

**NATIONAL TRANSPORTATION SAFETY BOARD**  
Office of Aviation Safety  
Washington, D.C. 20594

March 26, 2007

**Meteorology**

**Meteorological Factual Report  
by James T. Skeen, Jr.**

**A. ACCIDENT**

Location: Offshore Franklin, Louisiana  
Date: October 12, 2007  
Time: 1145 Central Daylight Time  
Vessel: M/V Miss Megan and Athena 106  
NTSB Number: DCA07MM001

**B. GROUP**

Chairman: James T. Skeen, Jr.  
Senior Meteorologist  
National Transportation Safety Board  
Washington, D.C.

Member: None

## C. SUMMARY

On Thursday, October 12, 2006 at approximately 1145 central daylight time (CDT), the un-inspected towing (UTV) vessel *Miss Megan* was pushing two barges in the West Cote Blanche oil field, enroute to a subsequent location to drive pilings. Construction barge *Athena 106* was tied along the port side of deck barge *IBR 234*. The (UTV) *Miss Megan* was secured astern of *IBR 234*, pushing both barge. *Miss Megan* was crewed by one licensed master and one deckhand. The construction barge had six workers on board, consisting of one foreman, one crane operator, and four hands. While transiting, the aft spud on *Athena 106* released from its fully raised position. The spud dropped down into the water, striking, and severing a submerged high-pressure natural gas pipeline. The resulting gas release ignited, creating a large fireball that engulfed the towing vessel and both barges. The Captain of the towing vessel was killed, along with four workers from the barge as a result of the accident. The *Miss Megan* deck hand and one construction worker survived. Two construction barge workers are still missing.

The Meteorological Group Chairman did not participate in the on-scene investigation.

## D. DETAILS OF INVESTIGATION

Notes: Unless noted, in the report all times are CDT based on the 24-hour clock. Coordinated Universal Time (UTC) = CDT + 5 hours. UTC = Z.

### 1. Synoptic Situation

Figure 1 depicts a portion of the Surface Analysis chart prepared by the National Weather Service (NWS) National Centers for Environmental Prediction (NCEP) for 1300 October 12.

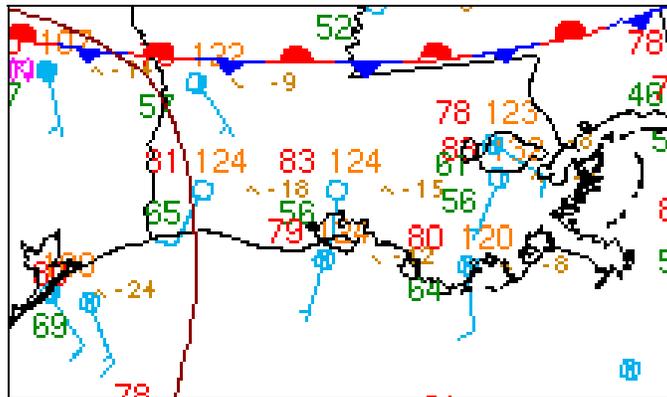


Figure 1. NWS Surface Analysis chart for 1300 CDT October 12

## 2. Surface Weather Observations

Weather observations from nearby reporting stations, in part, follow:

### Salt Point (KP92), Louisiana

located approximately 116 degrees at 17 nautical miles

Time—1153; wind—variable at 5 knots; visibility—not reported; sky condition—not reported; temperature—79 degrees Fahrenheit; dew point—63 degrees Fahrenheit

### New Iberia (KARA), Louisiana

located approximately 351 degrees at 21 nautical miles

Time—1153; wind—170 degrees at 8 knots; visibility—10 miles; sky condition—clear; temperature—81 degrees Fahrenheit; dew point—55 degrees Fahrenheit

### Patterson (KPTN), Louisiana

located approximately 085 degrees at 25 nautical miles

Time—1155; wind—180 degrees at 6 knots; visibility—10 miles; sky condition—clear; temperature—81 degrees Fahrenheit; dew point—59 degrees Fahrenheit

## 3. Buoy and Coastal-Marine Automated Network (C-MAN) Observations

No weather buoys or C-MAN stations were near the accident location.

