

Zimbra

yzhang@mbari.org

Makai CTD values - 07/21/2015**From :** Brian Kieft <bkieft@mbari.org>

Tue, Jul 21, 2015 04:04 PM

Subject : Makai CTD values - 07/21/2015**To :** Brent Jones <bjones@mbari.org>, Christopher Wahl <cwahl@mbari.org>, Yanwu Zhang <yzhang@mbari.org>, Brett Hobson <hobson@mbari.org>, James Birch <jbirch@mbari.org>**Reply To :** Brian Kieft <bkieft@mbari.org>

Yanwu, let me know if I should begin populating the spreadsheet directly at this point. In the meantime, here are the values so they don't get misplaced.

ESP Multi cartridge - 11
Pre-deployment

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Tue 21 Jul 2015 15:30:09	34.6669	19.9255	0.654	24.5285

Makai:

-0.23,19.97922,46.70544,34.0290*13
-0.22,19.97647,46.70365,34.0298*13
-0.22,19.97241,46.70444,34.0337*11
-0.23,19.97046,46.70448,34.0353*1B
-0.22,19.97018,46.68978,34.0236*14
-0.22,19.97250,46.70429,34.0335*18
-0.23,19.96768,46.70512,34.0381*10
-0.22,19.96954,46.70406,34.0357*1F
-0.23,19.96466,46.70704,34.0421*15
-0.22,19.96863,46.64748,33.9903*13
-0.22,19.97134,46.72810,34.0539*17
-0.22,19.97089,46.70299,34.0338*1E
-0.22,19.96329,46.70386,34.0406*13
-0.22,19.96872,46.70548,34.0376*12
-0.22,19.96600,46.70375,34.0384*1C
-0.22,19.96774,46.70396,34.0371*19
-0.22,19.96799,46.70405,34.0370*16
-0.22,19.96896,46.70655,34.0382*1C
-0.22,19.96365,46.70663,34.0426*17
-0.22,19.96377,46.70484,34.0410*1A
-0.22,19.96390,46.70557,34.0415*19
-0.22,19.97098,46.70468,34.0351*19
-0.22,19.96710,46.70334,34.0371*13
-0.22,19.96185,46.70313,34.0412*1E
-0.23,19.96789,46.70229,34.0356*1A
-0.22,19.96466,46.70443,34.0400*17

-0.22,19.96774,46.70283,34.0362*1E
-0.22,19.97186,46.69832,34.0292*12
-0.22,19.97275,46.69791,34.0281*19
-0.22,19.96896,46.69747,34.0308*14
-0.21,19.97418,46.69810,34.0271*1E
-0.21,19.97571,46.69932,34.0269*18
-0.21,19.96915,46.69667,34.0300*16
-0.20,19.96969,46.69613,34.0291*16

From: "Brian Kieft" <bkieft@mbari.org>

To: "Brent Jones" <bjones@mbari.org>, "Christopher Wahl" <cwahl@mbari.org>, "Monique Messié" <monique@mbari.org>, "Francisco Chavez" <chfr@mbari.org>, "Yanwu Zhang" <yzzhang@mbari.org>, "Brett Hobson" <hobson@mbari.org>, "James Birch" <jbirch@mbari.org>

Sent: Wednesday, July 15, 2015 11:19:53 AM

Subject: Re: Makai CTD values - 07/15/2015

ESP Mission Trials - Deployment 10.

Post Deployment

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Wed 15 Jul 2015 10:30:09	34.6609	19.8379	0.654	24.5469

Makai:

-0.49,19.83078,46.83017,34.2518*16
-0.48,19.80087,46.83122,34.2771*1E
-0.48,19.83188,46.83359,34.2537*1D
-0.48,19.85226,46.83309,34.2367*1A
-0.48,19.83078,46.83131,34.2528*11
-0.48,19.79455,46.83234,34.2832*1F
-0.49,19.83124,46.83300,34.2538*19
-0.48,19.83737,46.83282,34.2486*13
-0.48,19.82214,46.83316,34.2614*13
-0.48,19.84024,46.83659,34.2494*10
-0.48,19.85486,46.83757,34.2383*13
-0.49,19.82562,46.83536,34.2603*16
-0.48,19.84500,46.83807,34.2467*1A
-0.49,19.83313,46.83565,34.2544*11
-0.48,19.84088,46.83695,34.2492*10
-0.48,19.82101,46.83716,34.2656*16
-0.49,19.81586,46.83890,34.2712*1F
-0.49,19.83313,46.83868,34.2569*1E
-0.49,19.82696,46.83805,34.2614*15
-0.50,19.83331,46.83909,34.2571*19
-0.48,19.83157,46.84084,34.2599*1F
-0.48,19.82376,46.84943,34.2734*18
-0.49,19.82873,46.84118,34.2625*10

