NBP Sensor Calibration Spreadsheet

Key

Published date: 1/7/2009
Last Updated: 4/12/2008

Note: Print in Portrait Mode on HP1100, using Post Script Custom paper size: 24.00 x 24.00

For permanent sensor installations (i.e. MET and Underway systems) with two or more sensors in rotation, use the following guidelines for planning sensor replacement:

Annual Calibration Period – send sensors for recalibration every 9 months

Two-Year Calibration Period – send sensors for recalibration every 20 months

"ERR/R" =Equipment Repair and Return

"NU"=In Use

Semiannual=6 Month

Biennial=2 Yr.

Annual=Each Yr.

Triennial=3 Yr.

Light Gray indicates Sensor Missing "Where ?"
Red indicates Overdue Calibration
Yellow indicates Calibration due in < 120 Days
Green indicates Out for Calibration and/or Repair
Blue indicates sensor is currently installed and in use

WH1 - PA Warehouse #1
WH2 - PA Warehouse #2

Light Gray indicates Sensor Missing "Where ?"
Red indicates Overdue Back on Ship

If something needs emphasis, do not use color. Put it in bold and/or ALL CAPS.

COL #	SENSOR NAME	SERIAL	MNFR	MODEL	SYSTEM	CAL. VENDOR	CAL PERIOD	LAST CAL	CAL DUE	LOCATION	DATE LAST RECEIVED	DATE LAST INSTALLED	ERR'd AFTER CRUISE	ERR NUMBER	TCN NUMBER	ROS DATE from ERR	DUE BACK ON SHIP	COMMENTS	COL #	MAX DEPTH
METEOROLOGY																				
1	Anemometer	WM 46263	RM Young	5106	MET	RPSC	Biennial/Annual after Install	6/30/2007	8-Jul-2008	IU	N/A	7/9/07						Port Side	1	N/A
2	Anemometer	WM 45835	RM Young	5106	MET	RPSC	NA	2/28/2007	NONE	IU	N/A	3/1/07						Bridge on Centerline	2	N/A
3	Anemometer	WM 51143	RM Young	5106	MET	RPSC	Biennial/Annual after Install	7/13/2007	12-Jul-2009	Hobby Room 3-03	N/A								3	N/A
4	Anemometer	WM 73682	RM Young	5106	MET	RPSC	Biennial/Annual after Install	6/30/2007	8-Jul-2008	IU	N/A	7/9/07						Stbd Side	4	N/A
5	Anemometer, U/S	071739	Gill Instruments	1390	MET	Gill Instruments	NA	5/15/2007	NONE	IU	7/1/2007	7/9/07						Stbd Side, UltraSound Anemometer	5	N/A
6	Barometer	00872	RM Young	61201	MET	RM Young	Biennial/Annual after Install	9/26/2007	25-Sep-2009	Hobby Room 3-04	1/6/08								6	N/A
7	Barometer	01705	RM Young	61201	MET	RM Young	Biennial/Annual after Install	12/1/2006	30-Nov-2008	IU	3/26/2007	5/26/08							7	N/A
8	Barometer	01706	RM Young	61201	MET	RM Young	Biennial/Annual after Install	6/15/2006	14-Jun-2008	ERR	6/30/2006	6/27/07	NBP08-05	NBP08-041	8866-X313	8241	8/28/2008		8	N/A
9	Barometer	01707	RM Young	61201	MET	RM Young	Biennial/Annual after Install	9/29/2006	29-Sep-2008	Hobby Room 3-04	12/19/2006								9	N/A