## 4. GOES-12 (Geostationary Operational Environmental Satellite-12) Data

GOES-12 visible and infrared digital data centered on the accident location were obtained through the NOAA's Comprehensive Large Array-data Stewardship System (CLASS) and displayed on a NTSB McIDAS<sup>1</sup> workstation. Notes: Nominal resolutions of the visible and infrared data are 1 and 4 kilometers, respectively.

Figure 2 displays a visible image centered on the accident location for the nominal time of 1202 (1702 UTC). The image is remapped to the Mercator projection and X 2 magnified.

Notes: A map background, the accident location, KP92, KARA, and KPTN are overlaid on the image.

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<sup>1</sup> McIDAS is a meteorological and data analyses computer-based system developed by the Space Science and Engineering Center (SSEC) at the University of Wisconsin at Madison, Wisconsin.

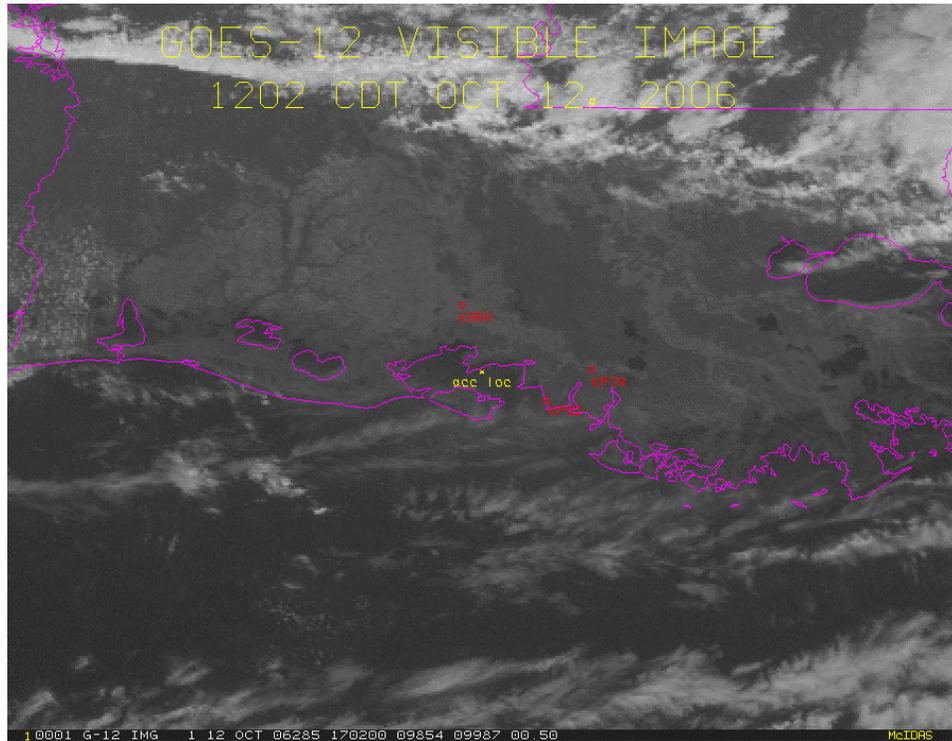


Figure 2. GOES-12 infrared image for 1202 CDT October 12

