



National Transportation Safety Board

Office of Marine Safety
Washington, D.C. 20594-2000
December 13, 2016

**ATTACHMENT 32 to the METEOROLOGY GROUP FACTUAL REPORT
DCA16MM001**

National Weather Service metadata on *El Faro*.

Calibration dates for the dry bulb thermometer, hygrometer, sea surface temperature sensor and the anemometer are the calibration dates according to the vessel's owner. Calibration dates for the barometers are erroneous (see section 5.10.1 in the Meteorological Factual Report for estimated calibration dates).

*Submitted by: Mike Richards
NTSB, AS-30*

EL FARO			
Call Sign	WFJK	Draught (m)	8.5
IMO Number	7395351	Departure of Reference Level (m)	
Length (m)	265.0	Bridge Distance to Bow (m)	162.0
Breadth (m)	32.0	Observation Height (m)	24.4
Freeboard (m)	13.0	Maximum Operating Speed (kts)	
Barometer		Primary	
Make Model	Belfort G-101		
Owner	NOAA		
Type	Aneroid barometer (issued by Port Meteorological Officer or Meteorological Agency)		
Serial Number	838985		
Location	Wheelhouse, not pressurized		
Height above SLL (m)	28.0		
Calibration Date	2014-03-17		
Dry Bulb Thermometer		Primary	
Make Model	Zeal		
Owner	NOAA		
Type	Alcohol thermometer		
Serial Number	0000		
Location	Bridge wing both sides		
Exposure	Screen (ventilated or assisted ventilation)		
Height above SLL (m)	30.0		
Calibration Date	2011-04-08		
Hygrometer		Primary	
Make Model	Zeal		
Owner	NOAA		
Type	Psychrometer		
Serial Number	0000		
Location	Bridge wing both sides		
Exposure	Screen(ventilated or assisted ventilation)		
Height above SLL (m)	30.0		
Calibration Date	2011-04-08		
Sea Surface Temperature		Primary	
Make Model	Ship		
Owner	Ship		
Type	Condenser intake on steam ships, or engine cooling inlet on motor ships		
Serial Number	0000		
Depth (m)	3.0		
Calibration Date	2009-04-01		
Barograph		Primary	
Make Model	DBX1		
Owner	NOAA		

Type	Tendency obtained from an electronic digital barometer	
Serial Number	117087	
Height above SLL (m)	28.3	
Calibration Date	2014-10-07	
Anemometer	Primary	
Make Model	R.M. Young	
Owner	Ship	
Type	Propeller vane	
Serial Number	0000	
Location	Mast on wheelhouse top	
Height above SLL (m)	30.5	
Distance from Bow (m)	162.0	
Distance from Centerline (m)	3.0	
Height Above Deck Installed (m)	3.5	
Calibration Date	2011-04-08	
Other Metadata		
Country of Registration	UNITED STATES	
PMO	Jacksonville	
Recruiting Country	UNITED STATES	
Ship Status	De-recruited from VOS program	
Vessel Type	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	
Owner Type	Commercial	
Image Status	NA	
Construction Year	1975	
Gross Tonnage	11399	
Cargo Height	20.0	
Reporting Ship Type	Selected	
Observation Automation	Fully manual (no automation)	
Transmission Satellite System	Inmarsat-C (SEAS)	
Observation Frequency	Four observations per day (6 hour intervals)	
Logbook Name	TurboWin	
Logbook Version	5.0	
Transmission Format	Code 41	
Windwave Observation Practice	Anemometer, true wind computed	
AWS Baseline Check	No automation	
AWS Make / Model		
AWS Processing Software		
AWS Collection Software		
AWS Owner		
Terminal Description	PC	
Ocean	Atlantic	
Facsimile (Y/N)		
eMail Address	[REDACTED]@internet-c.com	

Mobile Phone Number	
Satellite Phone Number	
Landline Phone Number	
Fax Number	
Last Observation Date	2015-09-30
Last Visit Date	2015-04-28
Contact	SEA STAR SHIPPING

