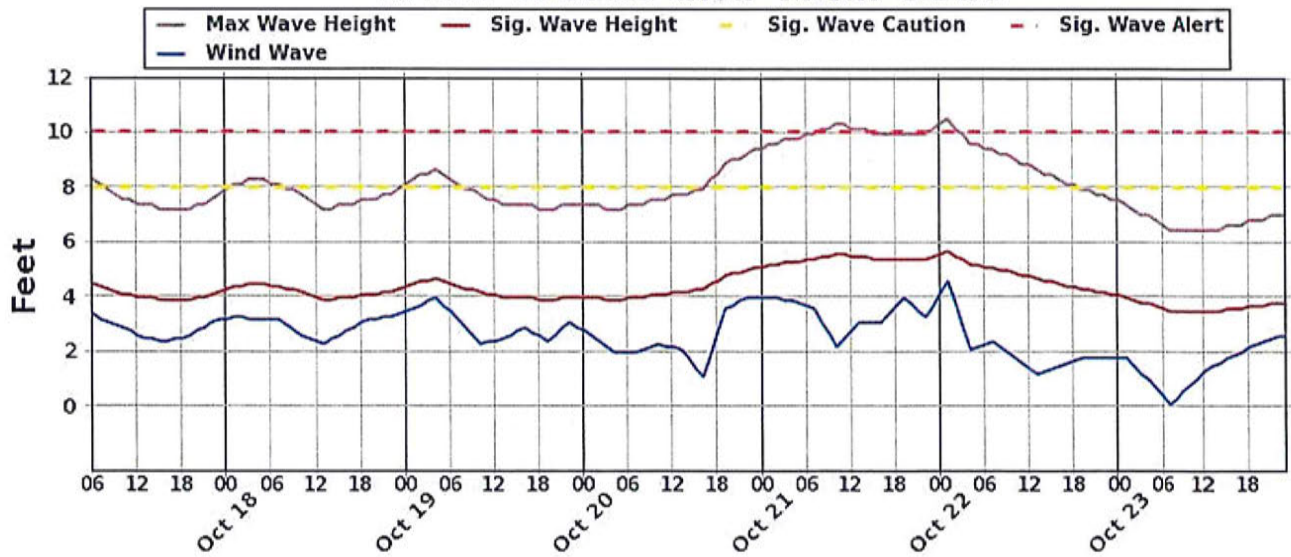
**CONFIDENTIAL**  
**WINDS**



**Swells**

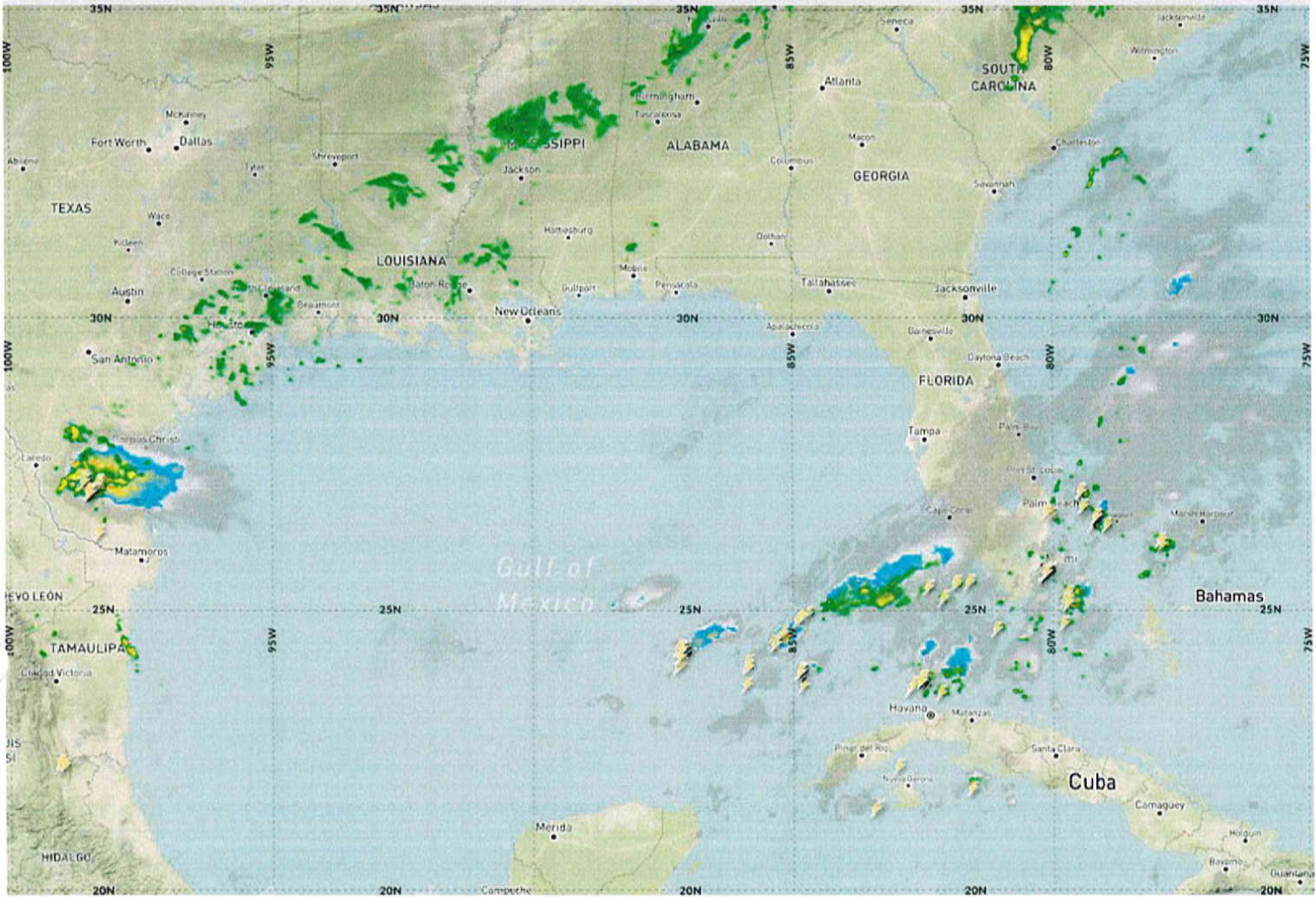


**Wind Waves and Total Seas**





**Current Radar, Satellite, and Lightning**



**Today and Tomorrow's Weather**

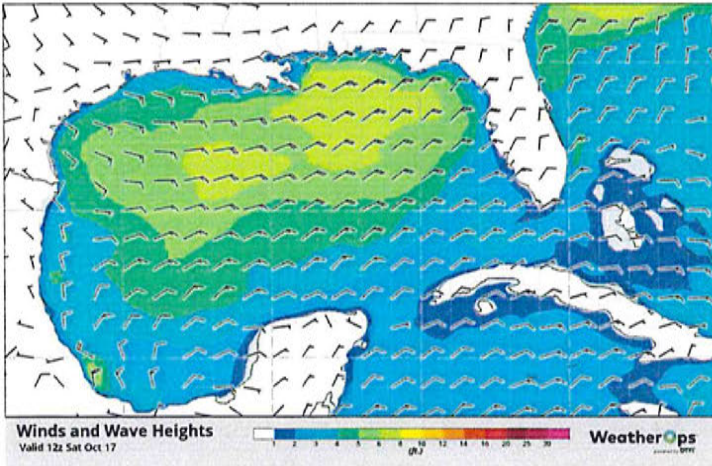
A stationary front across the Gulf of Mexico is forecast to lift north as a warm front today then dissipate tomorrow. As this front lifts north and weakens, NE'ly winds are forecast to veer and also decrease overall throughout today. Winds may freshen at times on Sunday but generally prevail between gentle to moderate levels. Sea heights are especially forecast to subside along and East of the Delta later today as the wind field weakens. Sea heights between 4 to 6 feet can be expected for deep water Lease Areas on Sunday with seas between 3 to 5 feet for near shore areas.

**Day Three through Seven Weather Hazards**

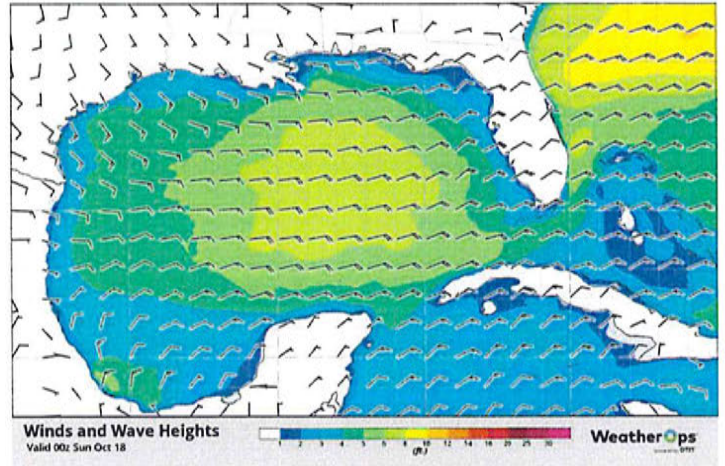
The southwestern periphery of a high pressure ridge will extend into the Deep South next week. This high looks to interact with lower pressures to the south. Moderate to fresh E'ly winds are forecast along and East of the Delta with slightly lighter winds for the western Lease Areas that are located in a weaker pressure gradient. The new surge in E'ly winds should generate building seas between 7 to 10 feet across the deep water Lease Areas beginning Tuesday. However, seas are forecast to subside Wednesday into Thursday. An area of low pressure may form over the western Caribbean Sea early next week. Impacts upon the Gulf of Mexico remain unclear at this time but bears watching over the next seven days.



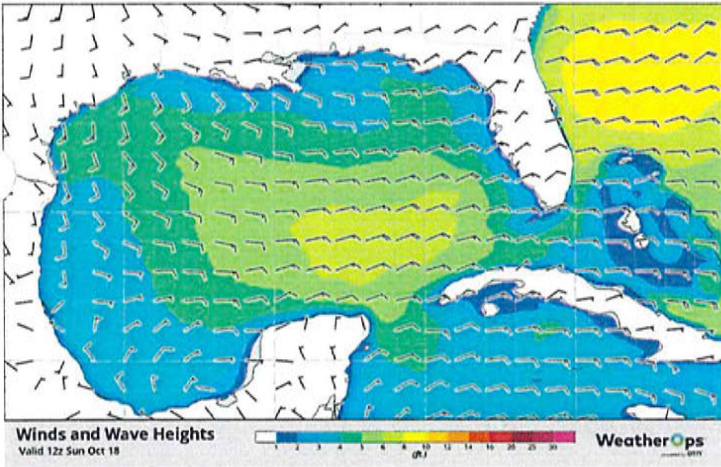
This Morning's Winds and Seas



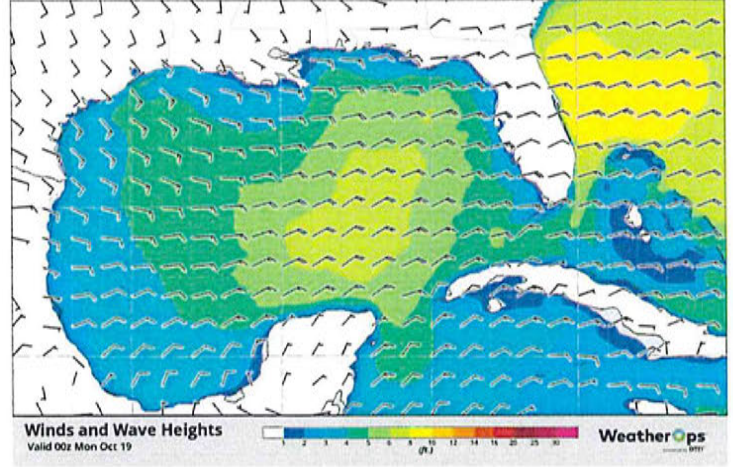
This Evening's Winds and Seas



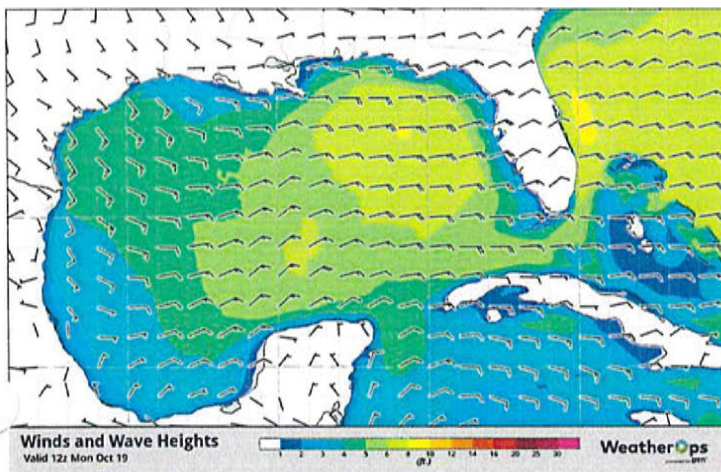
Tomorrow Morning's Winds and Seas



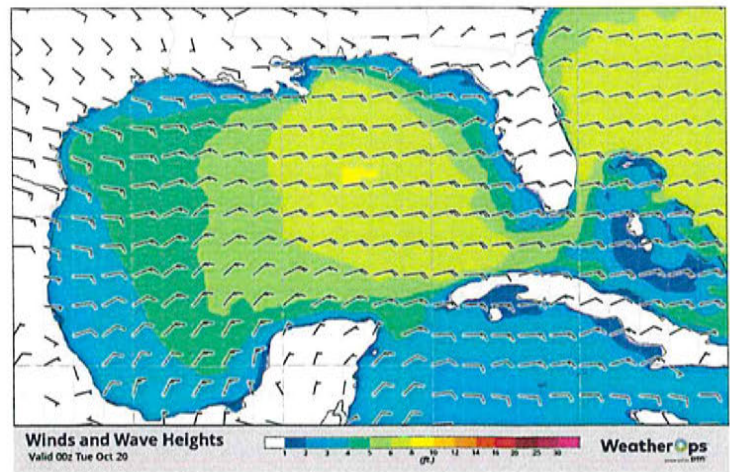
Tomorrow Evening's Winds and Seas



Day 3 Morning Winds and Seas

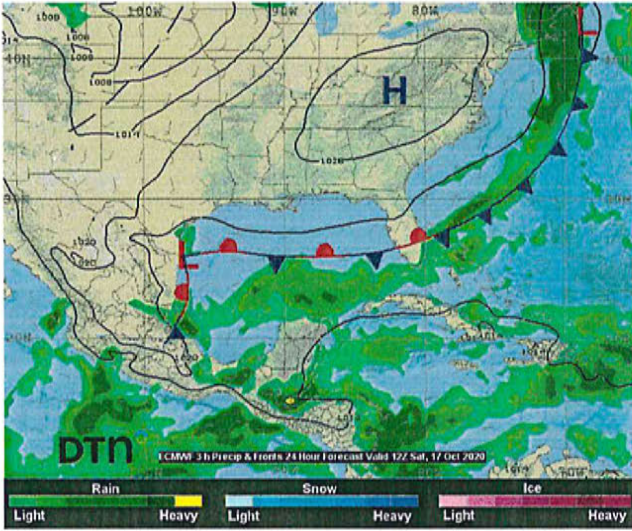


Day 3 Evening Wind and Seas

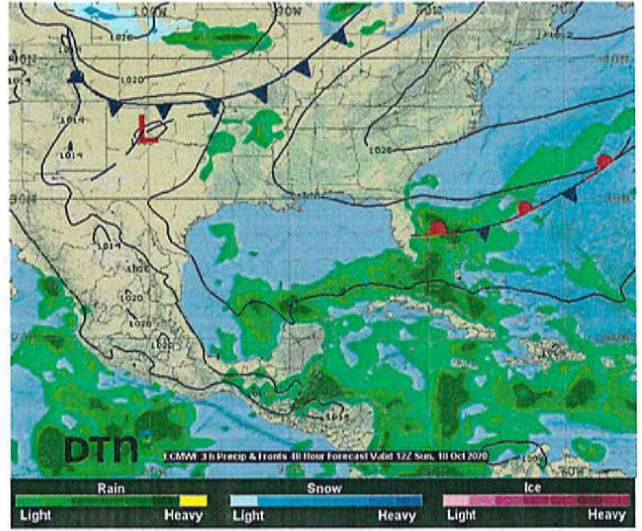




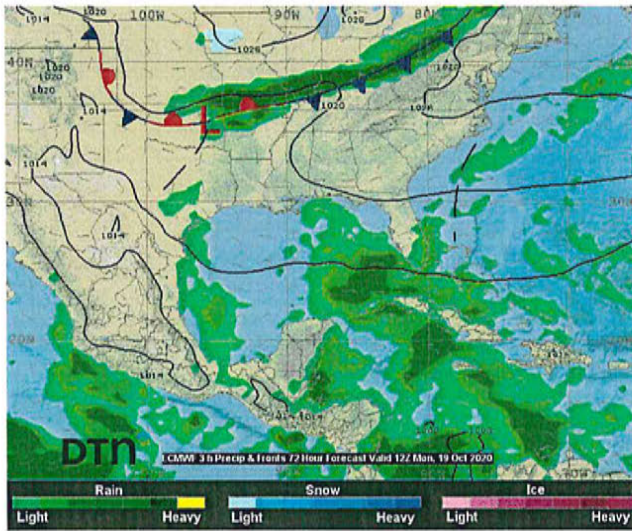
Day 1 Surface Chart



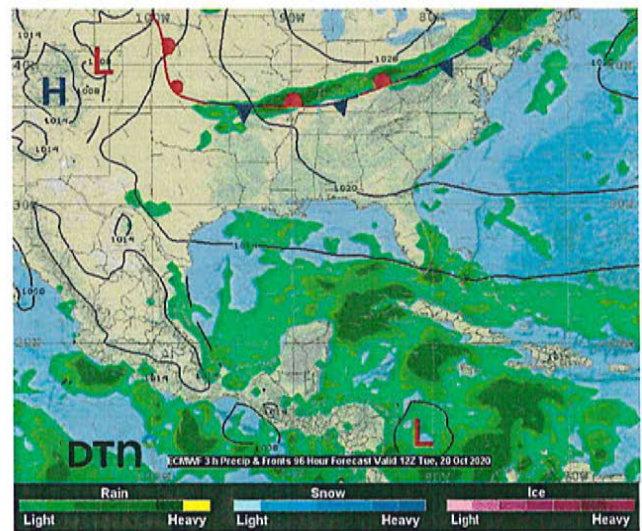
Day 2 Surface Chart



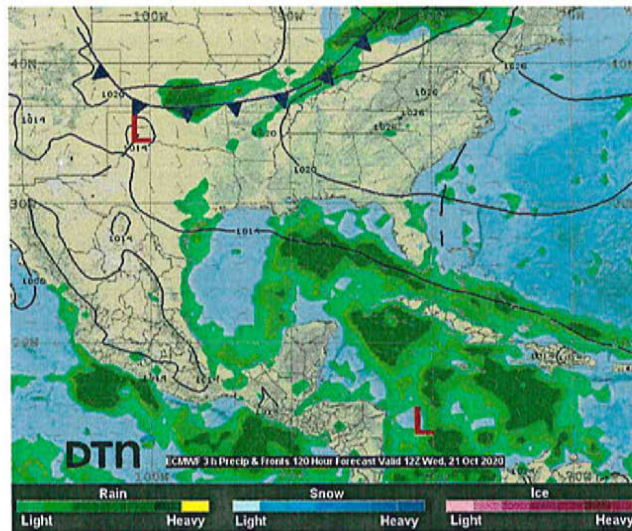
Day 3 Surface Chart



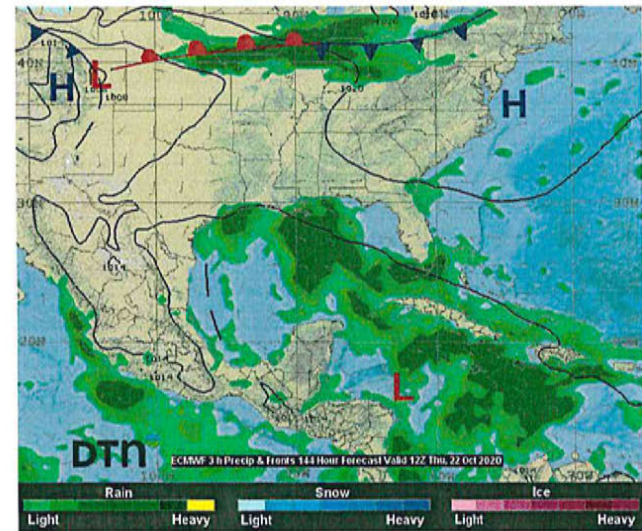
Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Daily Planner

Issued: Saturday, October 17, 2020 at 06:00AM CDT

Teekay Marine Solutions				Pascagoula LZ			Position: 29.45 N 88.21 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Saturday, October 17, 2020										Temperature (F): 76 / 68				
0600	NE	22	29	24	31	6	W	0	3	6	12	10.5		0%	0%
1200	ENE	22	28	24	30	7	NW	0	3	7	12	10.5		0%	0%
1800	E	16	22	17	24	4	ENE	3	6	5	9	10.5		0%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 79 / 74				
0000	ESE	13	19	15	20	3	E	3	5	4	7	10.5		0%	0%
0600	ESE	11	15	12	16	2	ESE	3	5	3	6	10.5		10%	0%
1200	E	15	21	16	22	3	SE	1	4	3	6	10.5		5%	0%
1800	E	15	21	17	23	4	ESE	2	5	4	8	10.5		5%	5%
Valid	Monday, October 19, 2020										Temperature (F): 80 / 75				
0000	E	16	22	17	24	4	SE	3	6	4	8	9.25		50%	35%
0600	E	17	24	18	26	4	SE	3	6	5	9	6.0		50%	45%
1200	E	19	26	20	28	5	SE	3	7	6	11	9.0		40%	30%
1800	E	21	27	22	29	6	SE	3	7	6	12	10.5		25%	20%
Valid	Tuesday, October 20, 2020										Temperature (F): 80 / 77				
0000	ENE	15	22	17	24	3	ESE	5	7	5	10	10.5		25%	20%
0600	E	20	27	22	29	5	SE	3	7	6	10	10.5		30%	25%
1200	E	20	27	22	29	5	SE	4	7	6	12	10.5		40%	30%
1800	E	19	26	21	28	4	SE	4	7	6	11	10.5		30%	25%
Valid	Wednesday, October 21, 2020										Temperature (F): 79 / 75				
0000	E	18	25	19	27	4	SE	4	7	6	11	2.5		55%	55%
0600	E	19	25	20	28	5	SE	4	7	6	11	7.25		55%	55%
1200	E	21	28	23	30	5	SE	4	7	7	12	3.25		65%	65%
1800	E	22	28	24	30	6	SE	4	7	7	13	8.0		55%	55%
Valid	Thursday, October 22, 2020										Temperature (F): 79 / 76				
0000	E	22	28	24	30	6	SE	3	7	7	12	3.25		75%	75%
0600	ESE	20	28	22	30	6	SE	4	7	7	12	6.5		60%	60%
1200	ESE	21	28	24	30	6	SE	3	7	7	12	5.75		45%	45%
1800	E	20	26	22	28	5	SE	4	7	7	12	4.25		45%	30%
Valid	Friday, October 23, 2020										Temperature (F): 79 / 76				
0000	ESE	18	25	20	27	5	SE	4	7	6	12	2.5		70%	45%
0600	SE	11	16	12	17	2	SE	5	6	6	10	2.0		80%	55%
1200	S	11	15	12	16	2	SE	5	6	5	10	3.75		55%	35%
1800	S	13	18	15	19	2	ESE	4	6	5	9	5.0		45%	25%

