

CTD/PLANKTON NET TOW LOG

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Cruise #: 2019-053

Institution: PBS

Net#: 01

Month: Sept

Tow Type: Bongo VNH

Recorder: YU

Flowmeter Serial#: 6069

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Wire Angle	Flowmeter Start	Flowmeter Finish	Sampling Condition*	Note
						D	M	S	D	M	S								
002	1	10	1609	BE	CTD	49	13	953	123	48	645	241	230	230	0				
003	1		1622		NET		13	916		48	631	236	225	225	0	80010	81080	4	
006	3		1835		CTD		17	704		42	398	294	250	250	0				
007	3	✓	1846		NET		17	696		42	563	296	250	250	0	81080	81150	4	FLOWMETER MALFUNCTION
012	7	11	1553		CTD		25	603		46	540	177	170	170	0				
013	7		1601		NET		25	628		46	537	177	170	170	0	81150	81220	3	FM MALFUNCTION
016	9		1855		CTD		22	729		51	798	333	250	250	5				
017	9	✓	1908		NET		22	902	✓	52	017	325	250	250	30	81220	83050	2	STRONG WIND DAS
022	13	12	0146		CTD		36	625	124	11	673	367	250	250	5				
023	13		0158		NET		36	766		11	942	364	250	250	30	83050	84680	2	STRONG WIND DAS
025	14		1537		CTD		56	445		44	029	139	130	130	5				
026	14		1544		NET	✓	56	528		44	204	134	120	120	30	84680	85585	2	STRONG WIND DAS
031	18		1957		CTD	50	06	933		47	457	489	250	250	5				
032	18	✓	2008		NET		06	814		47	570	491	250	250	15	85585	86950	2	
038	23	13	0122		CTD		13	039		47	703	238	230	230	0				
039	23		0133		NET		13	000		47	644	243	230	230	0	86950	88050	4	
041	24		1557		CTD		14	842		59	323	348	250	250	0				
042	24		1609		NET		14	979		59	380	364	250	250	0	88050	88070	4	FM MALFUNCTION
046	27		1938		CTD		19	256		56	586	290	250	250	5				
047	27		1949		NET		19	303	✓	56	875	320	250	250	15	88070	89680	3	WINDY & CURRENT
051	30		2240		CTD		17	033	125	02	486	425	250	250	0				
052	30	✓	2252		NET		17	023		02	460	427	250	250	0	89680	90850	4	
054	31	14	0204		CTD		18	341		18	759	117	110	110	10				STRONG CURRENT
055	31		0214		NET		18	270		18	990	110	100	100	20	90850	91440	3	
061	36	✓	1926	✓	CTD	✓	22	123	✓	22	123	203	190	190	0				OKISOLLO

NOTES: FLOWMETER# 6069 known problematic, stops working sometimes, 050 SET 30 CANCELLED DUE TO WHALE ACTIVITY

CTD/PLANKTON NET TOW LOG

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Cruise #: 2019-053

Institution: PBS ,Net#: 01

Month: SEPT.