10	Humidity/Wet Temp	06733	RM Young	41372LC	MET	RM Young	Biennial/Annual after Install	9/26/2007	25-Sep-2009	Hobby Room 3-04	1/6/2008								10	N/A
11	Humidity/Wet Temp	06134	RM Young	41372LC	MET	RM Young	Biennial/Annual after Install	9/29/2006	28-Sep-2008	IU	12/19/2006	5/26/08							11	N/A
12	Humidity/Wet Temp	06135	RM Young	41372LC	MET	RM Young	Biennial/Annual after Install	6/15/2006	14-Jun-2008	ERR	6/30/2006	6/27/07	NBP08-05	NBP08-041	8866-X313	8241	8/28/2008		12	N/A
13	PAR for Mast	6356	Biosph. Inst.	QSR-240	MET	Biosph. Inst.	Biennial	8/8/2007	7-Aug-2009	IU	8/28/2007	8/29/07							13	N/A
14	PAR for Mast	6357	Biosph. Inst.	QSR-240	MET	Biosph. Inst.	Biennial	2/7/2008	6-Feb-2010	Baltic Catwalk	4/18/2008								14	N/A
15	PIR	32845F3	Eppley	PIR	MET	Eppley	Annual	7/30/2007	29-Jul-2008	IU	11/5/2007	4/14/08							15	N/A
16	PIR	33023F3	Eppley	PIR	MET	Eppley	Annual	3/8/2007	7-Mar-2008	ERR	5/30/2007	7/20/07	NBP08-04	NBP08-034	8866-X308	8199	7/17/2008		16	N/A
17	PSP	32850F3	Eppley	PSP	MET	Eppley	Annual	7/26/2007	25-Jul-2008	IU	11/5/2007	4/14/08							17	N/A
18	PSP	33090F3	Eppley	PSP	MET	Eppley	Annual	2/27/2007	27-Feb-2008	ERR	5/30/2007	7/20/07	NBP08-04	NBP08-033	8866-X307	8199	7/17/2008		18	N/A
19	GUV (Mast)	25110203114	Biosph. Inst.	GUV-2511	MET	Biosph. Inst.	Annual	1/23/2007	23-Jan-2008	ERR	3/26/2007	8/31/07	NBP0804	NBP08-035	8866-X309	8199	7/17/2008		19	N/A
20	GUV (Mast)	25110203113	Biosph. Inst.	GUV-2511	MET	Biosph. Inst.	Annual	3/18/2008	18-Mar-2009	IU	4/18/2008	4/18/08							20	N/A
21	PUV (Underwater)	25000203114	Biosph. Inst.	PUV-2500	MET	Biosph. Inst.	Annual	10/17/2006	17-Oct-2007	ERR	out		NBP0711	NBP07-124	7866-X364	8102	4/11/2008		21	200m
22	PRR (Mast)	9696	Biosph. Inst.	PRR-610	MET	Biosph. Inst.	NA	1/9/2004	NONE	Hobby Room 3-01	N/A	11/1/05						Do NOT ERR, new system to be purchased	22	N/A
23	PRR (Underwater)	9695	Biosph. Inst.	PRR-600	MET	Biosph. Inst.	NA	1/9/2004	NONE	Hobby Room 3-01	N/A	11/1/05						Do NOT ERR, new system to be purchased	23	200m
CTD																				
1	Altimeter	297	Datasonics	PSA-9005C	CTD & MOC	Datasonics	NA	NA	NONE	Baltic Catwalk B-1	N/A								1	6000 m
2	Altimeter	497	Datasonics	PSA-900D	CTD & MOC	Datasonics	NA	NA	NONE	Baltic Catwalk B-2	N/A	11/18/07							2	6000 m
3	Bottom Contact Switch	#1	Sea-Bird	N/A	CTD & MOC	N/A	NA	NA	NONE	IU	N/A	1/8/08							3	N/A
4	Bottom Contact Switch	#2	Sea-Bird	N/A	CTD & MOC	N/A	NA	NA	NONE	Baltic Catwalk B-5	N/A	11/1/06							4	N/A
5	SBE 11+ Deck Unit	11P19858-0490	Sea-Bird	11+	CTD	Sea-Bird	NA	NA	NONE	Fwd Drylab									5	N/A
6	SBE 11+ Deck Unit	11P7536-0317	Sea-Bird	11+	CTD	Sea-Bird	NA	NA	NONE	Hobby Room									6	N/A