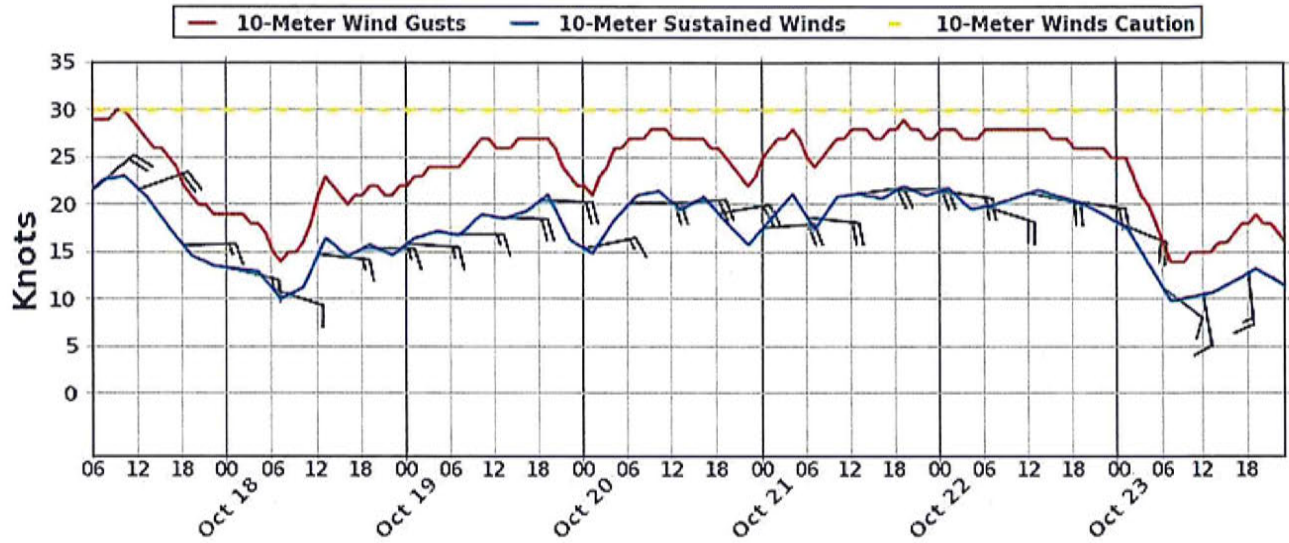
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

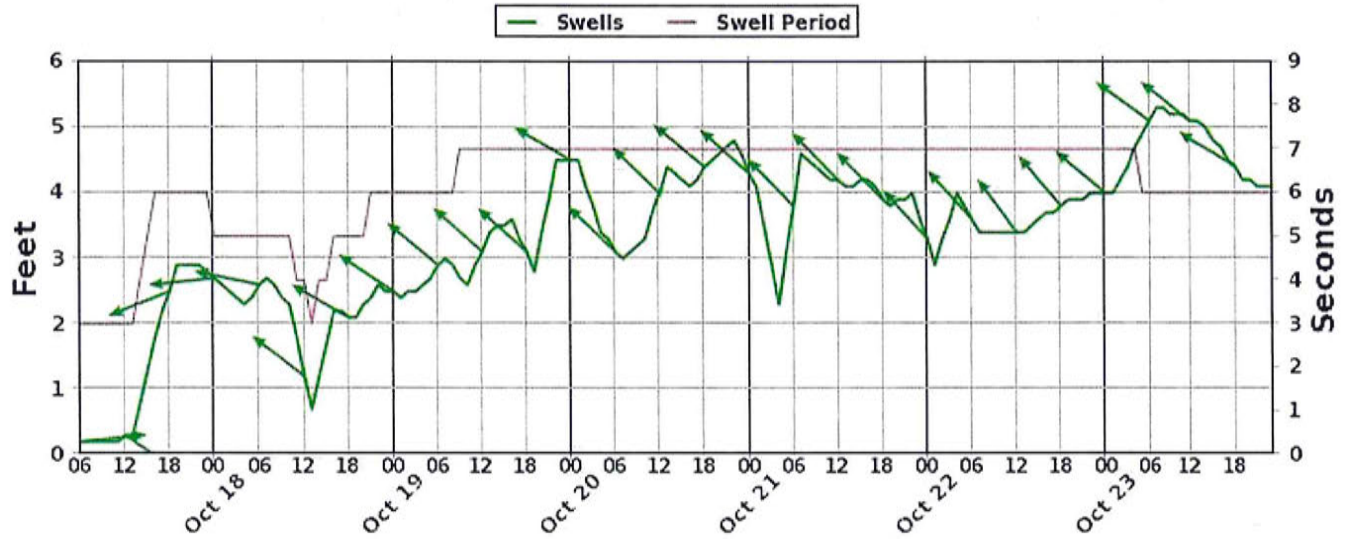
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



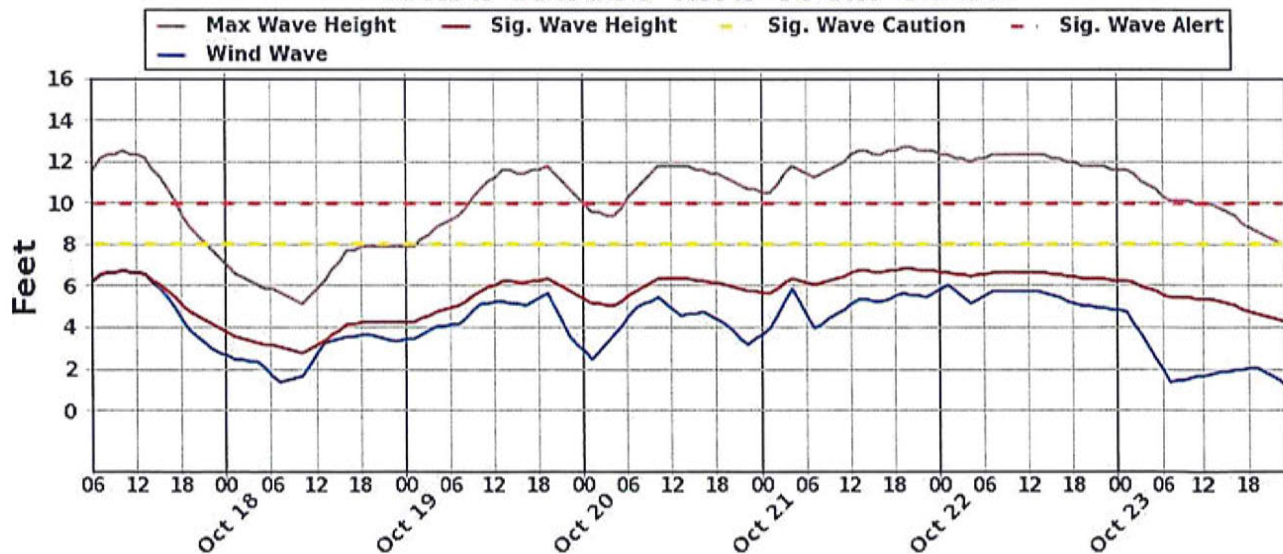
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Saturday, October 17, 2020 at 06:00AM CDT

Teekay Marine Solutions				Sabine LZ			Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Saturday, October 17, 2020										Temperature (F): 80 / 72				
0600	E	14	19	15	20	3	ENE	3	5	5	8	10.5		0%	0%
1200	ESE	14	19	15	21	2	E	3	6	4	8	10.5		0%	0%
1800	SE	15	21	16	23	3	E	3	6	4	7	10.5		0%	0%
Valid	Sunday, October 18, 2020										Temperature (F): 81 / 77				
0000	SE	17	23	18	25	3	E	3	6	4	8	10.5		5%	0%
0600	SSE	15	21	16	23	3	ESE	3	6	4	8	6.0		20%	10%
1200	SE	15	20	16	22	3	ESE	3	5	4	7	3.5		15%	5%
1800	SE	16	22	18	24	3	ESE	3	5	4	7	10.5		5%	0%
Valid	Monday, October 19, 2020										Temperature (F): 81 / 78				
0000	SE	18	25	20	27	4	ESE	2	5	4	8	10.5		5%	0%
0600	SE	15	21	16	22	3	ESE	3	5	4	8	10.5		0%	0%
1200	ESE	14	20	15	22	3	SE	3	6	4	7	10.5		5%	5%
1800	E	13	18	15	19	2	SE	3	6	4	7	10.5		40%	30%
Valid	Tuesday, October 20, 2020										Temperature (F): 80 / 77				
0000	E	15	22	17	24	3	ESE	3	6	4	8	5.75		70%	65%
0600	ESE	15	21	17	23	3	ESE	3	7	5	9	7.25		75%	75%
1200	E	15	20	16	22	3	ESE	4	7	5	9	7.5		70%	70%
1800	E	15	21	17	23	3	ESE	4	7	5	9	7.0		50%	45%
Valid	Wednesday, October 21, 2020										Temperature (F): 80 / 76				
0000	E	19	26	20	28	5	SE	3	6	6	11	9.75		45%	40%
0600	E	18	26	20	28	5	SE	3	7	6	11	8.5		65%	65%
1200	E	18	25	20	27	4	ESE	4	7	6	11	2.5		70%	70%
1800	E	20	27	22	29	6	SE	2	7	6	11	2.25		65%	65%
Valid	Thursday, October 22, 2020										Temperature (F): 79 / 76				
0000	E	18	25	20	27	5	ESE	4	7	6	11	8.0		70%	65%
0600	E	13	18	14	20	3	ESE	5	6	6	11	5.0		65%	65%
1200	ENE	12	17	13	18	2	ESE	5	7	5	9	3.25		50%	50%
1800	ENE	12	17	13	18	2	ESE	4	7	5	9	3.0		35%	25%
Valid	Friday, October 23, 2020										Temperature (F): 79 / 75				
0000	ESE	11	15	11	16	1	ESE	4	6	4	8	3.5		45%	25%
0600	WNW	6	8	6	9	0	ESE	4	6	4	7	3.75		45%	25%
1200	NE	12	16	12	17	1	ESE	3	7	4	7	1.5		30%	20%
1800	NNE	15	21	17	23	2	ESE	3	7	4	7	7.0		20%	10%

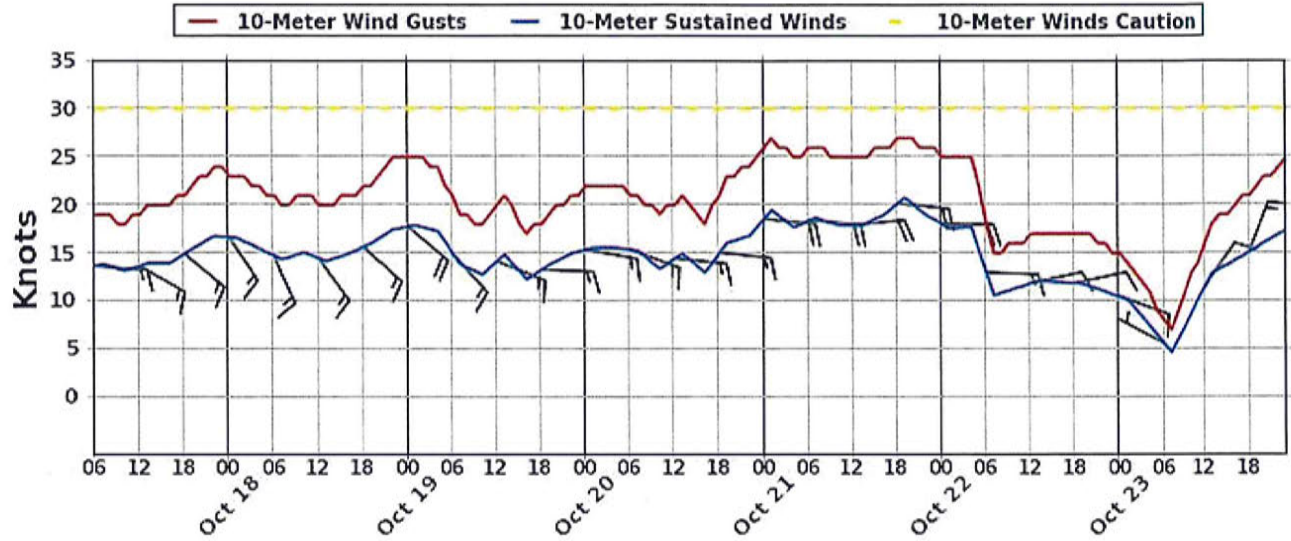
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

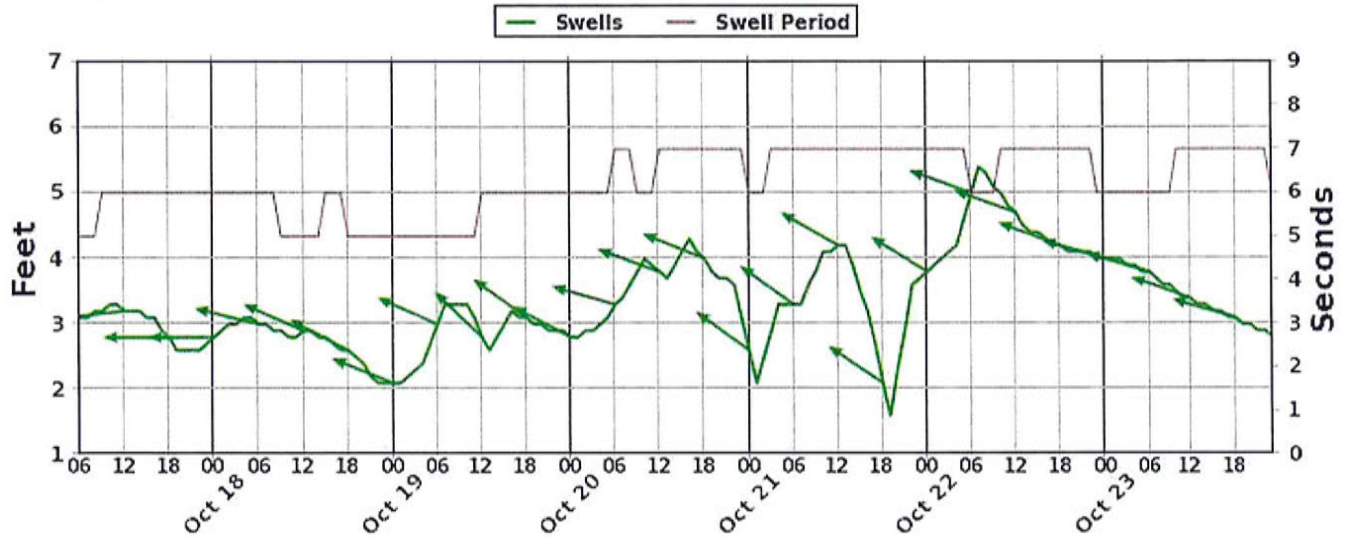
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



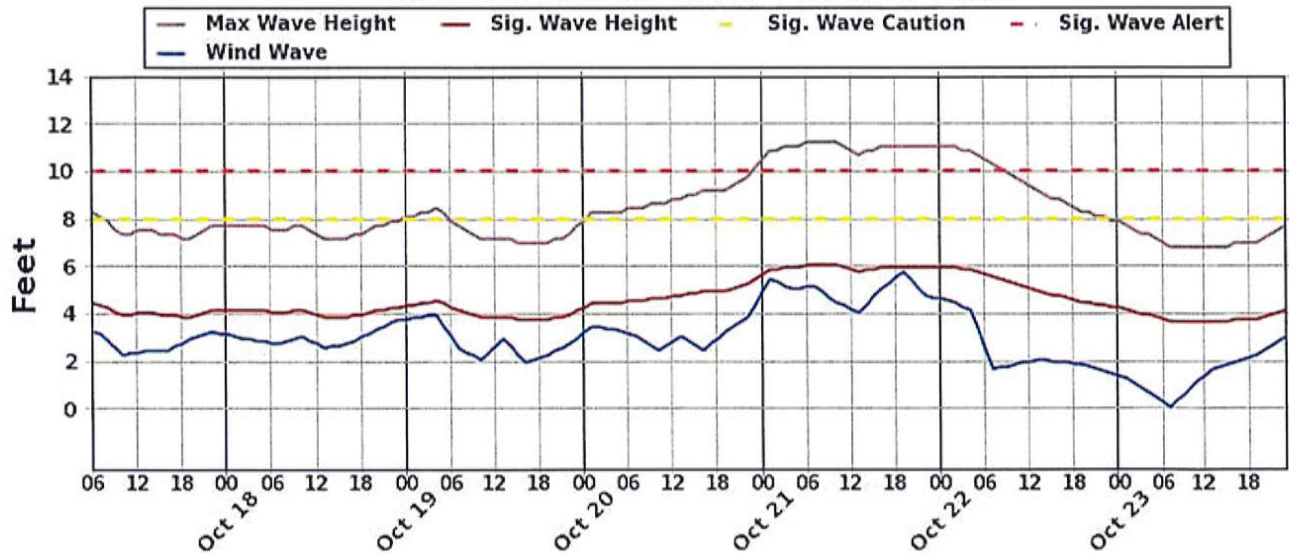
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Saturday, October 17, 2020 at 06:00AM CDT

Teekay Marine Solutions				SW Pass LZ			Position: 28.31 N 90.54 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Saturday, October 17, 2020										Temperature (F): 78 / 73				
0600	ENE	19	27	21	29	6	WNW	0 3	6	10	10.5		0%	0%	
1200	E	18	26	20	28	6	NE	2 5	6	11	10.5		0%	0%	
1800	E	15	21	17	23	4	ENE	4 6	5	10	10.5		0%	0%	
Valid	Sunday, October 18, 2020										Temperature (F): 81 / 76				
0000	ESE	15	20	16	22	3	ENE	4 6	5	9	10.5		0%	0%	
0600	SE	12	16	13	17	2	E	4 6	4	8	10.5		0%	0%	
1200	ESE	12	17	13	18	2	E	3 6	4	7	10.5		0%	0%	
1800	E	14	19	15	21	3	ESE	3 6	4	6	10.5		5%	5%	
Valid	Monday, October 19, 2020										Temperature (F): 80 / 77				
0000	E	16	22	18	24	4	SE	2 5	4	8	10.5		20%	15%	
0600	E	13	18	14	19	2	ESE	4 6	4	8	10.5		65%	55%	
1200	ENE	16	22	17	24	3	ESE	4 7	5	9	8.5		75%	65%	
1800	E	19	26	21	28	5	ESE	3 6	6	10	4.5		55%	55%	
Valid	Tuesday, October 20, 2020										Temperature (F): 81 / 77				
0000	E	20	27	22	29	6	SE	3 7	6	12	6.5		40%	35%	
0600	E	20	28	22	30	6	ESE	3 7	7	13	9.25		45%	45%	
1200	E	18	25	20	27	5	ESE	4 7	7	12	10.25		45%	40%	
1800	E	20	27	22	29	6	SE	4 7	7	13	9.5		60%	50%	
Valid	Wednesday, October 21, 2020										Temperature (F): 80 / 76				
0000	E	22	28	24	30	7	SE	4 7	8	14	3.0		65%	60%	
0600	E	19	26	21	29	5	ESE	4 7	7	13	3.5		80%	80%	
1200	E	20	27	22	29	6	SE	4 7	7	13	6.5		70%	70%	
1800	E	22	28	24	30	6	SE	4 7	7	13	4.5		75%	75%	
Valid	Thursday, October 22, 2020										Temperature (F): 80 / 75				
0000	E	19	26	21	28	6	ESE	4 7	7	13	2.25		85%	85%	
0600	ESE	20	26	22	28	6	ESE	3 6	7	13	2.0		75%	75%	
1200	ESE	17	24	19	26	4	ESE	5 7	7	12	3.0		65%	65%	
1800	E	17	24	19	26	4	ESE	5 7	6	12	1.5		55%	40%	
Valid	Friday, October 23, 2020										Temperature (F): 79 / 75				
0000	ESE	14	20	16	21	3	ESE	5 7	6	11	5.0		55%	30%	
0600	SSE	8	12	9	13	1	ESE	5 6	5	9	4.0		50%	30%	
1200	NNE	11	15	11	16	1	ESE	4 7	4	8	3.0		35%	20%	
1800	NNE	11	15	12	16	1	ESE	4 6	4	7	2.75		30%	15%	

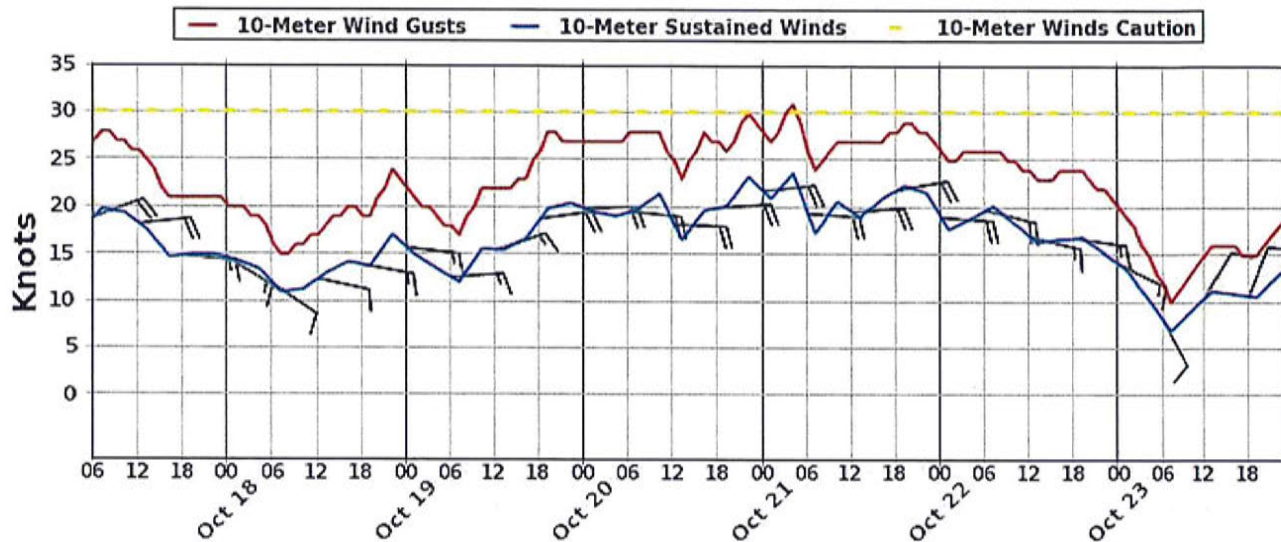
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