Tow Type: Bongo VNH

Recorder: YJ

Flowmeter Serial#: 60691

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Wire Angle	Flowmeter Start	Flowmeter Finish	Sampling Condition*	Note
						D	M	S	D	M	S								
062	36	14	1937	BE	NET	50	22	087	125	22	159	208	200	200	0	91440	92560	3	
065	38		2223		CTD		23	438		20	593	203	190	190	0				
066	38	✓	2235		NET		23	459		20	599	205	190	190	10	92560	93010	3	NONFLOWMETER SIDE FLIPPED DUE TO STRONG CURRENT
068	39	15	0018		CTD		17	526		19	809	103	90	90	0				
069	39	1	0026		NET	✓	17	500	✓	19	782	103	90	90	0	93010	93520	4	
072	41		1740		CTD	49	58	909	124	59	371	150	140	140	5				CURRENT
073	41		1749		NET	✓	59	034	✓	59	436	144	130	130	5	93520	94438	4	
076	43		1940		CTD	50	01	690	125	05	817	274	250	250	0				
077	43		1953		NET		01	696		05	900	275	250	250	0	94438	95730	4	
082	47		2341		CTD		10	270		00	380	504	250	250	0				
083	47	✓	2355		NET	✓	10	224		00	239	487	250	250	5	95730	94760	3	FM MALFUNCTION.
087	50	16	1622		CTD	49	55	806		01	230	255	240	240	5				
088	50		1633		NET		55	800		01	476	280	250	250	5	94760	96120	4	
092	53	✓	1942	✓	CTD		51	219		01	493	102	90	90	0				START RECORDING BO EN
			1946	BO			51	194		01	521	98			0				
✓			1948	EN	✓		51	182		01	541	90	✓	✓	0				DATA DOWNLOAD Vmax=11.1
093			1953	BE	NET			404			521	119	100	100	5	96120	97350	4	BOAT TURNED END FLIPPED
			1955	BO				393			582	116			40				END RINCED RE-DONE
✓			1957	EN	✓			393			594	-			5				
			2003	BE	NET			416			669	109	100	100	0	97350	97970	4	TAKE#2
			2005	BO				417			686	107			0				
✓	✓		2007	EN	✓		✓	417	✓	✓	695	105	✓	✓	0				
097	56	✓	2319	BE	CTD		53	812	124	53	036	253	240	240	0				
			2321	BO				883			086	253			0				
✓	✓	✓	2328	EN	✓	✓	✓	923	✓	✓	126	253	✓	✓	0				

NOTES: 067 SET 39 CANCELLED DUE TO WHALE ACTIVITY

CTD/PLANKTON NET TOW LOG

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Cruise #: 2019-053

Institution: PBS

Net#: 01

Month: SEPT

Tow Type: Bongo VNH

Recorder: YJ

Flowmeter Serial#: 6069

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Wire Angle	Flowmeter Start	Flowmeter Finish	Sampling Condition*	Note
						D	M	S	D	M	S								
098	56	16	2330	BE	NET	49	53	940	124	53	152	253	240	240	0	97970	98012	4	
↓	↓	↓	2335	BO	↓		54	000			210	251	↓	↓	5				
↓	↓	↓	2339	EN	↓		↓	042		↓	255	251	↓	↓	10				
101	58	17	0152	BE	CTD		48	663		45	157	228	220	220	0				WINDY
↓	↓	↓	0157	BO	↓			698			263	224	↓	↓	5				
↓	↓	↓	0200	EN	↓			722			346	220	↓	↓	15				
102			0202	BE	NET			734			390	220	210	210	0	98012	99495	3	
↓	↓	↓	0207	BO	↓			714			531	220	↓	↓	10				
↓	↓	↓	0210	EN	↓		↓	885		↓	528	220	↓	↓	20				DAS
04	59		1619	BE	CTD		46	023		08	784	405	250	250	0				TRON W ND JARVIS INLET
↓	↓	↓	1625	BO	↓			018			905	410	↓	↓	5				30-35 knot
↓	↓	↓	1629	EN	↓			015		↓	983	415	↓	↓	5				
105			1631	BE	NET		↓	009		09	028	404	↓	↓	10	99520	10117	2	STRONG W ND
↓	↓	↓	1635	BO	↓		45	984			166	371	↓	255	20				
↓	↓	↓	1640	EN	↓		↓	958	↓	↓	275	322	↓	↓	40				DA
109	62		1946	BE	CTD		49	007	123	55	516	679	250		0				ONS W D
↓	↓	↓	1952	BO	↓		48	888			650	679	↓	250	5				
↓	↓	↓	1956	EN	↓			815			737	679	↓	↓	10				
110			1957	BE	NET			783			714	79	250		0	1170	1242	3	N N
↓	↓	↓	2002	BO	↓			689			895	79	↓	250	5				
↓	↓	↓	2008	EN	↓		↓	616		↓	996	679	↓	↓	30				DAS
112	63		2206	BE	CTD		54	141		54	886	664	250		0				
↓	↓	↓	2213	BO	↓			092			741		↓	250	5				
↓	↓	↓	2217	EN	↓			066			664		↓	↓	0				
↓	↓	↓	2218	BE	NET	↓	↓	055	↓	↓	627	↓	250		0	1242	2700	3	

NOTES:

