[redacted]

Subject: RE: Wind Speeds, lat/long; heading - second sending

From: Sevan Louisiana Dynamic Positioning Operator <DPO.sLouisiana@seadrill.com>
Sent: Friday, June 11, 2021 2:16 PM
To: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Subject: RE: Wind Speeds, lat/long; heading - second sending

Captain [redacted]

See below as requested.

Columns C & D are wind speed (filtered) and Direction (True). Calculated from the raw sensor data.

Regarding wind speeds filtering, below is from the Kongsberg manual.

"The raw measurements of wind speed and direction are filtered internally (using a Kalman filter with both low and high frequency parts), to estimate the most reasonable speed and direction values to be used by the K-Pos DP system."

10m is commonly cited as the height the wind is filtered to, but I have not been able to find any official documentation stating this.

Wind Sensor Heights:

Wind 1: 109.62m
Wind 2: 60.02m
Wind 3: 60.02m
Wind 4: 109.62

Thanks,

[redacted]
Sr. Dynamic Positioning Operator
Sevan Louisiana

Seadrill Americas Inc.
11025 Equity Drive, Suite 150
Houston, TX USA 77041

Office phone: +1 281 560 8474
Mobile phone: NA
E-mail: dpo.slouisiana@seadrill.com

From: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Sent: Friday, June 11, 2021 11:59 AM
To: Sevan Louisiana Dynamic Positioning Operator <DPO.sLouisiana@seadrill.com>
Subject: FW: Wind Speeds, lat/long; heading - second sending

[redacted]

One more from the folks over at NTSB can you answer their questions below

Thanks,
[redacted]

Seadrill

[redacted]
Offshore Installation Manager
Sevan Louisiana

Seadrill Americas Inc.
11025 Equity Drive, Suite 150
Houston, TX USA 77041

Office phone: +1 281 560 8475
E-mail: oim.slouisiana@seadrill.com

From: [redacted]@ntsb.gov>
Sent: Friday, June 11, 2021 11:34 AM
To: [redacted]@ntsb.gov>; Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Cc: [redacted]@ntsb.gov>
Subject: RE: Wind Speeds, lat/long; heading - second sending

EXTERNAL SENDER:USE CAUTION WITH LINKS / ATTACHMENTS.

Hello [redacted] Capt [redacted] forwarded me the below email thread and attached document. I want to thank you very much for the work you have put into gathering these data for us. It is very helpful I assure you. I wanted to just ask a few more things to make sure we understand everything correctly, and fill in just one more hole. If you could answer the following it would be appreciated and I don't anticipate anything further…

- In the attached file you sent, can you confirm that columns C and D are the wind magnitude **(in m/s)** and wind direction **(true)** when converted to 10 meters above sea level, respectively? If these is not correct, what exactly are these columns and units, and how were they derived?

- Do you happen to know the heights above the waterline of the 4 anemometers?

Again, thank you very much for your time,
[redacted]

[redacted]
Senior Meteorologist
Operational Factors Division
National Transportation Safety Board
[redacted]@ntsb.gov
[redacted] tel

From: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Sent: Tuesday, June 8, 2021 8:47 AM
To: [redacted]@ntsb.gov>
Subject: FW: Wind Speeds, lat/long; heading - second sending

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

[redacted]

See below

[redacted]

Seadrill

[redacted]
Offshore Installation Manager
Sevan Louisiana

Seadrill Americas Inc.
11025 Equity Drive, Suite 150
Houston, TX USA 77041

Office phone: +1 281 560 8475
E-mail: oim.slouisiana@seadrill.com

From: Sevan Louisiana Dynamic Positioning Operator <DPO.sLouisiana@seadrill.com>
Sent: Monday, June 7, 2021 8:22 AM
To: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Subject: RE: Wind Speeds, lat/long; heading - second sending

Capt [redacted]

1) Can you add the position (LAT/LONG) of the vessel in this spreadsheet?
   The vessel was in DP at the time: 28-53.09N 090-08.15W

2) Does the column "gyro measure" also equate to "heading"?; and
   That is correct. I have modified the column title to reflect.

3) If Gyro Measure is the heading, is the actual heading of the vessel somewhat unique for the SL because of its shape?
   Our heading differs from the other drillships in the vicinity due to our round shape, which allows us to keep the vessel heading in any direction with negligible differences in effect on vessel. The drillships in the area all needed to be bow into the wind while holding position due to their sail area if they were to encounter strong winds on the beam.