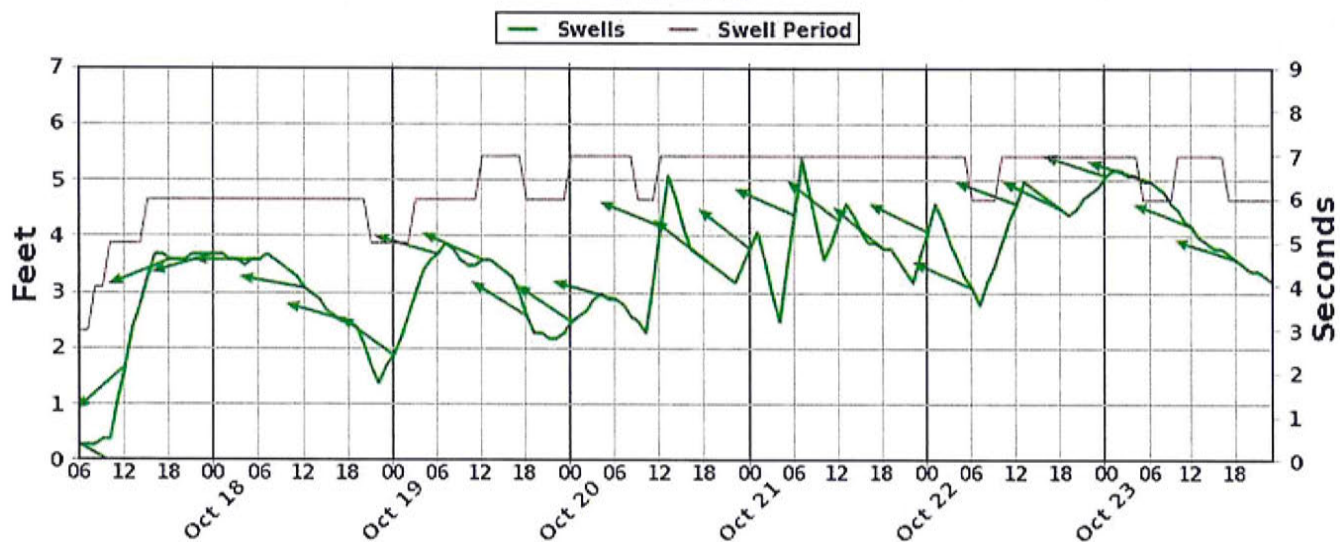
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



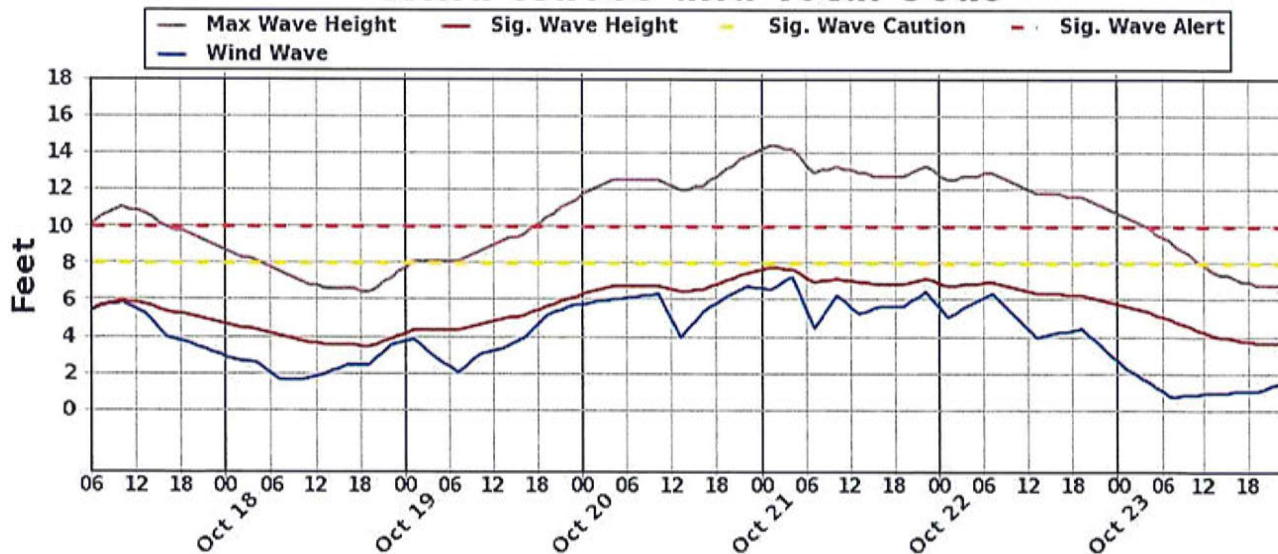
# Winds



# Swells



# Wind Waves and Total Seas





CONFIDENTIAL

**From:** [Brian Newman](#)  
**Sent:** Sunday, October 18, 2020 7:41 AM  
**Subject:** Daily Gulf Weather Forecast 18th October  
**Attachments:** Corpus\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201018T0600.pdf; Galveston\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201018T0600.pdf; Gulf\_of\_Mexico\_Planner\_10182020\_0600.pdf; Pascagoula\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201018T0600.pdf; Sabine\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201018T0600.pdf; SW\_Pass\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201018T0600.pdf

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Good day all,

Corpus LZ: Forecast shows suitable conditions throughout the week

GOLA LZ: Forecast shows possible brief high on Wednesday evening, but otherwise suitable through the week

Sabine LZ: Forecast shows forecast highs on Thursday early AM, but otherwise suitable through the week

SWPass LZ: Forecast shows forecast highs Tuesday through Thursday, with suitable conditions Friday through forecast end

Pasc LZ: Forecast shows intermittent highs Monday through forecast end, with mostly unsuitable conditions Wednesday and Thursday.

The weather forecast ends Saturday, October 24<sup>nd</sup>.

We will continue to monitor accordingly.

Best Regards

**Brian Newman**  
Commercial Operations Manager  
Teekay Shipping (USA), Inc.  
Mobile: [REDACTED]  
Email: [REDACTED]  
*Bringing energy to the world with Teekay Spirit*

ATINA 000728



Daily Planner

Issued: Sunday, October 18, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Sunday, October 18, 2020										Temperature (F): 82 / 79				
0600	S	15	21	17	22	3	ESE	4	6	5	9	10.5		0%	0%
1200	SSE	12	16	13	17	2	ESE	4	6	4	8	10.5		0%	0%
1800	SE	15	21	16	23	3	E	3	6	4	7	10.0		0%	0%
Valid	Monday, October 19, 2020										Temperature (F): 82 / 77				
0000	SSE	15	21	17	23	3	E	3	6	4	7	9.0		30%	25%
0600	SSE	14	20	16	21	3	ESE	3	6	4	8	7.0		75%	70%
1200	SSE	12	17	13	18	2	ESE	3	6	4	7	7.0		55%	55%
1800	SE	13	18	14	19	2	ESE	3	6	4	7	9.25		5%	5%
Valid	Tuesday, October 20, 2020										Temperature (F): 81 / 77				
0000	SE	16	22	17	24	3	ESE	2	5	4	7	10.5		0%	0%
0600	SE	11	15	12	16	2	ESE	3	5	4	7	10.5		5%	0%
1200	ESE	9	13	11	14	1	ESE	3	6	4	6	10.0		30%	25%
1800	E	11	16	13	18	2	ESE	3	6	3	6	9.0		30%	25%
Valid	Wednesday, October 21, 2020										Temperature (F): 80 / 78				
0000	ESE	14	20	15	22	3	E	3	7	4	8	10.5		55%	50%
0600	ESE	12	16	13	17	2	E	4	7	5	9	10.25		50%	45%
1200	E	12	17	13	18	2	ESE	5	7	5	9	10.5		40%	35%
1800	ENE	13	18	14	19	2	ESE	5	8	5	10	9.5		25%	20%
Valid	Thursday, October 22, 2020										Temperature (F): 80 / 76				
0000	E	14	20	16	21	3	E	5	8	5	10	7.5		45%	35%
0600	ESE	10	14	11	15	2	E	5	7	5	10	7.75		35%	30%
1200	E	8	12	9	13	1	E	5	7	5	9	8.75		25%	15%
1800	E	9	12	9	13	1	E	4	7	5	8	10.5		5%	5%
Valid	Friday, October 23, 2020										Temperature (F): 80 / 77				
0000	ESE	10	14	11	15	1	E	4	7	4	8	10.5		20%	10%
0600	S	7	11	8	12	1	E	4	7	4	7	10.5		15%	10%
1200	WSW	3	5	4	6	0	E	3	7	3	6	10.5		10%	5%
1800	E	7	10	8	11	1	E	3	7	3	6	10.5		5%	5%
Valid	Saturday, October 24, 2020										Temperature (F): 80 / 73				
0000	ESE	8	11	8	12	1	E	3	7	3	5	6.5		20%	15%
0600	NNE	16	23	17	25	2	E	3	7	3	6	4.5		20%	5%
1200	NNE	16	22	17	24	3	E	3	6	4	7	9.5		5%	0%
1800	NE	11	15	12	16	2	ENE	3	6	3	6	10.5		5%	0%

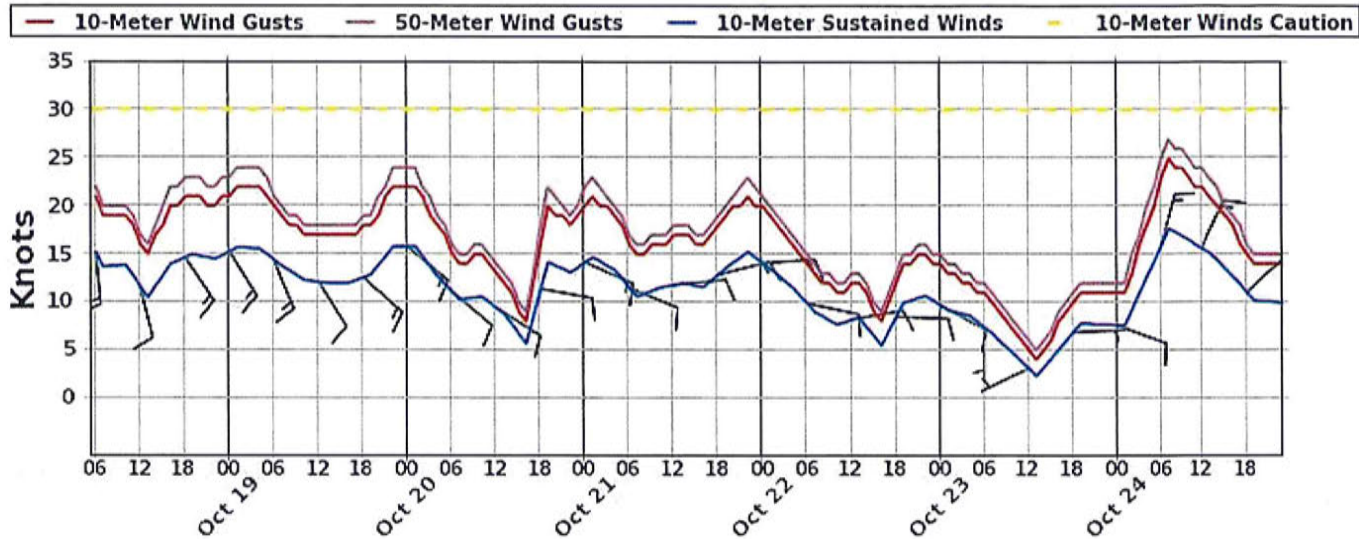
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

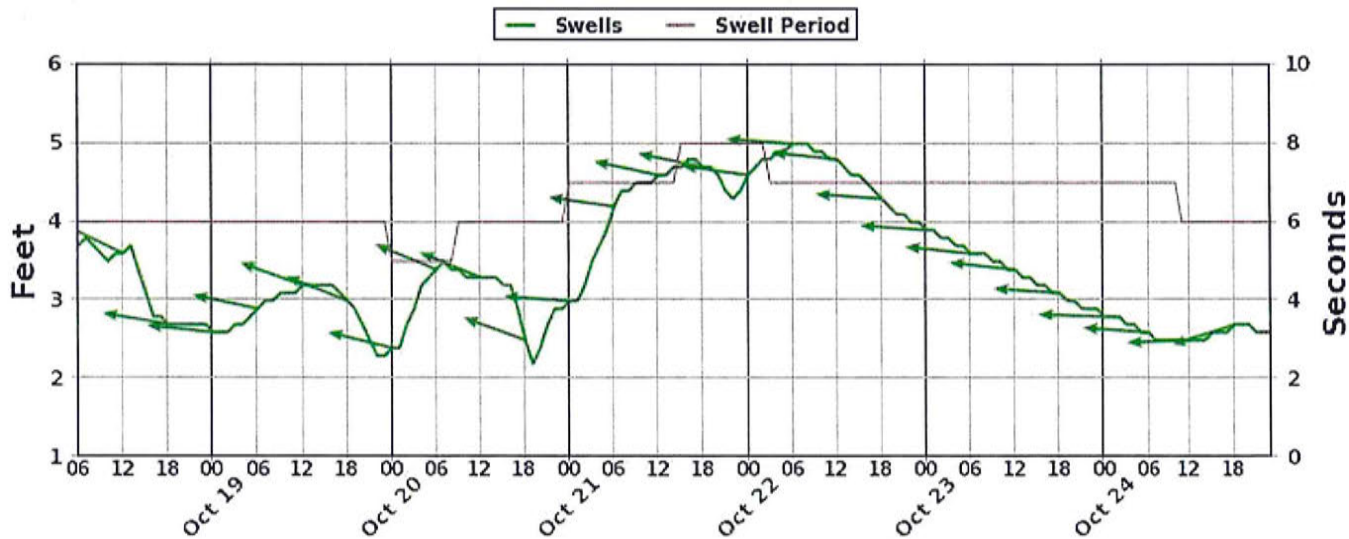
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



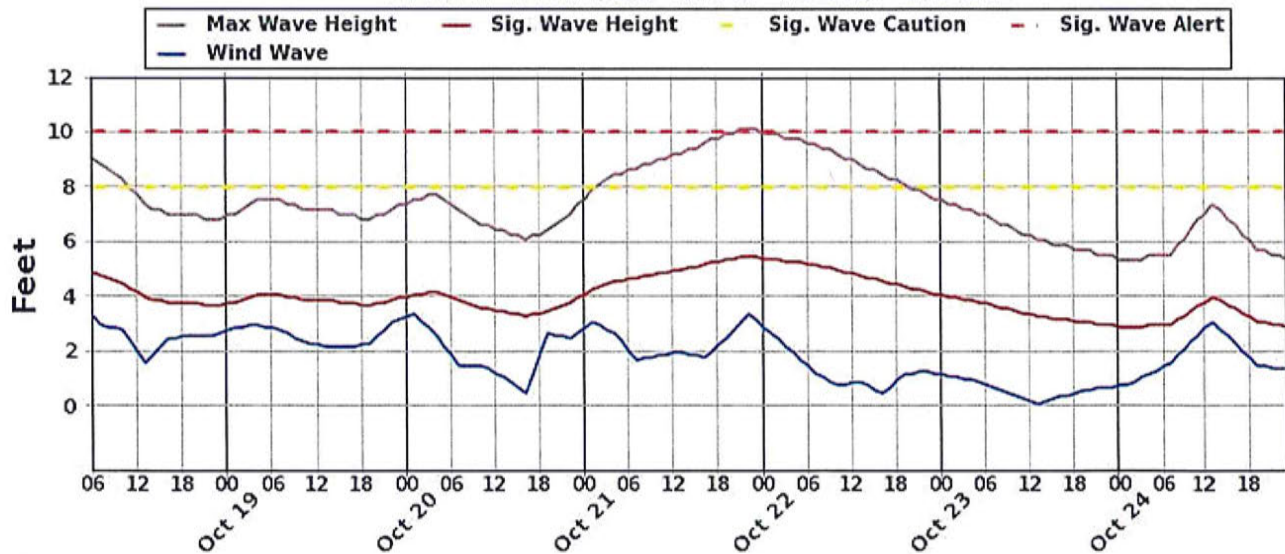
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Teekay Marine Solutions				Galveston LZ			Position: 28.58 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Sunday, October 18, 2020										Temperature (F): 82 / 79				
0600	S	15	21	16	23	3	ESE	3	6	5	8	10.5		35% 20%	
1200	SSE	10	14	11	15	1	SE	4	5	4	7	9.25		60% 40%	
1800	SE	13	18	14	19	2	SE	3	5	3	6	6.5		45% 35%	
Valid	Monday, October 19, 2020										Temperature (F): 81 / 78				
0000	SSE	15	21	17	23	3	ESE	3	5	4	7	9.25		35% 25%	
0600	SSE	15	20	16	22	3	ESE	3	5	4	8	10.25		20% 15%	
1200	SE	11	16	12	17	2	SE	3	5	4	7	10.5		25% 15%	
1800	SE	11	16	13	17	2	SE	3	5	3	6	10.5		0% 0%	
Valid	Tuesday, October 20, 2020										Temperature (F): 81 / 75				
0000	ESE	14	19	15	20	3	SE	2	5	4	6	10.5		35% 25%	
0600	ESE	8	11	8	11	1	ESE	3	5	3	6	9.75		85% 80%	
1200	ESE	11	16	12	17	2	ESE	3	6	4	6	8.0		85% 85%	
1800	ESE	14	20	15	21	3	ESE	3	7	4	7	8.0		45% 40%	
Valid	Wednesday, October 21, 2020										Temperature (F): 82 / 77				
0000	ESE	16	22	17	24	4	ESE	3	7	5	9	9.75		25% 25%	
0600	E	14	20	16	21	3	ESE	4	7	5	10	10.5		45% 40%	
1200	E	15	20	16	22	3	ESE	5	8	6	10	5.0		50% 50%	
1800	E	18	25	20	27	4	ESE	4	8	6	11	4.25		45% 40%	
Valid	Thursday, October 22, 2020										Temperature (F): 81 / 76				
0000	E	16	23	18	25	4	ESE	4	8	6	11	7.0		45% 45%	
0600	ESE	12	17	13	18	2	ESE	5	7	6	10	2.0		55% 55%	
1200	ENE	13	18	15	19	2	ESE	4	7	5	9	7.5		40% 35%	
1800	ENE	8	11	8	12	1	ESE	4	7	4	8	6.75		25% 20%	
Valid	Friday, October 23, 2020										Temperature (F): 81 / 77				
0000	ESE	9	13	10	14	1	ESE	4	7	4	7	9.25		30% 20%	
0600	WSW	2	4	2	4	0	ESE	4	7	4	7	10.5		30% 30%	
1200	N	6	9	7	10	0	ESE	3	7	3	6	10.5		15% 15%	
1800	NE	9	13	10	14	1	ESE	3	7	3	5	10.5		10% 5%	
Valid	Saturday, October 24, 2020										Temperature (F): 81 / 74				
0000	NE	5	7	6	8	0	ESE	3	7	3	5	7.0		25% 15%	
0600	NNE	13	19	14	20	1	ESE	2	7	3	5	5.5		25% 15%	
1200	NNE	15	22	17	24	3	E	2	6	3	6	9.75		15% 0%	
1800	NNE	12	16	13	18	2	E	2	5	3	6	10.5		10% 0%	

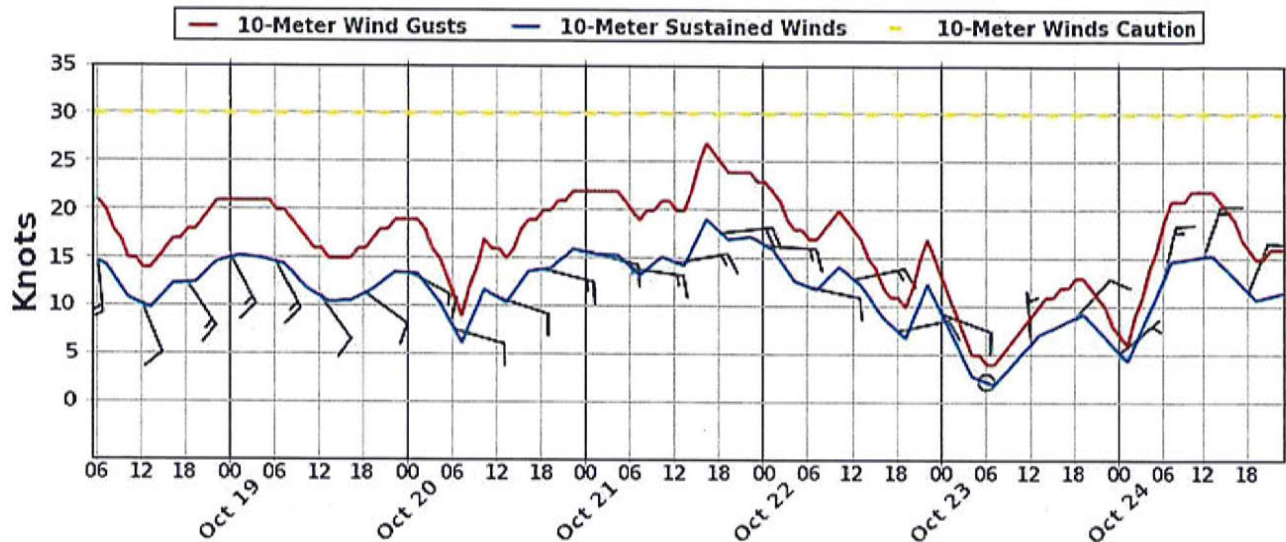
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

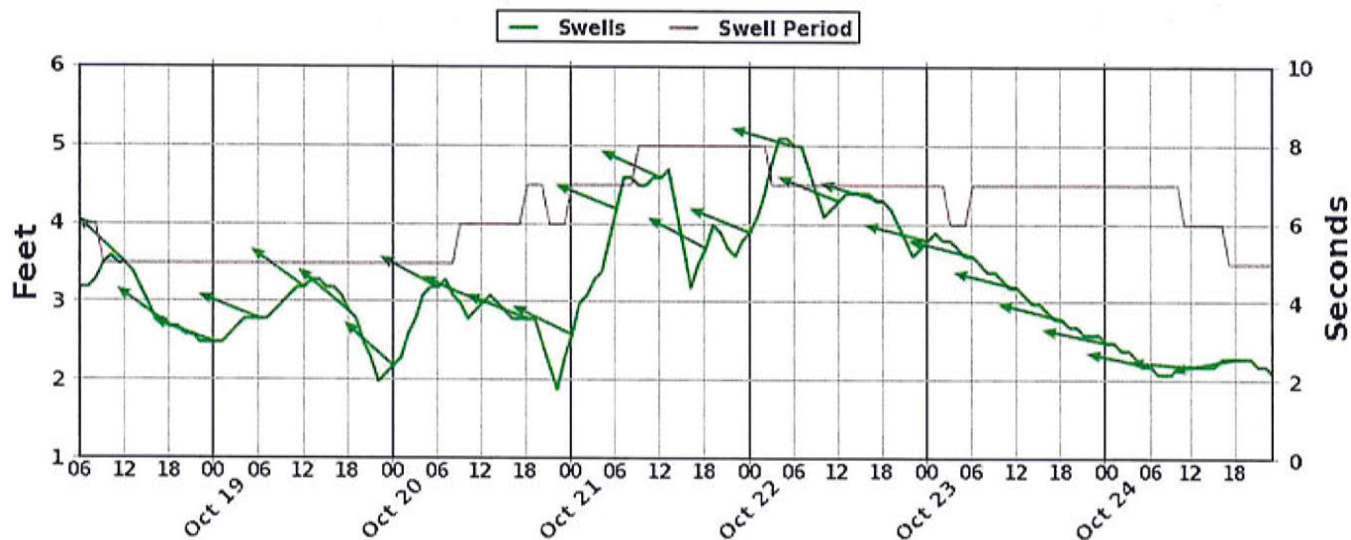
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



