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0630 Health and safety meeting held by E. Welsh, scientific meeting held by Y. Kim.

0640 Y. Kim and crew will attach the new Fluorometer to CTD, the UV Aquatracka Hydrocarbon, by Chelsea Instr.

0700 Weather, rain, breezy, whitecaps, 2-3 ft waves. Low 80's.

0850 The TMS/ROV is ready for launch and the ship is on station at HD-006. We are currently standing down for the weather to pass. Heavy rain and lightning.

0954 ROV/TMS in water at HD-006
Coordinates: 27° 58.7751' N
88° 53.0924' W

0959 Began descent

1000 The UV Aquatracka measures in ug/L
The scale on the display is 0-1.0 ug/L

1057 (514m) At bottom. ABS collection (Acoustic Backscatter Sensor)

1108 ROV/TMS starts ascent

1113 At 1450m, there is a distinct fluorescence peak on the Aquatracka

1122 One bottle #1 fired here, we will collect a split whole water sample here. 1450m

1125 Resume ascent

1143 ROV/TMS stopped at 1267m

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1143 Three bottles fired at 1267m. We will collect a high volume filtration sample here and a split whole water sample. NOAA will collect their whole water and a low volume filtration sample. High volume will be collected ~~at~~ sw sample from bottles 4 & 5. Whole water and whole water split from bottle 2. Low volume filtration Payne will also be collected from bottle 2. There is a distinct Aquatracka ~~Bott~~ sw sample Fluorescence peak, with a corresponding DO minima feature.

1211 Bottles 6 and 7 collected at 1080m at a Aquatracka peak and corresponding DO minima.

1258 ROV/TMS on deck.
No sheen in any Niskins or odor.

1308 Bottles number six and three did not fire.

1315 Summary of where we collected sample
NOAA Collected:
1450m (Bottle #1) Collected Whole Water
1267m (Bottle #2) Collected whole water and low volume ~~split~~ sw sample Payne sample