#### 5. National Weather Service WS-88D Data

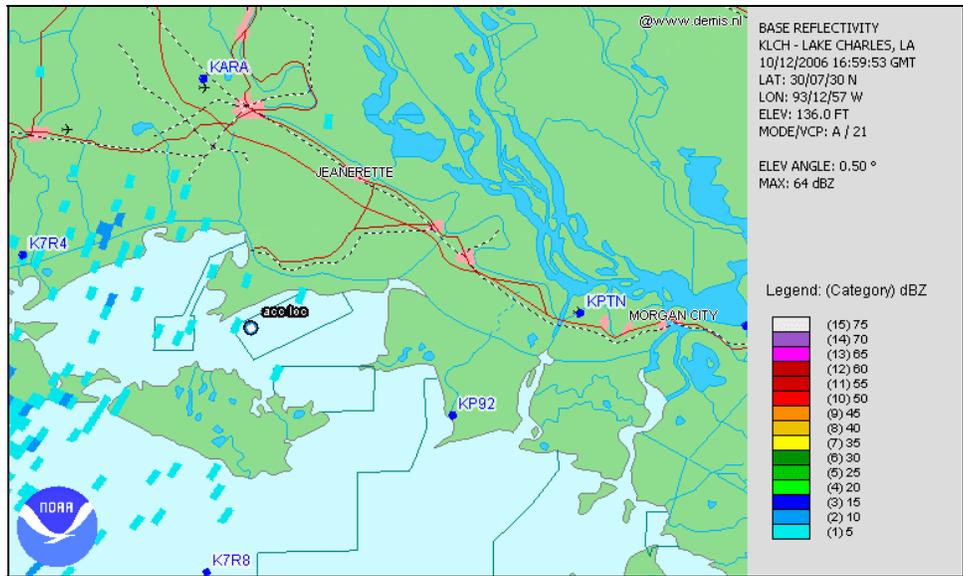
The Lake Charles (KLCH), Louisiana, Weather Surveillance Radar-1988, Doppler (WSR-88D) radar was the closest Doppler weather radar (approximately 290 degrees at 78 nautical miles from the accident location).

Figure 3 displays the KLCH Archive Level III<sup>2</sup> Base Reflectivity product for the 0.5-degree elevation scan for the nominal time of 1159:53.

Notes: The Level III data were obtained from the National Climatic Data Center (NCDC) Hierarchical Data Storage System (HDSS) and displayed using the NCDC Java NEXRAD Viewer. A map background and the accident location are overlaid on the product. A color bar depicting possible radar reflectivity intensities is located on the right side of the product.

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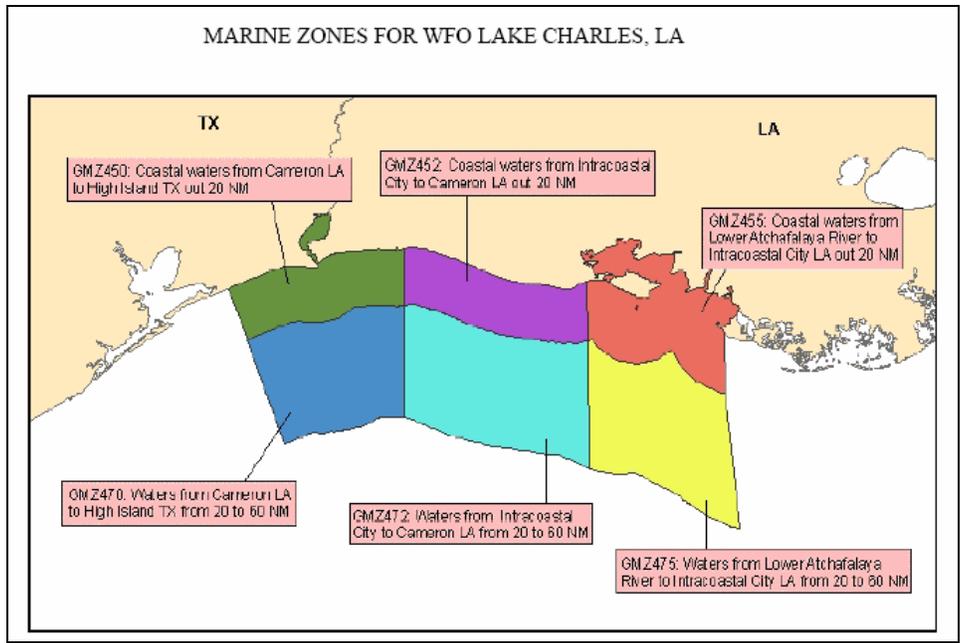
<sup>2</sup> Level III data are the output of the Radar Product Generator (RPG).