7	SBE 11+ Deck Unit	11P47914-0768	Sea-Bird	11+	CTD	Sea-Bird	NA	NA	NONE	IU		1/8/08							7	N/A
8	Carousel Water Sampler	3214153-0140	Sea-Bird	SBE-32	CTD	Sea-Bird	NA	NA	NONE	Baltic Catwalk	N/A								9	6800m
9	Carousel Water Sampler	3211265-0066	Sea-Bird	SBE-32	CTD	Sea-Bird	NA	NA	NONE	IU	N/A	11/1/06							10	6800m
10	Conductivity	040924	Sea-Bird	4 - 02/O	CTD & MOC	Sea-Bird	Pre/Post,Biennial	2/9/2007	8-Feb-2009	ERR	3/17/2008	4/11/08	NBP0805	NBP08-037	8866-X311	8241	8/28/2008		11	6800m
11	Conductivity	040926	Sea-Bird	4 - 02/O	CTD & MOC	Sea-Bird	Pre/Post,Biennial	5/3/2007	2-May-2009	ERR	out		NBP0803	NBP08-008	8866-X300	8188	7/6/2008		12	6800m
12	Conductivity	041143	Sea-Bird	4 - 02/O	CTD & MOC	Sea-Bird	Pre/Post,Biennial	5/25/2007	24-May-2009	ERR	out		NBP0803	NBP08-008	8866-X300	8188	7/6/2008		13	6800m
13	Conductivity	041314	Sea-Bird	4 - 02/O	CTD & MOC	Sea-Bird	Pre/Post,Biennial	2/11/2008	10-Feb-2010	Hobby Room 3-06	3/17/2008								14	6800m
14	Conductivity	041431	Sea-Bird	4-02/O	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/26/2008	25-Jan-2010	Hobby Room 3-06	3/17/2008								15	6800m
15	Conductivity	041798	Sea-Bird	4C 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/11/2008	10-Jan-2010	Hobby Room 3-06	3/17/2008								16	6800m
16	Conductivity	041799	Sea-Bird	4C 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	9/26/2007	25-Jun-2009	ERR	8/28/2007	4/11/08	NBP0805	NBP08-037	8866-X311	8241	8/28/2008		17	6800m
17	Conductivity	041850	Sea-Bird	4C 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	9/26/2007	25-Jun-2009	IU	8/28/2007	5/27/08	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	CTD Secondary for NBP08-06	18	6800m
18	Conductivity	041852	Sea-Bird	4C 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/26/2008	25-Jan-2010	IU	3/17/2008	5/27/08	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	CTD Primary for NBP08-06	19	6800m
19	Conductivity	042067	Sea-Bird	4C 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/26/2008	25-Jan-2010	Hobby Room 3-06	3/17/2008								20	6800m
20	Conductivity	042069	Sea-Bird	4C 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/26/2008	25-Jan-2010	Hobby Room 3-06	3/17/2008								21	6800m
21	Conductivity	042513	Sea-Bird	4M 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/26/2008	25-Jan-2010	Hobby Room 3-06	3/17/2008								22	6800m
22	CTD Fish	094857-0232	Sea-Bird	SBE 9+	CTD	Sea-Bird	Biennial	9/26/2006	25-Sep-2008	IU	6/3/2007	9/1/07							23	6800m
23	CTD Pressure Sensor	43528	Paroscientific	410K-105	CTD	Sea-Bird	Biennial	9/2/2006	1-Sep-2008	IU	6/3/2007	9/1/07							24	6800m
