

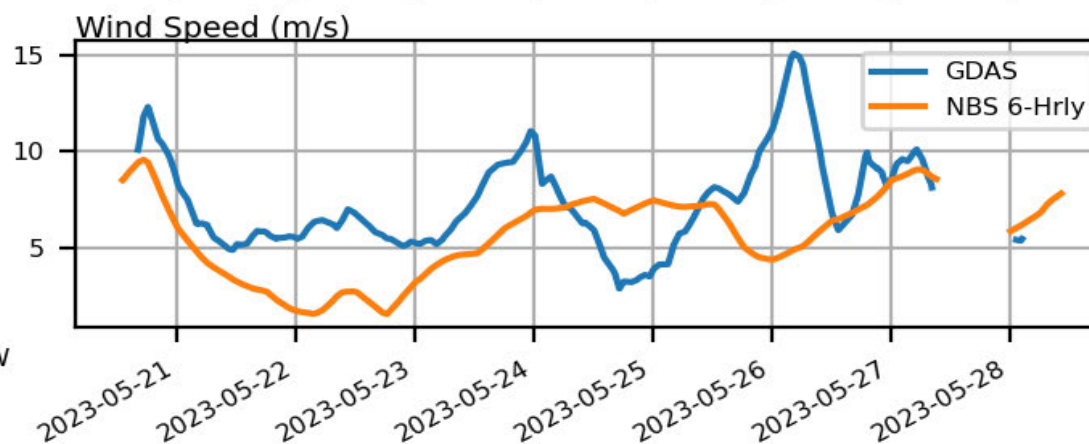
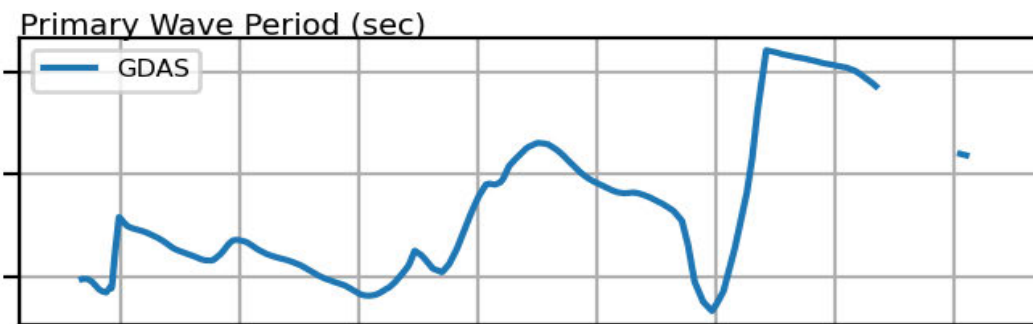
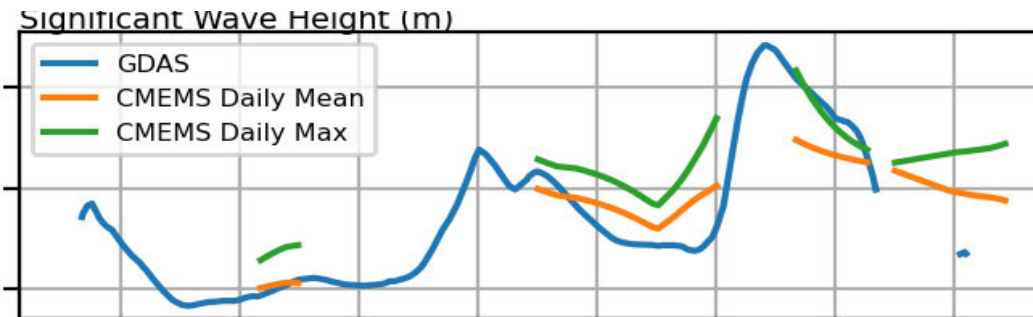
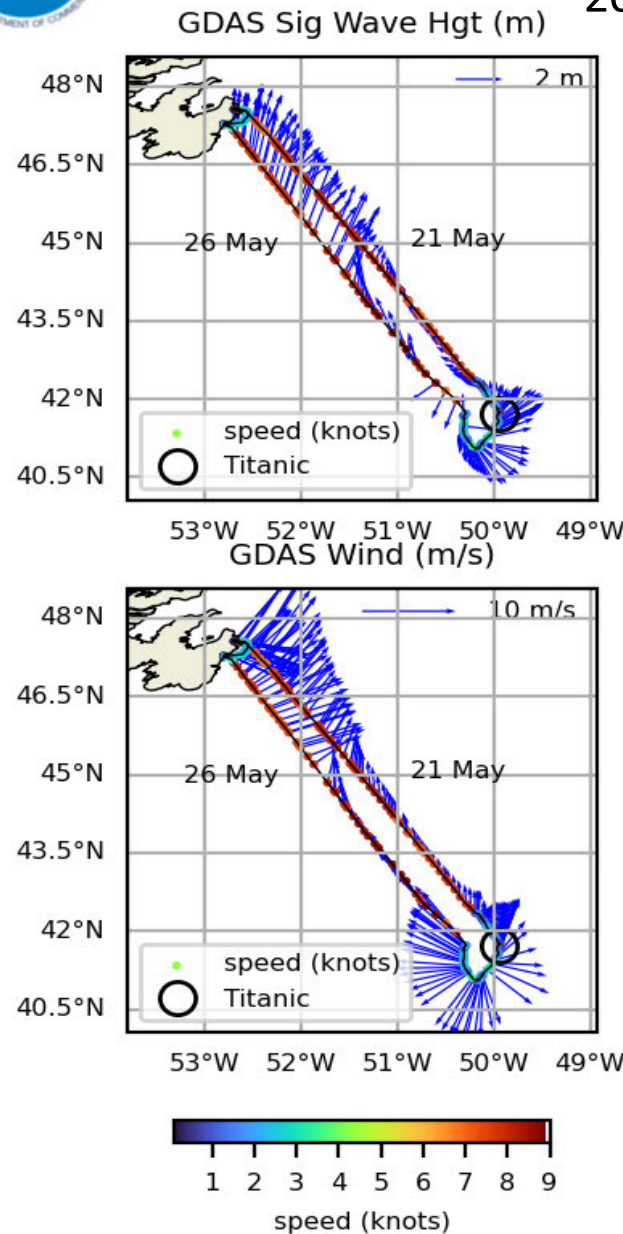
NOAA / NWS Surface Analyses / Weather Charts

- Mission #2 - 20-28 May 2023 - 3 charts
 - Mission #3 - 29 May – 06 Jun 2023 -2 charts
 - Mission #4 - 7 – 15 Jun 2023 - 4 charts
 - Mission #5 - 16 – 18 Jun 2023 -3 charts
-
- Vessel positions relative to ongoing weather – AIS positions via U.S. Gov Seavision
 - Intention to relate ongoing weather features with the voyage plots



Polar Prince / Titan Mission #2

20 May 2023 to 28 May 2023

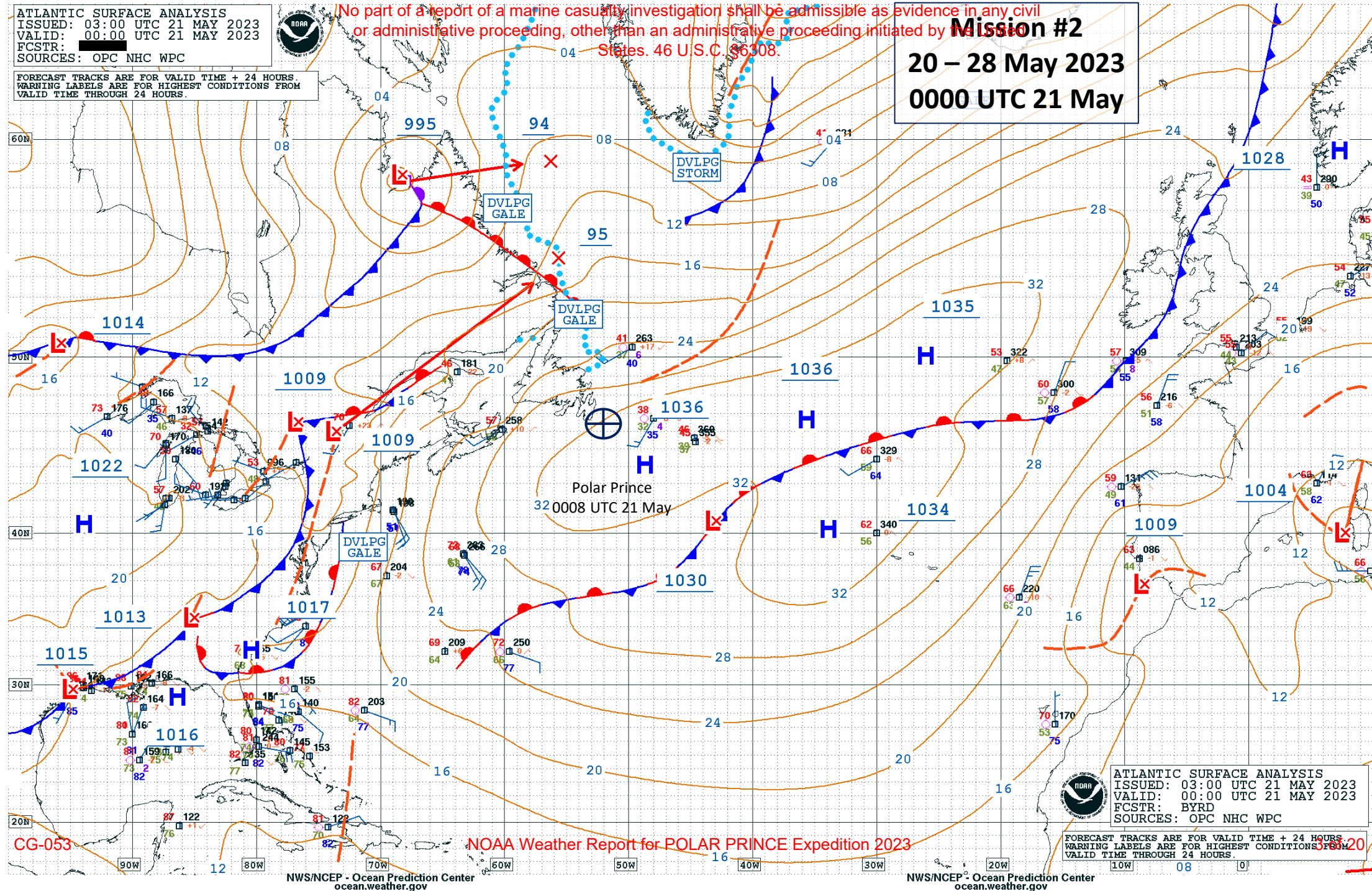


FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States. 46 U.S.C. §6308.