Thanks,

Seadrill

[redacted]
Dynamic Positioning Operator
Sevan Louisiana

Seadrill Americas Inc.
11025 Equity Drive, Suite 150
Houston, TX USA 77041

Office phone: +1 281 560 8474
Mobile phone: NA
E-mail: dpo.slouisiana@seadrill.com

From: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Sent: Monday, June 07, 2021 7:53 AM
To: Sevan Louisiana Dynamic Positioning Operator <DPO.sLouisiana@seadrill.com>
Subject: FW: Wind Speeds, lat/long; heading - second sending

[redacted]

See below see what you can come up with.

Thanks,
[redacted]

Seadrill

[redacted]
Offshore Installation Manager
Sevan Louisiana

Seadrill Americas Inc.
11025 Equity Drive, Suite 150
Houston, TX USA 77041

Office phone: +1 281 560 8475
E-mail: oim.slouisiana@seadrill.com

From: [redacted]@ntsb.gov>
Sent: Monday, June 7, 2021 7:11 AM
To: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Cc: [redacted]@yahoo.com>
Subject: RE: Wind Speeds, lat/long; heading - second sending

EXTERNAL SENDER:USE CAUTION WITH LINKS / ATTACHMENTS.

Good Morning [redacted]

Certainly appreciate the time you and crew have lent us.

Your information and that provided by surrounding vessels (which continues to be added to and refined) is helping our meteorological team build a picture of the conditions
the *Seacor Power* encountered.

Did you have a chance to look at the below questions?

Again, much appreciate your time & my

Best Regards,

[redacted]

[redacted]
Senior Marine Investigator
National Transportation Safety Board
Office of Marine Safety

490 L'Enfant Plaza, SW
Washington, DC 20594-2000
Tel: [redacted]
Fax: 240-752-6313

From: [redacted]
Sent: Wednesday, June 2, 2021 12:19 PM
To: Sevan Louisiana Offshore Installation Manager <OIM.sLouisiana@seadrill.com>
Subject: FW: Wind Speeds, lat/long; heading

Good Afternoon [redacted]

Three additional questions:

1) Can you add the position (LAT/LONG) of the vessel in this spreadsheet?

2) Does the column "gyro measure" also equate to "heading"?; and

3) If Gyro Measure is the heading, is the actual heading of the vessel somewhat unique for the SL because of its shape?

Much appreciate your time and efforts,

[redacted]

To Whom it May Concern:

My name [redacted]. I am employed by Seadrill as a Senior Dynamic Positioning Operator abord the MODU Sevan Louisiana. My statement is below regarding the events from the afternoon of April 13, 2021. This is the best of my recollection.

At 1145 on April 13, 2021 I arrived on the bridge assume to assume the anchor watch. The vessel was on anchor with 1 generator online in ST-43, and weather conditions were benign. The weather was forecasted to increase between 1800-0000 with potential for thunderstorms throughout the day.

At 1442 we received an email from our weather service informing us of a Hazardous thunderstorm watch for our location. Shortly thereafter a call from the weather service was received, and the approaching weather was discussed. Heavy rain, possible hail, and winds more than 50kts were mentioned by the caller. Immediately following this call, I began preparations for the weather. Additional generators were brought online, and thrusters were started. My colleague arrived back on the bridge from his deck work and assisted with preparation. After the storms hit, we observed significant winds above 50kts and gusts above 80kts.

After this weather initially arrived, and while we were still experiencing winds in the 60-70kt range, the radio chatter on VHF 16 began and it slowly became clear that a vessel had overturned north of our position. It was discerned shortly thereafter that a USCG vessel had arrived on scene in addition to the other vessel/s. As the day/evening progressed, a helicopter arrived on scene as far as I could tell, and, it sounded like a rescue swimmer was in the water to assist the personnel clinging to the overturned vessel.

