



Hurricane Dorian 1130 SLB

PRE-BRIEF CALL IN INSTRUCTIONS

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 - Select to listen/speak through a phone call OR your computer audio NOT BOTH.
 - Mute when joining.
 - You can also dial in using your phone.
 - United States: (b)(6)
 - Access Code: (b)(6)
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 - If on Phone:
 - First unmute your phone then dial *6 to speak into the conference line.
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NOAA Senior Leadership Briefing

Hurricane Dorian

August 30 1130 EDT

CONOPS LEVEL 2

Incident Coordinator (IC) – CAPT Anne Lynch



Situation Update



BLUF

- Details on the current track and intensity will be provided by NWS Ops Center
- There were no impacts to PMI in Puerto Rico/USVI, all personnel are accounted for and no response activities are assigned.
- For Florida and East/Gulf Coasts, no impacts to PMI reported to date. LOs/SOs are making preparations and securing/staging gear and people as needed and closing offices in advance of storm.
- PMEF requirements remain fully operational.

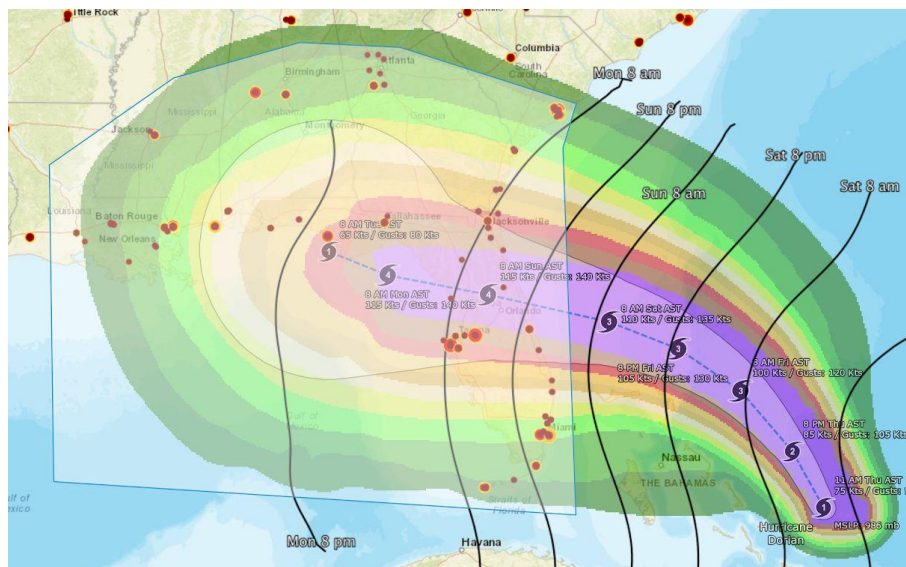


Situation Update PERSONNEL



Initial potential area of impact (AOI) includes 88 NOAA locations; with about 1900 assigned personnel. We will continue to refine this AOI as the storm approaches.

Initial Accountability will begin after storm passes, with local message senders using ENS. If SMT becomes aware of local sender unable to push ENS message, contact HSPO for assistance.





NOAA and Federal OPS Status

National and Regional Operating Levels

NWSOC Operating Level				Critical Weather Day	
Level 2				No	
Pacific	Alaska	Western	Central	Southern	Eastern
Level 4	Level 3	Level 4	Level 4	Level 2	Level 3
Continuity of Govt. Condition		NOAA Operations Center		FEMA Headquarters	
Level 4		Level 2		Level I NRCC Activation	
NWS Liaison to N-IMAT West			NWS Liaison to N-IMAT East		
Not Deployed			Deployed for Disaster Operations		



Weather: Hurricane Dorian



Current Information

- Center located 660 miles E of West Palm Beach, FL.
 - Movement - Northwest at 10 mph.
- Maximum Sustained Winds - 110 mph (Category 2).
 - Hurricane-Force-Winds extend 25 miles from center.
 - Tropical-Storm-Force Winds extend 110 miles from center.

Watches in Effect

- None for U.S. interests at this time.*
- Hurricane Watch for Northwestern Bahamas.