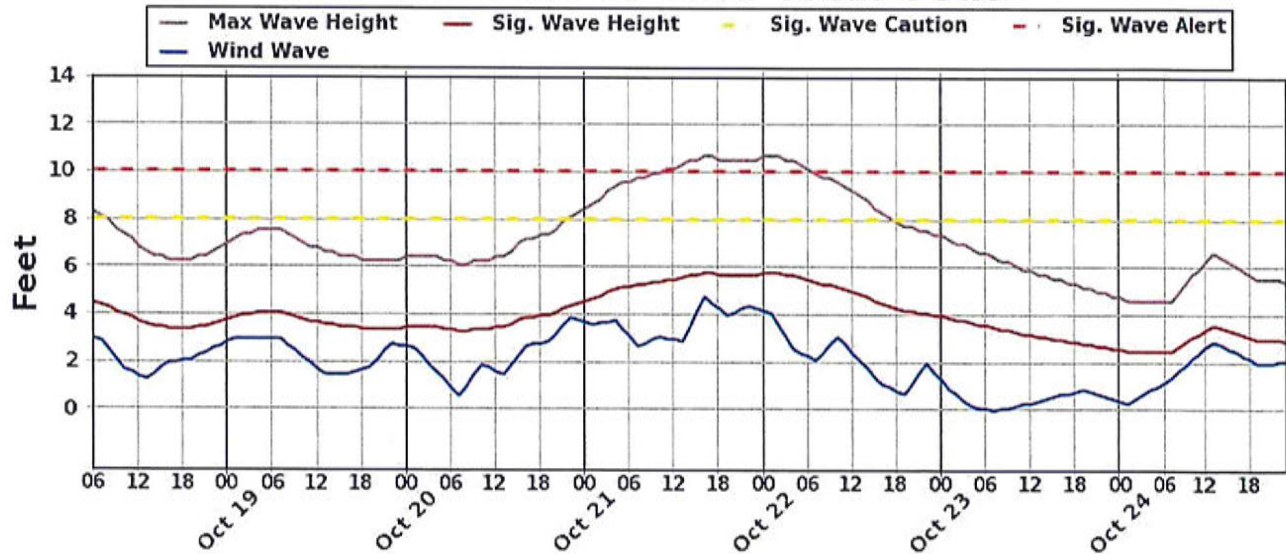
# CONFIDENTIAL WINDS



## Swells

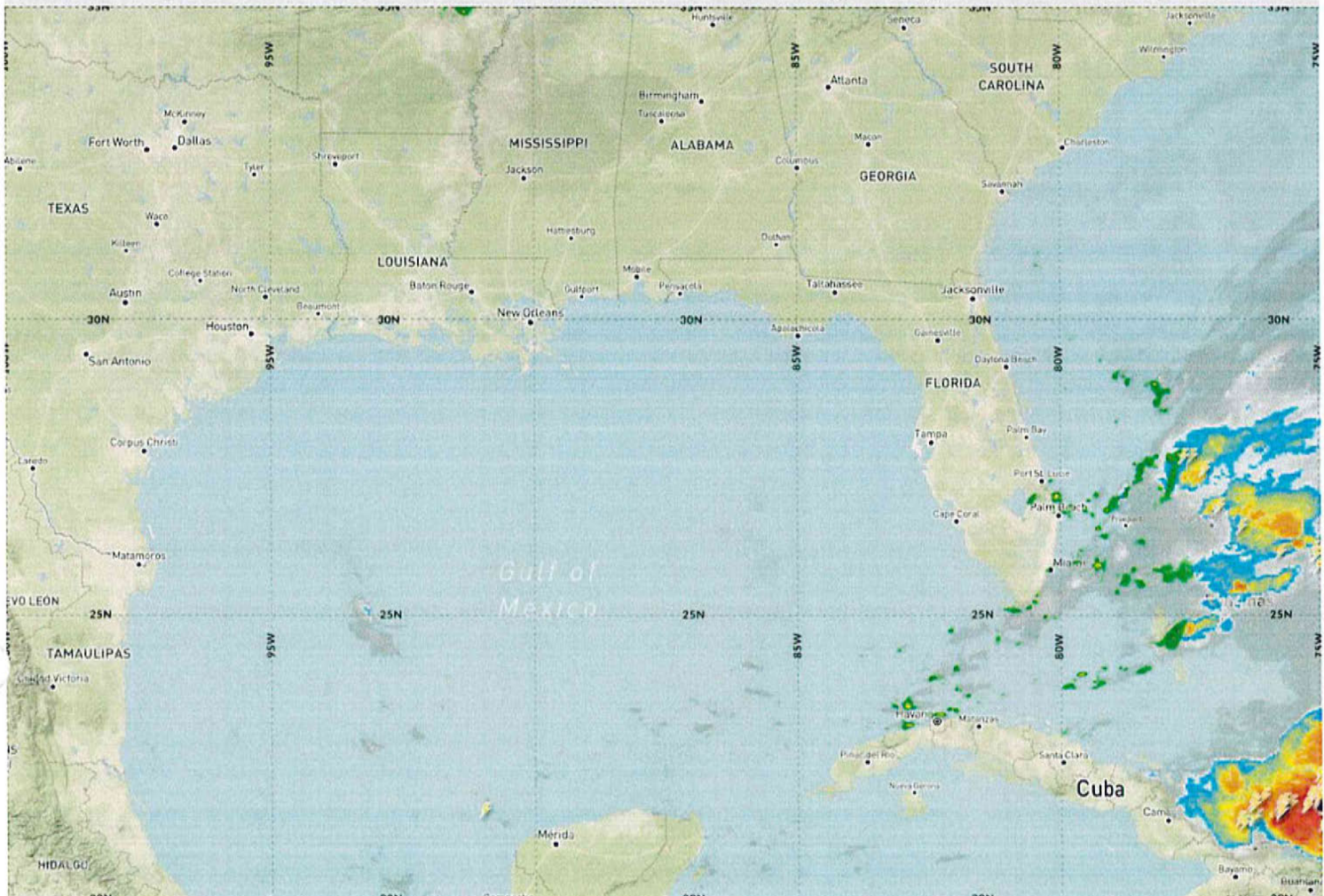


## Wind Waves and Total Seas





### Current Radar, Satellite, and Lightning



#### Today and Tomorrow's Weather

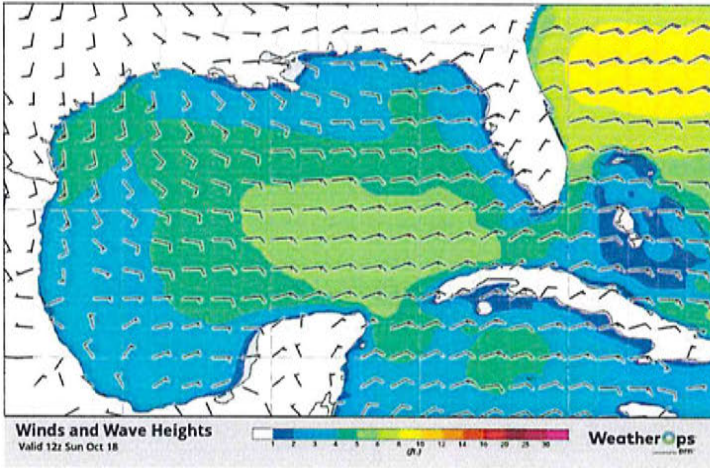
The southwestern periphery of a high pressure ridge extends into the Deep South and looks to remain in place through tomorrow as well. Further south, a trough is forecast to develop over the western Caribbean. The interaction between this trough and high to the north will provide a moderate to fresh E'ly breeze from Louisiana waters eastward. Expect moderate to at times fresh onshore winds for Texas waters. Sea heights between 3 to 5 feet are forecast across the western half of the Gulf of Mexico with building seas between 4 to 6 feet expected across the eastern half today and tomorrow.

#### Day Three through Seven Weather Hazards

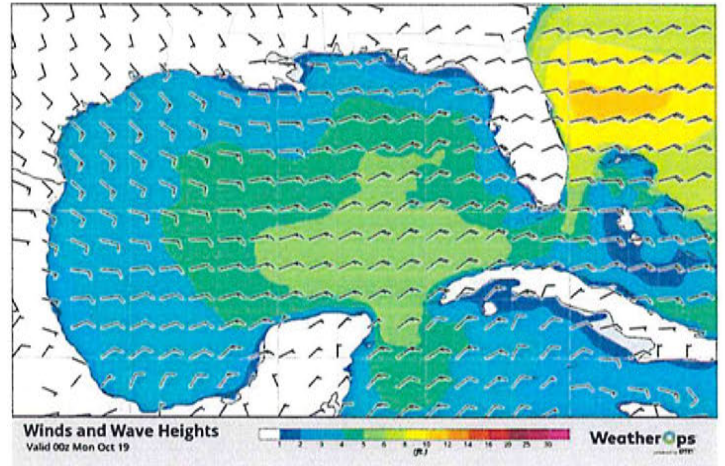
Fresh to strong E'ly winds are forecast to develop across most Lease Areas with the exception of Texas waters on Tuesday. These conditions could persist into Thursday before easing Friday. Sea heights will continue to build on Tuesday and Wednesday in response to the E'ly wind surge. Sea heights between 6 to 8 feet will be possible and could spread to Texas waters briefly before subsiding on Thursday. A cold front may follow on Saturday and produce a fresh to strong offshore flow for the entire Northern Gulf of Mexico.



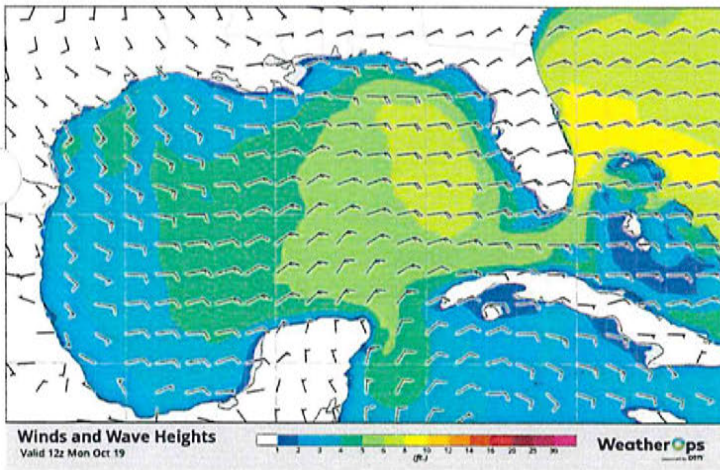
This Morning's Winds and Seas



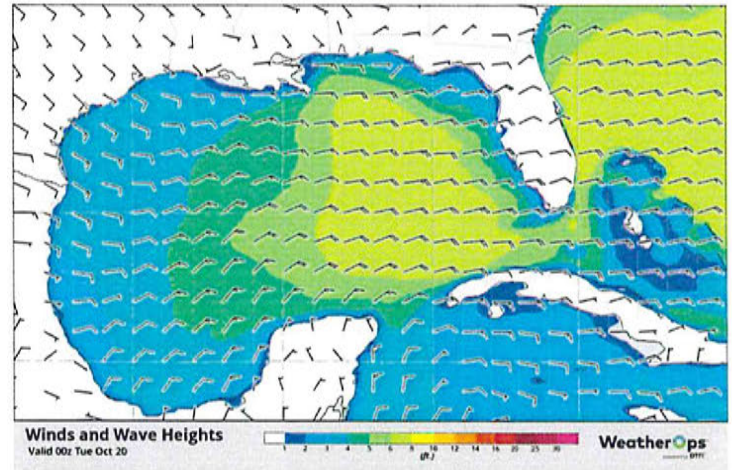
This Evening's Winds and Seas



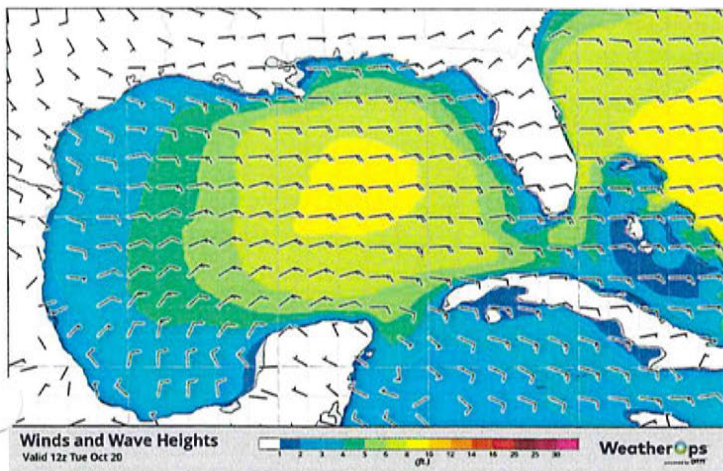
Tomorrow Morning's Winds and Seas



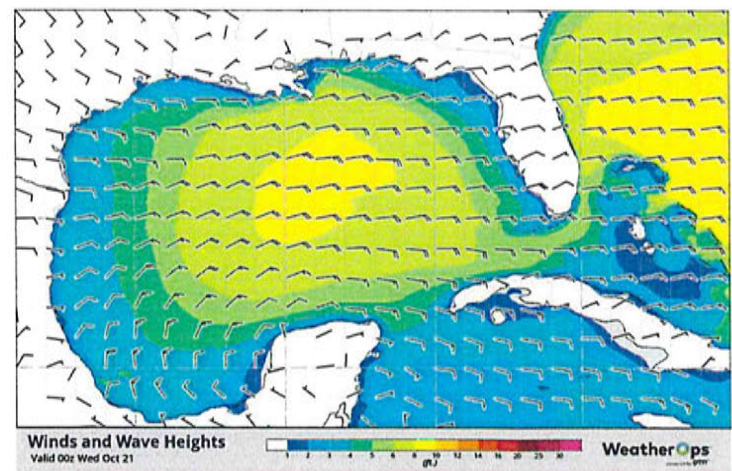
Tomorrow Evening's Winds and Seas



Day 3 Morning Winds and Seas

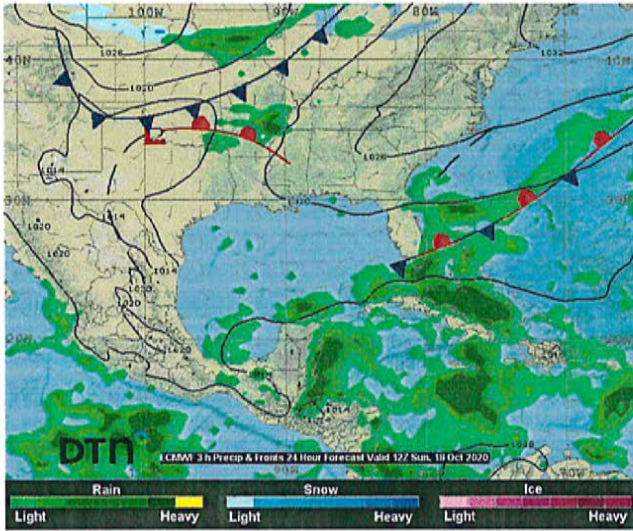


Day 3 Evening Wind and Seas

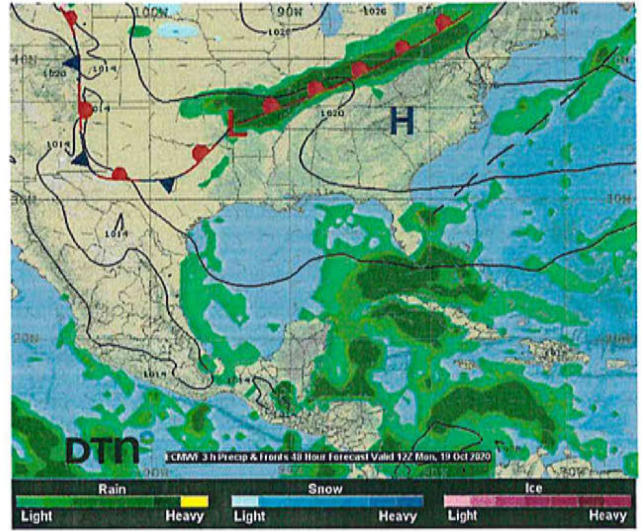




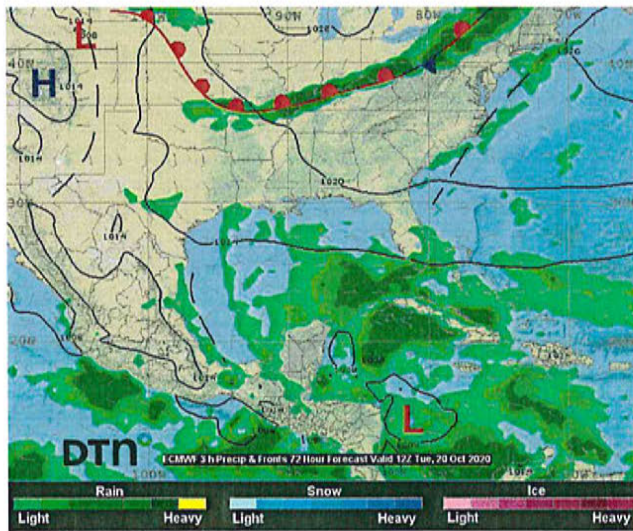
Day 1 Surface Chart



Day 2 Surface Chart



Day 3 Surface Chart



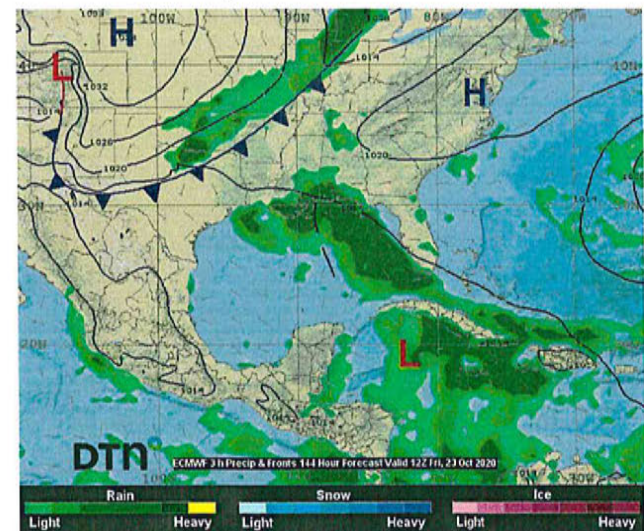
Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Teekay Marine Solutions				Pascagoula LZ			Position: 29.45 N 88.21 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 74				
0600	ESE	10	14	11	15	1	ESE	3	5	3	5	10.5		0%	0%
1200	E	12	17	13	18	2	ESE	2	4	3	5	10.5		0%	0%
1800	E	13	18	15	19	3	ESE	2	5	4	7	10.5		0%	0%
Valid	Monday, October 19, 2020										Temperature (F): 80 / 76				
0000	E	13	17	14	19	2	ESE	2	5	4	6	10.0		20%	10%
0600	E	13	18	14	19	3	SE	2	5	4	6	3.75		75%	75%
1200	E	15	21	17	23	4	SE	3	6	5	9	7.25		70%	60%
1800	E	17	24	19	26	4	SE	3	6	5	10	10.5		25%	20%
Valid	Tuesday, October 20, 2020										Temperature (F): 80 / 77				
0000	E	13	19	14	20	2	ESE	4	7	5	9	10.5		25%	15%
0600	E	16	22	17	24	3	SE	4	7	5	9	10.5		10%	10%
1200	E	17	24	19	26	4	SE	4	7	6	11	10.5		10%	5%
1800	ENE	17	23	18	25	4	SE	5	7	6	11	10.5		10%	10%
Valid	Wednesday, October 21, 2020										Temperature (F): 80 / 76				
0000	ENE	17	23	19	25	3	SE	5	7	6	10	5.5		30%	25%
0600	E	19	27	21	29	5	SE	4	7	6	11	4.25		45%	40%
1200	E	20	28	22	30	5	SE	4	7	7	13	7.25		65%	60%
1800	E	20	28	22	30	5	SE	5	7	7	12	5.0		60%	55%
Valid	Thursday, October 22, 2020										Temperature (F): 79 / 75				
0000	E	20	28	22	30	6	SE	4	7	7	13	8.0		75%	75%
0600	E	18	25	20	27	5	SE	4	7	7	13	3.0		80%	75%
1200	E	19	27	21	29	5	SE	4	7	7	13	2.25		75%	75%
1800	ESE	20	27	22	29	7	SE	4	7	8	14	1.5		70%	70%
Valid	Friday, October 23, 2020										Temperature (F): 79 / 75				
0000	SE	19	26	21	28	6	ESE	4	7	7	13	1.0		80%	80%
0600	SSW	8	14	9	15	1	ESE	6	6	6	11	3.5		75%	75%
1200	WSW	9	13	10	14	1	ESE	5	6	5	10	5.75		50%	50%
1800	W	8	11	8	12	1	ESE	4	6	4	8	7.75		30%	20%
Valid	Saturday, October 24, 2020										Temperature (F): 80 / 75				
0000	WNW	10	13	11	14	1	SE	4	6	4	7	6.75		35%	20%
0600	NNW	15	21	16	23	2	SE	3	6	4	6	6.0		30%	15%
1200	N	18	25	20	27	3	SE	2	6	4	7	9.75		15%	10%
1800	N	17	23	18	25	3	ESE	2	5	4	7	10.5		10%	5%

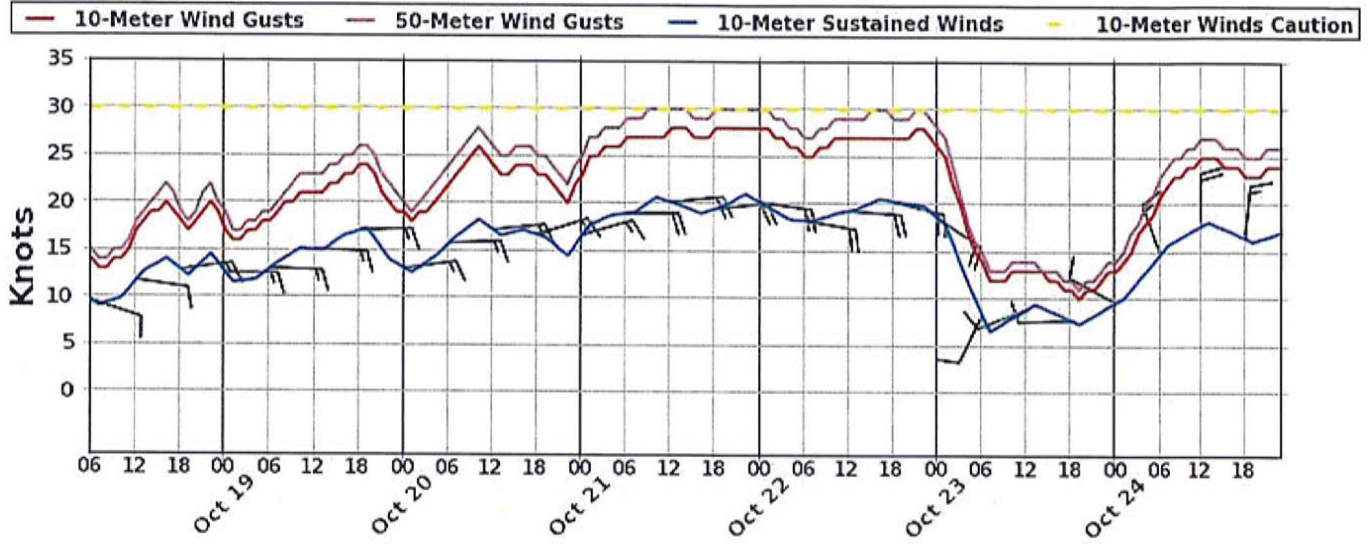
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