*Time Code: BE/EN, Event Type: CTD NET SET, Sampling conditions 0-5 scale. 0: cancelled due to conditions; 1-4: sub-optimal due to conditions; 5: perfect, Bongo ends - A: flowmeter side, 8/1.7/1.0/0.25 mm, frozen; B: non flowmeter side, picked

CTD/PLANKTON NET TOW LOG

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Cruise #: 2014-053

Institution: PBS

Net#: 01

Month: SEPT

Tow Type: Bongo VNH

Recorder: YJ

Flowmeter Serial#: 6069

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Wire Angle	Flowmeter Start	Flowmeter Finish	Sampling Condition*	Note
						D	M	S	D	M	S								
113	63	17	2223	BO	NET	49	54	019	123	54	524	664	250	250	0				
↓	↓	↓	2227	EN	NET	↓	↓	993	↓	↓	450	↓			5				
118	67	18	1657	BE	CTD		41	631	124	19	197	320	250	250	5				CURRENT "OPEN"
↓	↓	↓	1703	BO	↓			656			204	↓			5				
↓	↓	↓	1707	EN	↓			674			223	↓			5				
119			1709	BE	NET			684			239	↓			5	2700	3912	4	
↓	↓	↓	1713	BO	↓			728			262	↓			5				
↓	↓	↓	1718	EN	↓		↓	749		↓	277	↓	↓	↓	5				
123	70		2039	BE	CTD		45	963		28	734	320	250	250	0				CURRENT
↓	↓	↓	2045	BO	↓			934			763	↓			5				Vmax = 11.4
↓	↓	↓	2049	EN	↓			934			768	↓			5				
124			2051	BE	NET			923			775	↓			5	3912	3925*	4	FM MALFUNCTION
↓	↓	↓	2055	BO	↓			919			808	↓			5				
↓	↓	↓	2100	EN	↓		↓	899		↓	821	↓	↓	↓	5				
128	73	19	0023	BE	CTD		52	203		36	513	133	120	120	0				
↓	↓	↓	0027	BO	↓			180			545	↓			0				
↓	↓	↓	0029	EN	↓			176			550	140	↓	↓	0				
129			0031	BE	NET			169			550	141	130	130	0	3925	3940*	4	FM MALFUNCTION
↓	↓	↓	0033	BO	↓			161			547	↓			0				
↓	↓	↓	0035	EN	↓		↓	155		↓	543	↓	↓	↓	0				
132	75		1626	BE	CTD		46	744		42	489	204	200	200	0				
↓	↓	↓	1632	BO	↓			721			491	↓			0				
↓	↓	↓	1635	EN	↓			713			48	203	↓	↓	0				
133			1636	BE	NET		↓	711			480	↓	190	190	0	3940	3990*	3	FM MALFUNCTION
↓	↓	↓	1640	BO	↓		↓	703		↓	46	↓	↓	↓	0				

NOTES:

*Time Code: BE/EN, Event Type: CTD NET SET, Sampling conditions 0-5 scale. 0: cancelled due to conditions; 1-4: sub-optimal due to conditions; 5: perfect, Bongo ends - A: flowmeter side, B: 1.7/1.0/0.25 mm, frozen; B: non flowmeter side, picked