Weather: Key Messages (NHC)

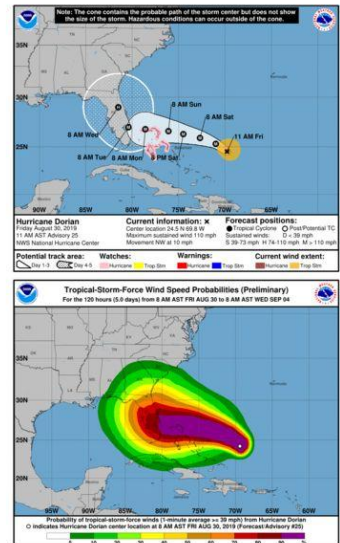
- Life-threatening storm surge and devastating hurricane-force winds likely along FL east coast; too early to determine where maxima will occur.
- Prolonged period of storm surge, high winds, and rainfall are likely.
- Hurricane-force winds may extend over inland portions.
- Heavy rainfall and flooding likely across FL beginning later this weekend, spreading into the southeastern U.S. early-mid (next) week.



Key Messages for Hurricane Dorian Advisory 25: 11:00 AM AST Fri Aug 30, 2019



1. Life-threatening storm surge and devastating hurricane-force winds are likely in portions of the northwestern Bahamas, where a hurricane watch is in effect. Residents should execute their hurricane plan and listen to advice given by local emergency officials.
2. Life-threatening storm surge and devastating hurricane-force winds are likely along portions of the Florida east coast by early next week, but it is too soon to determine where the highest storm surge and winds will occur. Residents should have their hurricane plan in place, know if they are in a hurricane evacuation zone, and listen to advice given by local emergency officials.
3. A prolonged period of storm surge, high winds and rainfall is likely in portions of Florida into next week, including the possibility of hurricane-force winds over inland portions of the Florida peninsula.
4. Heavy rains are expected over portions of the Bahamas, Florida, and elsewhere in the southeastern United States this weekend into the middle of next week.



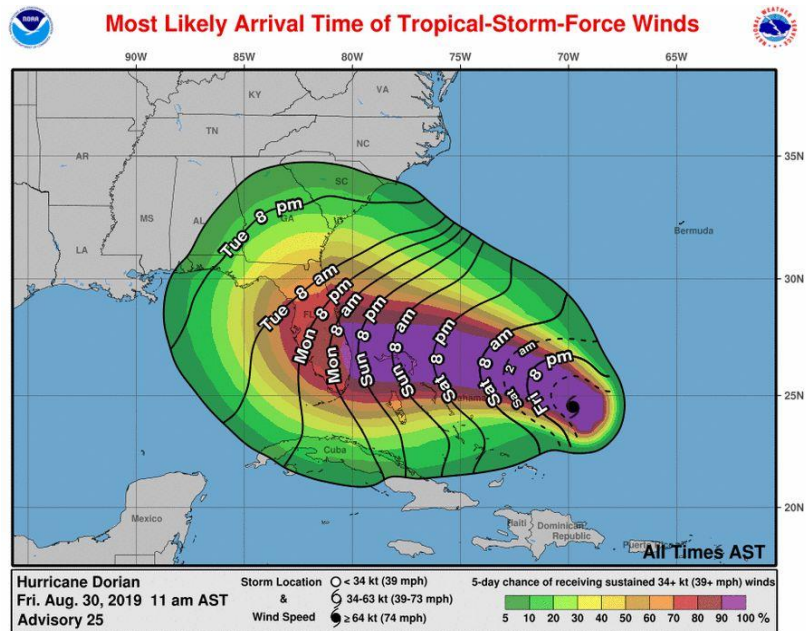
For more information go to hurricanes.gov



Weather: Dorian Wind Forecast



- Most likely arrival time of Tropical-Storm-Force Winds:
 - Southeast FL coast: late Sunday evening-night.
 - Central FL and West FL coast: Monday evening-night.
 - North FL: Tuesday.
- Note - these times are approximate and depend on the exact motion and speed of the storm, which is less certain by early next week.