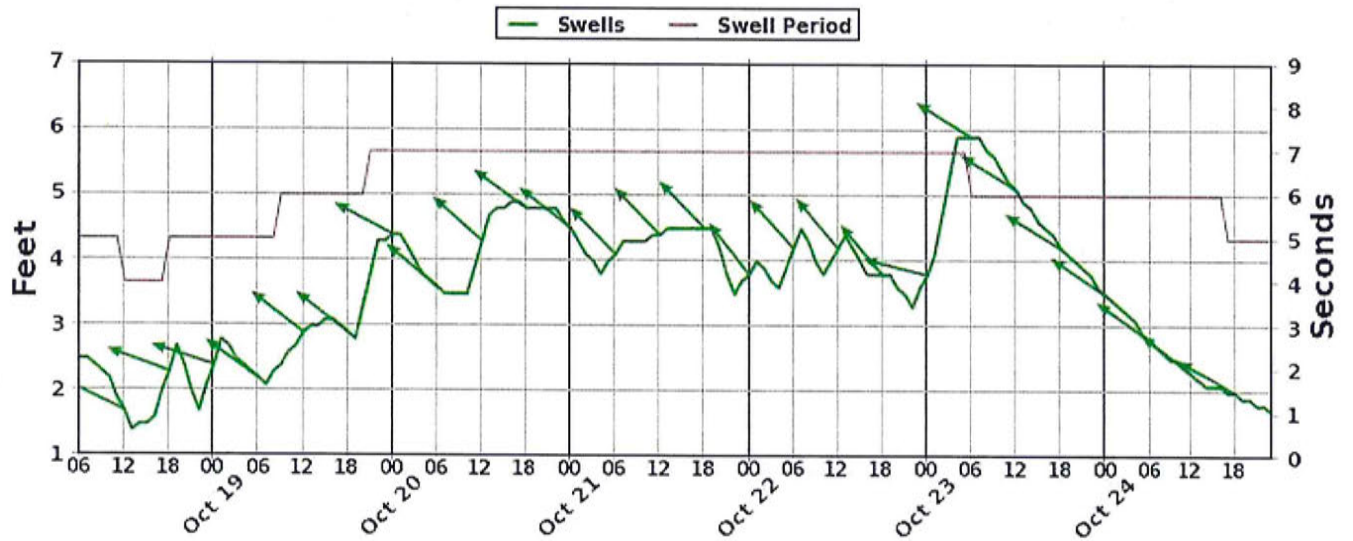
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



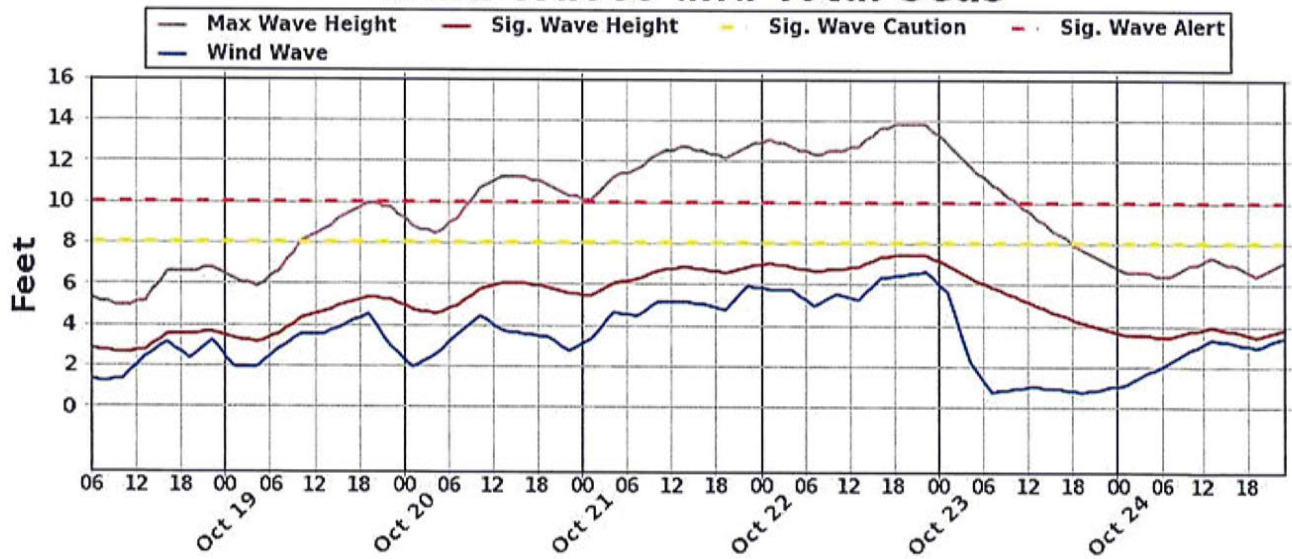
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Sunday, October 18, 2020 at 06:00AM CDT

Teekay Marine Solutions				Sabine LZ			Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Sunday, October 18, 2020										Temperature (F): 80 / 77				
0600	SSE	13	18	14	19	2	ESE	3	5	4	7	9.5		65%	35%
1200	SE	12	16	13	17	2	ESE	3	5	4	6	6.5		70%	60%
1800	SE	15	20	16	22	3	ESE	2	5	4	7	6.0		15%	10%
Valid	Monday, October 19, 2020										Temperature (F): 81 / 77				
0000	SE	16	22	17	24	3	ESE	2	5	4	7	5.75		15%	10%
0600	SE	13	17	14	18	2	ESE	3	5	4	7	10.5		0%	0%
1200	SE	12	17	13	18	2	SE	3	5	4	7	10.5		0%	0%
1800	ESE	11	15	12	16	2	SE	3	5	3	6	10.5		5%	5%
Valid	Tuesday, October 20, 2020										Temperature (F): 80 / 76				
0000	ESE	14	19	15	21	3	SE	2	6	3	6	7.0		60%	60%
0600	ESE	10	14	11	15	2	ESE	3	6	4	7	5.5		90%	90%
1200	ESE	11	15	12	16	2	ESE	3	6	4	7	3.5		75%	75%
1800	E	12	17	14	18	2	ESE	4	7	4	8	9.75		25%	20%
Valid	Wednesday, October 21, 2020										Temperature (F): 80 / 77				
0000	E	16	23	18	25	4	ESE	3	8	5	10	9.75		15%	15%
0600	E	15	22	17	24	4	ESE	4	8	6	11	8.0		35%	30%
1200	E	17	23	18	25	4	ESE	5	8	6	11	8.0		45%	45%
1800	E	15	21	16	23	4	ESE	5	7	6	11	3.75		35%	25%
Valid	Thursday, October 22, 2020										Temperature (F): 79 / 76				
0000	E	19	27	21	29	6	SE	3	7	6	11	6.0		60%	60%
0600	ESE	12	17	13	18	2	ESE	5	7	6	11	7.75		65%	65%
1200	E	8	12	9	13	1	ESE	5	7	5	9	8.5		60%	60%
1800	E	9	14	10	15	1	ESE	4	7	5	9	10.0		50%	40%
Valid	Friday, October 23, 2020										Temperature (F): 80 / 77				
0000	ESE	8	11	9	12	1	ESE	4	6	4	8	7.0		40%	30%
0600	SW	3	6	4	6	0	ESE	4	7	4	7	9.5		40%	35%
1200	NNW	6	8	6	9	0	ESE	3	7	3	6	10.5		25%	25%
1800	N	8	12	10	13	1	ESE	3	7	3	5	10.5		15%	10%
Valid	Saturday, October 24, 2020										Temperature (F): 80 / 75				
0000	N	8	11	9	12	1	ESE	3	7	3	5	9.5		25%	15%
0600	NNE	12	17	13	18	1	ESE	2	6	3	5	9.0		25%	10%
1200	NNE	16	22	17	24	3	E	2	6	4	6	10.25		15%	5%
1800	NNE	14	20	16	22	3	E	2	5	3	6	10.5		10%	0%

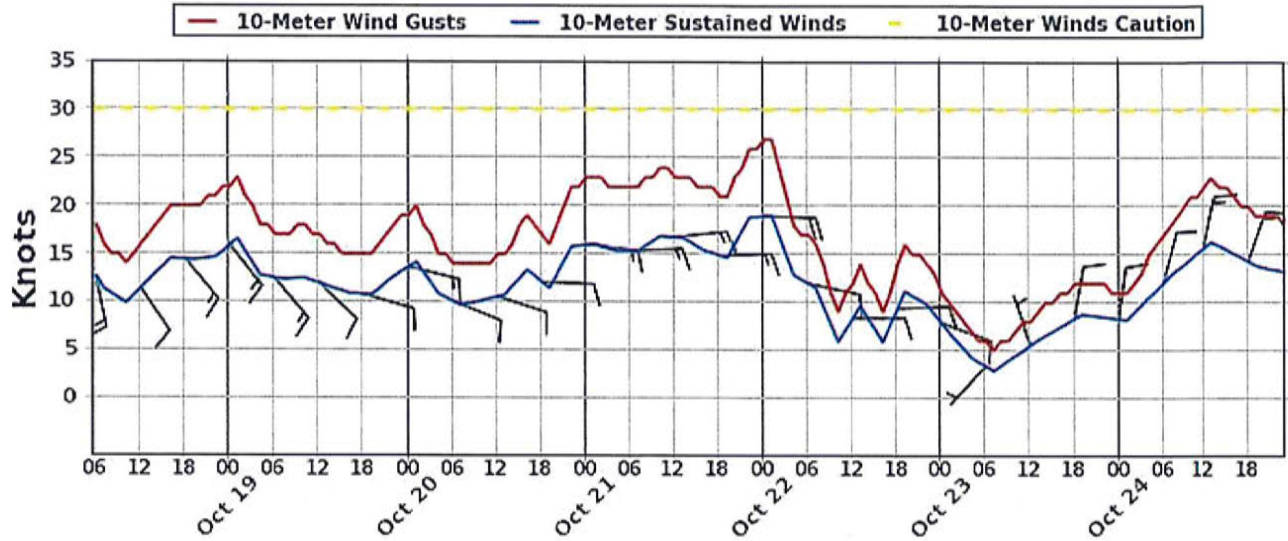
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

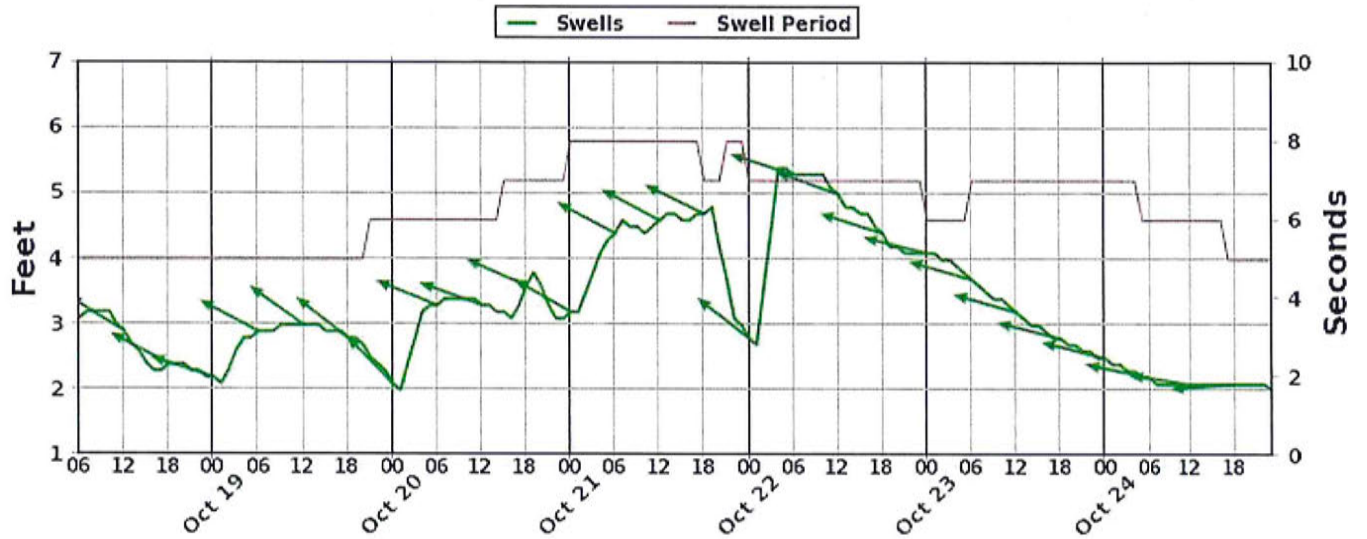
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



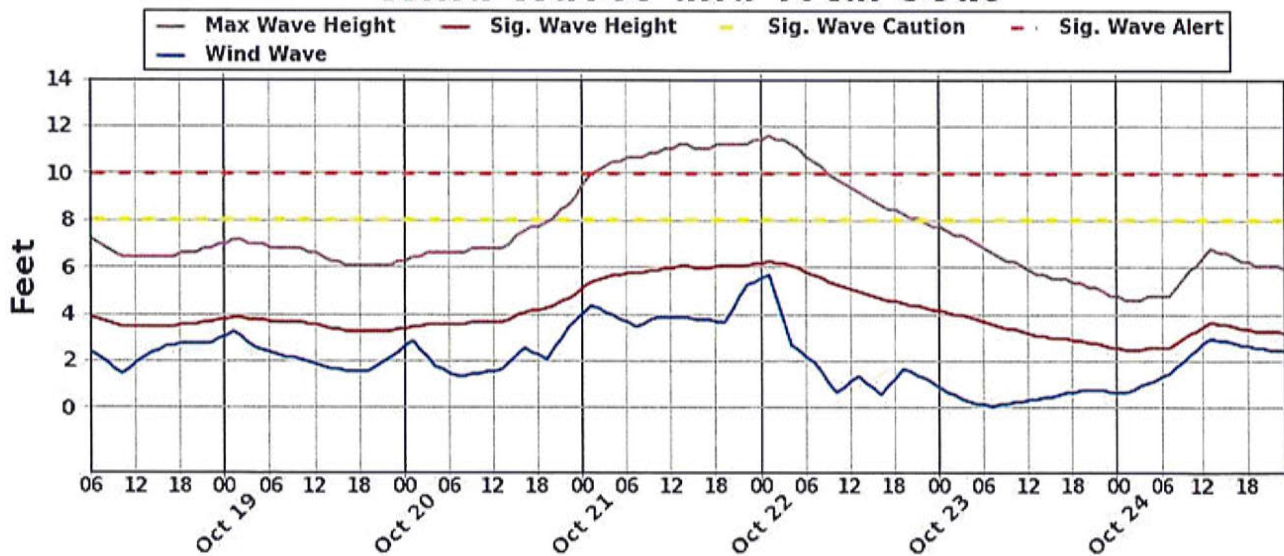
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Sunday, October 18, 2020 at 06:00AM CDT

Teekay Marine Solutions				SW Pass LZ			Position: 28.31 N 90.54 W						Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB		
Valid Sunday, October 18, 2020											Temperature (F): 81 / 77					
0600	SE	11	16	13	17	2	E	3	6	4	7	10.5		0%	0%	
1200	ESE	12	16	13	17	2	E	3	6	3	6	10.5		0%	0%	
1800	E	12	16	13	17	2	ESE	3	5	3	6	10.5		5%	5%	
Valid Monday, October 19, 2020											Temperature (F): 81 / 77					
0000	ESE	14	19	15	21	3	ESE	2	5	4	6	10.5		0%	0%	
0600	E	11	15	12	16	2	ESE	3	6	4	7	10.5		15%	10%	
1200	ENE	13	18	14	19	2	ESE	3	6	4	7	7.75		70%	65%	
1800	ENE	14	19	15	21	3	ESE	3	6	4	8	5.75		80%	75%	
Valid Tuesday, October 20, 2020											Temperature (F): 81 / 77					
0000	E	17	24	19	26	5	ESE	2	6	5	9	5.0		50%	45%	
0600	E	16	23	18	25	5	ESE	4	7	6	11	9.5		40%	35%	
1200	E	18	25	20	27	5	SE	4	7	6	12	10.5		25%	20%	
1800	ENE	20	27	22	29	5	ESE	5	8	7	13	4.0		45%	30%	
Valid Wednesday, October 21, 2020											Temperature (F): 80 / 75					
0000	E	21	28	24	30	7	SE	4	8	8	14	4.5		40%	40%	
0600	E	20	27	22	29	6	SE	4	8	8	14	3.25		45%	45%	
1200	E	19	27	21	29	6	SE	4	8	7	13	5.75		55%	50%	
1800	E	18	26	20	28	5	SE	5	7	7	13	2.5		75%	65%	
Valid Thursday, October 22, 2020											Temperature (F): 80 / 76					
0000	E	21	27	23	30	7	SE	3	7	8	14	2.5		80%	80%	
0600	ESE	19	26	21	28	6	ESE	4	7	7	14	2.5		85%	85%	
1200	E	17	24	19	26	5	ESE	5	7	7	13	3.0		75%	75%	
1800	E	11	16	12	17	2	ESE	6	7	6	11	8.0		60%	60%	
Valid Friday, October 23, 2020											Temperature (F): 80 / 77					
0000	SE	10	14	11	15	1	ESE	5	7	5	10	2.75		60%	60%	
0600	SW	4	7	4	8	0	ESE	5	7	5	9	4.75		50%	50%	
1200	NW	7	10	8	12	0	ESE	4	7	4	7	9.5		30%	30%	
1800	NNW	8	10	8	11	1	ESE	4	7	4	7	10.5		15%	10%	
Valid Saturday, October 24, 2020											Temperature (F): 80 / 76					
0000	N	4	7	5	7	0	ESE	3	6	3	6	10.5		15%	10%	
0600	NNW	12	16	12	17	1	ESE	3	6	3	6	10.5		15%	5%	
1200	N	15	21	17	23	2	E	2	6	3	6	10.5		10%	5%	
1800	N	15	21	16	23	3	E	2	5	3	6	10.5		5%	0%	

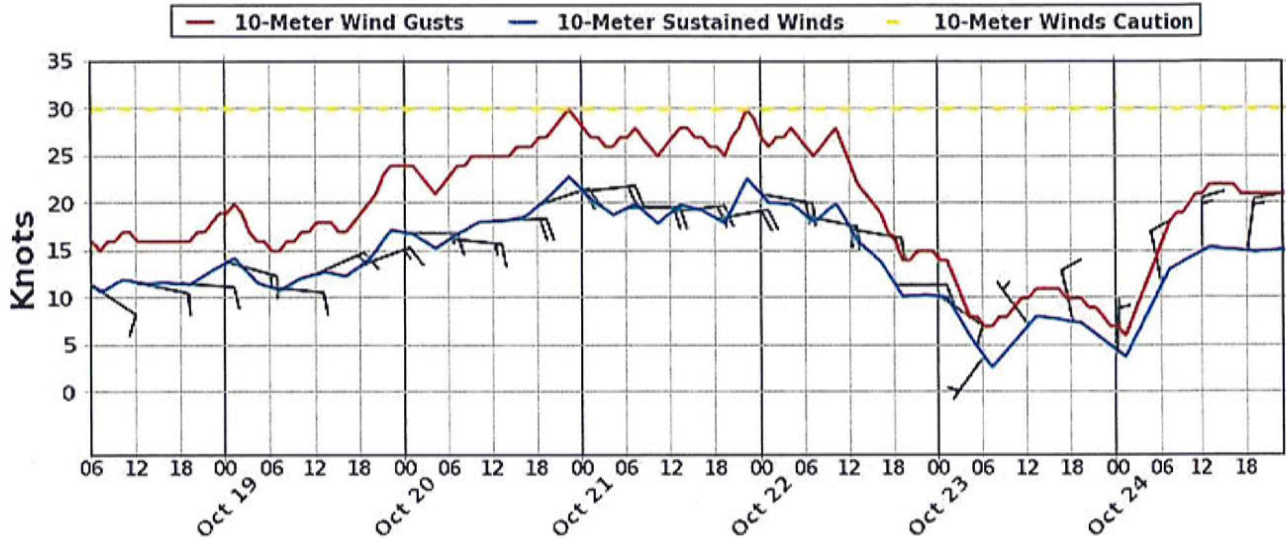
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

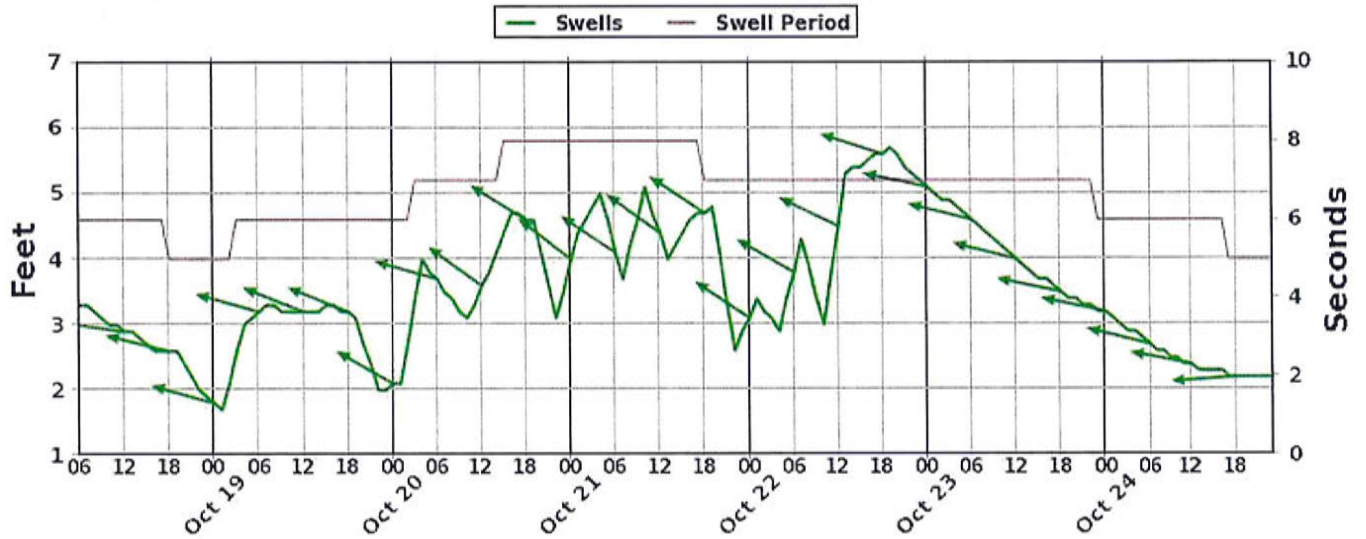
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



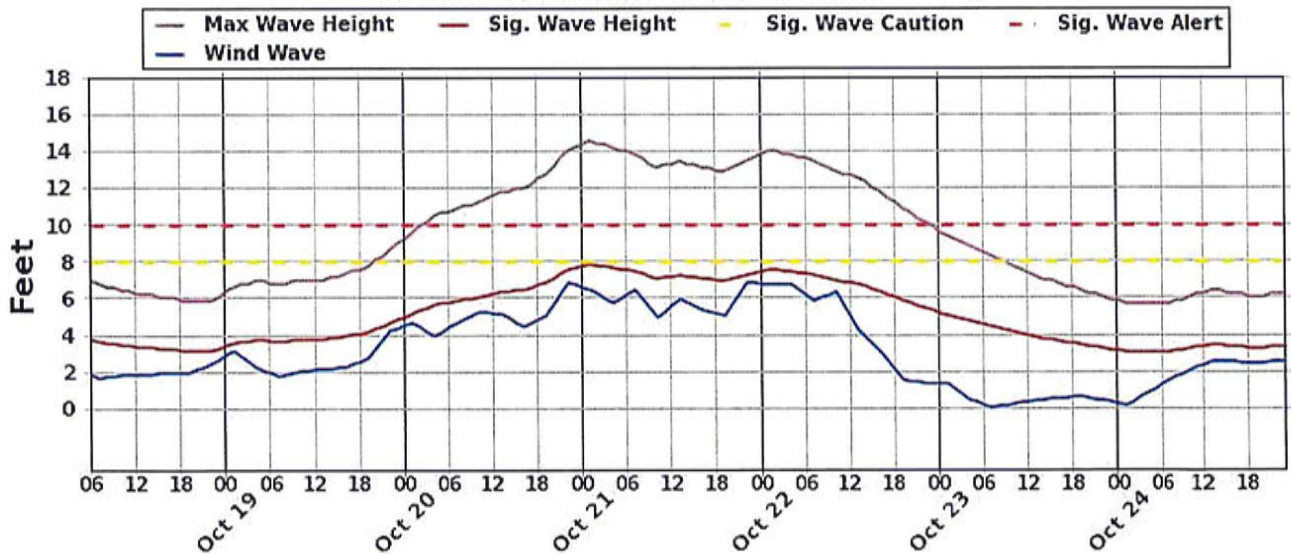
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





CONFIDENTIAL

**From:** [Graceanna Werner](#)  
**Sent:** Monday, October 19, 2020 8:30 AM  
**Subject:** Daily Gulf Weather Forecast 19th October  
**Attachments:** Corpus\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201019T0600.pdf; Galveston\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201019T0600.pdf; Gulf\_of\_Mexico\_Planner\_10192020\_0600.pdf; Pascagoula\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201019T0600.pdf; Sabine\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201019T0600.pdf; SW\_Pass\_LZ-Marine\_Daily\_Planner-Teekay\_Marine\_Solutions-20201019T0600.pdf

---

Good day all,

GOLA LZ / Sabine LZ / Corpus LZ: Forecast shows forecast high on the 22<sup>nd</sup> AM.

