# RL2101 Winter CalCOFI Metanotes

January 15, 2021-Feb 5 2021

(SST Mazzella 1130-2330, ST Barbee 2330-1130)

1/15/2021- 0600 PST inbound to San Diego to pick up scientists

1200PST- set sea and anchor detail

PST – Pump1 SSW turned on

~1900-2000PST- CUFES send message Lat & Lon wasn’t being sent to their program. Format needed to be in Decimal Degrees in order for their program to read it. Updated the Send Message in SCS. CUFES GPM/LPM values not going into SCS. Connected laptop to back of patch panel not getting any data. Next connection is next to CUFES display box in wet lab (RS-232). There’s 2 connected that was covered with black tape, both were severely corroded when I took off the tape and I couldn’t disconnect them. ET Kim Belveal is going to probably cut them off and make new connections. I wanted to connect laptop at that point.

2100PST- First station Order Occ 1 93.3 26.7 60m. Successful CTD but Ctrl Alt B (their back up) didn’t work. Their computer wasn’t connected to their server. Tried different username and password ended up working.

Week of 1/18 – ST Barbee troubleshooting SBE 14 remote display, changed the wiring from RS232 to I/O cable behind deck unit

1/25 – SBE 45 doesn’t have NMEA, spits it out intermittently. Troubleshooting with Barbee.

ST Barbee replaced GP170 GPS feed into SBE 45 NMEA with POSMV GPS and NMEA is currently going through.

1/30 ~1000 Hydraulics stopped working E-stop/fault somewhere on one or more of the stations. Engineering and deck troubleshooting most of the day. Resumed ops around 1800. Were able to bypass to use side station winches.

Bottle #10 niskin started leaking. Oring popped out. ACB Bret Miller helped SST Mazzella put Oring back in. Last cast of survey the Oring popped out again.

Bottle #18 decided to jump ship and jumped off during a CTD cast. Bret and Russell Combs ran a line through the inner perimeter of the niskins.

Barbee adjusted carousel frame.

SBE 45 Temp was reading much higher than SBE 21. SBE 45 was clogged and cleaned. Numbered returned to normal.

2/5 – Sea and anchor detail 0730

ST Barbee shut down TSG system and realized that on Jan 23 when he was troubleshooting 21 and restarted seasave he was not archiving. TSG data may only be from Jan 15 when we departed to Jan 23 when he was troubleshooting and never started archiving it from Jan 23- Feb 5. Data still was streaming to SCS but not in HEX format.