-0.48,19.83496,46.83913,34.2558*1A
-0.48,19.83472,46.83961,34.2564*1A
-0.49,19.81290,46.84137,34.2756*1C
-0.50,19.82333,46.84107,34.2669*11
-0.49,19.82086,46.84140,34.2692*13
-0.48,19.81976,46.84181,34.2704*14
-0.48,19.84851,46.84297,34.2479*18
-0.49,19.83258,46.84031,34.2587*13
-0.49,19.85171,46.84252,34.2449*19
-0.48,19.83542,46.84293,34.2585*16
-0.49,19.85098,46.84112,34.2443*12
-0.49,19.84088,46.84291,34.2540*18
-0.49,19.82867,46.84419,34.2651*12
-0.48,19.83237,46.87070,34.2838*14
-0.49,19.84680,46.81978,34.2303*1E
-0.48,19.82913,46.84932,34.2689*10

From: "Brian Kieft" <bkieft@mbari.org>

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Sent: Monday, July 13, 2015 9:32:24 AM

Subject: Makai CTD values - 07/13/2015

ESP Mission Trials - Deployment 10.

Pre Deployment

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Mon 13 Jul 2015 09:30:09	34.6581	19.7845	0.686	24.5587

Makai:

-0.14,19.90185,46.51971,33.9398*1B
-0.13,19.92612,46.52286,33.9228*1D
-0.12,19.96969,46.52556,33.8899*10
-0.13,19.93613,46.53390,33.9237*14
-0.12,19.94562,46.53704,33.9186*17
-0.12,19.92673,46.54188,33.9378*14
-0.13,19.94241,46.54214,33.9254*1F
-0.13,19.96570,46.54302,33.9073*19
-0.14,19.95114,46.54473,33.9205*19
-0.12,19.94693,46.54422,33.9234*10
-0.14,19.95157,46.54431,33.9198*1F
-0.12,19.93808,46.54010,33.9272*1C
-0.12,19.93472,46.53698,33.9274*1A
-0.13,19.90497,46.55012,33.9622*16
-0.12,19.92670,46.52455,33.9237*1E
-0.13,19.93097,46.52043,33.9169*1A
-0.13,19.93304,46.51402,33.9100*1E

-0.12,19.92193,46.50649,33.9128*14
-0.12,19.93198,46.47933,33.8825*1F
-0.12,19.95120,46.48414,33.8709*1C
-0.14,19.91720,46.47729,33.8928*17
-0.14,19.91568,46.47208,33.8897*1A
-0.13,19.93237,46.46393,33.8696*1F
-0.16,19.94949,46.45809,33.8511*18
-0.13,19.92740,46.44990,33.8622*1F
-0.14,19.94565,46.44684,33.8450*16
-0.12,19.92480,46.44135,33.8573*11
-0.13,19.93832,46.43387,33.8403*1E
-0.13,19.92477,46.42800,33.8464*16
-0.12,19.91977,46.41783,33.8421*1F
-0.14,19.92184,46.41183,33.8355*1C
-0.13,19.92300,46.40305,33.8274*1A

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Sent: Friday, June 5, 2015 2:11:00 PM

Subject: Re: Makai CTD values - 06/05/2015

Post deployment

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Fri 05 Jun 2015 13:30:10	34.6334	19.3011	0.565	24.6651

Makai:

-0.38,19.31174,45.77471,33.8052*1E
-0.38,19.31174,45.77515,33.8056*19
-0.38,19.31146,45.77548,33.8061*14
-0.38,19.31070,45.77363,33.8052*1F
-0.38,19.31302,45.77379,33.8034*12
-0.38,19.31079,45.77243,33.8041*17
-0.37,19.31082,45.77445,33.8058*14
-0.38,19.31167,45.77238,33.8033*10
-0.37,19.31000,45.77266,33.8049*19
-0.38,19.31119,45.77316,33.8044*14
-0.38,19.31158,45.77420,33.8049*1E
-0.37,19.30923,45.77190,33.8049*1A
-0.37,19.31070,45.77463,33.8060*16
-0.38,19.31094,45.77429,33.8055*1B
-0.37,19.30881,45.77265,33.8059*1B
-0.37,19.30972,45.77492,33.8070*13
-0.39,19.30871,45.77579,33.8086*12
-0.37,19.30923,45.77675,33.8089*1A
-0.37,19.30884,45.77102,33.8045*11
-0.38,19.30896,45.77639,33.8089*12