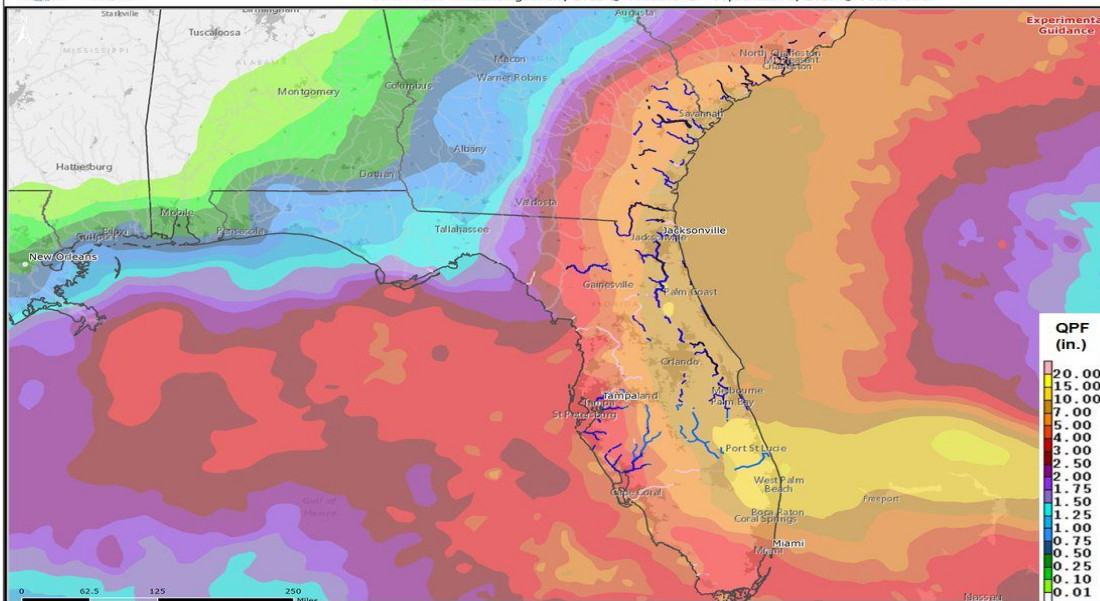


Weather: National Water Center



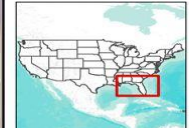
National Water Model (NWM) 10-Day Bankfull Arrival Time Forecast WPC 7-Day Cumulative Precipitation Forecast

NWM Reference Time: August 30, 2019 @ 06:00 UTC
NWM Valid Times: August 30, 2019 @ 09:00 UTC - September 9, 2019 @ 06:00 UTC



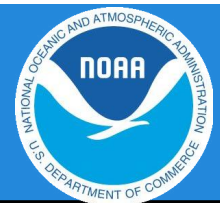
Bankfull Arrival Time	
Lightest Pink	1 - 12 hours or Ongoing Flooding
Light Pink	13 - 24 hours
Medium Pink	25 - 48 hours
Dark Pink	49 - 72 hours
Light Blue	3 - 5 days
Medium Blue	6 - 7 days
Dark Blue	8 - 10 days
Grey	National Water Model Flowlines

Depicts expected bankfull arrival times derived from the latest operational National Water Model (NWM) (v2.0) medium-range forecast. Shown are reaches that are expected to be at or above their 1.5-year recurrence flow within the next 10 days. Reaches are colored by the time at which they are expected to be at bankfull. Recurrence flows were derived from a 25-year retrospective analysis of the NWM (v2.0).



Provisional, for guidance use only. May not reflect the official forecast. For the official forecast visit:

QPF (in.)	
20.00	Lightest Yellow
15.00	Light Yellow
10.00	Yellow
7.00	Light Orange
5.00	Orange
4.00	Dark Orange
3.00	Red-Orange
2.50	Red
2.00	Dark Red
1.75	Light Purple
1.50	Light Blue
1.25	Light Green
1.00	Light Cyan
0.75	Light Blue
0.50	Light Green
0.25	Light Yellow
0.10	Light Green
0.01	Lightest Green



NOAA Line/Staff Activities/Impacts



NOAA Line/Staff Activity

DUS

- Personnel:
 - Will work with Leadership and CFO regarding potential evacuation travel orders
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity

AGO

- Personnel: NSTR - 1 person located at the western edge of potential AOI not affected at this time
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities:
 - NOAA BankCard Center is standing by to expand cardholder authority to purchase lodging, food, and water for the affected region.