24	CTD Fish	09P7536-0328	Sea-Bird	SBE 9+	CTD	Sea-Bird	Biennial	8/1/2007	31-Jul-2009	Baltic Catwalk	8/30/2007	10/1/07							25	6800m
25	CTD Pressure Sensor	53980	Paroscientific	410K-105	CTD	Sea-Bird	Biennial	8/1/2007	31-Jul-2009	Baltic Catwalk	8/30/2007	10/1/07							26	6800m
26	CTD Fish	09P10716-0377	Sea-Bird	SBE 9+	CTD	Sea-Bird	Biennial	9/18/2007	17-Sep-2009	LMG	8/28/2007	9/3/07						Loaned to LMG on 10/31/07	27	6800m
27	CTD Pressure Sensor	58949	Paroscientific	410K-105	CTD	Sea-Bird	Biennial	9/18/2007	17-Sep-2009	LMG	8/28/2007	9/3/07						Loaned to LMG on 10/31/07	28	6800m
28	Dissolved Oxygen	0080	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	7/25/2007	24-Jul-2008	IU	8/28/2007	5/27/08	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	CTD Secondary for NBP08-06	29	7000m
29	Dissolved Oxygen	0082	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	1/9/2008	8-Jan-2009	IU	3/17/2008	5/27/08	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	CTD Primary for NBP08-06	30	7000m
30	Dissolved Oxygen	0139	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	2/5/2008	4-Feb-2009	Hobby Room 3-07	3/17/2008								31	7000m
31	Dissolved Oxygen	0150	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	2/5/2008	4-Feb-2009	Hobby Room 3-07	3/17/2008								32	7000m
32	Dissolved Oxygen	0152	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	1/9/2008	8-Jan-2009	Hobby Room 3-07	3/17/2008								33	7000m
33	Dissolved Oxygen	0155	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	1/9/2008	8-Jan-2009	ERR	3/17/2008	4/11/08	NBP08-05	NBP08-036	8866-X310	8241	8/28/2008		34	7000m
34	Dissolved Oxygen	0158	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	1/9/2008	8-Jan-2009	ERR	3/17/2008	4/11/08	NBP08-05	NBP08-036	8866-X310	8241	8/28/2008		35	7000m
35	Dissolved Oxygen	0161	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	5/22/2007	21-May-2008	ERR	out		NBP0803	NBP08-008	8866-X300	8188	7/6/2008		36	7000m
36	Dissolved Oxygen	0179	Sea-Bird	SBE 43	CTD & MOC	Sea-Bird	Pre/Post,Annual	1/27/2007	27-Jan-2008	ERR	out		NBP0803	NBP08-008	8866-X300	8188	7/6/2008	***(Borrowed from LMG)***	37	7000m
37	CTD Pump	050444 3.0K	Sea-Bird	S-02	CTD & MOC	RPSC	Biennial	11/27/2006	26-Nov-2008	Baltic Catwalk B-3	3/26/2007	10/1/07							38	6000m
38	CTD Pump	050445 3.0K	Sea-Bird	S-02	CTD & MOC	RPSC	Biennial	11/4/2006	3-Nov-2008	Baltic Catwalk B-3	3/26/2007	10/1/07							39	6000m
39	CTD Pump	050889 3.0K	Sea-Bird	ST, PN 90160	CTD & MOC	RPSC	Biennial	11/17/2006	16-Nov-2008	Baltic Catwalk B-3	3/26/2007	9/22/07							40	10500m
40	CTD Pump	051265 3.0K	Sea-Bird	ST, PN 90160	CTD & MOC	RPSC	Biennial	11/21/2006	20-Nov-2008	Baltic Catwalk B-3	3/26/2007								41	10500m