Mission #2
20 – 28 May 2023
0000 UTC 21 May



CG-053

NOAA Weather Report for POLAR PRINCE Expedition 2023

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

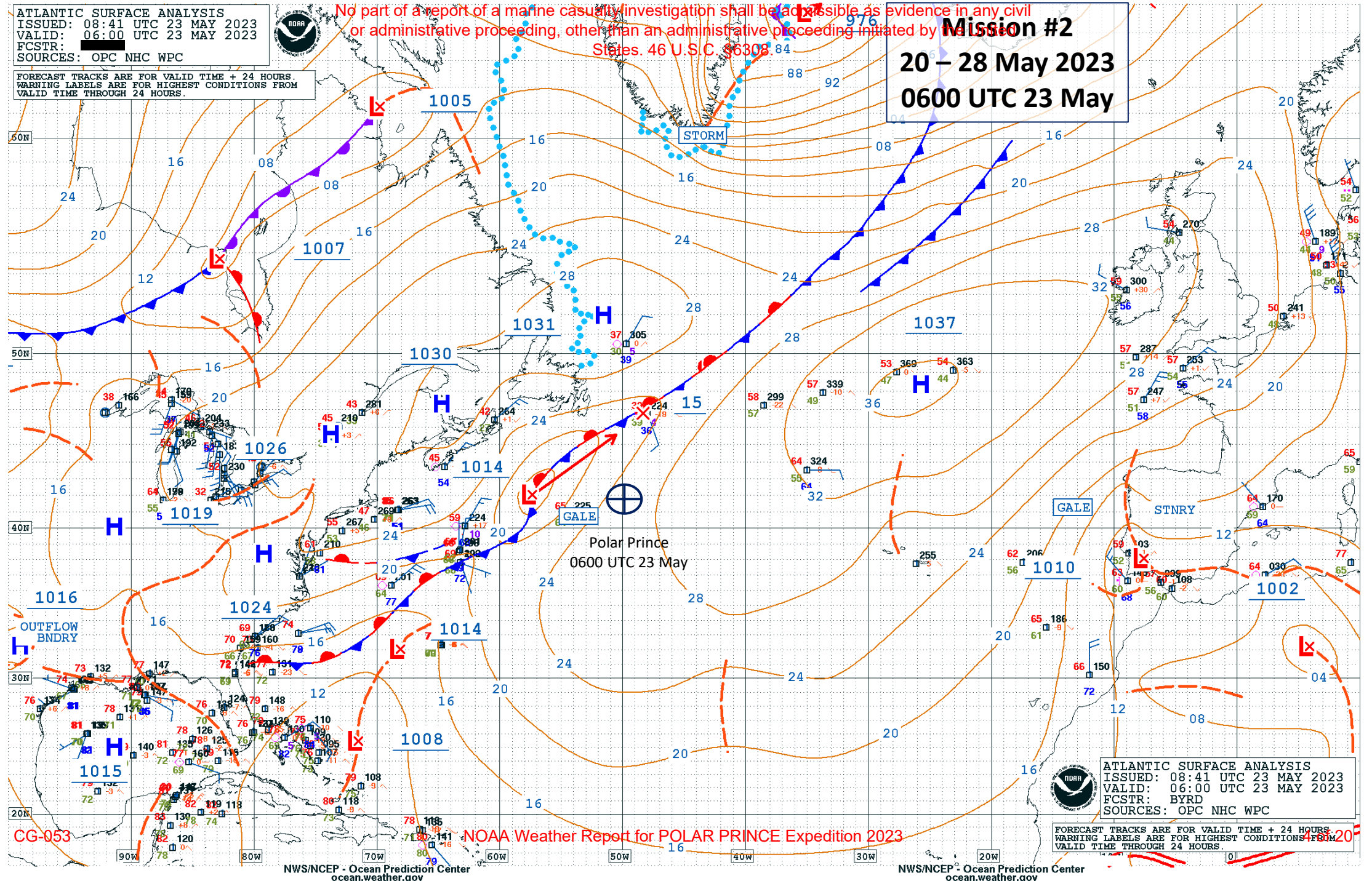
ATLANTIC SURFACE ANALYSIS
ISSUED: 08:41 UTC 23 MAY 2023
VALID: 06:00 UTC 23 MAY 2023
FCSTR:
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #2
20 – 28 May 2023
0600 UTC 23 May



ATLANTIC SURFACE ANALYSIS
ISSUED: 08:41 UTC 23 MAY 2023
VALID: 06:00 UTC 23 MAY 2023
FCSTR: BYRD
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

ATLANTIC SURFACE ANALYSIS
ISSUED: 02:56 UTC 24 MAY 2023
VALID: 00:00 UTC 24 MAY 2023
FCSTR:
SOURCES: OPC NHC WPC

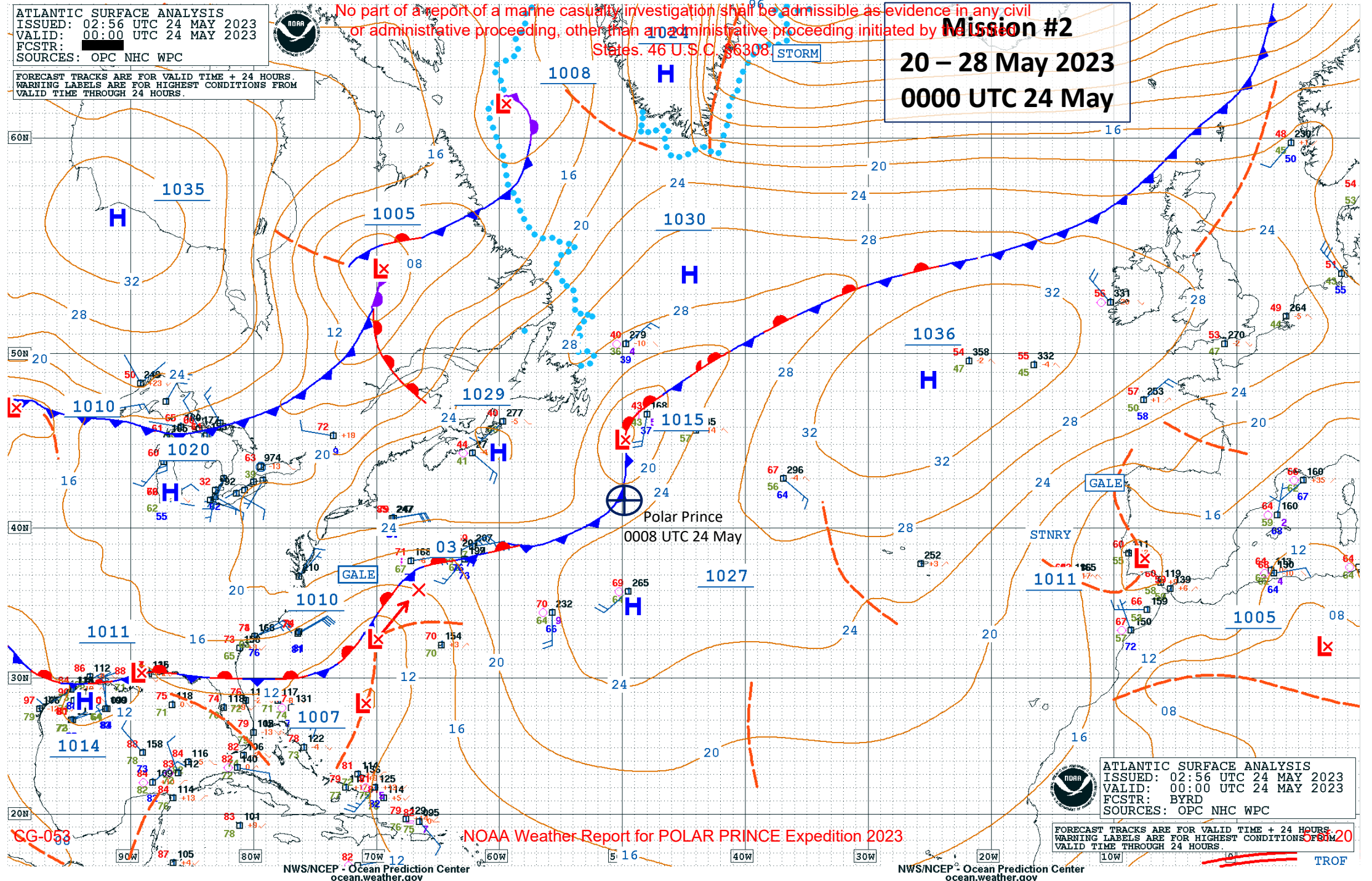
FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #2

20 – 28 May 2023
0000 UTC 24 May



ATLANTIC SURFACE ANALYSIS
ISSUED: 02:56 UTC 24 MAY 2023
VALID: 00:00 UTC 24 MAY 2023
FCSTR: BYRD
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

NOAA Weather Report for POLAR PRINCE Expedition 2023

TROF

ATLANTIC SURFACE ANALYSIS
ISSUED: 09:06 UTC 26 MAY 2023
VALID: 06:00 UTC 26 MAY 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

