



NOAA

UAS Program Briefing to Scientific Committee for Oceanographic Aircraft Research (SCOAR)

NOAA Office of Oceanic and Atmospheric
Research (OAR)

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NOAA UAS Program





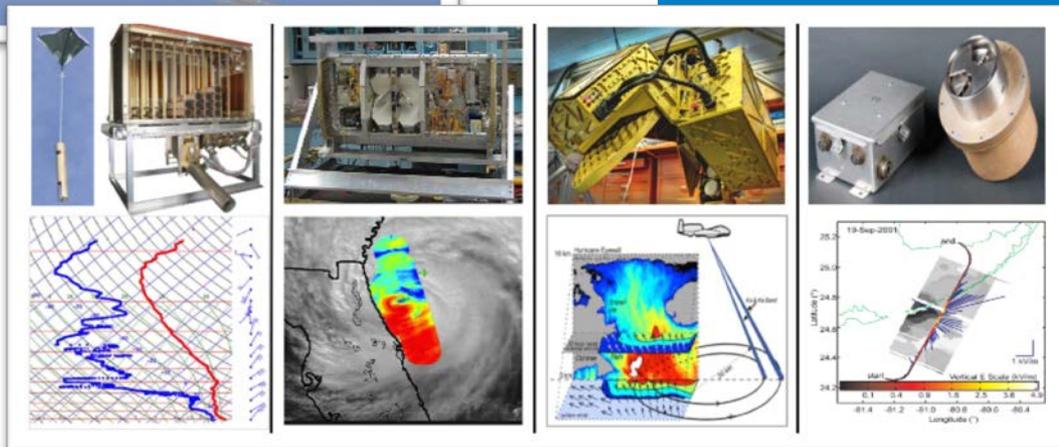
High Impact Weather Monitoring

Sensing Hazards with Operational Unmanned Systems Technology (SHOUT)

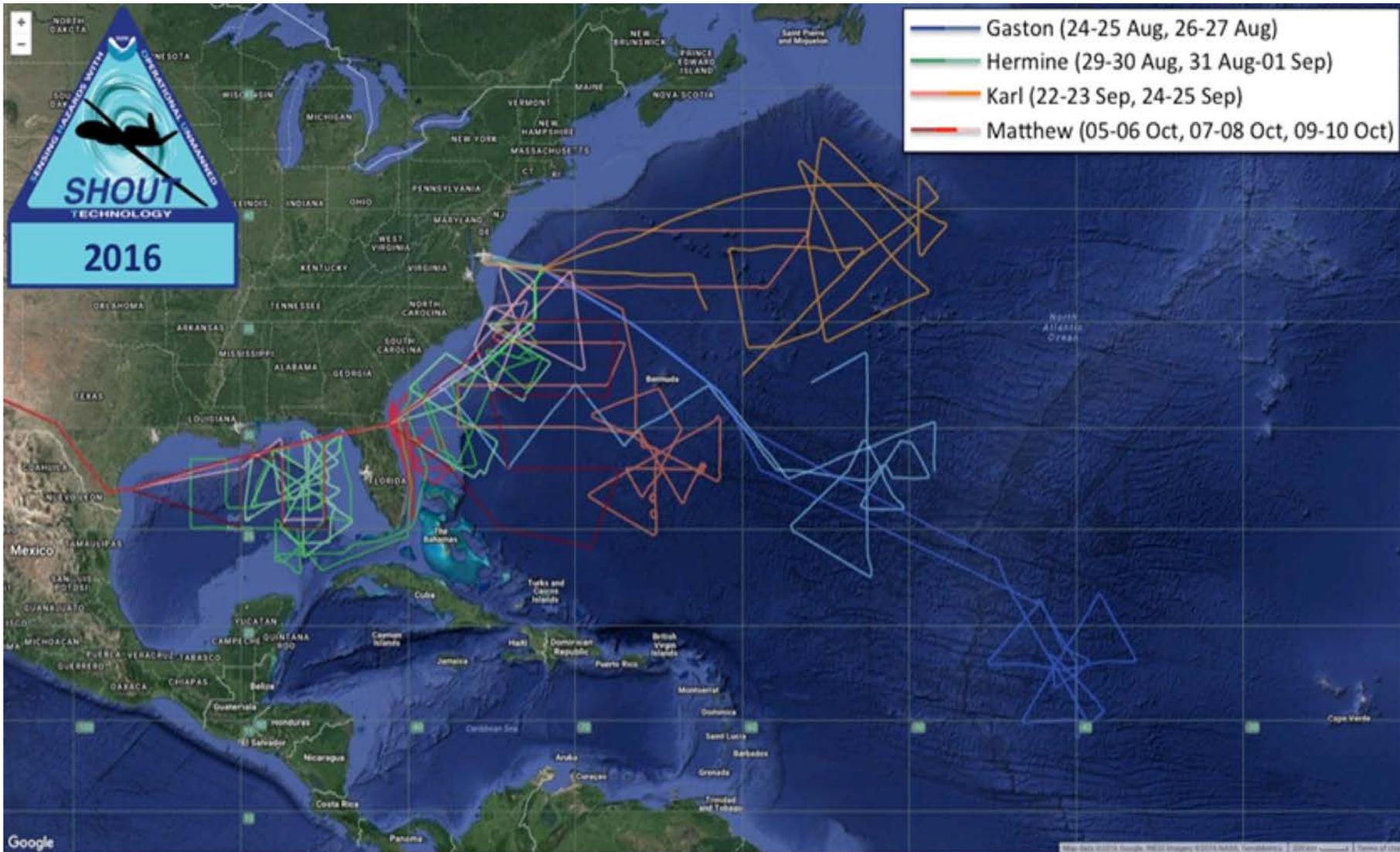


Sensor Payloads

NASA Global Hawk



2016 Global Hawk Flight Tracks



Coyote UAS Observations in Hurricanes

- Measure dangerous areas of the storm
- Measures multiple data points within a quadrant over
- Low altitude data with higher crew safety
- Potential to improve forecasts

sUAS Flux Sensor Development

OAR ESRL Physical Science Division and the Cooperative Institute for Arctic Research (CIFAR) are developing UAS instrumentation for the measurement of energy and momentum fluxes and planning UAS operations to collaborate with the upcoming Stratified Ocean Dynamics in the Arctic (SODA) campaign -- an Office of Naval Research (ONR) supported Departmental Research Initiative (DRI).

- NOAA ESRL/PSD
- CIFAR - Sea Hunter Arctic Flights in Sept 2018 from Kuparuk, AK
- Coordination with ONR SODA through OSTP

Alaska Arctic Stations and Oliktok Point Controlled Airspaces





NOAA

SCIENCE. SERVICE. STEWARDSHIP.



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