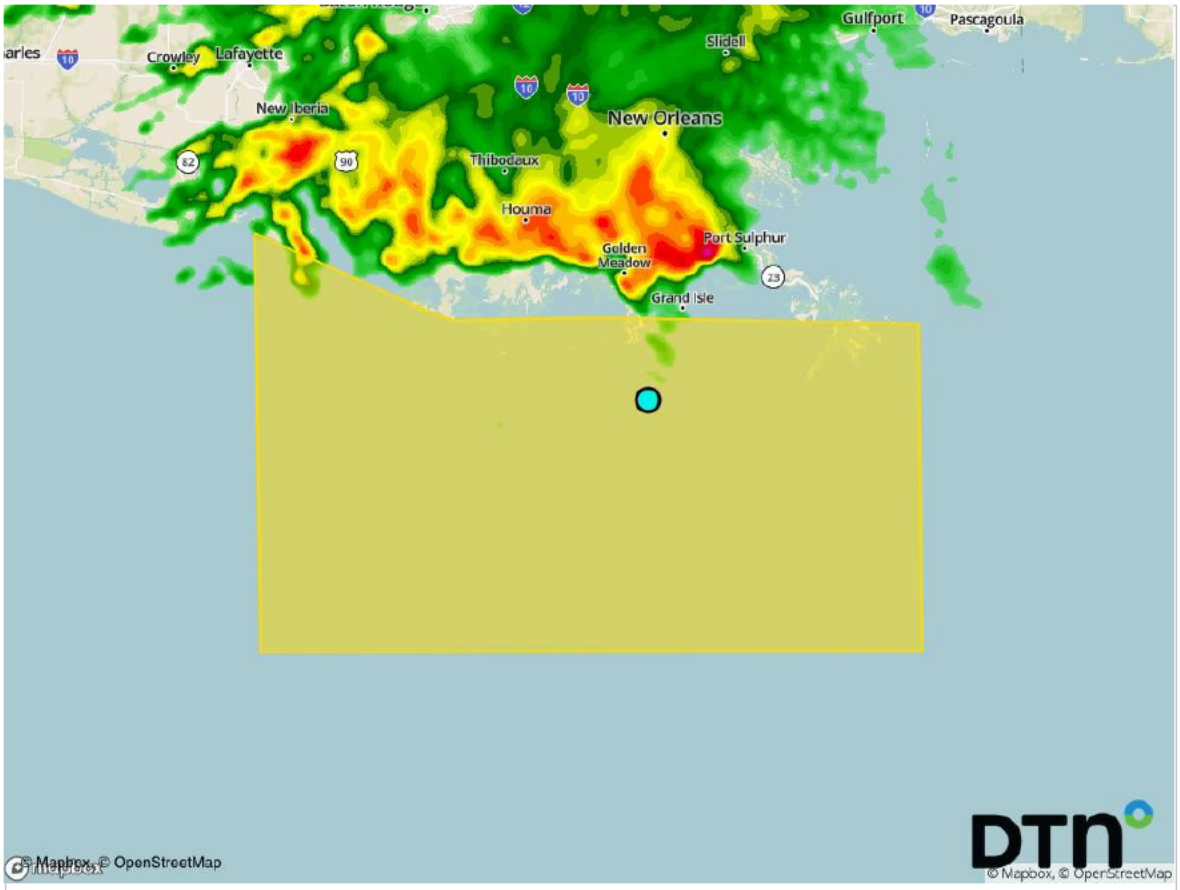
I was relieved of the watch at 2345, and the rescue efforts were continuing.

From: alerts@msg.wdtinc.com
To: forecastarchive@wdtinc.com
Subject: A WeatherOps Hazardous Thunderstorm Watch has been issued for Sevan Louisiana
Date: Tuesday, April 13, 2021 2:42:34 PM
Attachments: commander-logo.png
map-9fc00f67-492d-4483-b251-d8653eb50e27.jpg

EXTERNAL SENDER:USE CAUTION WITH LINKS / ATTACHMENTS.

Sevan Louisiana
WeatherOps Hazardous Thunderstorm Watch, expires at Tuesday, April 13, 2021 11:00 pm CDT

A WeatherOps Forecaster has issued a WeatherOps Hazardous Thunderstorm Watch for Seadrill's Sevan Louisiana at Tuesday, April 13, 2021 12:34 pm CDT through Tuesday, April 13, 2021 11:00 pm CDT. Monitor in real-time on WeatherOps Map for Seadrill.



forecaster@weatherops.com DTN

Strong squalls likely later this afternoon into late tonight

Threat Time: Tuesday 5PM CDT through Tuesday 11PM CDT

Primary Impacts
Hail: 1+ inch
Waterspout Threat: Moderate
Wind Gusts: 60+ knots
Heavy Rain
Frequent Lightning