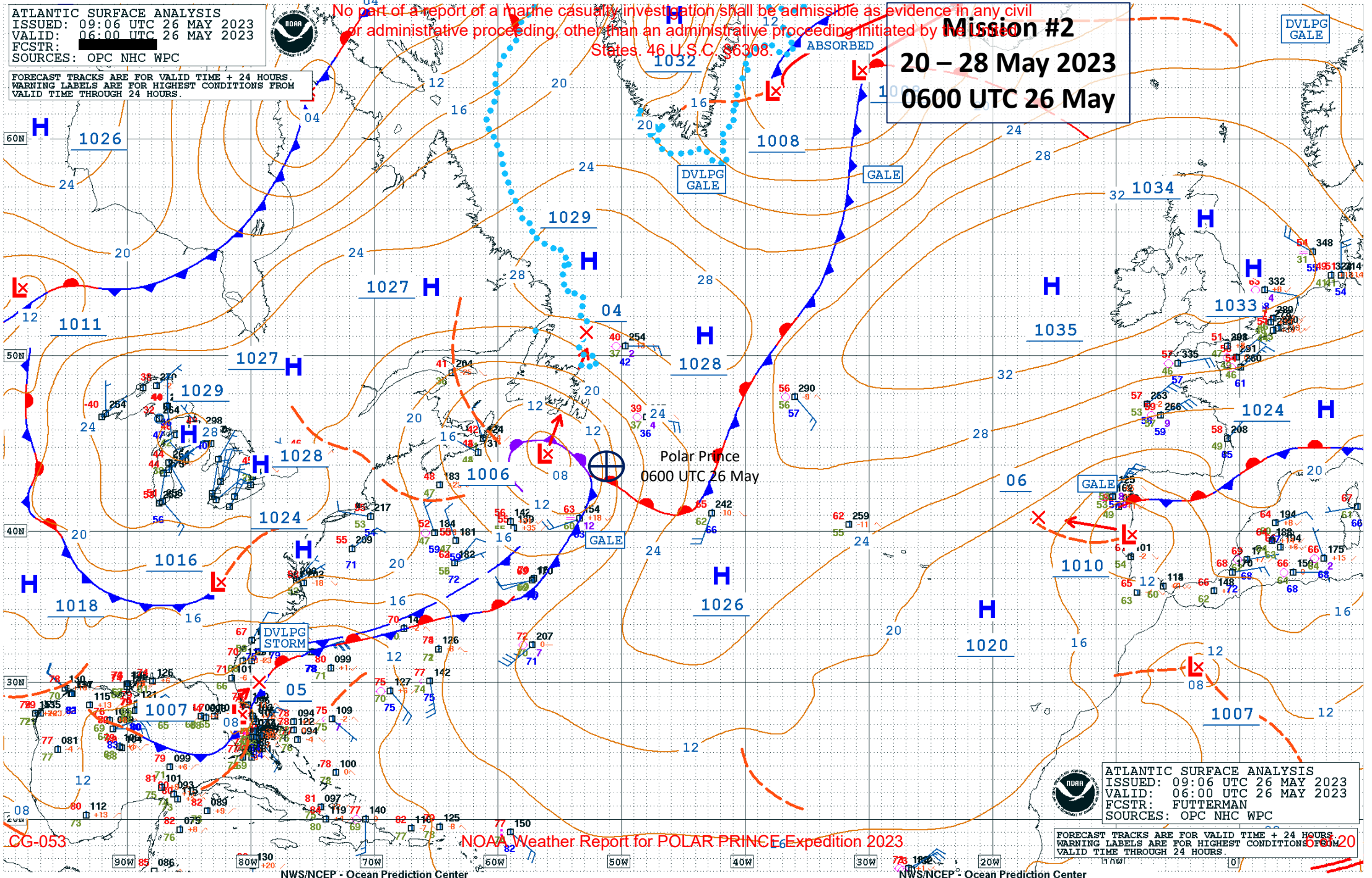
FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #2
20 – 28 May 2023
0600 UTC 26 May

DVLPG
GALE



CG-053

NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 09:06 UTC 26 MAY 2023
VALID: 06:00 UTC 26 MAY 2023
FCSTR: FUTTERMAN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

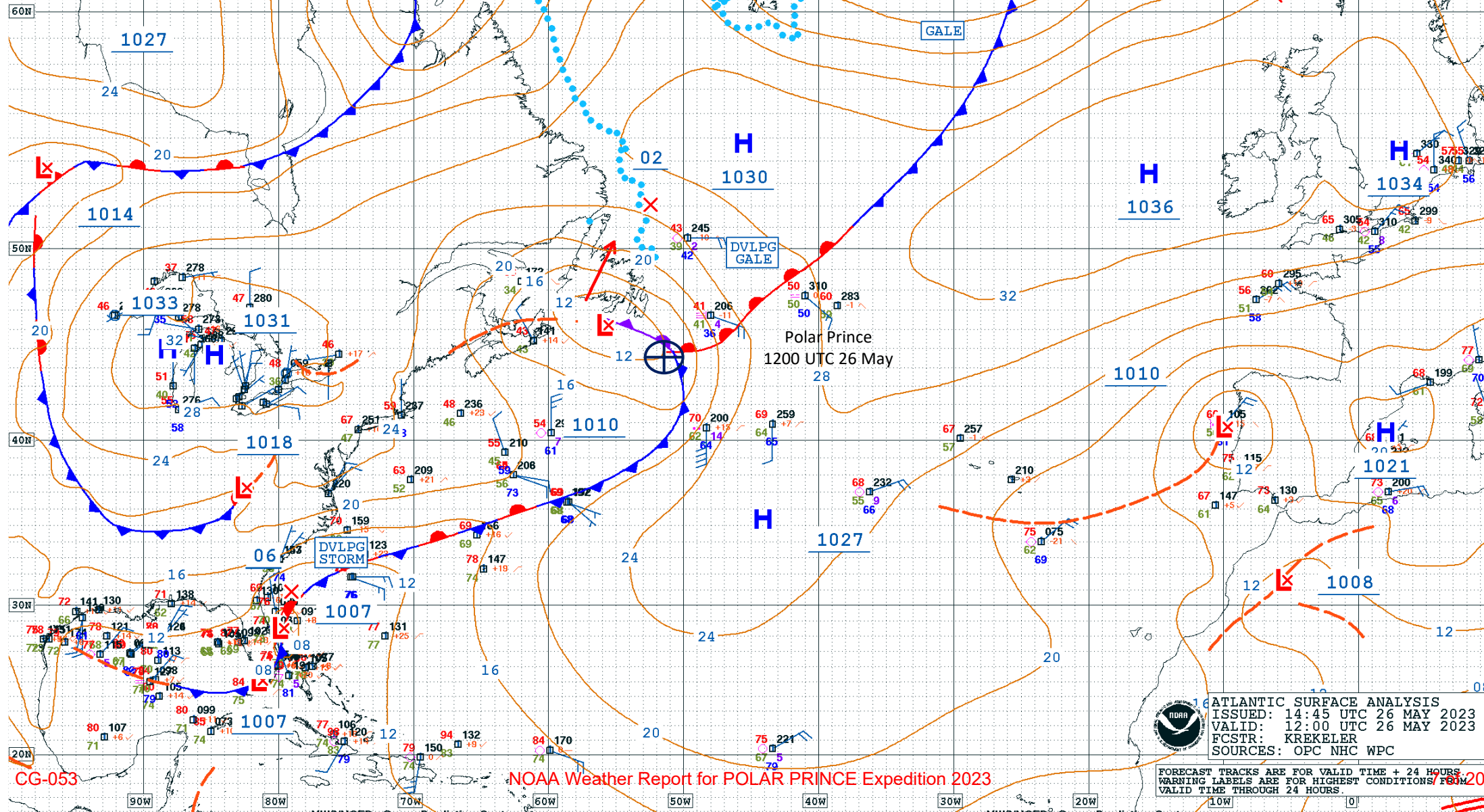
ATLANTIC SURFACE ANALYSIS
ISSUED: 14:45 UTC 26 MAY 2023
VALID: 12:00 UTC 26 MAY 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States. 46 U.S.C. §6308.

Mission #2
20 – 28 May 2023
1200 UTC 26 May



CG-053

NOAA Weather Report for POLAR PRINCE Expedition 2023



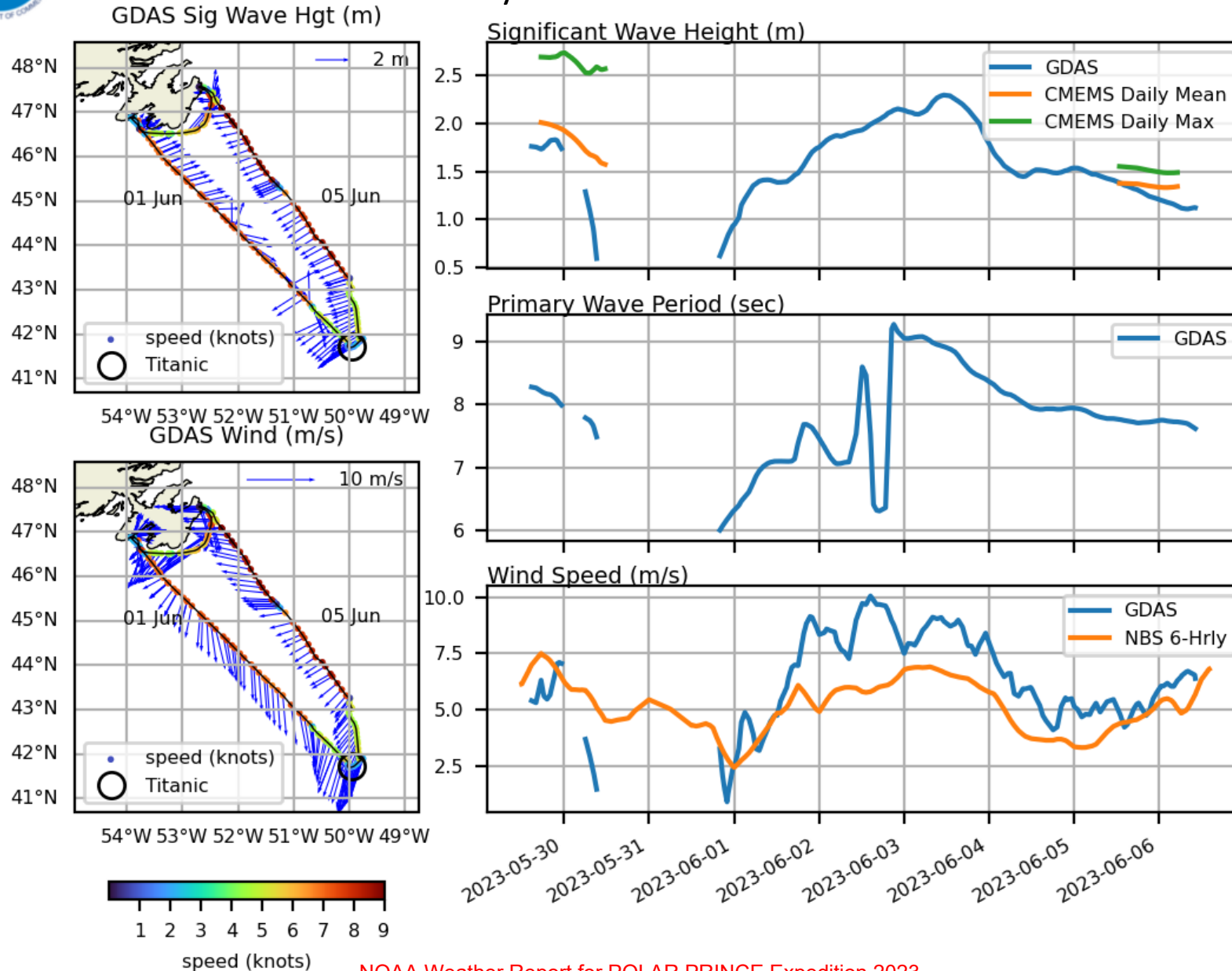
ATLANTIC SURFACE ANALYSIS
ISSUED: 14:45 UTC 26 MAY 2023
VALID: 12:00 UTC 26 MAY 2023
FCSTR: KREKELER
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