Pasc LZ / SWPass LZ: Forecast shows intermittent forecast highs starting on the 22<sup>nd</sup> and ending on the 22<sup>nd</sup> PM in SWPass LZ and ending on the 23<sup>rd</sup> PM in Pasc LZ.

The weather forecast ends Sunday, October 25<sup>th</sup>.

We will continue to monitor accordingly.

Best regards,



**Graceanna Werner**  
Commercial Operations Coordinator  
Teekay Shipping (USA) Inc  
mobi [REDACTED]  
emai [REDACTED]

BRINGING ENERGY TO THE WORLD

ATINA 000742



Daily Planner

Issued: Monday, October 19, 2020 at 06:00AM CDT

Teekay Marine Solutions				Corpus LZ			Position: 27.56 N 96.67 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP %	TSTM PROB	
Valid	Monday, October 19, 2020											Temperature (F): 81 / 77			
0600	SSE	14	19	16	20	3	ESE	3	6	4	8	8.0		85%	85%
1200	SSE	12	17	13	18	2	ESE	3	6	4	7	8.0		55%	45%
1800	SE	12	16	13	17	2	ESE	3	6	4	7	10.5		0%	0%
Valid	Tuesday, October 20, 2020											Temperature (F): 81 / 76			
0000	SE	15	21	17	23	3	ESE	3	6	4	7	10.5		5%	5%
0600	SE	11	16	13	17	2	ESE	3	6	4	7	10.5		0%	0%
1200	ESE	9	13	10	14	1	ESE	3	6	4	7	9.0		10%	10%
1800	E	12	16	13	17	2	ESE	3	7	4	7	6.0		5%	5%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 78			
0000	ESE	14	20	15	21	3	E	3	7	4	8	7.5		75%	70%
0600	ESE	10	14	11	15	1	E	4	7	4	8	9.5		45%	40%
1200	E	10	15	12	16	1	E	4	7	5	9	10.5		15%	10%
1800	E	13	19	15	20	2	ESE	4	8	5	9	10.5		10%	5%
Valid	Thursday, October 22, 2020											Temperature (F): 81 / 77			
0000	ESE	14	19	15	21	3	E	4	8	5	10	10.5		25%	25%
0600	ESE	9	13	10	14	1	E	5	7	5	9	10.5		20%	15%
1200	ESE	7	10	8	11	1	E	5	7	5	9	10.5		5%	5%
1800	E	9	12	10	13	1	E	4	7	4	8	10.5		0%	0%
Valid	Friday, October 23, 2020											Temperature (F): 80 / 77			
0000	ESE	11	16	12	17	2	E	4	7	4	8	10.5		5%	0%
0600	S	7	10	8	11	1	E	4	7	4	7	10.5		5%	0%
1200	ESE	2	4	2	4	0	E	3	7	3	6	10.5		5%	0%
1800	E	10	14	11	15	1	E	3	7	3	5	10.5		5%	0%
Valid	Saturday, October 24, 2020											Temperature (F): 80 / 73			
0000	E	9	13	10	14	1	E	3	6	3	5	7.75		20%	10%
0600	NNE	12	17	13	19	1	E	2	6	3	5	2.5		15%	5%
1200	NNE	15	21	16	23	3	E	2	6	4	6	9.25		5%	0%
1800	ENE	10	14	11	15	1	ENE	3	5	3	6	10.5		0%	0%
Valid	Sunday, October 25, 2020											Temperature (F): 80 / 76			
0000	ESE	10	15	11	16	1	ENE	2	6	3	5	10.5		10%	0%
0600	SSE	13	18	14	19	2	E	2	5	3	5	10.5		10%	0%
1200	SSE	12	17	13	18	2	E	2	5	3	5	10.5		10%	0%
1800	SE	15	20	16	22	2	ESE	2	5	3	5	10.5		10%	0%

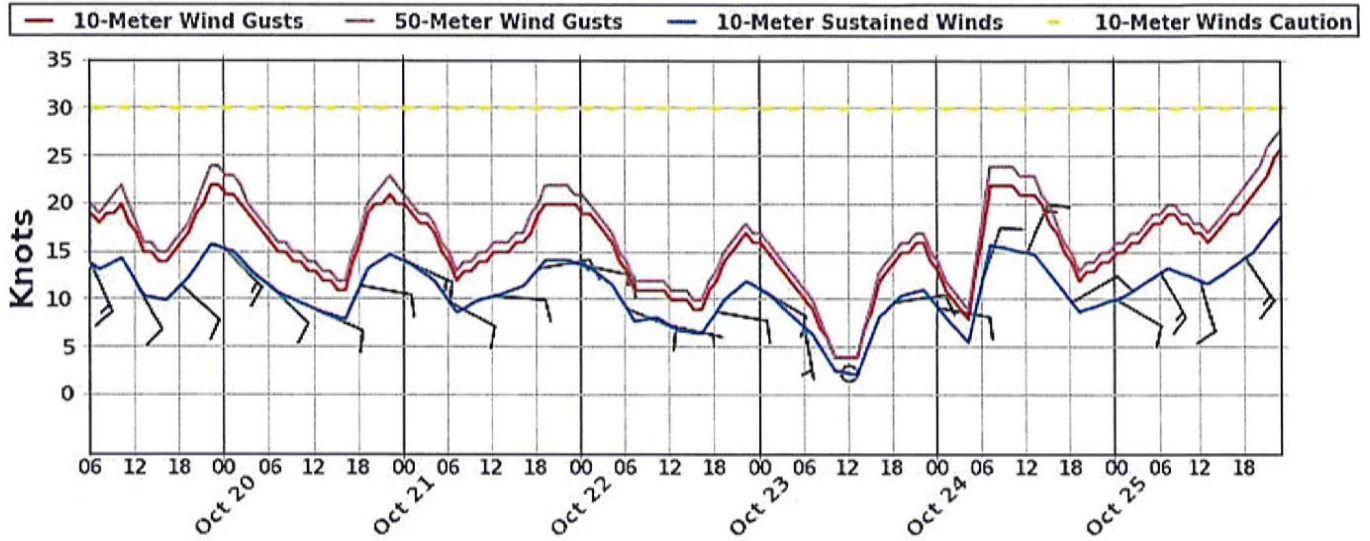
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

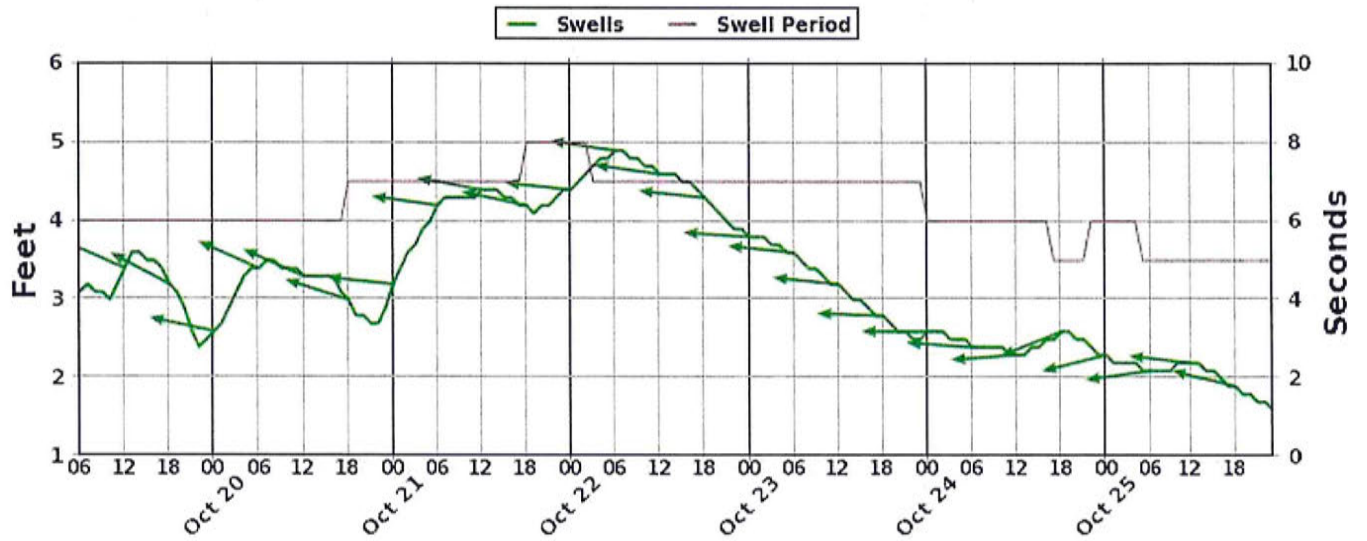
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



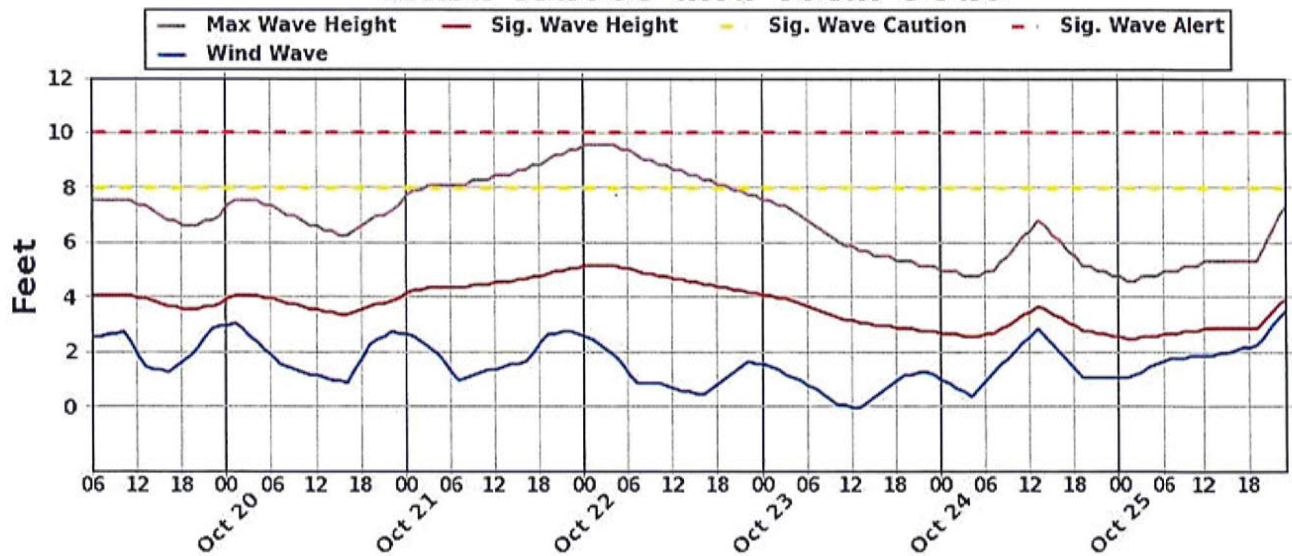
# CONFIDENTIAL WINDS



## Swells



## Wind Waves and Total Seas





Daily Planner

Issued: Monday, October 19, 2020 at 06:00AM CDT

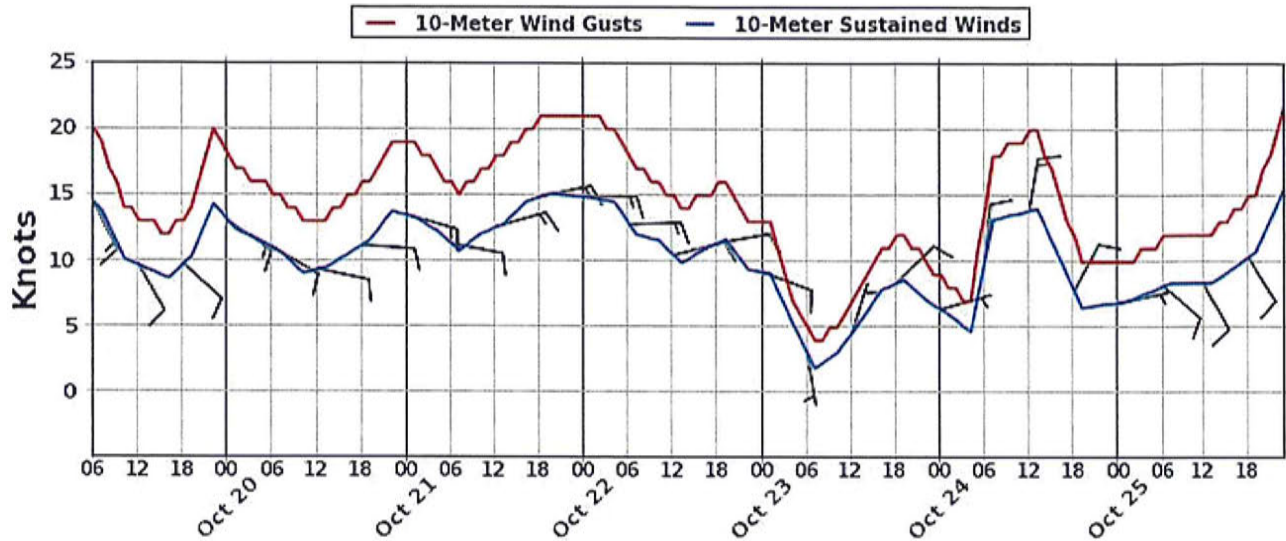
Teekay Marine Solutions			Galveston LZ				Position: 28.58 N 94.82 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST		50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB		
Valid	Monday, October 19, 2020											Temperature (F): 82 / 78			
0600	SSE	14	20	16	21	3	ESE	3	5	4	8	6.0	30%	30%	
1200	SSE	10	13	10	14	1	SE	4	5	4	7	5.5	25%	20%	
1800	SE	10	13	11	14	1	SE	3	5	3	6	9.0	0%	0%	
Valid	Tuesday, October 20, 2020											Temperature (F): 82 / 76			
0000	SE	13	18	15	19	2	SE	3	6	4	7	10.5	10%	10%	
0600	ESE	11	15	12	16	2	ESE	3	6	4	6	6.75	85%	85%	
1200	ESE	9	13	10	14	1	ESE	3	6	4	7	2.5	95%	95%	
1800	E	11	16	13	17	2	ESE	3	7	4	7	9.5	35%	30%	
Valid	Wednesday, October 21, 2020											Temperature (F): 81 / 77			
0000	ESE	14	19	15	20	3	ESE	4	7	4	8	10.5	10%	10%	
0600	E	11	16	13	17	2	ESE	4	7	5	9	10.5	25%	15%	
1200	ENE	13	18	14	19	2	ESE	4	7	5	9	9.0	40%	35%	
1800	ENE	15	21	17	23	3	ESE	4	8	5	9	10.0	15%	10%	
Valid	Thursday, October 22, 2020											Temperature (F): 81 / 77			
0000	E	15	21	16	23	3	ESE	4	8	5	10	10.5	30%	25%	
0600	E	13	18	14	19	3	ESE	5	7	5	10	10.5	35%	25%	
1200	ENE	11	15	12	16	2	ESE	4	7	5	9	9.5	35%	20%	
1800	E	11	16	13	17	2	ESE	4	7	4	8	10.25	10%	0%	
Valid	Friday, October 23, 2020											Temperature (F): 81 / 77			
0000	ESE	9	13	10	14	1	E	4	6	4	7	10.5	5%	0%	
0600	S	3	5	3	5	0	ESE	3	6	3	6	10.5	10%	5%	
1200	NNE	5	7	5	8	0	ESE	3	6	3	5	10.5	10%	5%	
1800	NE	8	12	9	13	1	ESE	2	6	3	5	10.5	5%	0%	
Valid	Saturday, October 24, 2020											Temperature (F): 81 / 74			
0000	ENE	6	9	7	10	1	E	2	6	2	4	8.5	25%	10%	
0600	N	10	14	12	15	1	ESE	2	6	2	4	4.5	20%	5%	
1200	N	14	20	15	22	2	E	2	6	3	6	9.5	5%	0%	
1800	NNE	8	12	8	13	1	ENE	2	5	3	5	10.5	0%	0%	
Valid	Sunday, October 25, 2020											Temperature (F): 80 / 76			
0000	ENE	7	10	8	11	1	ENE	2	5	2	4	10.5	5%	0%	
0600	SE	8	12	9	13	1	E	2	5	2	4	10.5	5%	0%	
1200	SSE	8	12	9	13	1	E	2	5	2	4	10.5	5%	0%	
1800	SSE	10	15	12	16	1	E	2	5	2	4	10.5	10%	0%	

Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

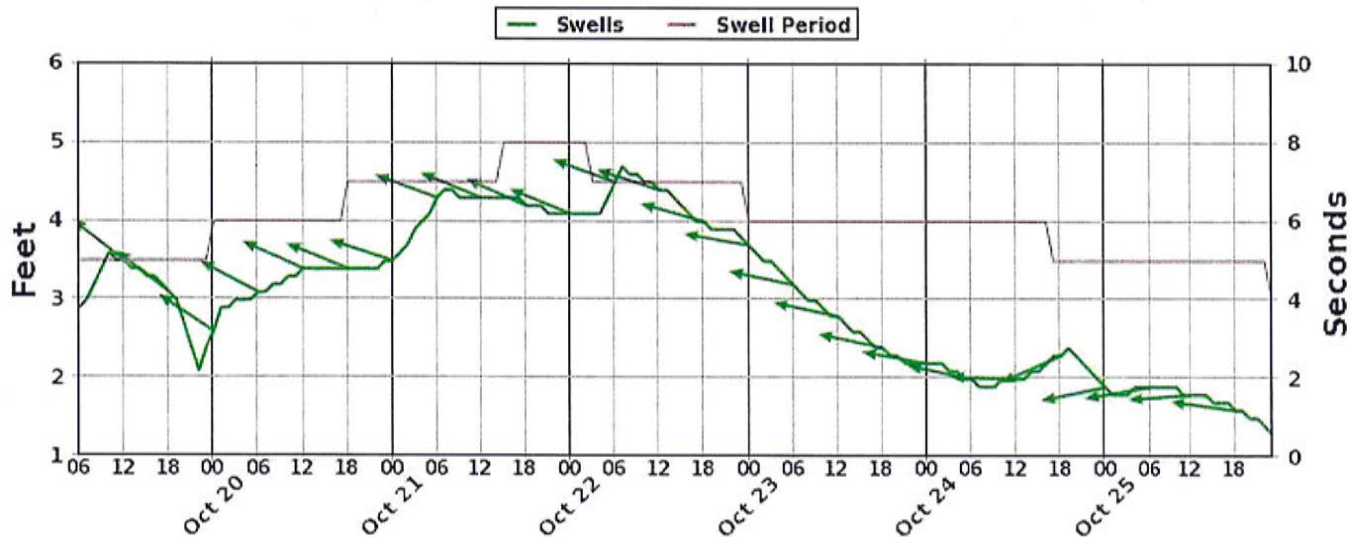
Apparent Temperature Definition
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.
Sea State Definitions
<b>Significant Wave Height (SIG WAVE)</b> - Average of the highest 1/3 of waves. Combination of swell and wind waves.
<b>Maximum Wave Height (MAX WAVE)</b> - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