**Figure 3. KLCH Base Reflectivity product for 1159:53 CDT October 12**

6. NWS Forecasts and Advisories

The NWS Weather Forecast Office (WFO) at Lake Charles, Louisiana, prepared Coastal Waters Forecasts for the accident location. Figure 4 delineates the various forecast areas.



**Figure 4. Coastal Waters Forecast Zones**

Following are the Synopses and Coastal Waters Forecasts prepared by LCH and valid during the periods beginning 0432 and 1019 on October 12:

Issuance for 0432 CDT on October 12

FZUS54 KLCH 120932

2006285 0932

CWFLCH

COASTAL WATERS FORECAST

NATIONAL WEATHER SERVICE LAKE CHARLES LA

432 AM CDT THU OCT 12 2006

COASTAL WATERS FROM LOWER ATCHAFALAYA TO HIGH ISLAND TX

GMZ400-130100-

SYNOPSIS FOR LOWER ATCHAFALAYA TO HIGH ISLAND TX OUT 60

NAUTICAL MILES

432 AM CDT THU OCT 12 2006

.SYNOPSIS FOR LOWER ATCHAFALAYA TO HIGH ISLAND TX OUT 60 NM...

A COLD FRONT WILL ADVANCE THROUGH THE NORTHWEST GULF THIS EVENING...WITH MODEST ONSHORE FLOW DEVELOPING IN ITS WAKE.

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GMZ450-452-455-130100-

/O.ROU.KLCH.MA.F.0000.000000T0000Z-000000T0000Z/

COASTAL WATERS FROM CAMERON, LA TO HIGH ISLAND, TX OUT 20 NM-

COASTAL WATERS FROM INTRACOASTAL CITY TO CAMERON, LA OUT 20 NM-

COASTAL WATERS FROM LOWER ATCHAFALAYA RIVER TO INTRACOASTAL CITY, LA OUT 20 NM-

432 AM CDT THU OCT 12 2006

...SMALL CRAFT SHOULD EXERCISE CAUTION AFTER MIDNIGHT...

.TODAY...EAST WINDS 10 KNOTS BECOMING SOUTH IN THE AFTERNOON. SEAS 2 FEET. COASTAL LAKES AND BAYS LIGHT CHOP. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.

.TONIGHT...SOUTHEAST WINDS 5 TO 10 KNOTS BECOMING NORTHEAST 10 TO 15 KNOTS AFTER MIDNIGHT. SEAS 2 FEET. COASTAL LAKES AND BAYS SMOOTH INCREASING TO LIGHT CHOP AFTER MIDNIGHT. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.FRIDAY...NORTHEAST WINDS 15 TO 20 KNOTS BECOMING EAST 10 TO 15 KNOTS IN THE AFTERNOON. SEAS 3 FEET. COASTAL LAKES AND BAYS CHOPPY DECREASING TO LIGHT CHOP IN THE AFTERNOON. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.FRIDAY NIGHT...EAST WINDS AROUND 10 KNOTS. SEAS 3 FEET. COASTAL LAKES AND BAYS LIGHT CHOP. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.SATURDAY...EAST WINDS AROUND 20 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.

.SATURDAY NIGHT...SOUTHEAST WINDS AROUND 20 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.

.SUNDAY...SOUTH WINDS AROUND 15 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS CHOPPY. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.SUNDAY NIGHT...SOUTH WINDS AROUND 15 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS CHOPPY. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.MONDAY...SOUTH WINDS AROUND 20 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.MONDAY NIGHT...SOUTH WINDS AROUND 25 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A CHANCE OF SHOWERS AND THUNDERSTORMS.