Polar Prince / Titan Mission #3

29 May 2023 to 06 Jun 2023



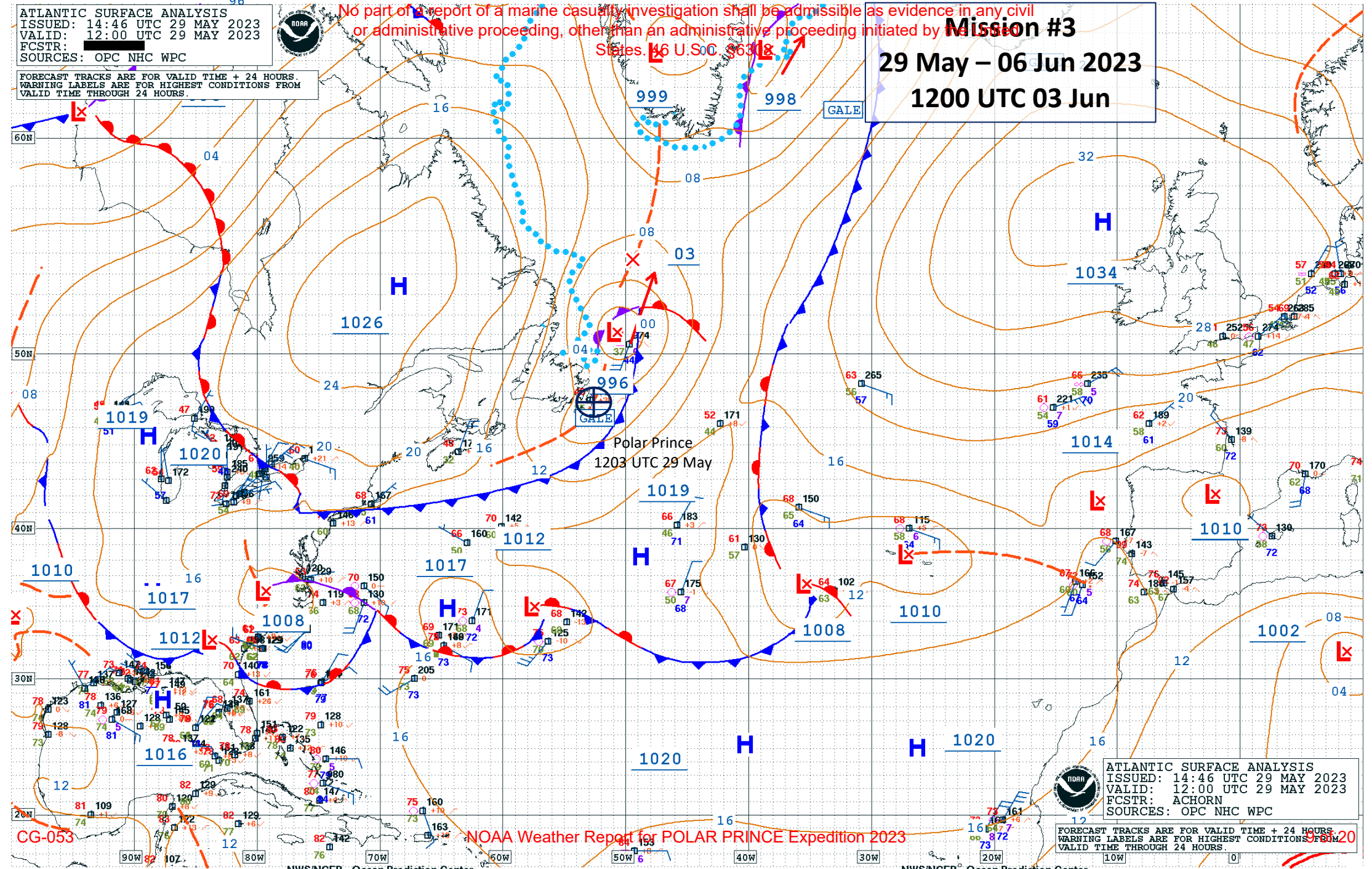
ATLANTIC SURFACE ANALYSIS
ISSUED: 14:46 UTC 29 MAY 2023
VALID: 12:00 UTC 29 MAY 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS



No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States. 46 U.S.C. 3631g

Mission #3
29 May – 06 Jun 2023
1200 UTC 03 Jun



CG-053

NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 14:46 UTC 29 MAY 2023
VALID: 12:00 UTC 29 MAY 2023
FCSTR: ACHORN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS

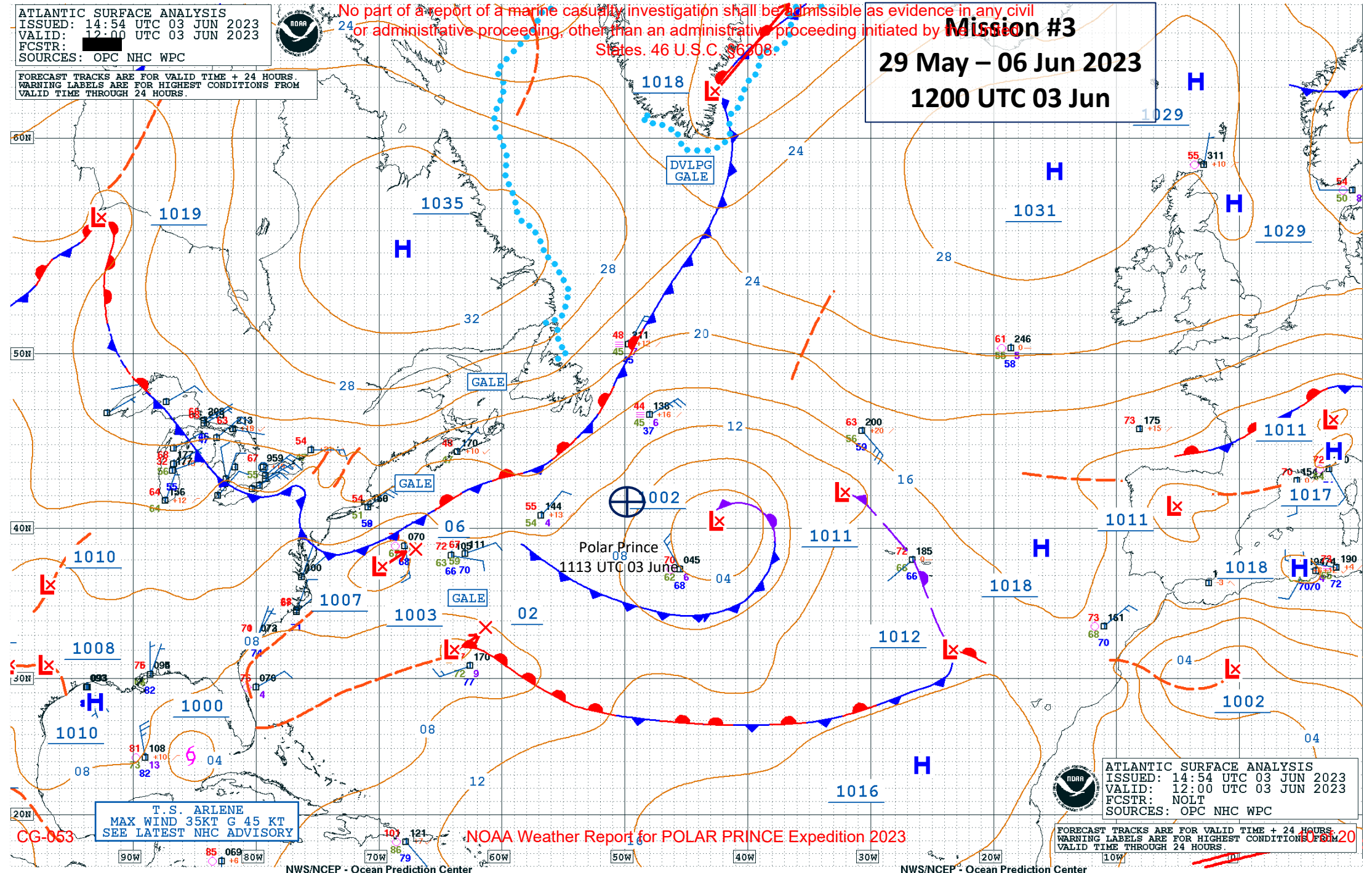
ATLANTIC SURFACE ANALYSIS
ISSUED: 14:54 UTC 03 JUN 2023
VALID: 12:00 UTC 03 JUN 2023
FCSTR:
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #3
29 May – 06 Jun 2023
1200 UTC 03 Jun



T.S. ARLENE
MAX WIND 35KT G 45 KT
SEE LATEST NHC ADVISORY

NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 14:54 UTC 03 JUN 2023
VALID: 12:00 UTC 03 JUN 2023
FCSTR: NOLT
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