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Cruise #: 2019-053

Institution: PBS

Net#: 01

Month: SEPT

Tow Type: Bongo VNH

Recorder: YJ

Flowmeter Serial#: 6069

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Wire Angle	Flowmeter Start	Flowmeter Finish	Sampling Condition*	Note
						D	M	S	D	M	S								
133	75	19	1644	EN	NET	49	46	697	124	42	453	203	190	190	0		3440	3	
137	78	1	2007	BE	CTD	1	40	733	1	47	117	108	100	100	0				
↓			2010	BO	↓			733			131	109			0				
↓			2011	EN	↓			734			139	110			0				
138			2013	BE	NET			734			154	110			0	3990	4115*	4	FM malfunction
↓			2015	BO	↓			733			165	110			0				
↓	↓		2016	EN	↓	↓		733	↓		171	110	↓	↓	0				
140	79		2125	BE	CTD		38	635		45	262	137	130	130	0				
↓			2130	BO	↓			618			283				0				
↓			2131	EN	↓			610			294				0				
141			2133	BE	NET			604			303				0	4115	4775	4	POSSIBLE FABRIC FROM NET HAS BEEN TANGLED IN FLOWMETER PROPELLER
↓			2135	BO	↓			599			311				0				
↓	↓	↓	2137	EN	↓	↓		594	↓		316	↓	↓	↓	0				
145	82	20	0013	BE	CTD		40	474		40	421	199	190	190	0				DOWNLOAD VMODM=11.1
↓			0018	BO	↓			445			357	197			5				
↓			0020	EN	↓			414			355	194	↓	↓	0				
146			0022	BE	NET			404			352	194	180	180	0	4775	5165	4	
↓			0026	BO	↓			373			347	192			5				
↓	↓		0029	EN	↓	↓		360	↓		341	192	↓	↓	5				
151	86	20	1646	BE	CTD		37	245		28	480	329	250	250	0				
↓			1652	BO	↓			248			528				0				
↓			1655	EN	↓			252			559				0				
152			1657	BE	NET			252			590				0	5165	6360	4	FM malfunction
↓			1701	BO	↓			257			639				0				
↓	↓	↓	1705	EN	↓	↓	↓	265	↓	↓	684	↓	↓	↓	0				

NOTES: 139 Set 79 cancelled due to whale activity

CTD - BONGO NET TOW LOG

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Survey: 2019-053

Institution: PBS

Month: SEPT

Net#: 01

Flowmeter Serial#: 6069

Event	Station	Day	Time (UTC)	Time Code	Event Type	Latitude		Longitude		Bottom Depth	Target Depth	Wire Out	Angle	Flow Meter	Sampling Condition	Comment
157	90	20	2143	BE	CTD	49	31 580	124	27 870	189	180	180	0			
↓			2148	BO	↓		589		853	187	↓	↓	0			
↓			2150	EN	↓		586		837	186	↓	↓	0			
158			2153	BE	NET		585		820		175	175	0	6360	4	
↓			2156	BO	↓		585		786	↓	↓	↓	5			
↓	↓		2159	EN	↓		592		732	↓	↓	↓	5	7220		
161	92		2348	BE	CTD	29	173	34	205	106	100	100	0			
↓			2352	BO	↓		174		224	101	↓	↓	0			
↓			2354	EN	↓		174		235	101	↓	↓	5			
162			2355	BE	NET		176		250		90	90	0	7220	4	
↓			2357	BO	↓		177		270	↓	↓	↓	0			
↓	↓	↓	2359	EN	↓		177	↓	278	↓	↓	↓	5	7690		
166	95	21	2028	BE	CTD	25	110	33	107	437	250	250	0			BOTTOM DEPTH MIS READ WINDY
↓			2033	BO	↓		122		213	135	↓	↓	5			
↓			2037	EN	↓		125		290	134	↓	↓	5			DOWNLOAD Vmain=10.9
167			2040	BE	NET		124		387		120	120	0	7690	3	
↓			2042	BO	↓		123		433	↓	↓	↓	5			
↓	↓		2044	EN	↓		126	↓	518	↓	↓	↓	10	8400		DAS
170	97		2236	BE	CTD	22	468	25	966	100	90	90	0			
↓			2239	BO	↓		482		015	100	↓	↓	0			
↓			2241	EN	↓		483		061	101	↓	↓	0			
171			2242	BE	NET		484		073	↓	↓	↓	0	8400	3	
↓			2244	BO	↓		482		118	↓	↓	↓	0			
↓	↓	↓	2246	EN	↓		480	↓	147	↓	↓	↓	5	8930		
173	98	22	0020	BE	CTD	25	262	23	150	348	250	250	5			Strong wind
↓			0025	BO	↓		281		230	↓	↓	↓	5			
↓			0029	EN	↓		291		292	↓	↓	↓	5			
174			0030	BE	NET		296		319	↓	↓	↓	5	8930	2	
↓			0034	BO	↓		310		400	↓	↓	↓	5			
↓	↓	↓	0039	EN	↓		320	↓	450	↓	↓	↓	5	9660		