NOAA Line/Staff Activity

CAO

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity

CFO

- Personnel:
 - Standing by to issue Travel Advisory for mandatory evacuation if approved.
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity



CIO

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity

CIO Operational Status

SERVICE	STATUS	DETAILS
Unified Messaging Service (G-Mail)		NTR
Voice Services (AT&T VoIP)		NTR
End User Computing (NSDesk /Corpsrv)		NTR
Networks (NWave / Network Operations Center (NOC))		NTR
Hosting & Infrastructure (Web Ops Center and Application Hosting)		NTR
Facilities & Data Centers		NTR
Cyber Operations (Incident Response, Cyber Analytics)		NTR



Status of NOAA Systems

FLORIDA AOI

Source: Reports from ACIOs and designees



- **NMFS -**
 - **NOAA4300** - Southeast Regional Officer (SERO) Network - **Online - NSTR**
 - **NOAA4400** - Southeast Fisheries Science Center (SEFSC) Network - **Online**
 - Miami Application Services would be shutdown in the event of an impact. Non Oracle Critical IT Infrastructure would have low impact if building was shutdown.
- **OAR**
 - **NOAA3030** - Atlantic Oceanographic and Meteorological Laboratory (AOML) - **Online**
 - IT System is not critical infrastructure, staff within the system may be needed for hurricane flights.
- **NWS**
 - **NOAA8860** - WCISS/WCOSS - **Online - NSTR**
 - **NOAA8860** - National Hurricane Center (NHC) - **Online**
 - NHC is part of a larger FISMA ID NOAA8860, and if NHC is impacted it has multiple mission failover options - WPC and OPC in College Park and also the Central Pacific Hurricane Center out in Hawaii.
 - **NOAA8884** - NWS Southern Region HQ and WFOs - **Online**
 - All Weather Forecast Offices in the cone, all have detailed service back up plans in place, that have been tested and confirmed on a routine basis.
- **OMAO**
 - **NOAA2220** - Fleet Support System (FSS) - **Online**
 - System Resides in Cloud



NOAA Line/Staff Activity

COMMS

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity



OGC

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity



OHCS

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: OHCS is prepared to assist with HR services as required.
- Response Activities: NSTR



NOAA Line/Staff Activity



OLIA

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity



NESDIS

- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities: NSTR
- Response Activities: NSTR



NOAA Line/Staff Activity

NMFS

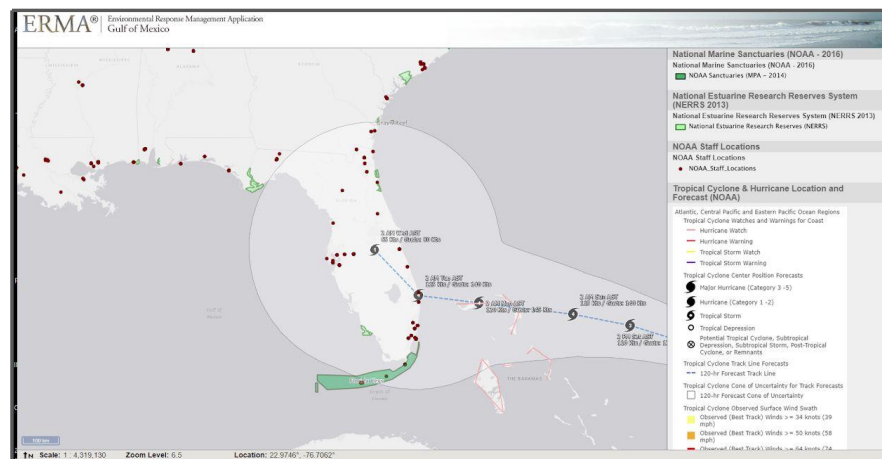
- Personnel: NSTR
- Mission: NSTR
- Infrastructure: NSTR
- Preparation Activities:
 - Preps continue for SERO offices in West Palm Beach, Fernandina Beach, and St. Pete.
- Response Activities:
 - ESF-13 reporting that the QRT's deployed to PR will be redeployed to Florida pre-landfall of Dorian. As such, no NMFS OLE response necessary at this time.