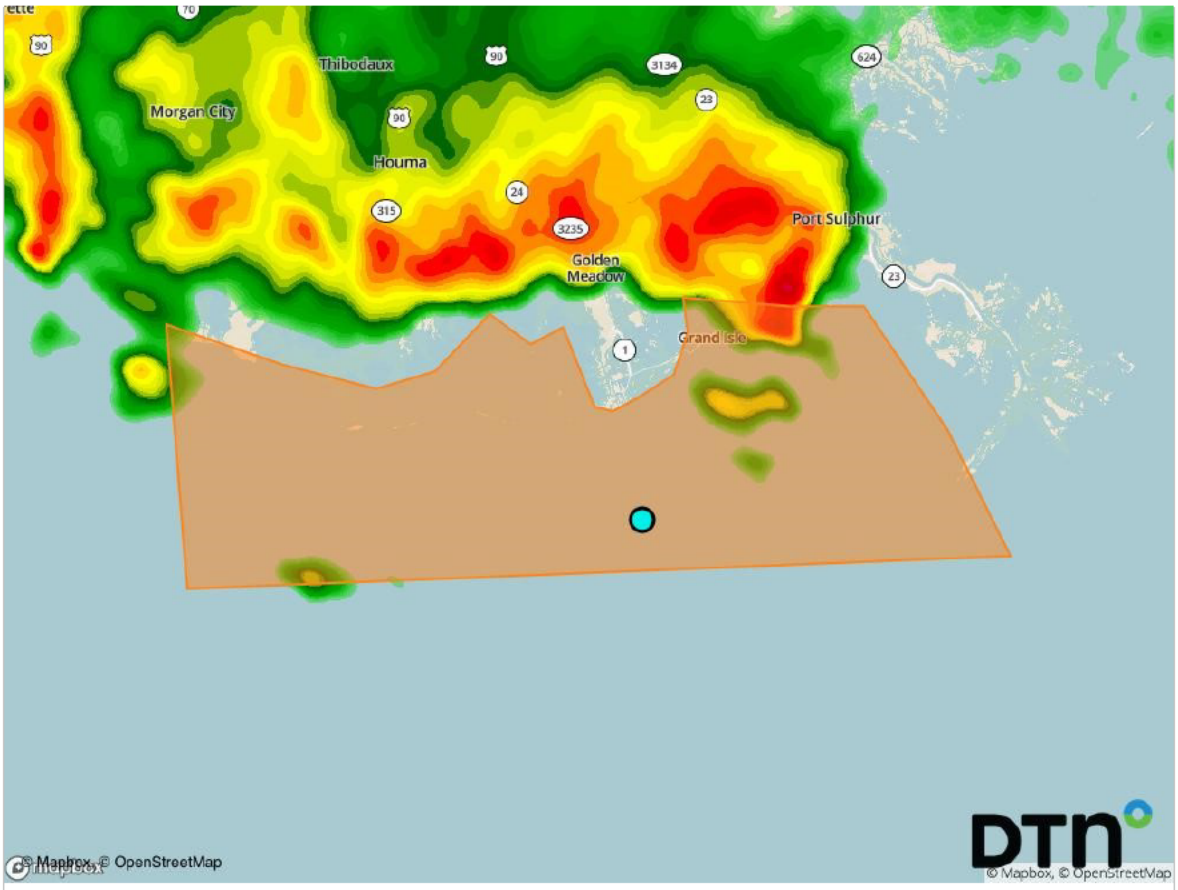
Discussion: Widespread thunderstorm activity currently covers much of SE Louisiana this afternoon. Expect this activity to obtain a southeast motion in the next 2 to 3 hours and begin to threaten Lease Areas offshore southeast Louisiana. Squalls will continue to progress further offshore this evening and tonight before eventually weakening by midnight. The primary threats will be large hail, damaging wind gusts and frequent lightning.

From: alerts@msg.wdtinc.com
To: forecastarchive@wdtinc.com
Subject: A WeatherOps Hazardous Thunderstorm Warning has been issued for Sevan Louisiana
Date: Tuesday, April 13, 2021 3:08:33 PM
Attachments: commander-logo.png

EXTERNAL SENDER:USE CAUTION WITH LINKS / ATTACHMENTS.

Sevan Louisiana
WeatherOps Hazardous Thunderstorm Warning, expires at Tuesday, April 13, 2021 5:05 pm CDT

A WeatherOps Forecaster has issued a WeatherOps Hazardous Thunderstorm Warning for Seadrill's Sevan Louisiana at Tuesday, April 13, 2021 3:05 pm CDT through Tuesday, April 13, 2021 5:05 pm CDT. Monitor in real-time on WeatherOps Map for Seadrill.



forecaster@weatherops.com DTN

WeatherOps Hazardous Thunderstorm Warning

Primary Impacts:

Hail: In excess of 0.50 inches
Waterspout Threat: Low
Wind Gusts: In excess of 50 knots
Heavy Rain:
Frequent Lightning

Storm Motion: SSE at 25 knots