*Time Code: BE/EN, Event Type: CTD NET SET, Sampling conditions are judged on a 0-5 scale. 0: cancelled due to weather/sea conditions; 1-4: sub-optimal due to conditions; 5: perfect conditions. Bongo ends - A: flowmeter side, 8/1.7/1.0/0.25 mm, frozen; B: non flowmeter side, picked

CTD - BONGO NET TOW LOG

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Survey: 2019-053

Institution: PBS

Month: SEPT

Net#: 01

Flowmeter Serial#: 6069

Event	Station	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Angle	Flow Meter	Sampling Condition	Comment
178	101	22	1841	BE	CTD	49	24	629	124	19	386	349	250	250	5			
↓	↓	↓	1846	BO	↓			626			467							
↓	↓	↓	1850	EN	↓			624			544							
179	↓	↓	1852	BE	NET			620			586					9686	3	WINDY
↓	↓	↓	1856	BO	↓			609			668							
↓	↓	↓	1900	EN	↓			610			756	↓	↓	↓	↓	10040		
184	105		2251	BE	CTD		28	407		07	488	227	220	220	0			
↓	↓	↓	2256	BO	↓			449			498	225	↓	↓	0			
↓	↓	↓	2259	EN	↓			466			509	221	↓	↓	0			
185			2300	BE	NET			480			516	↓	210	210	0	10040	4	
↓	↓	↓	2304	BO	↓			504			531	↓	↓	↓	5			
↓	↓	↓	2308	EN	↓			524	↓	↓	554	↓	↓	↓	5	12090		
189	108	23	1806	BE	CTD		10	504	123	40	990	192	180	180	0			
↓	↓	↓	1810	BO	↓			556			986				0			
↓	↓	↓	1813	EN	↓			581			983				0			
190	↓	↓	1814	BE	NET			593			981				5	12090	3	
↓	↓	↓	1817	BO	↓			633			977				5			
↓	↓	↓	1820	EN	↓			661			987	↓	↓	↓	5	13022		
193	110		2201	BE	CTD		04	739		36	424	176	160	160	0			WINDY
↓	↓	↓	2205	BO	↓			747			508	175	↓	↓	5			
↓	↓	↓	2207	EN	↓			760			544	174	↓	↓	5			
194	↓	↓	2208	BE	NET			768			571	174	↓	↓	0	13022	2	
↓	↓	↓	2211	BO	↓			785			626	170	↓	↓	5			
↓	↓	↓	2213	EN	↓			809			662	170	↓	↓	15	13932		DAS
196	111		2342	BE	CTD		08	335		34	126	206	190	190	5			STRONG WIND
↓	↓	↓	2346	BO	↓			358			190	204	↓	↓	5			NO DATA POSSIBLY DUE TO LOW BAT
↓	↓	↓	2349	EN	↓			374			237	200	↓	↓	5			
197	↓	↓	2350	BE	NET			387			267	↓	↓	↓	5	13932	2	
↓	↓	↓	2354	BO	↓			406			346	↓	↓	↓	10			
↓	↓	↓	2357	EN	↓			426	↓	↓	398	↓	↓	↓	10	15000		

CTD - BONGO NET TOW LOG

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Survey: 2019-053 Institution: PBS Month: SEPT Net#: 01 Flowmeter Serial#: 6069