41	CTD Pump	051626 3.0K	Sea-Bird	ST, PN 90160	CTD & MOC	RPSC	Biennial	4/17/2008	17-Apr-2010	IU	8/21/2006	4/11/08						***CTD Primary for NBP08-06***	42	10500m
42	CTD Pump	051627 3.0K	Sea-Bird	ST, PN 90160	CTD & MOC	RPSC	Biennial	4/27/2008	27-Apr-2010	Baltic Catwalk B-3	8/21/2006	8/8/01						Did not replace O-rings or thrust washers	43	10500m
43	CTD Pump	051646 3.0K	Sea-Bird	ST, PN 90160	CTD & MOC	RPSC	Biennial	4/17/2008	17-Apr-2010	IU	9/28/2006	4/11/07						CTD Secondary for NBP08-06	46	10500m
44	Fluorometer	AFLD-011	WetLabs	AFLT	CTD & MOC	WetLabs	Pre/Post,Biennial	2/14/2008	13-Feb-2010	Hobby Room	4/18/2008								47	6000m
45	Fluorometer	AFL-0161	WetLabs	AFLT	CTD & MOC	WetLabs	Pre/Post,Biennial	10/16/2006	15-Oct-2008	IU	1/30/2008	4/11/08	NBP0806	NBP08-040				CTD for NBP08-06	48	6000m
46	Fluorometer	AFLD-009	WetLabs	AFLT	CTD & MOC	WetLabs	Pre/Post,Biennial	2/14/2008	13-Feb-2010	Hobby Room	4/18/2008								49	6000m
47	Fluorometer	FLRTD-855	WetLabs	FLRTD	CTD & MOC	WetLabs	Pre/Post,Biennial	10/30/2007	29-Oct-2009	ERR	out	1/8/08	NBP0803	NBP08-009	8866-X301	8188	7/6/2008		50	6000m
48	Pinger, 12khz	5518	OIS	6000 (6000 m)	CTD & MOC	RPSC	N/A	N/A	NONE	Baltic Catwalk B-5	N/A							Replaced L1 and tested.	51	6000m
49	Pinger, 12khz	5118	OIS	6000 (6000 m)	CTD & MOC	RPSC	N/A	N/A	NONE	IU		1/8/08						***CTD for NBP08-06***	52	6000m
50	PAR	4361	Biosph. Inst.	QSP-200L4S	CTD & MOC	Biosph. Inst.	Pre/Post,Biennial	1/31/2007	30-Jan-2009	Baltic Catwalk B-4	5/14/2007								53	1000m
51	PAR	4469	Biosph. Inst.	QSP-200L4S	CTD & MOC	Biosph. Inst.	Pre/Post,Biennial	2/1/2008	31-Jan-2010	Baltic Catwalk B-4	3/17/2008								54	1000m
52	PAR	4471	Biosph. Inst.	QSP-200L4S	CTD & MOC	Biosph. Inst.	Pre/Post,Biennial	6/1/2006	31-May-2008	ERR	9/21/2006		NBP0805	NBP08-043	8866-X315	8241	8/28/2008		55	1000m
53	PAR	4717	Biosph. Inst.	QSP-2300	CTD & MOC	Biosph. Inst.	Pre/Post,Biennial	2/1/2008	31-Jan-2010	w/seacat-19 in Baltic rm	3/17/2008								56	2000m
54	PAR	4721	Biosph. Inst.	QSP-2300	CTD & MOC	Biosph. Inst.	Pre/Post,Biennial	10/20/2006	19-Oct-2008	IU	12/19/2006	5/27/08	NBP0806					CTD	57	2000m
55	PAR	7154	Biosph. Inst.	QSP-200L4S	CTD & MOC	Biosph. Inst.	Pre/Post,Biennial	6/7/2006	6-Jun-2008	ERR	out		NBP0803	NBP08-010	8866-X302	8188	7/6/2008		58	1000m
56	Temperature	031238	Sea-Bird	3-02/F	CTD & MOC	Sea-Bird	Pre/Post,Biennial	2/21/2008	20-Feb-2010	Baltic Catwalk B-6	3/17/2008								59	10,5000 m
57	Temperature	031457	Sea-Bird	3-02/F	CTD & MOC	Sea-Bird	Pre/Post,Biennial	5/3/2007	2-May-2009	ERR	out		NBP0803	NBP08-008	8866-X300	8188	7/6/2008		60	10,5000 m