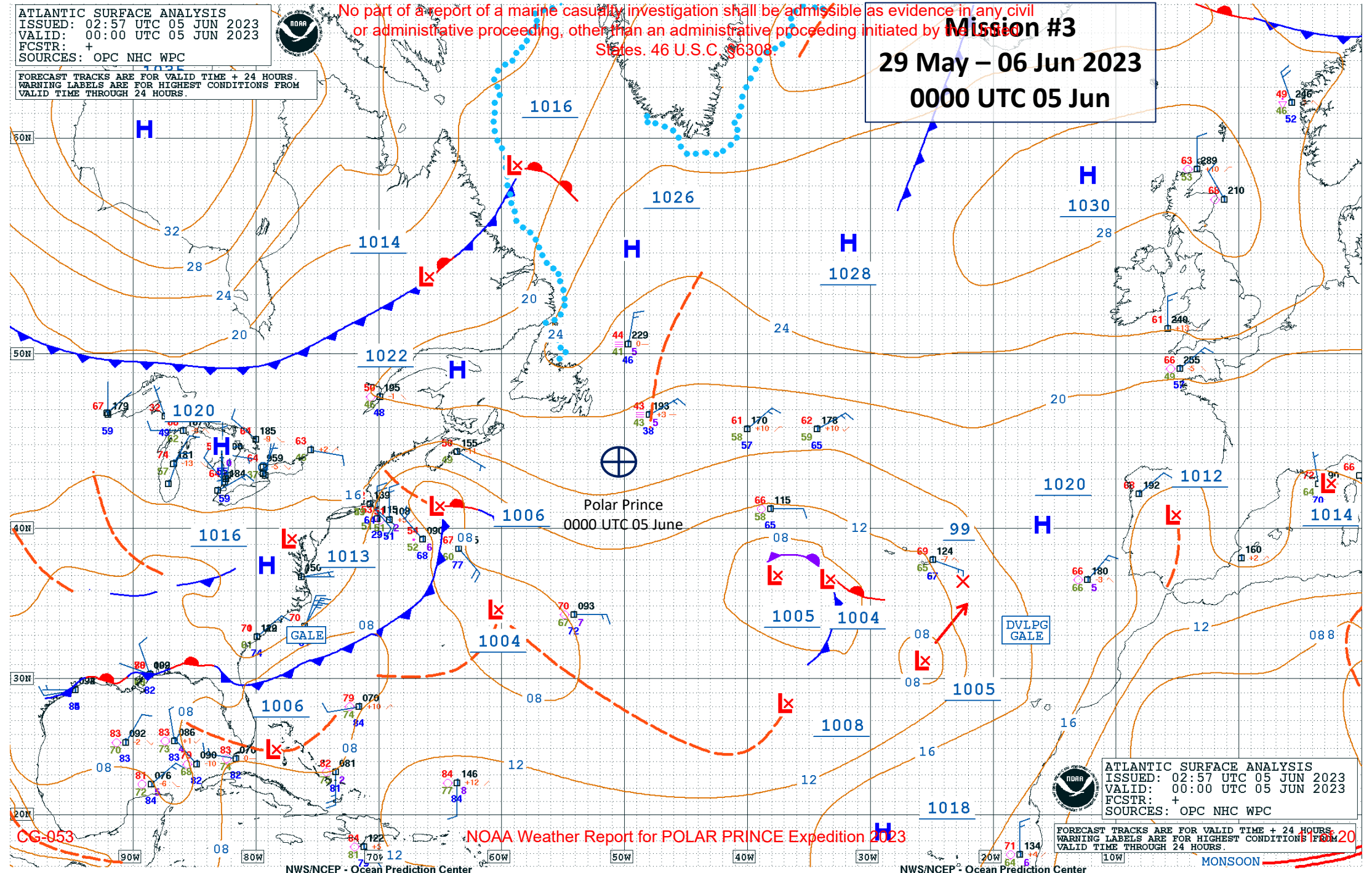
ATLANTIC SURFACE ANALYSIS
ISSUED: 02:57 UTC 05 JUN 2023
VALID: 00:00 UTC 05 JUN 2023
FCSTR: +
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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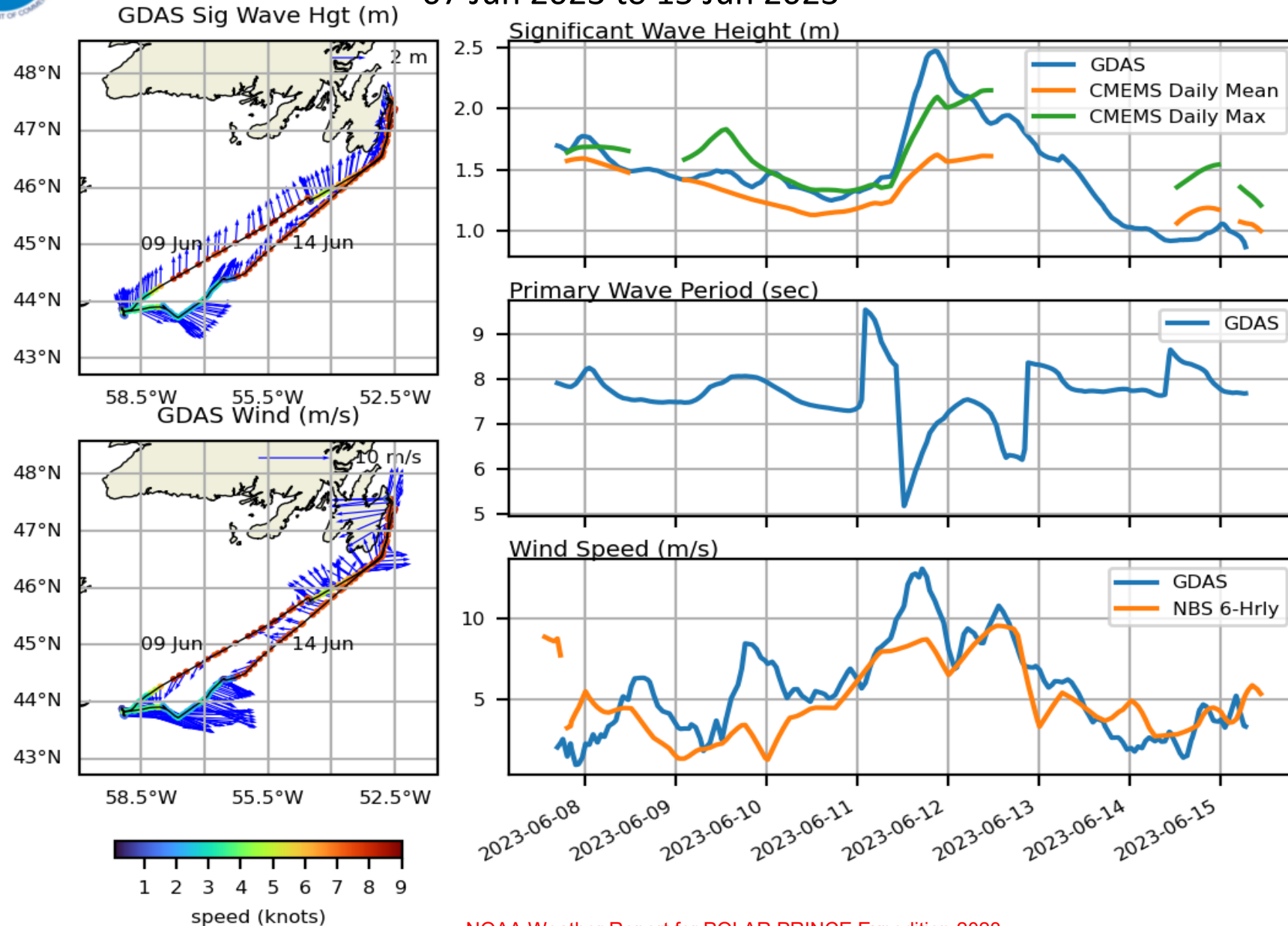
Mission #3
29 May – 06 Jun 2023
0000 UTC 05 Jun





Polar Prince / Titan Mission #4

07 Jun 2023 to 15 Jun 2023



CG-053

NCEP/OPC

NOAA Weather Report for POLAR PRINCE Expedition 2023

CMEMS: E.U. Copernicus Marine Service Information; DOI: <https://doi.org/10.48670/moi-00180>
NBS: NOAA NCEI Blended Seawinds version 2.0; DOI: <https://doi.org/10.3389/fmars.2022.935549>

12 of 20

11 Mar 2024

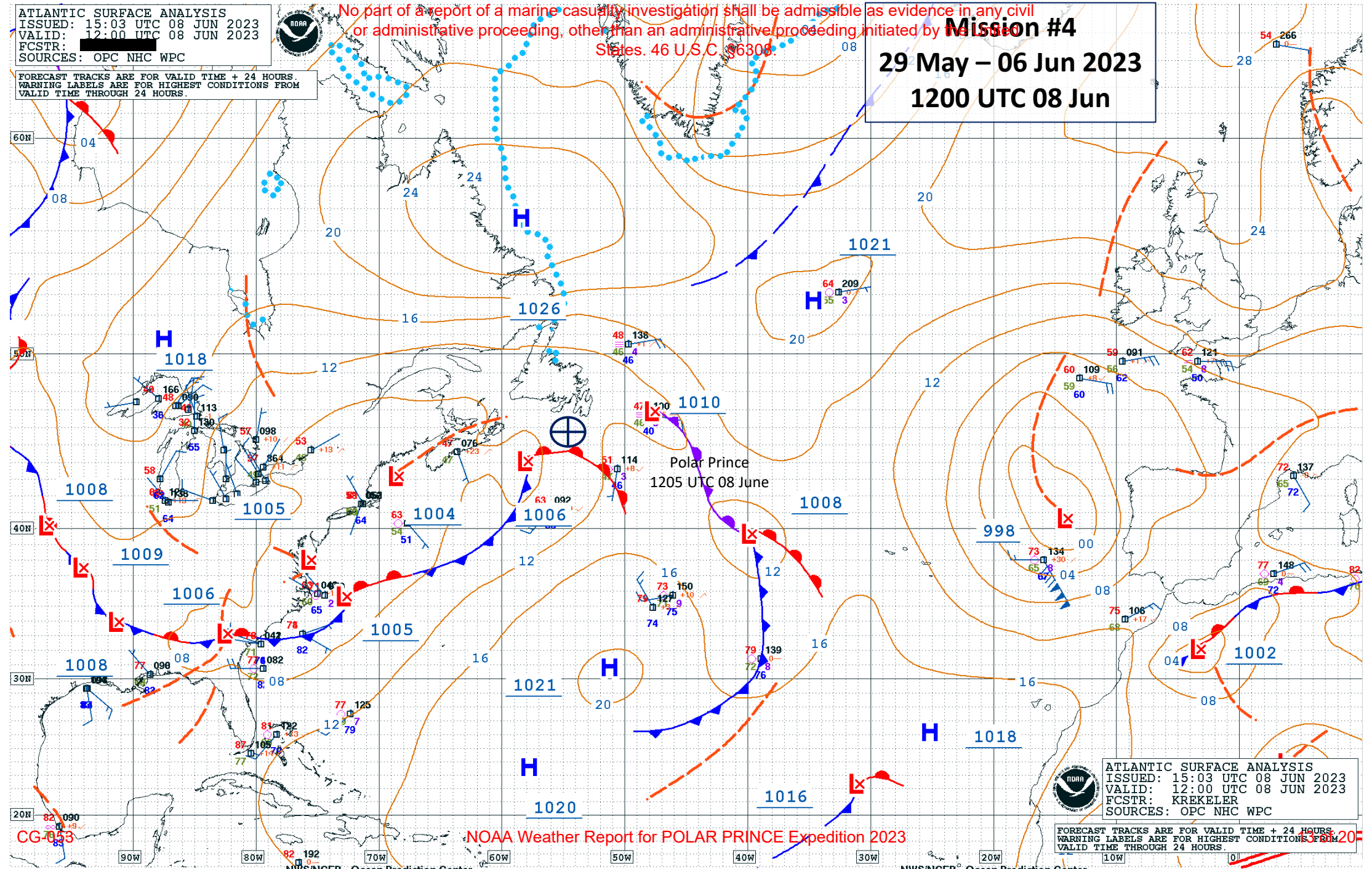
ATLANTIC SURFACE ANALYSIS
ISSUED: 15:03 UTC 08 JUN 2023
VALID: 12:00 UTC 08 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States. 46 U.S.C. §6309.

