



NATIONAL TRANSPORTATION SAFETY BOARD
Office of Research and Engineering
Washington, DC

Conti Peridot and Carla Maersk Motion Study

Errata

February 29, 2016

D.A. Crider

A. ACCIDENT: DCA-15-MM-017

Accident Type: Collision
Location: Houston Ship Channel, Morgan's Point, Texas
Date: March 9, 2015
Time: Approximately 17:30
Vessel: *Conti Peridot* and *Carla Maersk*

B. GROUP IDENTIFICATION:

No group was formed for this activity

C. SUMMARY

see the IIC's accident summary

D. PURPOSE OF ERRATA

When discussing the coordinates of the AIS GPS antenna at the time of the collision, the wording in the original document stated that the impact was on the starboard bow and then stated the impact was 35 feet port of the centerline for the *Conti Peridot* and 53 feet port of centerline for the *Carla Maersk*. The impact was on the port side of both ships and the text is revised below. In addition, there was a sign error in the calculation of the AIS GPS final position for the *Carla Maersk*. The revised text below corrects this.

Conti Peridot

The AIS GPS antenna is located 535 ft from the bow and 26 ft starboard of the center line. The initial impact point on the *Conti Peridot* was on the port bow about 35 ft port of the center line and 32 ft aft of the bow. The ships heading was approximately 314 deg true at the time of the collision. At impact, the coordinates of the GPS antenna relative to the point of collision were:

$$\begin{aligned}\text{East} &= (26+35)\cos(360-314) + (535-32) \sin (360-314) = 404 \text{ ft} \\ \text{North} &= (26+35)\sin(360-314) - (535-32) \cos (360-314) = -306 \text{ ft}\end{aligned}$$

Carla Maersk

The AIS GPS antenna is located 512 ft from the bow and 24 ft starboard of the center line. The initial impact point on the *Carla Maersk* was on the port side about 53 ft port of the center line and about 170 ft aft of the bow. The ships heading was approximately 197 deg true at the time of the collision. At impact, the coordinates of the GPS antenna relative to the point of collision were:

$$\begin{aligned}\text{East} &= (512-170)\sin(197-180) - (53+24)\cos (197-180) = 26.4 \text{ ft} \\ \text{North} &= (512-170)\cos(197-180) + (53+24)\sin (197-180) = 349.5 \text{ ft}\end{aligned}$$

The integration for the *Carla Maersk* performed backward from the 12:30:43 collision time and the positions of the GPS antennas at impact, was revised using the corrected final GPS antenna coordinates. This revised figures 6 and 7 slightly as shown below.

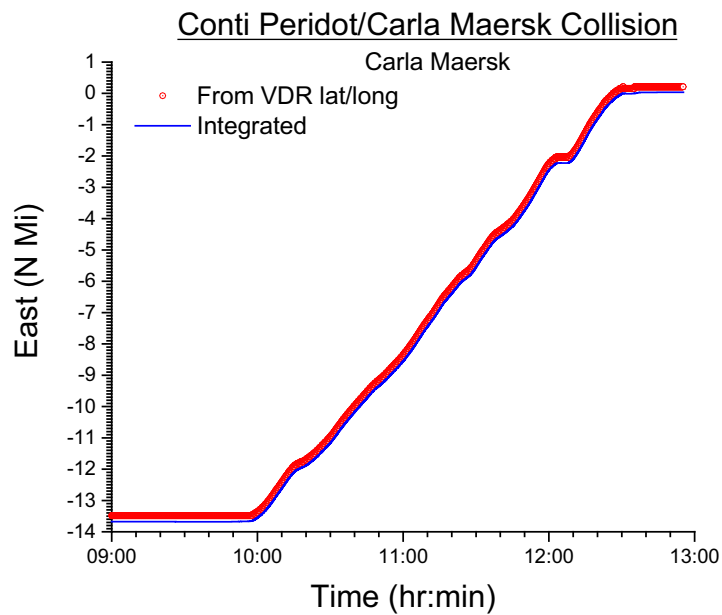


Figure 1 Carla Maersk east position

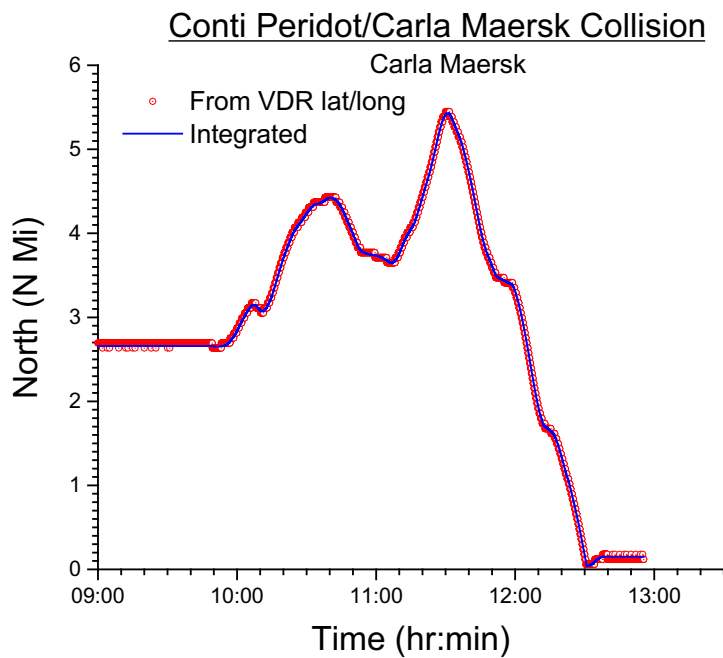


Figure 2 Carla Maersk north position