NOAA Line/Staff Activity

NOS

- **Personnel:** All PR staff (2) accounted for. Florida staff preparing.
- **Infrastructure:** No PR impacts reported, including Jobs Bay NERR
 - Several NERRs threatened by Dorian path - FL: Rookery Bay, Guana Tolomato Matanzas, Apalachicola, GA: Sapelo Island. GTM is closed and implementing Hx plan.
 - Sanctuaries: Florida Key NMS and Gray's Reef (Savannah) are implementing Hx plans and securing vessels. Prepared to evacuate.





NOAA Line/Staff Activity

NOS

- **Mission:**
 - NOS Liaison deployed to FEMA National Response Coordination Center (as of 8/29)
 - CO-OPS is providing Storm QuickLooks for [Hurricane Dorian](#).
 - Of note: As the forecast track for Dorian takes it near Florida this weekend, this will coincide with a perigean spring tide. Higher than normal high tides will be observed across the southeastern U.S. from August 28th through September 2nd.
 - National Geodetic Survey -
 - Standing by for collection of aerial imagery. Will fly Fl coast regardless of Mission Assignment.



NOAA Line/Staff Activity

NOS

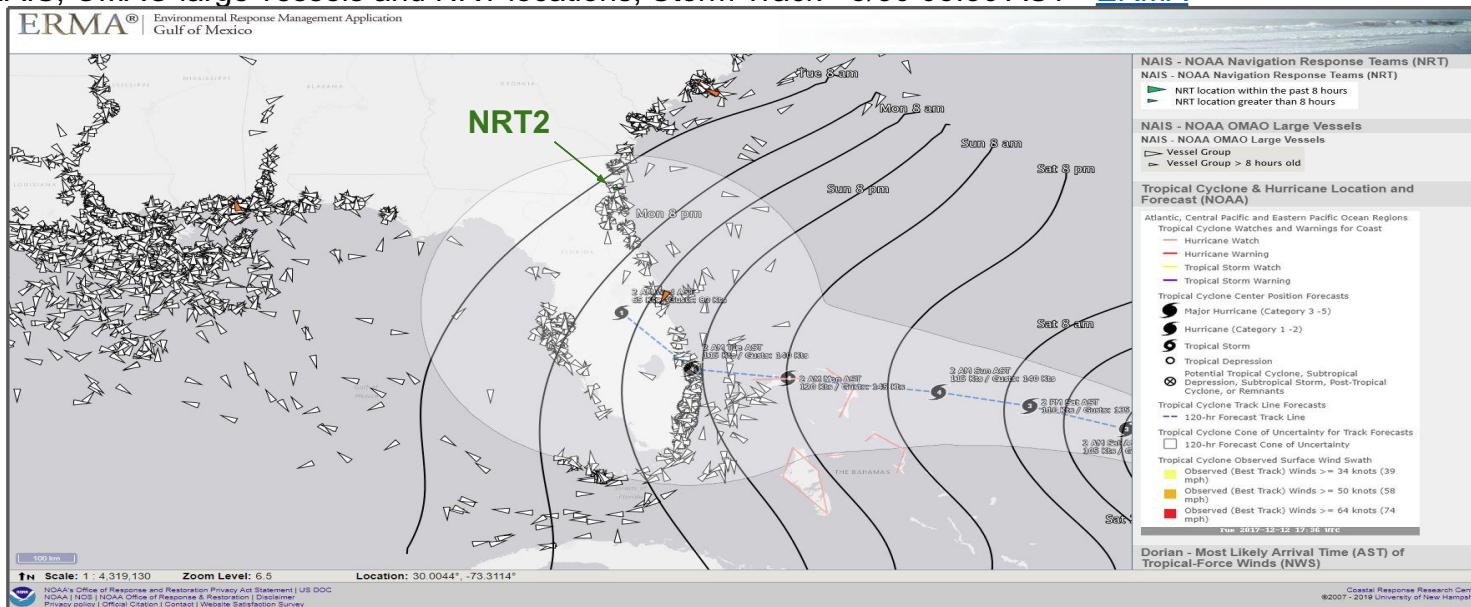
- **Mission (cont'd):**
 - Coast Survey -
 - FI Navigation Manager will stay with USCG D7 at Opa Locka air station (COOP location).
 - Navigation Response Teams on stand by for survey of ports and channels as directed:
 - NRT-2 is primary in-house response asset (Fernandina Beach, FL)
 - May need to evacuate
 - NRT-1 is secondary (Stennis Space Center, MS)
 - Mobile Integrated Survey Team (MIST) is available and standing by (Stennis Space Center & DC)
 - Office of Response and Restoration -
 - Standing by for pollution and debris response as needed. Miami SSC is coordinating with USCG D7 and the Hurricane Research Center.
 - [ERMA](#) is providing NOAA staff/facility/asset information.
 - Disaster Preparedness Program (DPP) is activated for NOS Incident Coordination
 - IOOS - 6 gliders deployed in Caribbean. Good interaction with Dorian around PR.