-0.35,19.30844,45.77449,33.8077*14
-0.37,19.30817,45.77044,33.8046*1B
-0.38,19.30768,45.77307,33.8072*10
-0.39,19.30777,45.77600,33.8095*14
-0.39,19.30719,45.77129,33.8061*1B
-0.39,19.30704,45.77773,33.8115*1C
-0.40,19.30688,45.77534,33.8097*1D
-0.38,19.30759,45.77471,33.8086*1F
-0.39,19.30621,45.77347,33.8087*13
-0.39,19.30649,45.77333,33.8083*1A
-0.38,19.30594,45.77478,33.8100*1A
-0.42,19.30560,45.77353,33.8092*18
-0.40,19.30560,45.77436,33.8099*15
-0.39,19.30600,45.77410,33.8094*17
-0.39,19.30569,45.77127,33.8073*13
-0.41,19.30557,45.77422,33.8098*14
-0.37,19.30582,45.77461,33.8099*1B
-0.43,19.30472,45.77272,33.8093*18

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Sent: Monday, June 1, 2015 3:41:55 PM

Subject: Re: Makai CTD values - 06/01/2015

Pre-deployment

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Mon 01 Jun 2015 14:30:10	34.5886	19.3167	0.520	24.6269

Makai:

-0.12,19.37201,46.15335,34.0692*14
-0.12,19.37280,46.15071,34.0664*17
-0.13,19.37329,46.15113,34.0663*16
-0.12,19.37344,46.15167,34.0666*1A
-0.12,19.37463,46.15172,34.0657*1E
-0.12,19.37616,46.15135,34.0642*19
-0.12,19.37692,46.15247,34.0645*14
-0.12,19.37814,46.15201,34.0631*15
-0.11,19.37918,46.15045,34.0609*12
-0.11,19.38098,46.15327,34.0618*1B
-0.12,19.38055,46.15534,34.0639*1E
-0.12,19.38098,46.15584,34.0639*14
-0.12,19.38211,46.15621,34.0633*11
-0.12,19.38180,46.15693,34.0642*15
-0.12,19.38241,46.15356,34.0609*18
-0.12,19.38263,46.15417,34.0612*10

-0.12,19.38296,46.15753,34.0637*1E
-0.12,19.38296,46.15565,34.0621*1E
-0.12,19.38348,46.15942,34.0648*1A
-0.11,19.38360,46.15628,34.0621*1F
-0.12,19.38464,46.15516,34.0604*16
-0.11,19.38464,46.15604,34.0611*11
-0.11,19.38660,46.15711,34.0604*16
-0.12,19.38837,46.15731,34.0591*14
-0.12,19.38940,46.15624,34.0574*1B
-0.12,19.39126,46.15673,34.0563*16
-0.12,19.39136,46.15740,34.0567*12
-0.12,19.39166,46.16031,34.0589*15
-0.11,19.39242,46.16010,34.0581*18
-0.11,19.39331,46.15812,34.0557*1F
-0.12,19.39331,46.15732,34.0551*17
-0.11,19.39365,46.16070,34.0576*12
-0.11,19.39371,46.16408,34.0603*1D
-0.12,19.39322,46.15843,34.0561*1F
-0.11,19.39484,46.15945,34.0556*14
-0.12,19.39532,46.16469,34.0595*14

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Sent: Thursday, May 28, 2015 6:32:57 PM

Subject: Re: Makai CTD values - 05/28/2015

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Thu 28 May 2015 17:30:09	34.5677	19.4409	0.496	24.5789

Makai:

-0.45,19.43167,46.58179,34.3747*1F
-0.45,19.43884,46.57909,34.3666*19
-0.45,19.43234,46.57580,34.3692*1E
-0.45,19.43243,46.57379,34.3675*17
-0.45,19.43216,46.57112,34.3655*1A
-0.45,19.43161,46.56951,34.3646*15
-0.45,19.43167,46.56807,34.3633*13
-0.45,19.43127,46.56198,34.3586*15
-0.45,19.42670,46.55850,34.3595*1D
-0.44,19.43216,46.55564,34.3527*1A
-0.45,19.42892,46.55247,34.3527*1A
-0.45,19.42709,46.55018,34.3523*1B
-0.45,19.42596,46.54645,34.3502*13
-0.44,19.42499,46.54418,34.3491*1D