Event	Station	Day	Time (UTC)	Time Code	Event Type	Latitude		Longitude		Bottom Depth	Target Depth	Wire Out	Angle	Flow Meter	Sampling Condition	Comment
200	113	24	1601	BE	CTD	49.01	758	123.15	801	92	80	80	0			BAT CHANGE DOWNLOAD
↓	↓	↓	1604	BO	↓	↓	764	↓	790	92	↓	↓	5			
↓	↓	↓	1605	EN	↓	↓	767	↓	785	91	↓	↓	0			
201	↓	↓	1607	BE	NET	↓	773	↓	775	↓	↓	↓	5	15170	4	
↓	↓	↓	1609	BO	↓	↓	772	↓	773	↓	↓	↓	5			
↓	↓	↓	1610	EN	↓	↓	762	↓	774	↓	↓	↓	5	15480		
206	117	↓	2117	BE	CTD	48.57	729	↓	776	103	90	90	5			
↓	↓	↓	2121	BO	↓	↓	748	↓	880	102	↓	↓	10			
↓	↓	↓	2122	EN	↓	↓	760	↓	866	101	↓	↓	0			
207	↓	↓	2123	BE	NET	↓	767	↓	953	↓	↓	↓	5	15480	4	
↓	↓	↓	2125	BO	↓	↓	780	↓	006	↓	↓	↓	10			
↓	↓	↓	2126	EN	↓	↓	790	↓	042	↓	↓	↓	15	15985		
211	120	25	0108	BE	CTD	49.17	6	↓	155	191	180	180	0			
↓	↓	↓	0112	BO	↓	↓	117	↓	098	188	↓	↓	5			
↓	↓	↓	0115	EN	↓	↓	096	↓	056	186	↓	↓	0			
212	↓	↓	0117	BE	NET	↓	076	↓	020	186	170	170	0	15985	4	
↓	↓	↓	0120	BO	↓	↓	054	↓	03	970	↓	↓	5			
↓	↓	↓	0123	EN	↓	↓	041	↓	920	↓	↓	↓	5	16830		
215	122	↓	1559	BE	CTD	↓	880	124.20	969	109	100	100	0			
↓	↓	↓	1602	BO	↓	↓	886	↓	019	110	↓	↓	0			
↓	↓	↓	1603	EN	↓	↓	892	↓	034	↓	↓	↓	0			
216	↓	↓	1605	BE	NET	↓	895	↓	048	↓	↓	↓	0	16830	4	
↓	↓	↓	1607	BO	↓	↓	906	↓	065	↓	↓	↓	0			
↓	↓	↓	1609	EN	↓	↓	912	↓	084	↓	↓	↓	5	17205		
220	125	↓	2038	BE	CTD	20.35	2	123.53	104	134	120	120	0			
↓	↓	↓	2041	BO	↓	↓	332	↓	52	974	↓	↓	0			
↓	↓	↓	2043	EN	↓	↓	314	↓	905	↓	↓	↓	0			
221	↓	↓	2045	BE	NET	↓	293	↓	814	↓	↓	↓	0	17205	4	
↓	↓	↓	2048	BO	↓	↓	266	↓	698	↓	↓	↓	0			
↓	↓	↓	2050	EN	↓	↓	246	↓	615	↓	↓	↓	0	17810		

Flowmeter Serial#: 6069

Survey: 2014-053			Institution: PBS		Month: SEP		Net#: 01		Flowmeter Serial:							
Event	Station	Day	Time (UTC)	Time Code	Event Type	Latitude		Longitude		Bottom Depth	Target Depth	Wire Out	Angle	Flow Meter	Sampling Condition	Comment
224	127	25	2250	BE	CTD	48	18 994	123	42 134	166	160	160	0			
↓	↓	↓	2253	BO	↓		955		075	↓		↓	0			
↓	↓	↓	2256	EN	↓		935		035	↓		↓	0			
225	↓	↓	2257	BE	NET		921		011	167		↓	0	17810	4	
↓	↓	↓	2301	BO	↓		890		41 954	↓		↓	5			
↓	↓	↓	2303	EN	↓		862		408	↓	↓	↓	0	18638		
227	128	26	1554	BE	CTD		43 751		17 585	107	100	100	0			
↓	↓	↓	1558	BO	↓		743		562	↓		↓	5			
↓	↓	↓	1559	EN	↓		737		532	112		↓	0			
228	↓	↓	1600	BE	NET		723		519	113		↓	0	18638	4	
↓	↓	↓	1603	BO	↓		764		514	113		↓	5			
↓	↓	↓	1604	EN	↓		691		510	114	↓	↓	0	19136		
231	130		1848	BE	CTD		379		25 872	80	70	70	0			
↓	↓	↓	1851	BO	↓		376		888	↓		↓	0			
↓	↓	↓	1852	EN	↓		373		901	↓		↓	0			
232	↓	↓	1853	BE	NET		367		920	↓		↓	0	19136	5	
↓	↓	↓	1854	BO	↓		360		941	↓		↓	0			
↓	↓	↓	1856	EN	↓		355		959	↓	↓	↓	0	19495		
235	132		2051	BE	CTD		787		32 541	101	90	90	0			
↓	↓	↓	2054	BO	↓		802		577	108	↓	↓	0			
↓	↓	↓	2055	EN	↓		813		590	108	↓	↓	0			
236	↓	↓	2057	BE	NET		830		616	111	100	100	0	19495	5	
↓	↓	↓	2059	BO	↓		845		690	118	↓	↓	0			
↓	↓	↓	2100	EN	↓		854		669	119	↓	↓	0	20000		
240	135		2341	BE	CTD		48 707		31 530	123	110	110	0			
↓	↓	↓	2345	BO	↓		689		520	120	↓	↓	5			
↓	↓	↓	2346	EN	↓		677		513	113	↓	↓	0			
241	↓	↓	2348	BE	NET		661		503	↓	100	100	0	20000	4	
↓	↓	↓	2350	BO	↓		642		488	↓	↓	↓	5			
↓	↓	↓	2352	EN	↓		629		482	↓	↓	↓	0	20025		