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GMZ470-472-475-130100-

/O.ROU.KLCH.MA.F.0000.000000T0000Z-000000T0000Z/

WATERS FROM CAMERON, LA TO HIGH ISLAND, TX EXTENDING FROM 20 NM TO 60 NM-

WATERS FROM INTRACOASTAL CITY, LA TO CAMERON, LA EXTENDING FROM 20 NM TO 60 NM-

WATERS FROM LOWER ATCHAFALAYA RIVER TO INTRACOASTAL CITY, LA

EXTENDING FROM 20 NM TO 60 NM-  
 432 AM CDT THU OCT 12 2006  
 ...SMALL CRAFT SHOULD EXERCISE CAUTION AFTER MIDNIGHT...  
 .TODAY...EAST WINDS 10 KNOTS BECOMING SOUTH IN THE AFTERNOON.  
 SEAS 2 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.  
 .TONIGHT...SOUTHEAST WINDS AROUND 5 KNOTS BECOMING EAST 10 TO  
 15 KNOTS AFTER MIDNIGHT. SEAS 3 FEET. A CHANCE OF SHOWERS AND  
 THUNDERSTORMS.  
 .FRIDAY...NORTHEAST WINDS 15 TO 20 KNOTS BECOMING EAST 10 TO  
 15 KNOTS IN THE AFTERNOON. SEAS 4 FEET. A CHANCE OF SHOWERS AND  
 THUNDERSTORMS.  
 .FRIDAY NIGHT...SOUTHEAST WINDS AROUND 10 KNOTS. SEAS 4 FEET. A  
 CHANCE OF SHOWERS AND THUNDERSTORMS.  
 .SATURDAY...EAST WINDS AROUND 20 KNOTS. SEAS 5 FEET. A SLIGHT  
 CHANCE OF SHOWERS AND THUNDERSTORMS.  
 .SATURDAY NIGHT...SOUTHEAST WINDS AROUND 20 KNOTS. SEAS 5 FEET. A  
 SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.  
 .SUNDAY...SOUTH WINDS AROUND 20 KNOTS. SEAS 5 FEET. A CHANCE OF  
 SHOWERS AND THUNDERSTORMS.  
 .SUNDAY NIGHT...SOUTH WINDS AROUND 15 KNOTS. SEAS 4 FEET. A  
 CHANCE OF SHOWERS AND THUNDERSTORMS.  
 .MONDAY...SOUTH WINDS AROUND 20 KNOTS. SEAS 5 FEET. A CHANCE OF  
 SHOWERS AND THUNDERSTORMS.  
 .MONDAY NIGHT...SOUTH WINDS AROUND 25 KNOTS. SEAS 5 FEET. A  
 CHANCE OF SHOWERS AND THUNDERSTORMS.  
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Issuance for 1019 CDT on October 12

FZUS54 KLCH 121519 2006285 1519  
 CWFLCH  
 COASTAL WATERS FORECAST  
 NATIONAL WEATHER SERVICE LAKE CHARLES LA  
 1019 AM CDT THU OCT 12 2006  
 COASTAL WATERS FROM LOWER ATCHAFALAYA TO HIGH ISLAND TX  
 GMZ400-130015-  
 SYNOPSIS FOR LOWER ATCHAFALAYA TO HIGH ISLAND TX OUT 60  
 NAUTICAL MILES  
 1019 AM CDT THU OCT 12 2006  
 .SYNOPSIS FOR LOWER ATCHAFALAYA TO HIGH ISLAND TX OUT 60 NM...  
 SOUTHERLY WINDS WILL RETURN THIS AFTERNOON AS HIGH PRESSURE MOVES  
 TO THE EAST. THUNDERSTORMS WILL DEVELOP AHEAD OF A COLD FRONT  
 WHICH WILL ADVANCE THROUGH THE NORTHWEST GULF THIS EVENING...WITH  
 MODERATE OFFSHORE FLOW DEVELOPING IN ITS WAKE.  
 \$\$  
 GMZ450-452-455-130015-  
 /O.ROU.KLCH.MA.F.0000.000000T0000Z-000000T0000Z/  
 COASTAL WATERS FROM CAMERON, LA TO HIGH ISLAND, TX OUT 20 NM-  
 COASTAL WATERS FROM INTRACOASTAL CITY TO CAMERON, LA OUT 20 NM-  
 COASTAL WATERS FROM LOWER ATCHAFALAYA RIVER TO INTRACOASTAL CITY,  
 LA OUT 20 NM-  
 1019 AM CDT THU OCT 12 2006  
 .THIS AFTERNOON...SOUTHEAST WINDS 10 TO 15 KNOTS BECOMING SOUTH  
 IN THE AFTERNOON. SEAS 2 FEET. COASTAL LAKES AND BAYS LIGHT CHOP.  
 A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.  
 .TONIGHT...SOUTHEAST WINDS 5 TO 10 KNOTS BECOMING NORTHEAST 10 TO  
 15 KNOTS AFTER MIDNIGHT. SEAS 2 FEET. COASTAL LAKES AND BAYS  
 SMOOTH INCREASING TO LIGHT CHOP AFTER MIDNIGHT. A CHANCE OF  
 SHOWERS AND THUNDERSTORMS.