Mission #4
29 May – 06 Jun 2023
1200 UTC 08 Jun



Polar Prince
1205 UTC 08 June

CG-053

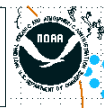
NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 15:03 UTC 08 JUN 2023
VALID: 12:00 UTC 08 JUN 2023
FCSTR: KREKELER
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

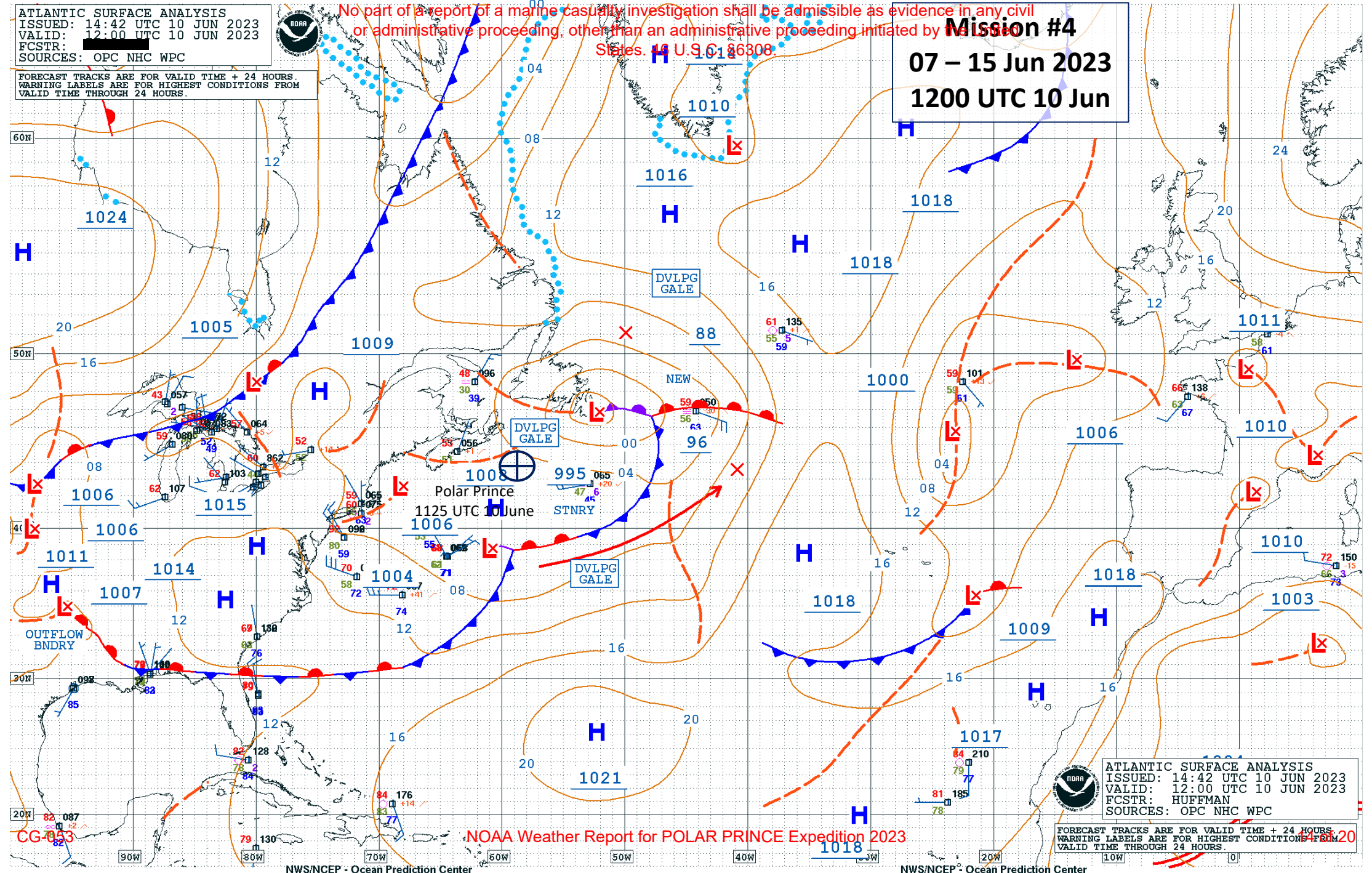
ATLANTIC SURFACE ANALYSIS
ISSUED: 14:42 UTC 10 JUN 2023
VALID: 12:00 UTC 10 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States. 44 U.S.C. § 6308.

Mission #4
07 – 15 Jun 2023
1200 UTC 10 Jun



ATLANTIC SURFACE ANALYSIS
ISSUED: 14:42 UTC 10 JUN 2023
VALID: 12:00 UTC 10 JUN 2023
FCSTR: HUFFMAN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

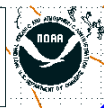
NOAA Weather Report for POLAR PRINCE Expedition 2023

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

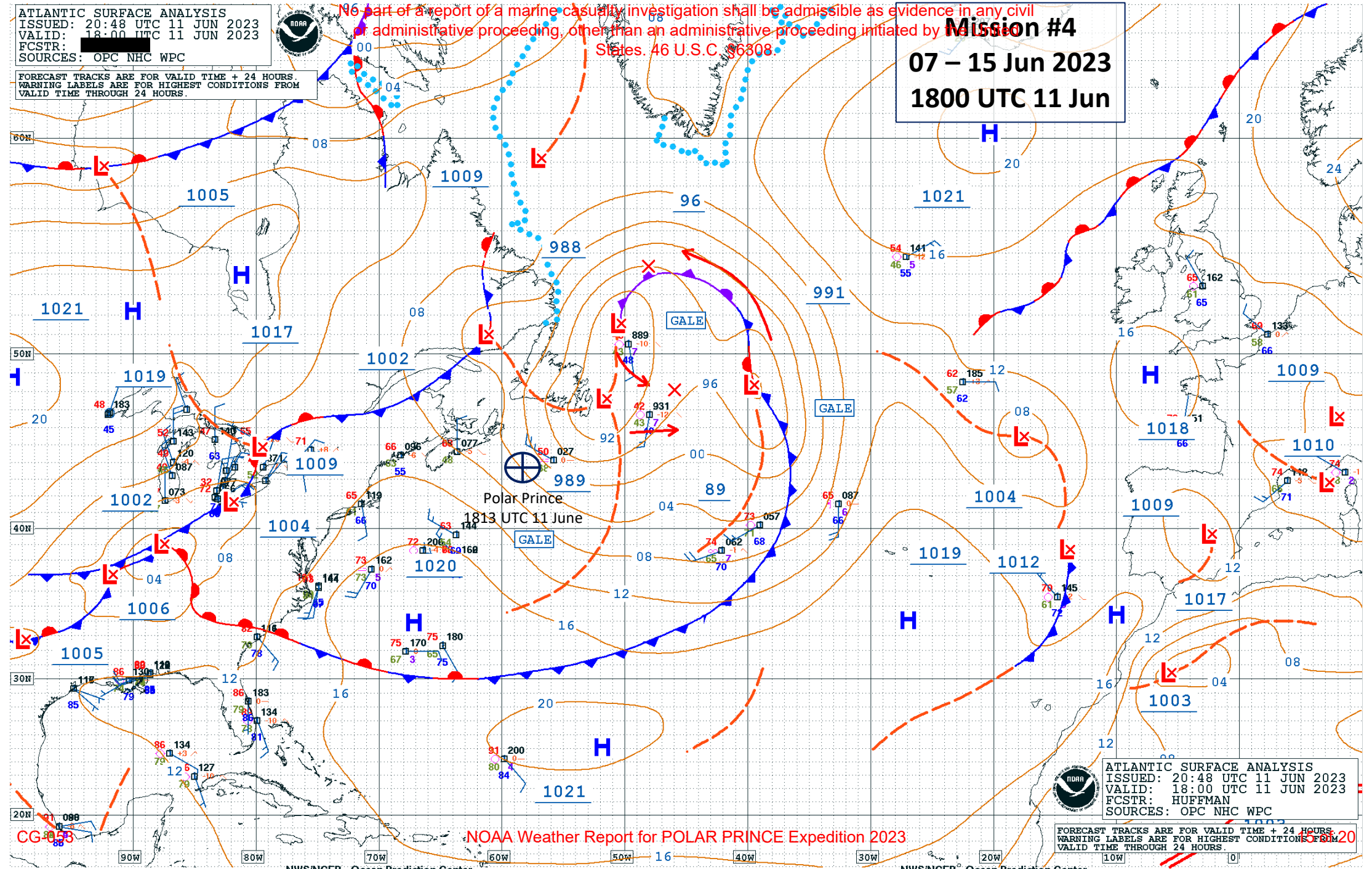
ATLANTIC SURFACE ANALYSIS
ISSUED: 20:48 UTC 11 JUN 2023
VALID: 18:00 UTC 11 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #4
07 – 15 Jun 2023
1800 UTC 11 Jun



ATLANTIC SURFACE ANALYSIS
ISSUED: 15:16 UTC 12 JUN 2023
VALID: 12:00 UTC 12 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