58	Temperature	031541	Sea-Bird	3-02/F	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/10/2008	9-Jan-2010	Baltic Catwalk B-6	3/17/2008								61	10,5000 m
59	Temperature	031649	Sea-Bird	3-02/F	CTD & MOC	Sea-Bird	Pre/Post,Biennial	2/21/2008	20-Feb-2010	Baltic Catwalk B-6	3/17/2008								62	10,5000 m
60	Temperature	03P2168	Sea-Bird	3plus 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	6/26/2007	25-Jun-2009	ERR	8/28/2007	4/11/08	NBP0805	NBP08-039	8866-X312	8241	8/28/2008		63	6800m
61	Temperature	03P2186	Sea-Bird	3plus 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/10/2008	9-Jan-2010	IU	3/17/2008	5/27/08	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	CTD Primary for NBP08-06	64	6800m
62	Temperature	03P2299	Sea-Bird	3plus 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	5/10/2007	9-May-2009	ERR	out		NBP0803	NBP08-008	8866-X300	8188	7/6/2008		65	6800m
63	Temperature	03P2308	Sea-Bird	3plus 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/10/2008	9-Jan-2010	IU	3/17/2008	5/27/08	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	CTD Secondary for NBP08-06	66	6800m
64	Temperature	03P2367	Sea-Bird	3plus 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	6/27/2007	26-Jun-2009	ERR	8/28/2007	4/11/08	NBP0805	NBP08-039	8866-X312	8241	8/28/2008		67	6800m
65	Temperature	03P2438	Sea-Bird	3plus 6800m	CTD & MOC	Sea-Bird	Pre/Post,Biennial	1/9/2008	8-Jan-2010	Baltic Catwalk B-6	3/17/2008								68	6800m
66	Transmissometer	CST-397DR	WET Labs	C-Star	CTD & MOC	WetLabs	Biennial/Annual after Install	2/13/2006	13-Feb-2008	ERR	out	8/15/07	NBP0803	NBP08-011	8866-X303	8188	7/6/2008		71	6000m
67	Transmissometer	CST-439DR	WET Labs	C-Star	CTD & MOC	WetLabs	Biennial/Annual after Install	11/14/2007	13-Nov-2009	Baltic Catwalk	1/6/2008								72	6000m
68	Transmissometer	CST-557DR	WET Labs	C-Star	CTD & MOC	WetLabs	Biennial/Annual after Install	12/20/2006	19-Dec-2008	IU	3/26/2007	3/14/08						***NBP UW System***	74	6000m
69	Transmissometer	CST-831DR	WET Labs	C-Star	CTD & MOC	WetLabs	Biennial/Annual after Install	4/9/2008	9-Apr-2010	Baltic Catwalk	4/18/2008								75	6000m
70	Transmissometer	CST-889DR	WET Labs	C-Star	CTD & MOC	WetLabs	Biennial/Annual after Install	7/27/2007	11-Apr-2009	IU	8/28/2007	4/11/08						CTD for NBP08-06	76	6000m
71	Transmissometer	CST-892DR	WET Labs	C-Star	CTD & MOC	WetLabs	Biennial/Annual after Install	4/19/2008	19-Apr-2010	Baltic Catwalk	5/27/2008								77	6000m
UNDERWAY SEA WATER SAMPLING SYSTEM																				
1	Fluorometer	5651-FRTD	Turner	10-AU-005	Underway	MST and ET	NA	8/6/2004	NONE	Science Stores	N/A								1	N/A