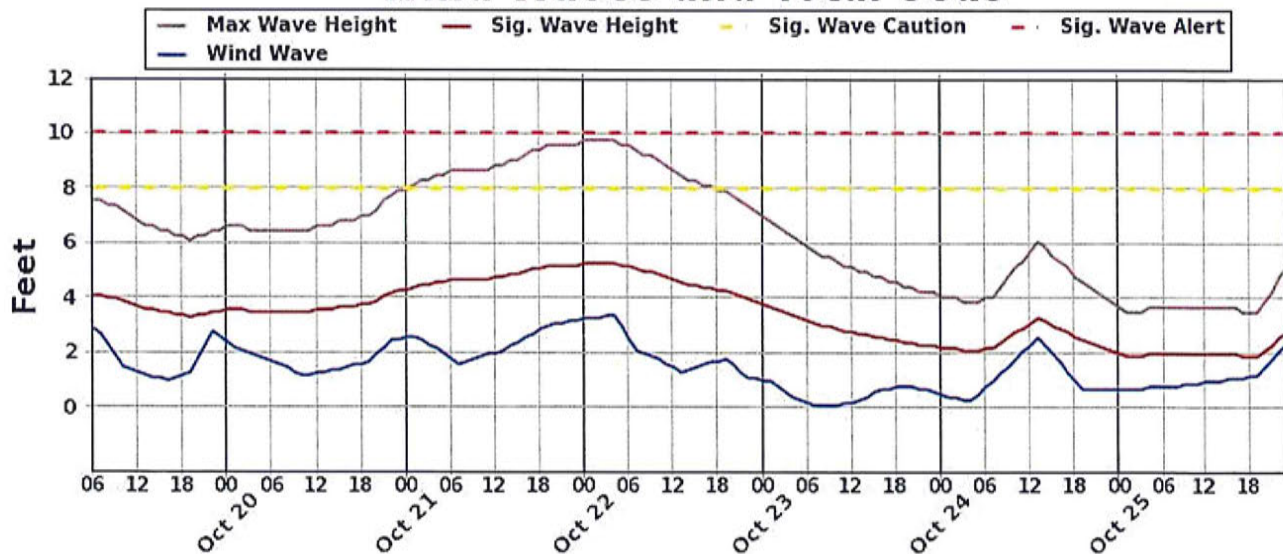
# CONFIDENTIAL WINDS



# SWELLS

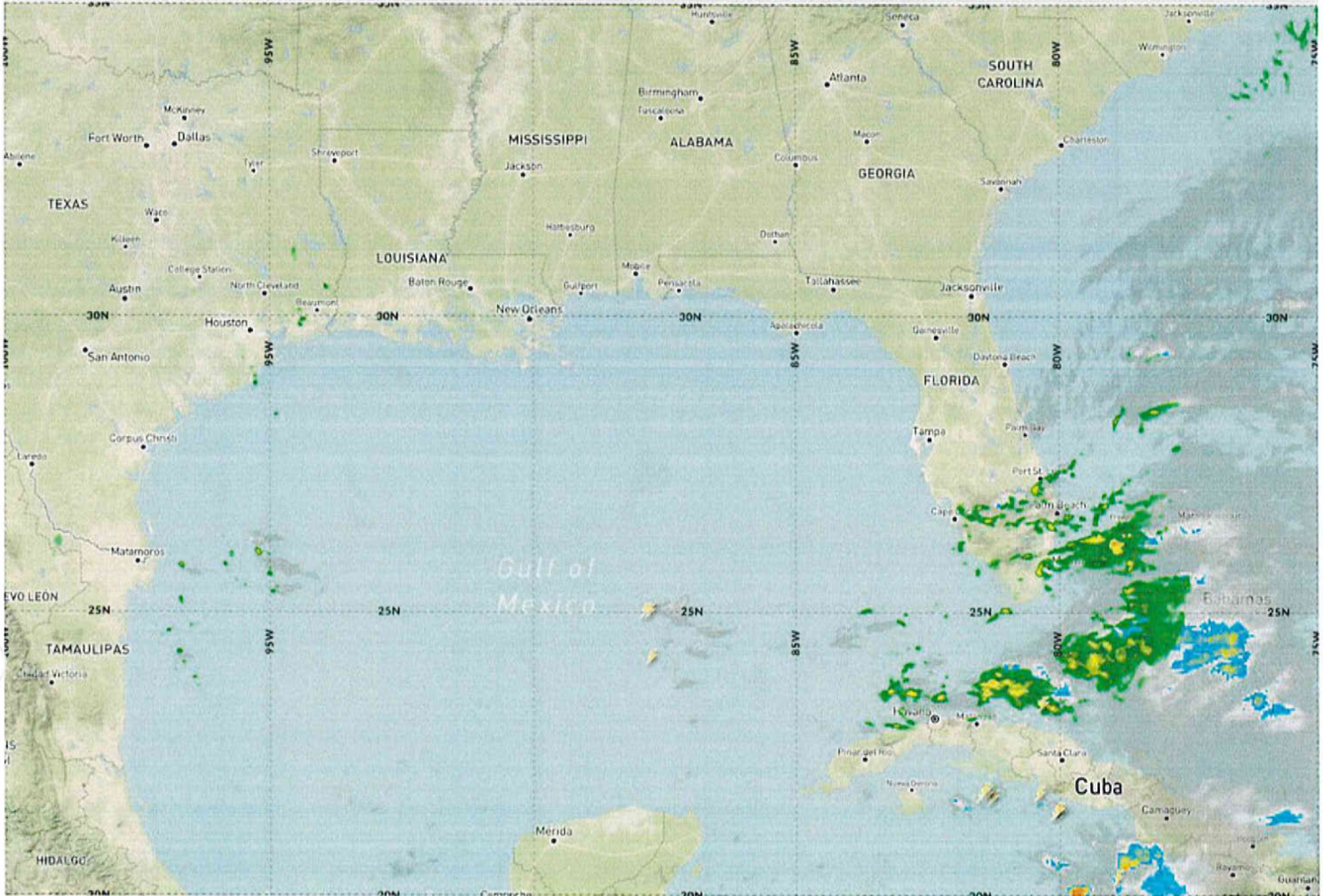


# Wind Waves and Total Seas





### Current Radar, Satellite, and Lightning



#### Today and Tomorrow's Weather

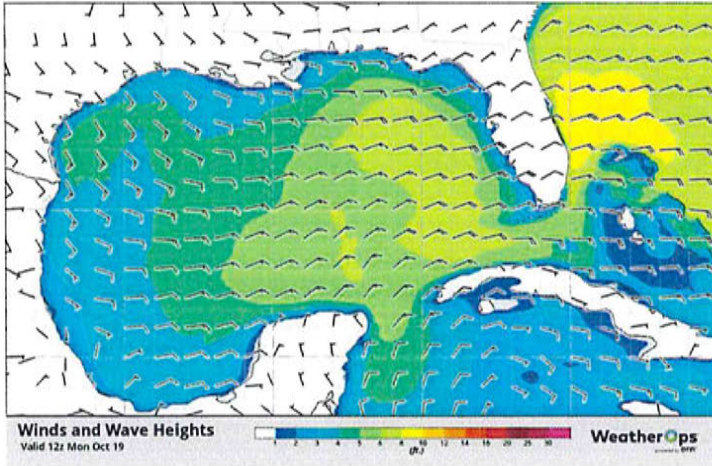
High pressure will continue to extend across the Deep South and interact with lower pressures to the south today and tomorrow. This interaction is forecast to produce a fresh to strong E'ly flow across the central and eastern Gulf of Mexico both days with seas building between 7 to 9 feet across the deep water Lease Areas. Expect moderate to fresh onshore winds and sea heights between 3 to 5 feet for Texas waters both days.

#### Day Three through Seven Weather Hazards

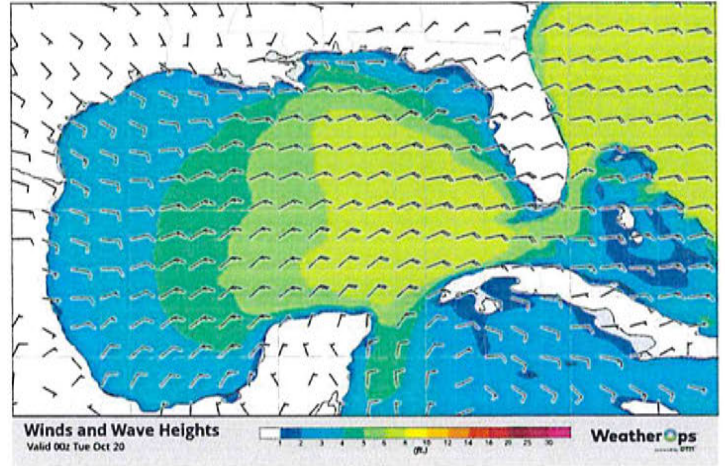
Fresh to strong winds and moderate to rough seas are forecast to continue Wednesday into Thursday. Conditions may decrease later Thursday into Friday as an elongated trough traverses the Gulf of Mexico. A weak cold front may follow on Saturday and produce a round of moderate to fresh offshore winds. This front is forecast to stall across the southern Gulf on Sunday while high pressure passes to the north. As a result, moderate onshore winds should return to the Texas Coast on Sunday with offshore winds veering and decreasing for Lease Areas to the east.



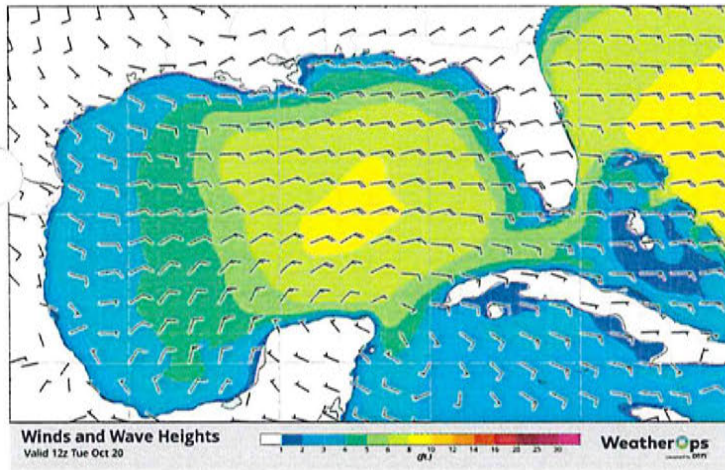
This Morning's Winds and Seas



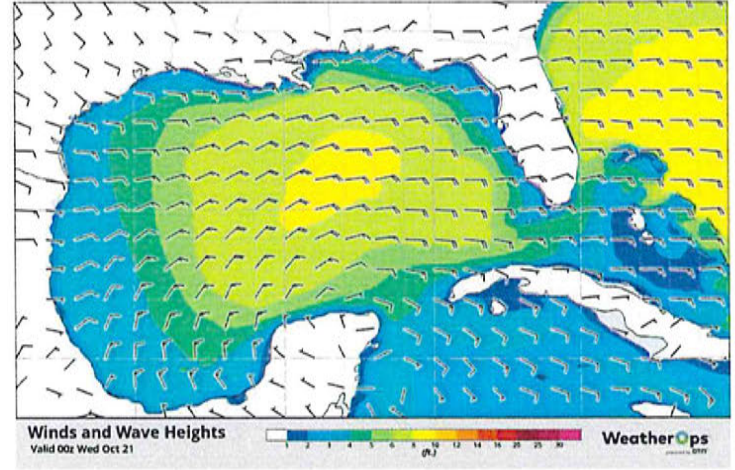
This Evening's Winds and Seas



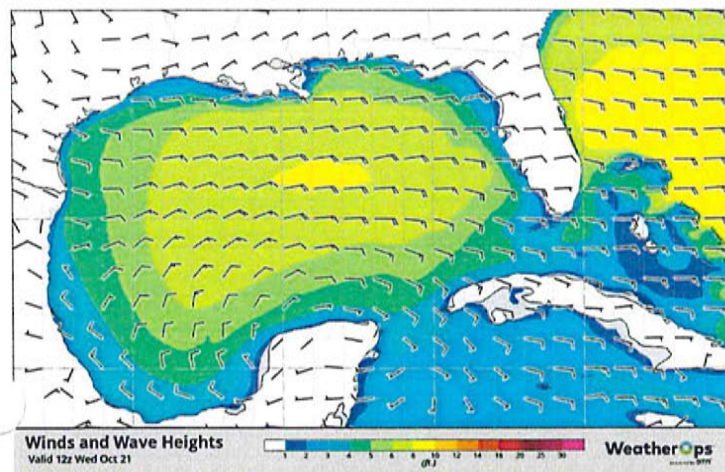
Tomorrow Morning's Winds and Seas



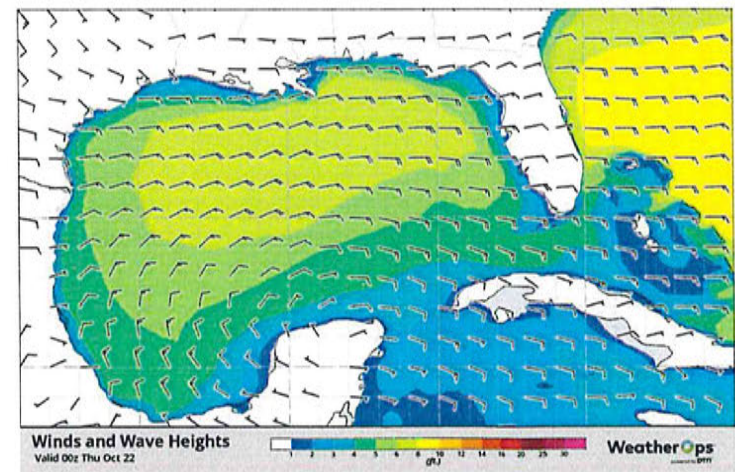
Tomorrow Evening's Winds and Seas



Day 3 Morning Winds and Seas

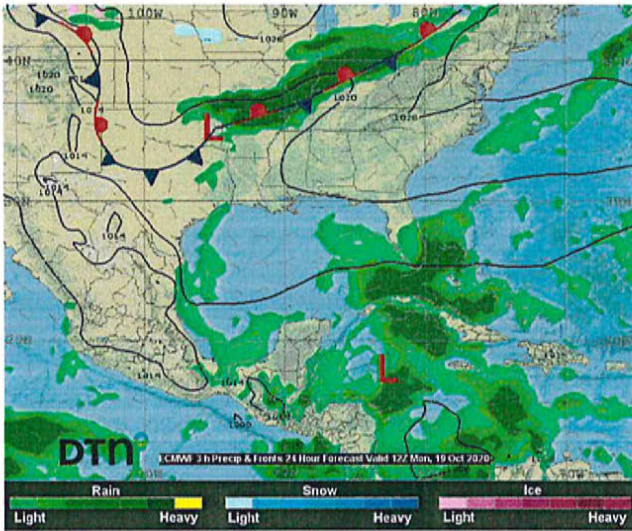


Day 3 Evening Wind and Seas

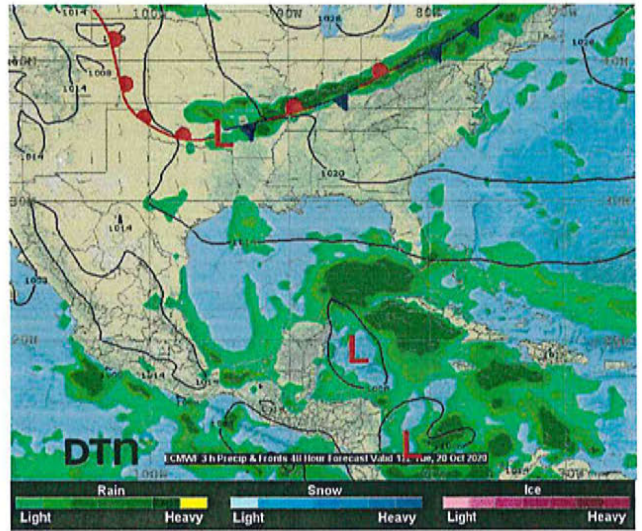




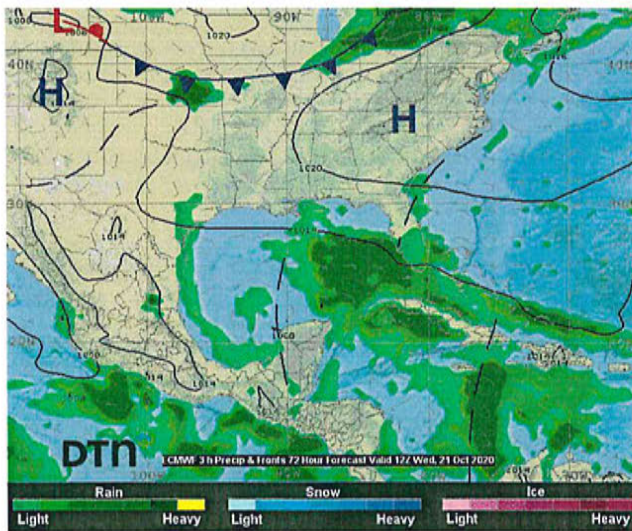
Day 1 Surface Chart



Day 2 Surface Chart



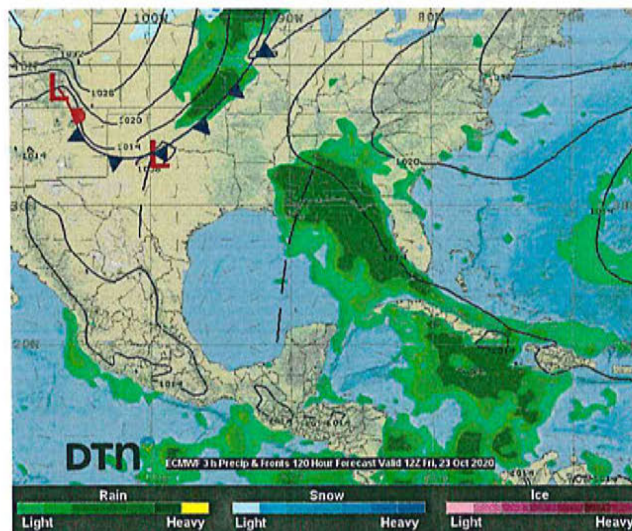
Day 3 Surface Chart



Day 4 Surface Chart



Day 5 Surface Chart



Day 6 Surface Chart





Daily Planner

Issued: Monday, October 19, 2020 at 06:00AM CDT

Teekay Marine Solutions				Pascagoula LZ			Position: 29.45 N 88.21 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Monday, October 19, 2020											Temperature (F): 80 / 76			
0600	E	14	20	15	21	3	SE	2	6	4	7	8.0		25%	5%
1200	E	15	21	17	23	4	SE	3	6	5	9	8.0		15%	5%
1800	ENE	14	20	15	22	3	ESE	4	7	5	9	10.5		0%	0%
Valid	Tuesday, October 20, 2020											Temperature (F): 80 / 76			
0000	ENE	13	18	14	19	2	ESE	4	6	4	8	10.5		0%	0%
0600	ENE	17	24	19	26	3	SE	3	7	4	8	10.5		0%	0%
1200	ENE	18	25	20	27	4	SE	4	7	5	10	10.5		5%	5%
1800	ENE	16	23	18	25	3	ESE	5	7	6	10	10.5		15%	10%
Valid	Wednesday, October 21, 2020											Temperature (F): 79 / 75			
0000	E	11	16	12	17	2	ESE	5	7	5	9	10.5		40%	35%
0600	E	17	24	19	26	4	SE	4	7	6	11	10.5		30%	25%
1200	ENE	19	26	21	28	4	SE	4	7	6	11	3.5		70%	65%
1800	E	21	28	23	30	5	SE	4	7	7	12	1.75		70%	70%
Valid	Thursday, October 22, 2020											Temperature (F): 79 / 75			
0000	E	22	29	24	32	6	SE	3	7	7	14	2.75		90%	90%
0600	E	20	27	22	30	6	SE	4	7	7	14	3.0		90%	90%
1200	E	21	27	23	30	6	SE	4	7	7	14	1.5		90%	90%
1800	ESE	21	27	23	30	7	E	1	8	7	13	1.0		90%	90%
Valid	Friday, October 23, 2020											Temperature (F): 78 / 75			
0000	ESE	17	24	19	26	5	E	3	6	7	12	1.25		90%	90%
0600	SSE	12	18	14	19	2	ESE	5	6	6	10	5.5		85%	85%
1200	SSE	7	10	7	11	1	ESE	4	6	5	8	3.0		65%	65%
1800	W	3	6	4	7	0	ESE	4	6	4	7	6.0		60%	60%
Valid	Saturday, October 24, 2020											Temperature (F): 79 / 75			
0000	NW	5	7	5	7	0	ESE	3	6	3	6	9.0		55%	55%
0600	NNW	9	13	10	14	1	ESE	3	6	3	6	10.5		45%	45%
1200	N	12	17	13	18	2	ESE	3	6	3	6	5.0		20%	10%
1800	N	13	18	14	19	2	ESE	2	5	3	5	2.25		10%	0%
Valid	Sunday, October 25, 2020											Temperature (F): 78 / 74			
0000	NNE	15	21	17	23	3	ESE	2	5	3	6	9.0		10%	0%
0600	NNE	14	20	15	21	3	ESE	2	5	3	6	10.5		10%	0%
1200	NNE	9	13	10	14	1	ENE	2	4	3	5	10.5		10%	0%
1800	NE	8	11	9	12	1	E	2	4	2	4	10.5		5%	0%

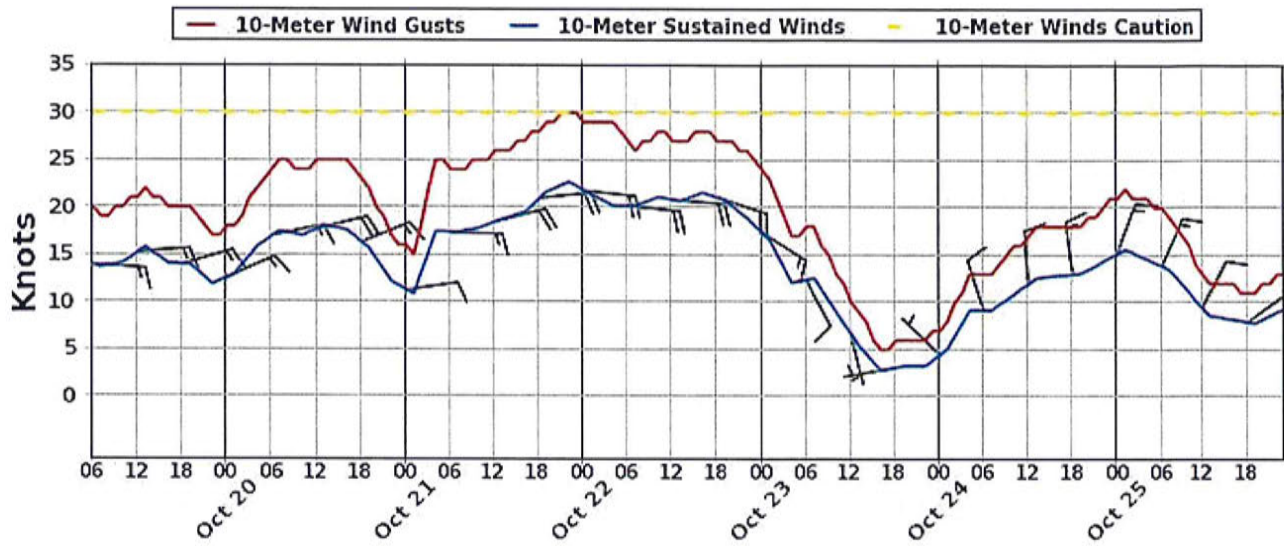
Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

**Apparent Temperature Definition**  
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.

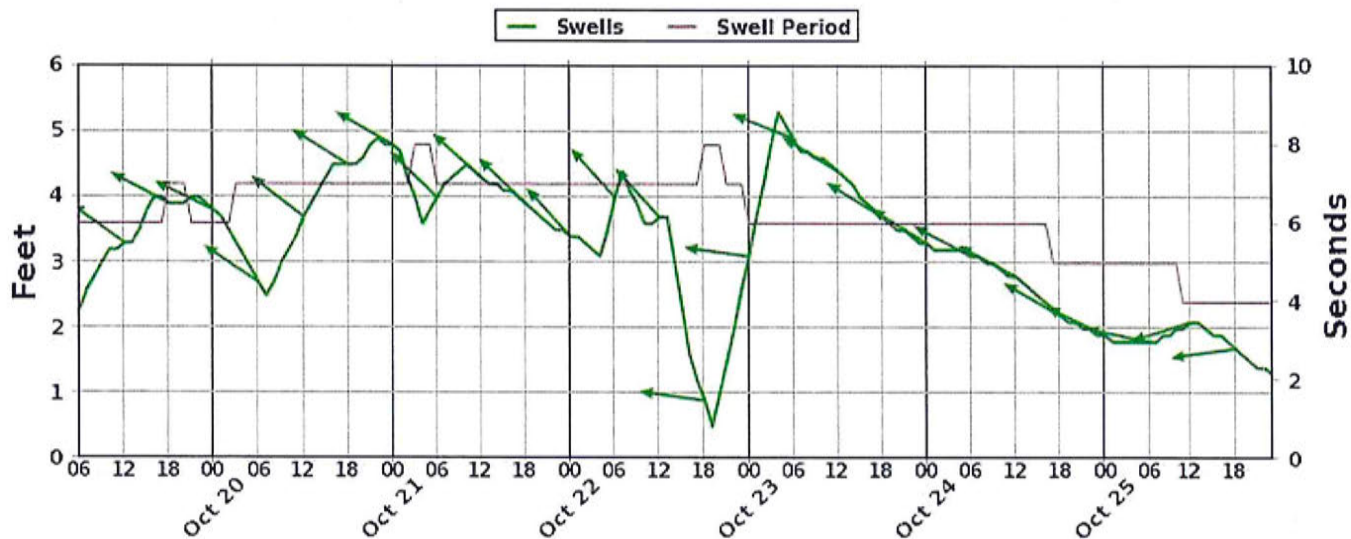
**Sea State Definitions**  
**Significant Wave Height (SIG WAVE)** - Average of the highest 1/3 of waves. Combination of swell and wind waves.  
**Maximum Wave Height (MAX WAVE)** - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