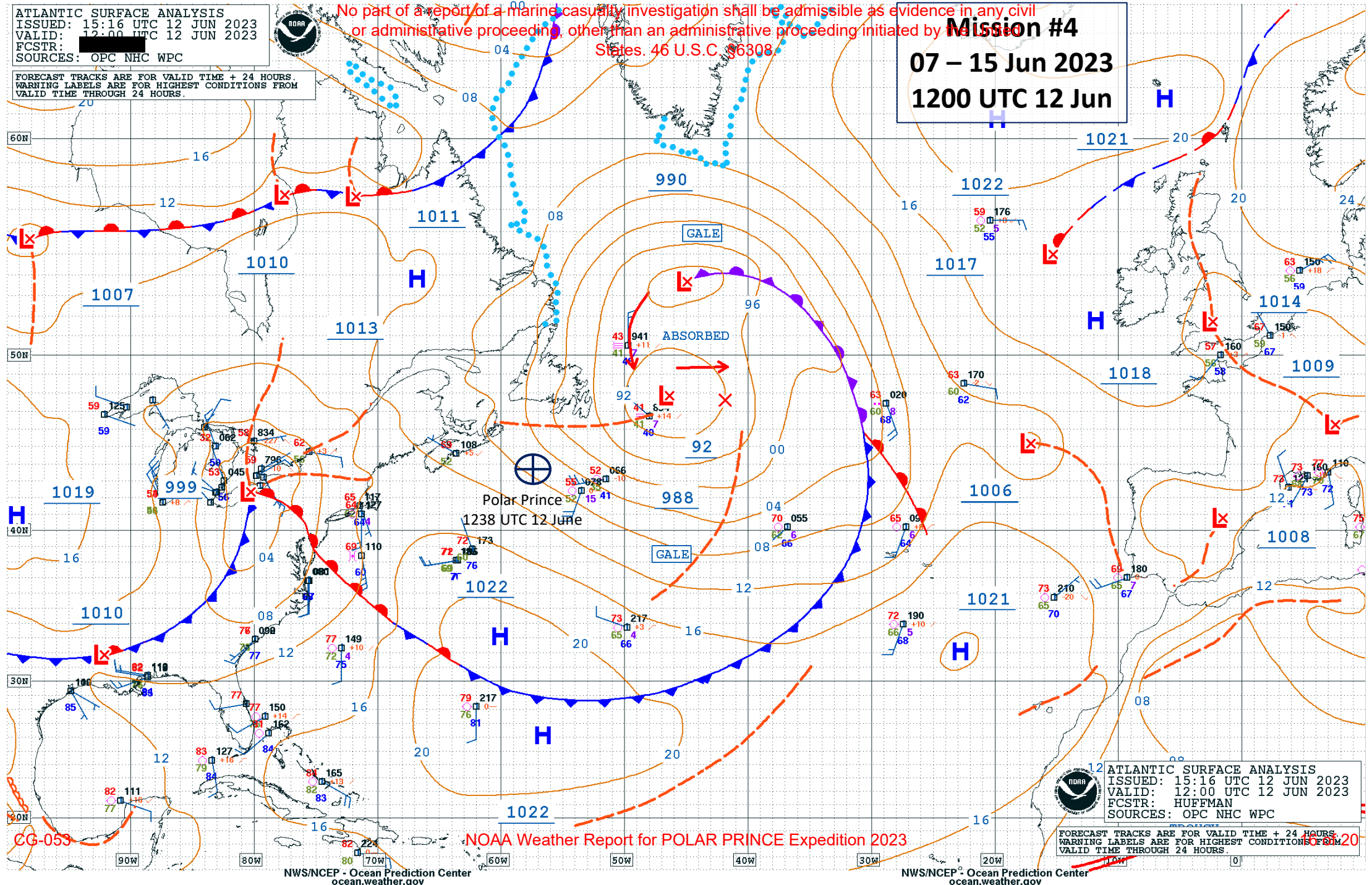
FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #4

07 – 15 Jun 2023
1200 UTC 12 Jun



Polar Prince
1238 UTC 12 June

CG-053

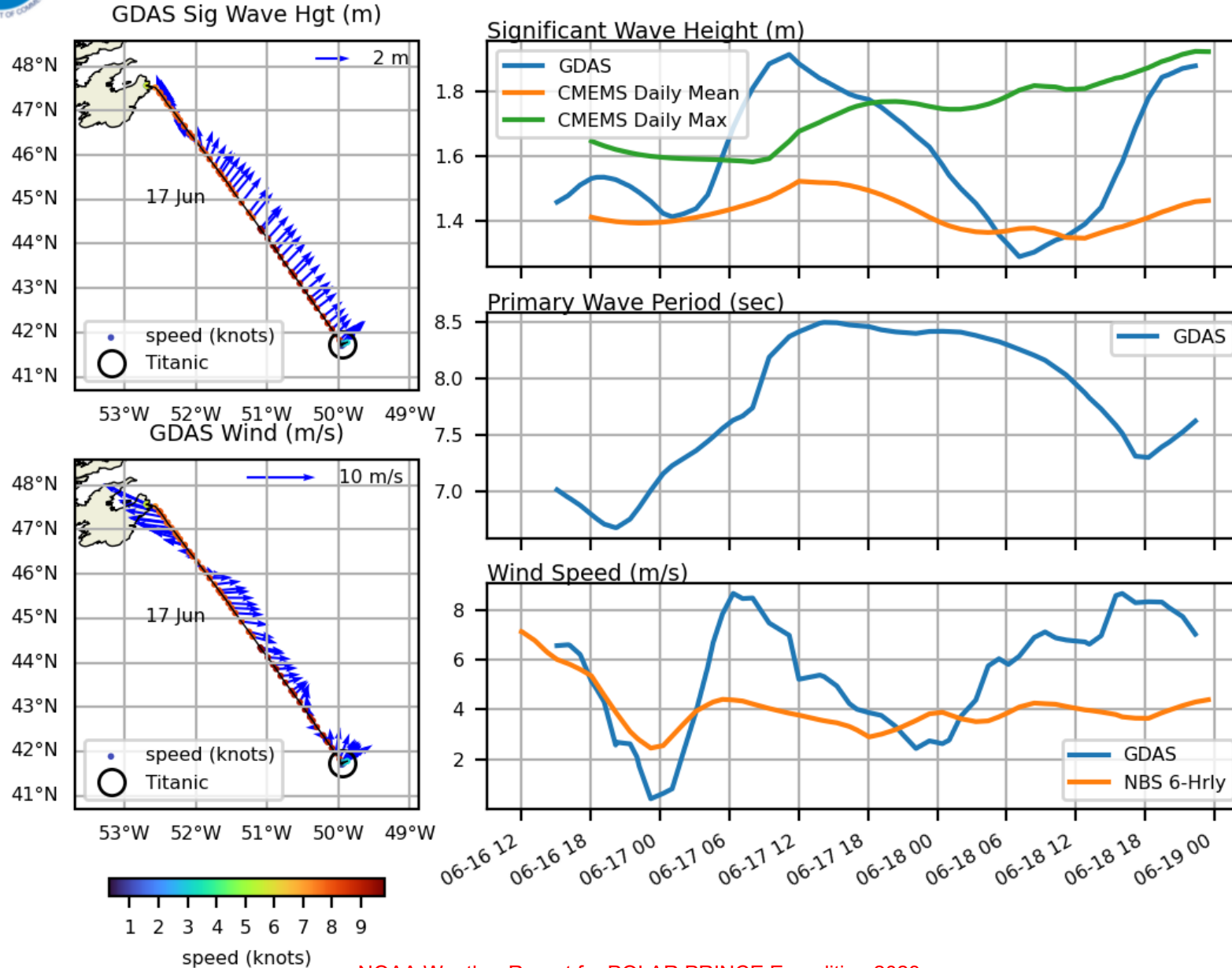
NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 15:16 UTC 12 JUN 2023
VALID: 12:00 UTC 12 JUN 2023
FCSTR: HUFFMAN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

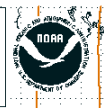


Polar Prince / Titan Mission #5 16 Jun 2023 to 18 Jun 2023



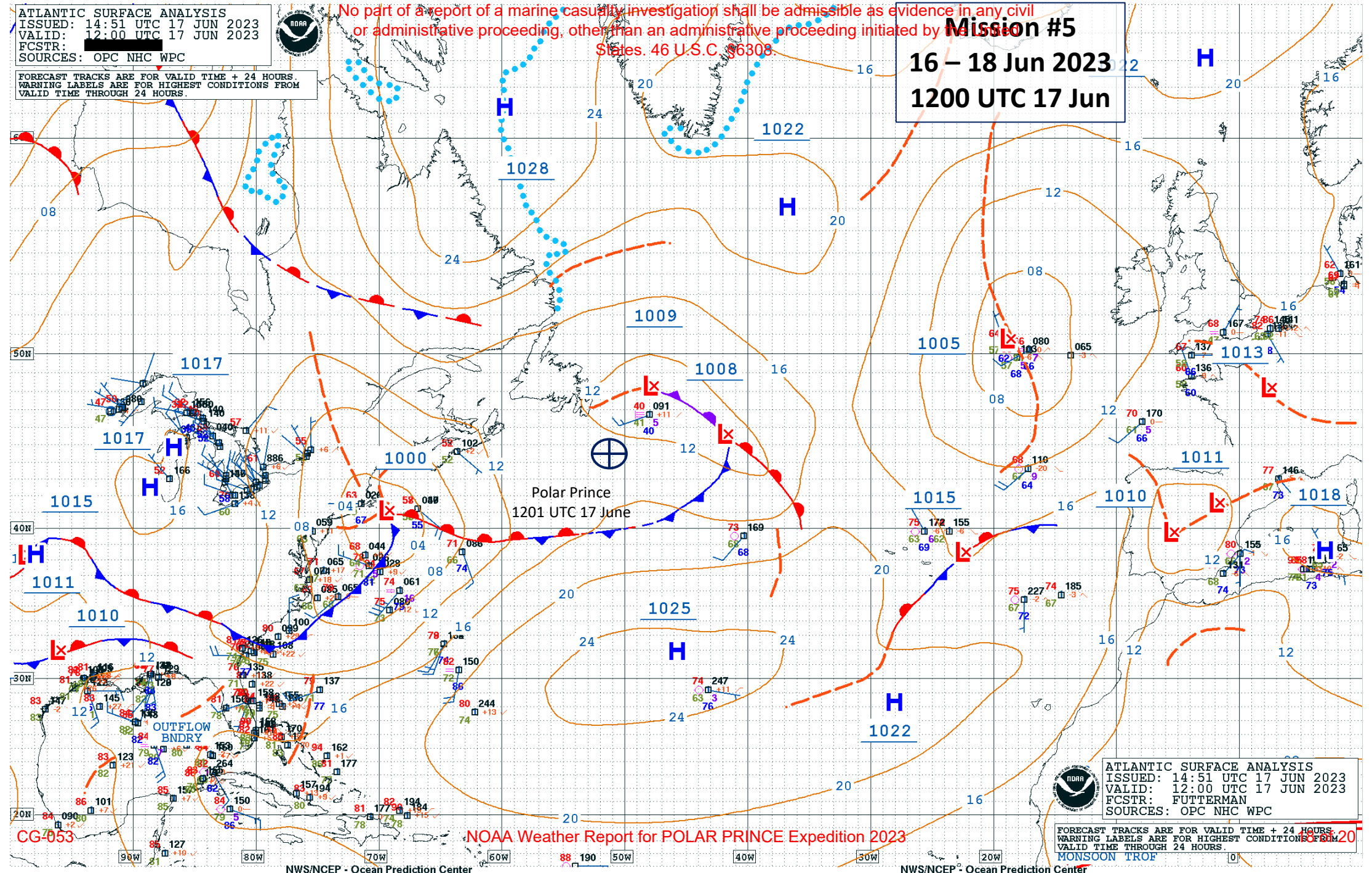
ATLANTIC SURFACE ANALYSIS
ISSUED: 14:51 UTC 17 JUN 2023
VALID: 12:00 UTC 17 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #5
16 – 18 Jun 2023
1200 UTC 17 Jun