.FRIDAY...NORTHEAST WINDS 15 TO 20 KNOTS BECOMING EAST 10 TO 15 KNOTS IN THE AFTERNOON. SEAS 3 FEET. COASTAL LAKES AND BAYS CHOPPY DECREASING TO LIGHT CHOP IN THE AFTERNOON. A CHANCE OF SHOWERS AND THUNDERSTORMS.  
.FRIDAY NIGHT...EAST WINDS AROUND 10 KNOTS. SEAS 3 FEET. COASTAL LAKES AND BAYS LIGHT CHOP. A CHANCE OF SHOWERS AND THUNDERSTORMS.  
.SATURDAY...EAST WINDS AROUND 20 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.  
.SATURDAY NIGHT...SOUTHEAST WINDS AROUND 20 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.  
.SUNDAY...SOUTH WINDS AROUND 15 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS CHOPPY. A CHANCE OF SHOWERS AND THUNDERSTORMS.  
.SUNDAY NIGHT...SOUTH WINDS AROUND 15 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS CHOPPY. A CHANCE OF SHOWERS AND THUNDERSTORMS.  
.MONDAY...SOUTH WINDS AROUND 20 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A CHANCE OF SHOWERS AND THUNDERSTORMS.  
.MONDAY NIGHT...SOUTH WINDS AROUND 25 KNOTS. SEAS 4 FEET. COASTAL LAKES AND BAYS ROUGH. A CHANCE OF SHOWERS AND THUNDERSTORMS.

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GMZ470-472-475-130015-

/O.ROU.KLCH.MA.F.0000.000000T0000Z-000000T0000Z/

WATERS FROM CAMERON, LA TO HIGH ISLAND, TX EXTENDING FROM 20 NM TO 60 NM-

WATERS FROM INTRACOASTAL CITY, LA TO CAMERON, LA EXTENDING FROM 20 NM TO 60 NM-

WATERS FROM LOWER ATCHAFALAYA RIVER TO INTRACOASTAL CITY, LA EXTENDING FROM 20 NM TO 60 NM-

1019 AM CDT THU OCT 12 2006

.THIS AFTERNOON...SOUTHEAST WINDS AROUND 10 KNOTS BECOMING SOUTH IN THE AFTERNOON. SEAS 1 FOOT BUILDING TO 2 TO 3 FEET IN THE AFTERNOON. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.

.TONIGHT...SOUTHEAST WINDS AROUND 5 KNOTS BECOMING EAST 10 TO 15 KNOTS AFTER MIDNIGHT. SEAS 3 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.FRIDAY...NORTHEAST WINDS 15 TO 20 KNOTS BECOMING EAST 10 TO 15 KNOTS IN THE AFTERNOON. SEAS 4 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.FRIDAY NIGHT...SOUTHEAST WINDS AROUND 10 KNOTS. SEAS 4 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.SATURDAY...EAST WINDS AROUND 20 KNOTS. SEAS 5 FEET. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.

.SATURDAY NIGHT...SOUTHEAST WINDS AROUND 20 KNOTS. SEAS 5 FEET. A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS.

.SUNDAY...SOUTH WINDS AROUND 20 KNOTS. SEAS 5 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.SUNDAY NIGHT...SOUTH WINDS AROUND 15 KNOTS. SEAS 4 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.MONDAY...SOUTH WINDS AROUND 20 KNOTS. SEAS 5 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

.MONDAY NIGHT...SOUTH WINDS AROUND 25 KNOTS. SEAS 5 FEET. A CHANCE OF SHOWERS AND THUNDERSTORMS.