-0.45,19.42447,46.54285,34.3484*19
-0.45,19.42218,46.53919,34.3473*14
-0.44,19.42346,46.53626,34.3438*13
-0.44,19.41952,46.53305,34.3444*10
-0.45,19.41638,46.53193,34.3461*18
-0.45,19.41461,46.53105,34.3468*10
-0.45,19.41333,46.52964,34.3467*11
-0.45,19.40967,46.52812,34.3484*16
-0.45,19.40582,46.52479,34.3489*1D
-0.45,19.40393,46.52215,34.3482*1C
-0.46,19.39795,46.52210,34.3531*1F
-0.45,19.38425,46.51878,34.3617*15
-0.44,19.38296,46.51835,34.3623*14
-0.45,19.38138,46.51570,34.3615*1B
-0.46,19.38293,46.51668,34.3610*15
-0.45,19.38940,46.51483,34.3541*13
-0.46,19.39728,46.51258,34.3458*18
-0.45,19.40686,46.51085,34.3364*1A
-0.45,19.40927,46.50999,34.3338*12
-0.45,19.41580,46.50814,34.3269*13
-0.46,19.42081,46.50420,34.3195*1C
-0.45,19.42944,46.50387,34.3121*1A
-0.45,19.43271,46.50240,34.3082*14
-0.46,19.43500,46.50046,34.3047*1B
-0.45,19.43811,46.50151,34.3030*12
-0.44,19.44034,46.50111,34.3008*14

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Sent: Tuesday, May 19, 2015 9:01:40 AM

Subject: Re: Makai CTD values - 05/19/2015

Here's the data from Makai this morning. Note that I've pulled the CTD up near the surface in the SW corner. Unfortunately it hasn't taken another sample yet, though I'll send out an ammended note with new tank values if they change.

These values are closer than the other vehicles and I'll plan to do future readings in the same manner.

Tank:

Last Acquired CTD Sample				
Timestamp (PST8PDT)	Salinity (psu)	Temperature (C)	Pressure (dbar)	Sigma-t (kg/m ³)
Tue 19 May 2015 08:30:09	34.6037	19.2830	8.927	24.6471

Makai:

-0.01,19.35086,46.67391,34.5176*1A
-0.01,19.34854,46.67414,34.5197*19
-0.02,19.34930,46.67419,34.5192*11

-0.02,19.34412,46.67349,34.5229*1D
-0.01,19.34994,46.67374,34.5182*11
-0.02,19.35010,46.67439,34.5187*1D
-0.00,19.34881,46.67366,34.5191*14
-0.02,19.35361,46.67315,34.5147*1D
-0.02,19.34970,46.67599,34.5203*17
-0.01,19.33050,46.67413,34.5347*1A
-0.01,19.35257,46.72529,34.5588*10
-0.02,19.35605,46.67404,34.5134*19
-0.02,19.37659,46.67487,34.4971*11
-0.01,19.35443,46.67602,34.5164*1B
-0.00,19.34183,46.67517,34.5262*10
-0.01,19.34769,46.67460,34.5208*1E
-0.01,19.34155,46.67574,34.5269*14
-0.01,19.34943,46.67449,34.5193*12
-0.02,19.34784,46.67565,34.5216*15
-0.01,19.34891,46.67499,34.5201*19
-0.02,19.35760,46.67401,34.5121*1A
-0.01,19.34851,46.67546,34.5209*1E
-0.00,19.34891,46.67521,34.5203*18
-0.01,19.34900,46.67443,34.5196*1A
-0.01,19.33130,46.67577,34.5354*1C
-0.00,19.34939,46.67287,34.5180*18
-0.02,19.34939,46.67705,34.5214*1B
-0.00,19.37628,46.67598,34.4983*17
-0.02,19.34668,46.67604,34.5229*1E
-0.01,19.34027,46.67691,34.5289*16
-0.02,19.34900,46.67601,34.5209*18
-0.01,19.35257,46.67713,34.5189*1A
-0.02,19.33545,46.67593,34.5321*11
-0.01,19.31851,46.67603,34.5462*12
-0.02,19.34939,46.67684,34.5213*14
-0.00,19.34860,46.67712,34.5222*17