2	Fluorometer	5333-FRXX	Turner	10-AU-005	Underway	MST and ET	NA	4/14/2004	NONE	IU	6/1/2007	4/14/04						**NBP UW system**	2	N/A
3	Fluorometer	AFL-044	WetLabs	AFL	Underway	WetLabs	Biennial/Annual after Install	5/31/2006	30-May-2008	IU	8/21/2006	6/23/07		NBP08-040		8241	8/28/2008	**NBP UW system**	3	600m
4	Transmissometer	CST-422PR	WET Labs	C-Star	Underway	WetLabs	NA	12/9/2005	NONE	WH1	12/14/2005				5866-W621			**Do NOT Use**, hold in WH for possible future credit.	4	600m
5	Micro-TSG	4546167-0199	Sea-Bird	SBE 45	Underway	Sea-Bird	Biennial/Annual after Install	3/21/2007	9-Jun-2008	ERR	6/1/2007	6/10/07	NBP0805	NBP08-042	8866-X314	8241	8/28/2008	**NBP UW system**	5	N/A
6	Micro-TSG	4549120-0226	Sea-Bird	SBE 45	Underway	Sea-Bird	Biennial/Annual after Install	1/12/2008	11-Jan-2010	IU	4/18/2008								6	N/A
7	TSG	214857-0857	Sea-Bird	SBE 21	Underway	Sea-Bird	Biennial/Annual after Install	3/15/2006	14-Mar-2008	WH1	unk		NBP07-02		7866-W397			Mothballed, hold in P.A	7	N/A
8	TSG	2131020-3198	Sea-Bird	SBE 21	Underway	Sea-Bird	Biennial/Annual after Install	5/20/2006	7-Feb-2008	IU	8/20/2006	2/7/07						***NBP UW system, NSF # 020611***	8	N/A
9	TSG	218091-1390	Sea-Bird	SBE 21	Underway	Sea-Bird	Biennial/Annual after Install	3/6/2007	5-Mar-2009	Baltic Catwalk	3/12/2007								9	N/A
10	Digital Remote Temp	3846730-0323	Sea-Bird	SBE 38	Underway	Sea-Bird	Biennial/Annual after Install	2/6/2006	5-Feb-2010	Baltic Catwalk B-6	3/17/2008								10	10500m
11	Digital Remote Temp	3846730-0352	Sea-Bird	SBE 38	Underway	Sea-Bird	Biennial/Annual after Install	6/6/2007	14-Jul-2008	IU	6/25/2007	7/15/07	NBP0806	NBP08-064	8866-X325	8265	9/21/2008	**NBP UW system, Primary Location**	11	10500m
12	Digital Remote Temp	3849120-0178	Sea-Bird	SBE 38	Underway	Sea-Bird	Biennial/Annual after Install	1/12/2008	11-Jan-2010	Baltic Catwalk	4/18/2008								12	10500m
13	Remote Temp	031267	Sea-Bird	3-01/S	Underway	Sea-Bird	Biennial/Annual after Install	4/12/2006	29-Jan-2008	IU	9/28/2006	1/29/07						**NBP UW system, Moved to secondary location**	13	N/A
14	Remote Temp	031497	Sea-Bird	3-01/S	Underway	Sea-Bird	Biennial/Annual after Install	3/1/2007	28-Feb-2009	Baltic Catwalk B-6	unk							Do **NOT** calibrate, phasing these out in 1 year. MOCN	14	N/A
15	Remote Temp	032593	Sea-Bird	3S 3400m	Underway	Sea-Bird	Biennial/Annual after Install	6/11/2005	11-Jun-2007	Baltic Catwalk B-6	9/20/2005							Do **NOT** calibrate, phasing these out in 1 year. MOCN	15	3400m
16	Remote Temp	034080	Sea-Bird	3S 3400m	Underway	Sea-Bird	Biennial/Annual after Install	6/11/2005	11-Jun-2007	Baltic Catwalk B-6	9/20/2005							Do **NOT** calibrate, phasing these out in 1 year. MOCN	16	3400m