CG-053

NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 14:51 UTC 17 JUN 2023
VALID: 12:00 UTC 17 JUN 2023
FCSTR: FUTTERMAN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

ATLANTIC SURFACE ANALYSIS
ISSUED: 16:03 UTC 18 JUN 2023
VALID: 12:00 UTC 18 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

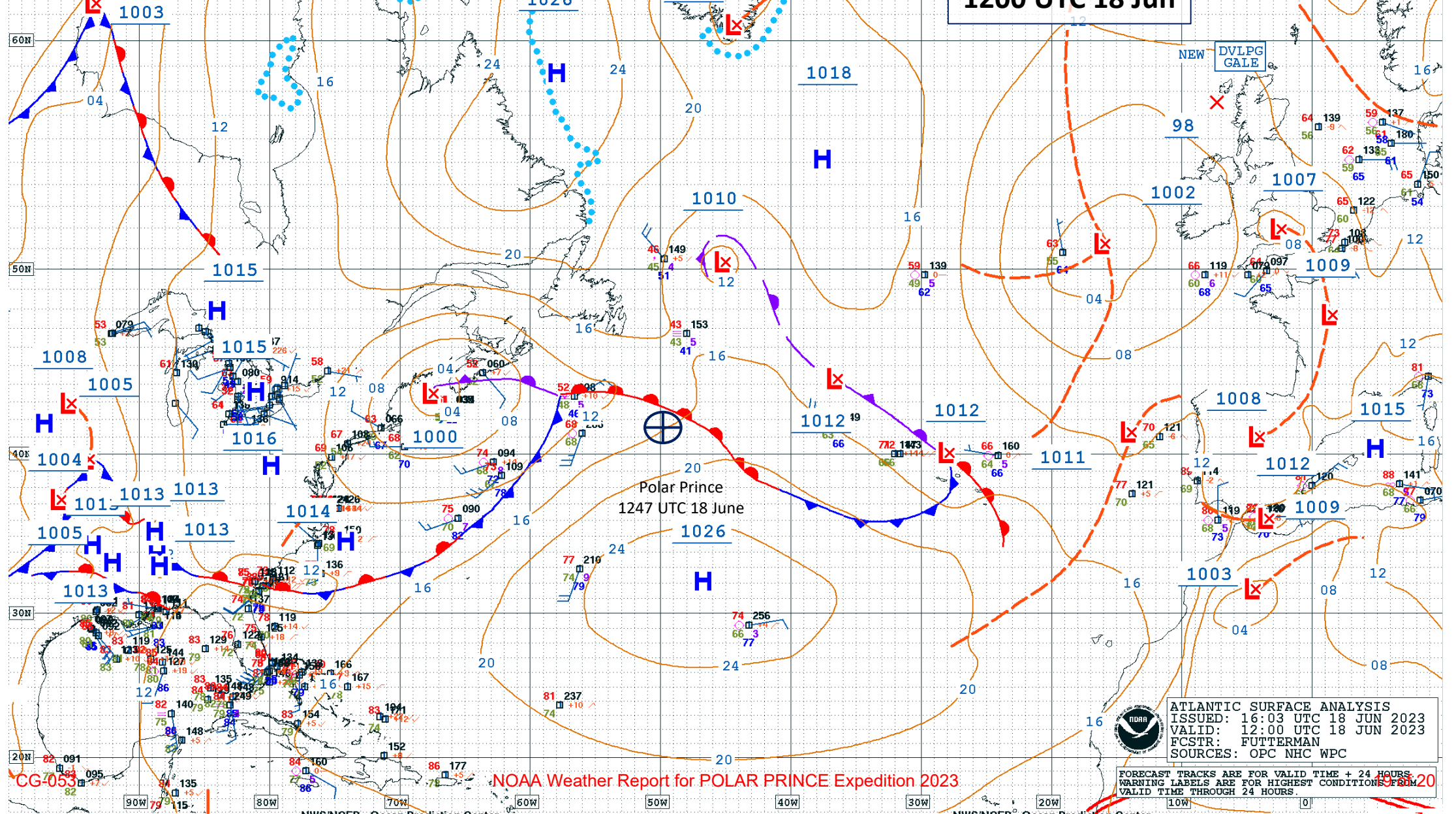
FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States States 46 U.S.C. §6808.

Mission #5

16 – 18 Jun 2023
1200 UTC 18 Jun



ATLANTIC SURFACE ANALYSIS
ISSUED: 16:03 UTC 18 JUN 2023
VALID: 12:00 UTC 18 JUN 2023
FCSTR: FUTTERMAN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

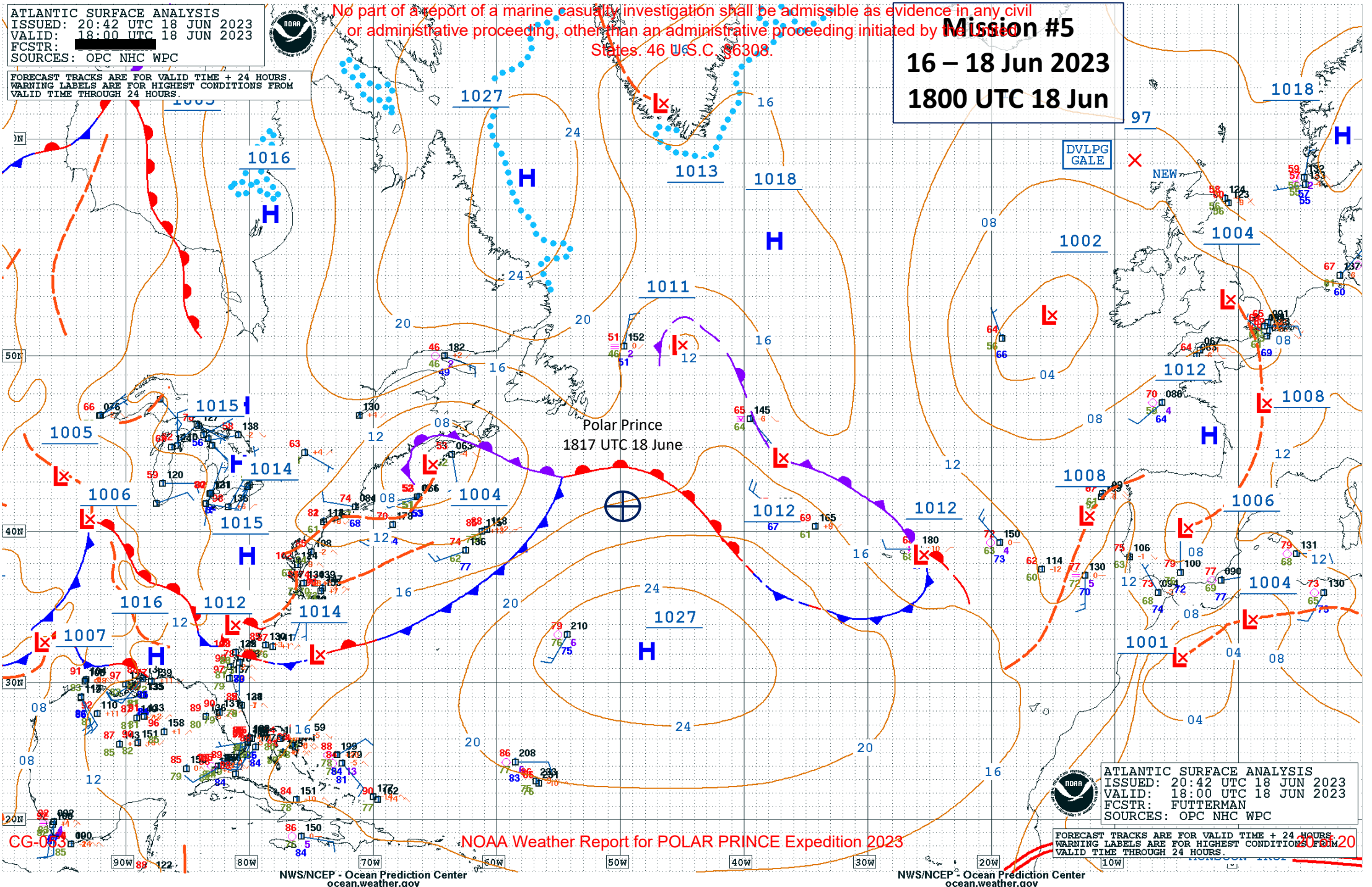
ATLANTIC SURFACE ANALYSIS
ISSUED: 20:42 UTC 18 JUN 2023
VALID: 18:00 UTC 18 JUN 2023
FCSTR: [REDACTED]
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



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Mission #5
16 – 18 Jun 2023
1800 UTC 18 Jun



CG-053

NOAA Weather Report for POLAR PRINCE Expedition 2023

ATLANTIC SURFACE ANALYSIS
ISSUED: 20:42 UTC 18 JUN 2023
VALID: 18:00 UTC 18 JUN 2023
FCSTR: FUTTERMAN
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.

NWS/NCEP - Ocean Prediction Center
ocean.weather.gov

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ocean.weather.gov