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1109 Display 1 has: DO, Fluorescence/CDOM (Wetlab), depth Temp and salinity, conductivity

Display 2 has: DO, Fluorescence/CDOM (Wetlab) depth Temp, Fluorescence SCUFA

1143 ROV/TMS in water at HD_002: 225_090

1148 ROV/TMS began descent

1220 At 900m, the CDOM, SCUFA Fluorescence started to read negative values. They checked the voltage and it is not working. Both the CDOM and SCUFA are not reading anything. Y. Kim decided to continue descent and monitor the DO readings.

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~~1240 1214m, TMS has~~ SW 8/14/10

1240 TMS/ROV has reached near bottom, depth is 1214m. ROV has left TMS to inspect CTD and bottles. ROV took a look at the sea floor, and we saw one conger eel.

Bottom depth is 1217m

1253 I see a slight DO minima, 0.1 mg/mL from the slope. This area will not be sampled.

1254 It has been determined by Y. Kim that

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1254 this cast will be considered a practice cast. They are tripping all bottles at 1210m. The plan is for them to practice using Payne's low volume filtration sampler, but this will not be considered a sample, strictly practice. I will not be collecting a high volume filtration sample. In addition no whole water samples will be collected.

1258 28° 12.26' N
89° 3.22' W

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These are coordinates for HD_002; ~~225_090~~.

1320 ROV/TMS began ascent.

1330 Y. Kim said that they plan on taking a whole water sample. We will collect a split here, 1L Amber for HC, 1L Amber for TSS and 4 15mL vials for dispersant.

GU2889-A0814-WF802-TSS/CHN
" " " -HC
" " " -DISP

GU = Gulf of Mexico

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28 = Latitude, 89 = ~~Longitude~~ Longitude, A = 2010

08 = Month, 14 = day, W = Sample Matrix, F8 = Team ID

02 = sequential bottle number.

1355 ROV at surface.