

Zimbra

yzhang@mbari.org

Re: tethys 106 init ctd tank readings**From :** Brian Kieft <bkieft@mbari.org>

Thu, Nov 19, 2015 04:13 PM

Subject : Re: tethys 106 init ctd tank readings**To :** Brett Hobson <hobson@mbari.org>**Cc :** Brent Jones <bjones@mbari.org>, Francisco Chavez <chfr@mbari.org>, Yanwu Zhang <yzhang@mbari.org>**Reply To :** Brian Kieft <bkieft@mbari.org>

Tethys 106 MBTS post deployment CTD values below. Also happy to report 9 full samples were taken.

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Thu 19 Nov 2015 15:30:09	34.7386	19.0865	0.761	24.8005

Tethys:

0.11,19.06076,46.25543,34.4102*14
0.11,19.06116,46.25517,34.4097*1F
0.12,19.06143,46.25625,34.4103*12
0.11,19.05963,46.25580,34.4115*13
0.12,19.05810,46.25446,34.4116*1D
0.11,19.05789,46.25476,34.4120*17
0.11,19.05737,46.25587,34.4134*18
0.12,19.05636,46.25600,34.4143*17
0.11,19.05621,46.25578,34.4143*1E
0.11,19.05609,46.25600,34.4146*1D
0.12,19.05380,46.25450,34.4152*18
0.12,19.05151,46.25471,34.4173*16
0.11,19.04928,46.25341,34.4181*1B
0.12,19.04797,46.25233,34.4182*15
0.12,19.04690,46.25122,34.4182*10
0.11,19.04587,46.25113,34.4190*17
0.11,19.04611,46.25021,34.4180*1A
0.12,19.04565,46.24922,34.4176*1B
0.12,19.04556,46.24821,34.4168*16
0.11,19.04526,46.24689,34.4160*16
0.12,19.04346,46.24538,34.4162*1E
0.12,19.04254,46.24426,34.4160*10
0.12,19.04361,46.24501,34.4158*18
0.12,19.04614,46.24320,34.4121*14
0.11,19.04828,46.24400,34.4110*11
0.12,19.04919,46.24489,34.4110*10
0.12,19.05109,46.24717,34.4114*18
0.12,19.05362,46.24979,34.4114*11
0.12,19.05484,46.25495,34.4147*16
0.12,19.05636,46.25693,34.4151*1E
0.12,19.05524,46.25863,34.4175*19
0.11,19.04730,46.25283,34.4192*11
0.12,19.04300,46.25437,34.4241*11

0.12,19.03934,46.25931,34.4312*17

From: "Brett Hobson" <hobson@mbari.org>
To: "Brent Jones" <bjones@mbari.org>
Cc: "Francisco Chavez" <chfr@mbari.org>, "Brian Kieft" <bkieft@mbari.org>, "Yanwu Zhang" <yzhang@mbari.org>
Sent: Tuesday, November 17, 2015 9:31:37 AM
Subject: Re: tethys 106 init ctd tank readings

Tethys salinity definitely has a problem, though temp looks fine. The fix at this point is to install the spare, which require opening the vehicle. Let's deploy as planned and focus on the sampler.

Brett Hobson

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<https://scholar.google.com/citations?user=S33lvhAAAAAJ&hl=en>

From: "Brent Jones" <bjones@mbari.org>
To: "Francisco Chavez" <chfr@mbari.org>, "Brian Kieft" <bkieft@mbari.org>, "Brett Hobson" <hobson@mbari.org>, "Yanwu Zhang" <yzhang@mbari.org>
Sent: Tuesday, November 17, 2015 8:53:08 AM
Subject: tethys 106 init ctd tank readings

Something wrong with Tethys salinity? Im thinking we will still deploy because sampler is priority.

Tue 17 Nov 2015 08:30:10	34.7388	19.0985	0.842	24.7976
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0.72,19.15304,62.33572,48.1126*1E
0.73,19.15130,62.27689,48.0627*1F
0.73,19.15399,62.29240,48.0732*14
0.72,19.15335,62.37388,48.1459*16
0.72,19.15408,62.36909,48.1408*19
0.73,19.15372,62.37522,48.1466*1E
0.73,19.15417,62.43494,48.1988*18
0.73,19.15372,62.38887,48.1587*1D
0.72,19.15408,62.40647,48.1738*1D
0.73,19.15668,62.43522,48.1961*19
0.73,19.15481,62.54034,48.2910*1D
0.73,19.15463,62.51988,48.2732*14
0.72,19.15326,62.48815,48.2468*12
0.72,19.15494,62.48824,48.2449*1D
0.72,19.15509,62.53913,48.2896*19

0.73,19.15646,62.52221,48.2731*19
0.72,19.15558,62.55656,48.3045*12
0.72,19.15524,62.54708,48.2965*18
0.72,19.15726,62.56635,48.3111*1F
0.72,19.15478,62.54019,48.2909*1D
0.73,19.15668,62.55237,48.2995*15
0.73,19.15588,62.58500,48.3292*1B
0.73,19.15503,62.64631,48.3843*10
0.72,19.15588,62.64546,48.3826*12
0.72,19.15558,62.58300,48.3278*15
0.73,19.15381,62.61310,48.3564*17
0.73,19.15646,62.61278,48.3530*17
0.72,19.15591,62.64608,48.3831*15
0.72,19.15604,62.66133,48.3964*16
0.73,19.15668,62.68214,48.4140*1C

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