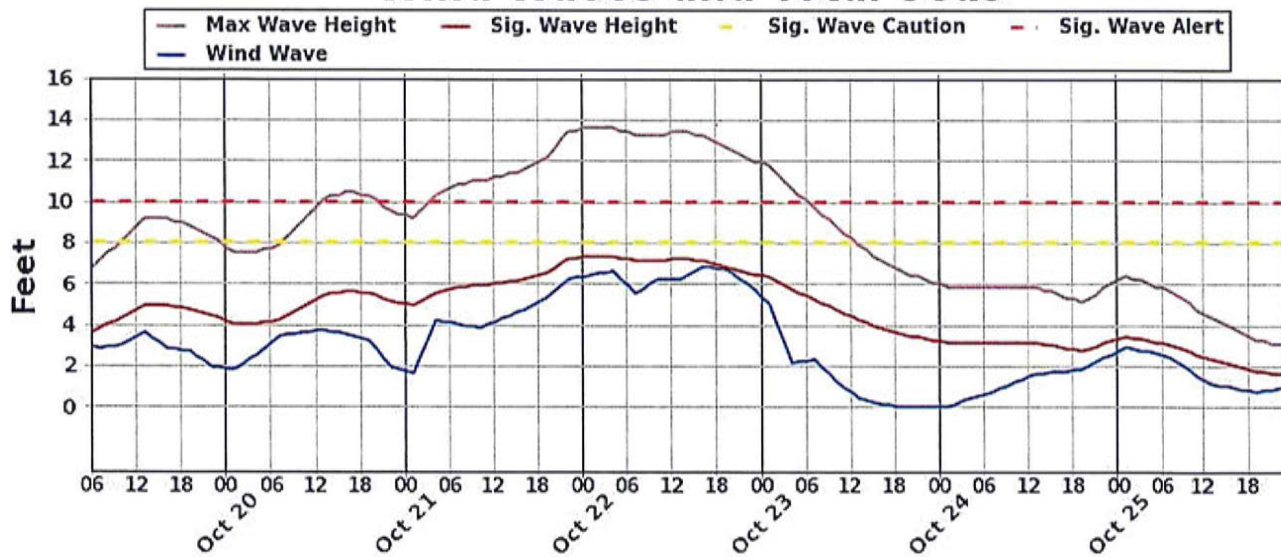
### Winds



### Swells



### Wind Waves and Total Seas





Daily Planner

Issued: Monday, October 19, 2020 at 06:00AM CDT

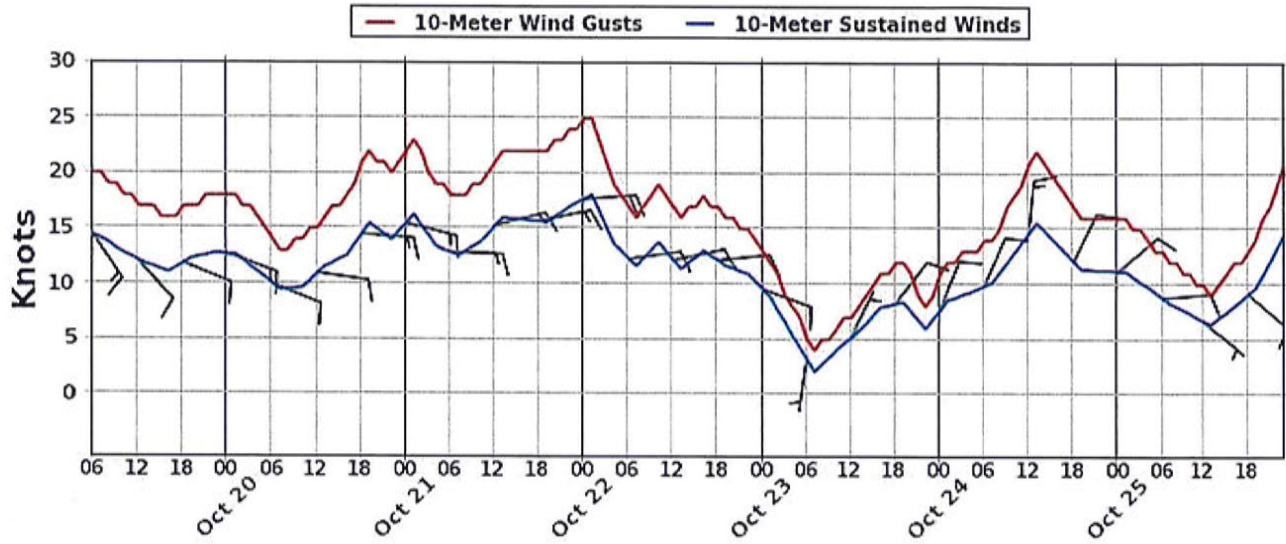
Teekay Marine Solutions				Sabine LZ			Position: 28.61 N 93.83 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid	Monday, October 19, 2020											Temperature (F): 81 / 78			
0600	SE	14	20	16	22	3	ESE	3	5	4	7	10.5		0%	0%
1200	SE	12	17	13	18	2	SE	3	5	4	7	10.5		0%	0%
1800	ESE	12	17	13	18	2	SE	3	6	3	6	10.5		0%	0%
Valid	Tuesday, October 20, 2020											Temperature (F): 80 / 76			
0000	ESE	13	18	14	19	2	SE	3	6	4	6	7.75		90%	85%
0600	ESE	10	14	11	15	2	ESE	3	6	4	7	7.5		95%	90%
1200	E	11	15	12	16	2	ESE	4	7	4	7	8.0		65%	65%
1800	E	15	21	16	22	3	ESE	3	7	4	8	10.5		20%	10%
Valid	Wednesday, October 21, 2020											Temperature (F): 80 / 77			
0000	ESE	16	22	17	24	4	ESE	3	7	5	9	8.0		5%	0%
0600	E	13	18	14	19	3	ESE	4	7	5	9	3.0		35%	20%
1200	ENE	15	21	17	23	3	ESE	4	8	5	10	6.75		35%	25%
1800	ENE	16	22	17	24	3	ESE	4	8	6	10	10.5		25%	15%
Valid	Thursday, October 22, 2020											Temperature (F): 80 / 77			
0000	E	18	25	20	27	4	ESE	3	8	6	10	10.5		45%	35%
0600	E	12	17	14	18	2	ESE	5	7	5	10	5.5		55%	45%
1200	ENE	12	17	14	18	2	ESE	5	7	5	9	7.25		60%	45%
1800	E	12	17	13	18	2	ESE	4	7	5	9	4.0		35%	20%
Valid	Friday, October 23, 2020											Temperature (F): 80 / 77			
0000	ESE	10	13	11	14	1	ESE	4	6	4	7	8.25		30%	15%
0600	S	3	5	3	6	0	ESE	3	6	3	6	10.5		30%	10%
1200	NNE	5	7	6	8	0	ESE	3	6	3	5	10.5		15%	10%
1800	NE	8	12	9	13	1	ESE	2	6	3	5	10.5		10%	5%
Valid	Saturday, October 24, 2020											Temperature (F): 80 / 76			
0000	NNE	8	11	8	12	1	ESE	2	6	2	4	10.5		15%	5%
0600	NNE	10	14	11	15	1	E	2	6	2	4	10.5		15%	5%
1200	N	15	21	16	23	2	E	2	6	3	6	10.5		5%	0%
1800	NNE	12	17	14	18	2	ENE	2	5	3	5	10.5		5%	0%
Valid	Sunday, October 25, 2020											Temperature (F): 79 / 75			
0000	NE	11	16	12	17	2	ENE	2	5	3	5	10.5		5%	0%
0600	E	9	13	10	14	1	ENE	2	5	2	4	10.5		5%	0%
1200	SE	7	10	7	11	1	ENE	2	5	2	4	10.5		5%	0%
1800	SE	9	13	10	14	1	E	2	5	2	3	10.5		5%	0%

Weather Threats	Green	Yellow	Red
10-Meter Wind Speed	< 30 kt	≥ 30 kt	≥ 35 kt
10-Meter Wind Gusts	< 30 kt	≥ 30 kt	≥ 35 kt
50-Meter Wind Speed	< 26 kt	≥ 26 kt	≥ 40 kt
50-Meter Wind Gusts	< 26 kt	≥ 26 kt	≥ 40 kt
Wind Wave	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Height	< 50 ft	≥ 50 ft	≥ 50 ft
Swell Period	< 16 seconds	≥ 16 seconds	≥ 16 seconds
Sig Wave Height	< 8 ft	≥ 8 ft	≥ 10 ft
Max Wave Height	< 50 ft	≥ 50 ft	≥ 50 ft
Visibility	> 0.25 nm	≤ 0.25 nm	≤ 0.25 nm
Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

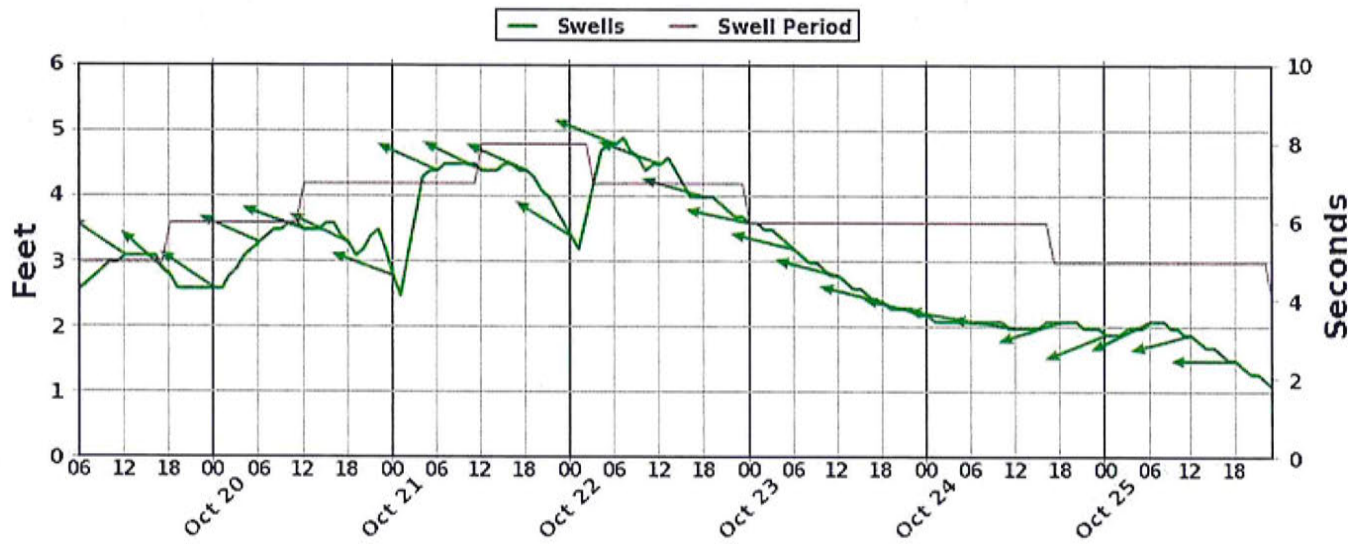
Apparent Temperature Definition
The perceived temperature accounting for effects of heat index and wind chill. For temperatures over 65 F, the max apparent temperature for 6 hr period is shown. For temperatures less than 65 F, the min apparent temperature for 6 hr period is shown.
Sea State Definitions
<b>Significant Wave Height (SIG WAVE)</b> - Average of the highest 1/3 of waves. Combination of swell and wind waves.
<b>Maximum Wave Height (MAX WAVE)</b> - The highest 0.1% of waves. Theoretical maximum wave for a given significant wave height.



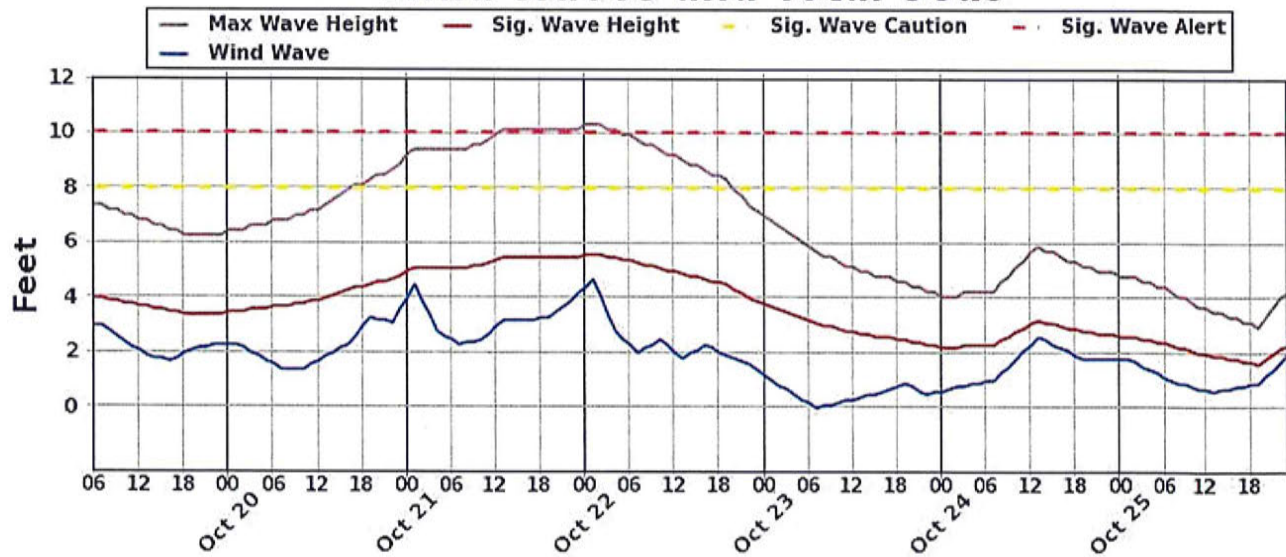
# CONFIDENTIAL WINDS



# SWELLS



# Wind Waves and Total Seas





Daily Planner

Issued: Monday, October 19, 2020 at 06:00AM CDT

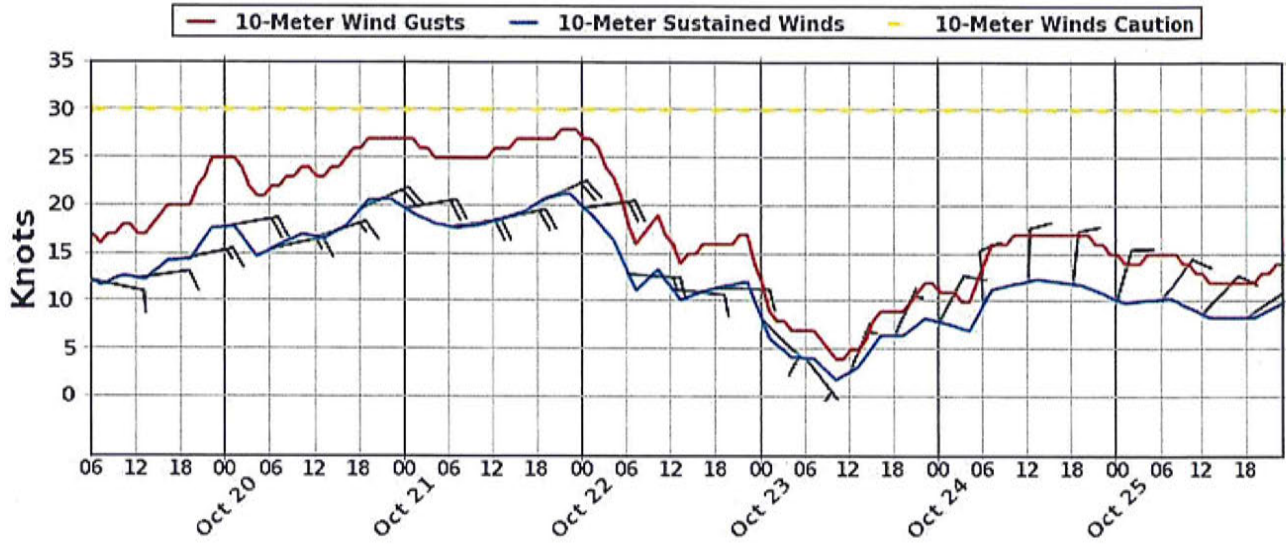
Teekay Marine Solutions				SW Pass LZ			Position: 28.31 N 90.54 W					Times: CDT (-05:00 UTC Offset)			
TIME (Local)	10-Meter WIND (kt) DIR / SPD / GUST			50-Meter WIND (kt) SPD / GUST		WIND WAVE (ft)	SWELL DIR / ft / SEC		SIG WAVE (ft)	MAX WAVE (ft)	VISIB. (nm)	APP. TEMP. (F)	PRECIP. %	TSTM PROB	
Valid Monday, October 19, 2020															
Temperature (F): 81 / 77															
0600	ESE	12	17	14	18	2	ESE	3	6	4	7	10.5		5%	0%
1200	E	12	17	14	18	2	ESE	3	6	4	8	6.5		85%	80%
1800	ENE	14	20	16	22	3	ESE	3	7	5	8	4.0		90%	80%
Valid Tuesday, October 20, 2020															
Temperature (F): 81 / 77															
0000	E	18	25	20	27	5	ESE	3	7	6	10	9.5		25%	20%
0600	ENE	16	22	17	24	4	ESE	4	7	5	10	10.5		15%	5%
1200	ENE	17	23	18	25	4	ESE	4	7	6	11	8.5		10%	5%
1800	ENE	20	26	22	29	5	ESE	4	8	6	11	4.5		50%	45%
Valid Wednesday, October 21, 2020															
Temperature (F): 81 / 77															
0000	E	20	27	22	29	6	ESE	4	8	7	13	7.5		40%	30%
0600	E	18	25	19	27	5	ESE	5	8	7	13	10.0		40%	30%
1200	ENE	19	26	21	28	5	ESE	5	8	7	12	10.25		60%	40%
1800	ENE	20	27	22	30	5	ESE	5	8	7	13	5.75		65%	45%
Valid Thursday, October 22, 2020															
Temperature (F): 80 / 76															
0000	E	20	27	22	30	6	ESE	4	7	7	14	4.0		85%	80%
0600	E	13	18	14	20	3	ESE	6	7	7	12	6.75		90%	85%
1200	E	11	16	12	17	2	E	5	7	6	11	4.5		80%	75%
1800	E	12	16	13	17	2	E	5	7	5	9	2.5		65%	60%
Valid Friday, October 23, 2020															
Temperature (F): 80 / 75															
0000	SE	8	12	9	12	1	E	4	6	5	8	3.0		75%	70%
0600	SE	4	7	5	8	0	E	4	6	4	7	2.75		60%	50%
1200	NNE	3	5	3	5	0	E	4	6	4	7	10.5		35%	25%
1800	NNE	7	9	7	10	0	ESE	3	6	3	6	10.5		15%	10%
Valid Saturday, October 24, 2020															
Temperature (F): 80 / 76															
0000	NNE	8	11	8	12	1	ESE	3	6	3	5	10.5		15%	5%
0600	N	10	14	11	15	1	ESE	3	6	3	5	10.5		10%	5%
1200	N	12	17	14	18	2	ESE	2	6	3	5	10.5		5%	0%
1800	N	12	17	13	18	2	E	2	5	3	5	10.5		0%	0%
Valid Sunday, October 25, 2020															
Temperature (F): 79 / 75															
0000	NNE	10	15	11	16	1	ENE	2	5	3	5	10.5		5%	0%
0600	NE	10	15	11	16	2	ENE	2	5	2	4	10.5		5%	0%
1200	NE	9	13	9	14	1	ENE	2	5	2	4	10.5		5%	0%
1800	NE	8	12	9	13	1	ENE	2	5	2	4	10.5		5%	0%

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Precip. Probability	< 100 %	≥ 100 %	≥ 100 %
T-storm Probability	< 100 %	≥ 100 %	≥ 100 %

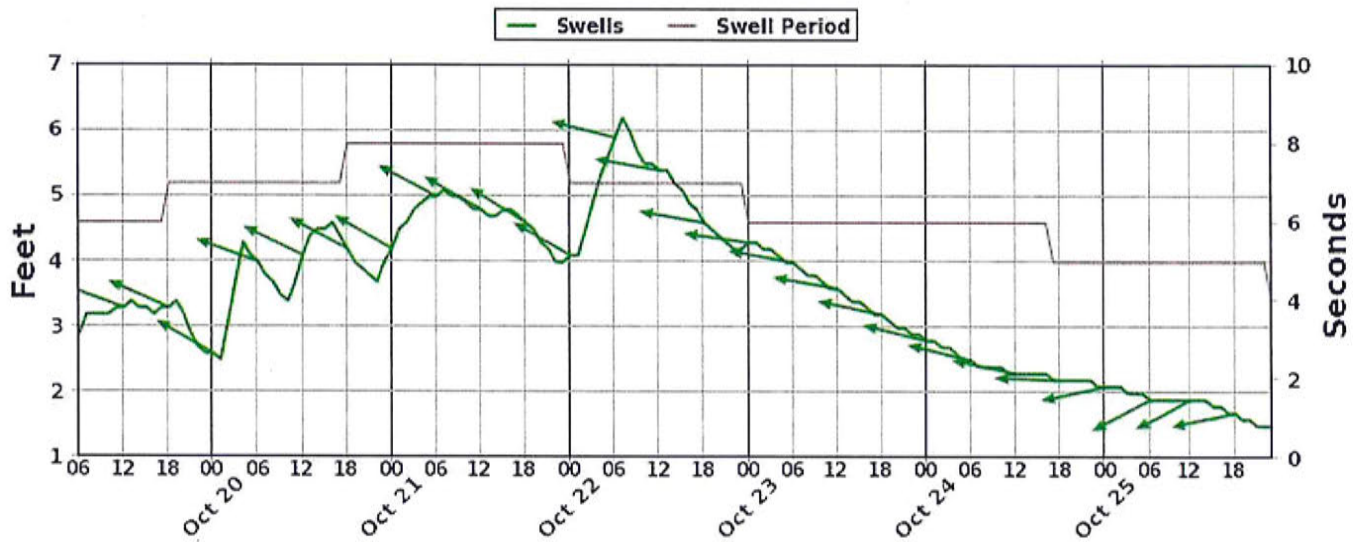
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### Winds



### Swells



### Wind Waves and Total Seas