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## 10. Other Marine Reports

Other marine reports disseminated by the LCH WFO during the period 0605-1205 follow.

SXUS54 KLCH 121105 2006285 1105  
OMRLCH  
TXC245-LAC019-LAC055-121215-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
605 AM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 6 AM,  
AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 67 DEGREES,  
THE WIND WAS OUT OF THE EAST AT 4 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 1.99 FEET WHICH IS  
0.05 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE NORTHEAST AT  
5 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 1.36 FEET WHICH IS  
0.49 FEET BELOW TIDE TABLE LEVELS.

SXUS54 KLCH 121205 2006285 1205  
OMRLCH  
TXC245-LAC019-LAC055-121315-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
705 AM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 7 AM,  
AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 66 DEGREES,  
THE WIND WAS OUT OF THE SOUTHEAST AT 4 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 1.91 FEET WHICH IS  
0.18 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE EAST AT  
4 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 1.22 FEET WHICH IS  
0.53 FEET BELOW TIDE TABLE LEVELS.

SXUS54 KLCH 121305 2006285 1305  
OMRLCH  
TXC245-LAC019-LAC055-121415-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
805 AM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 8 AM,  
AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 67 DEGREES,  
THE WIND WAS OUT OF THE SOUTHEAST AT 5 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 1.61 FEET WHICH IS  
0.06 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE EAST AT  
7 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 1.21 FEET WHICH IS  
0.44 FEET BELOW TIDE TABLE LEVELS.

SXUS54 KLCH 121405 2006285 1405  
OMRLCH  
TXC245-LAC019-LAC055-121515-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
905 AM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 9 AM,

AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 72 DEGREES,  
THE WIND WAS OUT OF THE SOUTHEAST AT 6 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 1.53 FEET WHICH IS  
0.19 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE EAST AT  
9 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 1.11 FEET WHICH IS  
0.39 FEET BELOW TIDE TABLE LEVELS.

SXUS54 KLCH 121505 2006285 1505  
OMRLCH  
TXC245-LAC019-LAC055-121615-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
1005 AM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 10 AM,  
AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 77 DEGREES,  
THE WIND WAS OUT OF THE SOUTH AT 8 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 1.39 FEET WHICH IS  
0.30 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE SOUTHEAST AT  
11 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 0.92 FEET WHICH IS  
0.35 FEET BELOW TIDE TABLE LEVELS.

SXUS54 KLCH 121605 2006285 1605  
OMRLCH  
TXC245-LAC019-LAC055-121715-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
1105 AM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 11 AM,  
AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 79 DEGREES,  
THE WIND WAS OUT OF THE SOUTH AT 10 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 1.19 FEET WHICH IS  
0.37 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE SOUTHEAST AT  
12 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 0.72 FEET WHICH IS  
0.28 FEET BELOW TIDE TABLE LEVELS.

SXUS54 KLCH 121705 2006285 1705  
OMRLCH  
TXC245-LAC019-LAC055-121815-  
OTHER MARINE REPORTS  
NATIONAL WEATHER SERVICE LAKE CHARLES, LA  
1205 PM CDT THU OCT 12 2006  
MARINE OBSERVATIONS AT 12 PM,  
AT HEBERT'S MARINA ON BIG LAKE, THE AIR TEMPERATURE WAS 78 DEGREES,  
THE WIND WAS OUT OF THE SOUTHWEST AT 15 KNOTS.  
AT CALCASIEU PASS AT CAMERON JETTY, THE TIDE LEVEL IS 0.83 FEET WHICH IS  
0.37 FEET ABOVE TIDE TABLE LEVELS. THE WIND IS OUT OF THE SOUTH AT  
11 KNOTS.  
AT SABINE PASS COAST GUARD STATION, THE TIDE LEVEL IS 0.48 FEET WHICH IS  
0.18 FEET BELOW TIDE TABLE LEVELS.

James T. Skeen, Jr.  
Senior Meteorologist