NOAA Line/Staff Activity

NOS

NAIS, OMAO large vessels and NRT locations, Storm Track - 8/30 08:30 AST - [ERMA](#)





NOAA Line/Staff Activity

NWS

- **Personnel:**
 - All accounted For
- **Mission:** No impacts
- **Infrastructure:** No impacts
- **Preparation Activities:**
 - National Hurricane Center
 - NHC media pool will open full time today and Saturday; NWS Public Affairs is sending two employees to Miami to assist NHC with media operations.
 - NWSHQ AFS Tropical Coordinator has been deployed to NHC to assist with Operations today.



NOAA Line/Staff Activity

NWS

- **Preparation Activities: (Cont'd)**
 - Southern Region
 - SR-ROC has developed a service backup plan for the Florida WFOs.
 - NWS WFOs across Florida, Georgia, South Carolina, Alabama and Louisiana continue to send email briefings and conduct routine webinars for partners.
 - WFO Tallahassee (TAE) is participating in a press event with the Governor of Florida today.
 - WFO Peachtree City (FFC) briefed the Governor of Georgia on Thursday on the latest forecast and uncertainties with Dorian; also briefed the GA SOC
 - CWSU Miami is providing additional weather telecoms with Miami area FAA personnel, regarding the latest timing with Dorian.
 - Weather Prediction Center
 - Will begin providing briefings on rainfall at the FEMA Ops VTC today.



NOAA Line/Staff Activity

NWS

- **Preparation Activities: (Cont'd)**
 - NWS Operations Center
 - NWS LNO to N-IMAT East has been re-deployed (from San Juan, Puerto Rico to Tallahassee, Florida) in support of the federal response to Dorian.
 - Special Upper Air Soundings began yesterday from numerous offices across Southern and Eastern Regions.
- Response Activities: NSTR



NOAA Line/Staff Activity

OAR

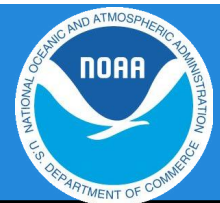
- Personnel:
 - Staff have been briefed.
- Mission:
 - HRD completing flights requested by EMC and HRC. NSSL is sending the mesonet truck and crew to deploy balloons to capture data of Hurricane Dorian
- Infrastructure: NSTR
- Preparation Activities:
 - AOML Miami facility will close today at 1300.
- Response Activities: NSTR



NOAA Line/Staff Activity

OMAO

- Personnel: NSTR
- Mission:
 - Marine - NSTR
 - Aviation - P3 and G-IV tasked to fly 24 hr Dorian operations.
- Infrastructure: Aircraft Operation Center (AOC) making preparations in Lakeland, FL.
- Preparation Activities:
 - Marine: NOAA Ship *Ferdinand Hassler* (FH) alongside Port Canaveral, FL for unscheduled maintenance. Ship being secured for weather and planning evacuation of personnel.
- Response Activities: NSTR



Next Steps



Next Steps



- Accounting of personnel in the next AOI will commence once the storm has passed
- SLBs at 1130 daily will continue
- SITREPs at 1800 daily will continue
- NOAA OPS Center will remain at a Level 2 through the weekend and into next week