CTD - BONGO NET TOW LOG

Survey: 2019-053 Institution: PBS Month: SEPT Net#: 01 Flowmeter Serial#: 6069

Event	Station	Day	Time (UTC)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Angle	Flow Meter	Sampling Condition	Comment
243	136	27	0103	BE	CTD	48	54	916	123	39	267	108	100	100	0			
↓	↓	↓	0106	BO	↓	↓	↓	890	↓	↓	278	107	↓	↓	0			
↓	↓	↓	0108	EN	↓	↓	↓	884	↓	↓	278	105	↓	↓	0			
244	↓	↓	0109	BE	NET	↓	↓	879	↓	↓	274	↓	90	90	0	20025	5	
↓	↓	↓	0111	BO	↓	↓	↓	878	↓	↓	266	↓	↓	↓	0			
↓	↓	↓	0113	EN	↓	↓	↓	876	↓	↓	259	↓	↓	↓	0	20458		
247	138	↓	1713	BE	CTD	49	12	421	↓	19	505	157	150	150	0			WINDY
↓	↓	↓	1717	BO	↓	↓	↓	386	↓	↓	490	↓	↓	↓	5			
↓	↓	↓	1719	EN	↓	↓	↓	364	↓	↓	482	↓	↓	↓	5			
248	↓	↓	1721	BE	NET	↓	↓	342	↓	↓	475	↓	↓	↓	5	20458	2	
↓	↓	↓	1724	BO	↓	↓	↓	313	↓	↓	471	155	↓	↓	10			
↓	↓	↓	1727	EN	↓	↓	↓	296	↓	↓	460	153	↓	↓	15	21288		
251	140	↓	2013	BE	CTD	↓	16	485	↓	21	007	218	210	210	0			
↓	↓	↓	2018	BO	↓	↓	↓	449	↓	20	923	214	↓	↓	5			
↓	↓	↓	2021	EN	↓	↓	↓	428	↓	↓	875	210	↓	↓	5			
252	↓	↓	2022	BE	NET	↓	↓	416	↓	↓	859	↓	200	200	5	21288	2	
↓	↓	↓	2027	BO	↓	↓	↓	385	↓	↓	812	↓	↓	↓	15			
↓	↓	↓	2030	EN	↓	↓	↓	365	↓	↓	773	↓	↓	↓	20	22520		
255	142	↓	2302	BE	CTD	↓	26	030	↓	15	334	↓	↓	↓	0			WINDY
↓	↓	↓	2307	BO	↓	↓	↓	041	↓	↓	338	238	↓	↓	0			
↓	↓	↓	2311	EN	↓	↓	↓	033	↓	↓	336	240	↓	↓	0			
256	↓	↓	2312	BE	NET	↓	↓	032	↓	↓	340	241	230	230	0	22520	3	
↓	↓	↓	2317	BO	↓	↓	↓	035	↓	↓	360	↓	↓	↓	0			
↓	↓	↓	2321	EN	↓	↓	↓	036	↓	↓	371	↓	↓	↓	0	23628		
258	143	28	0102	BE	CTD	↓	25	025	↓	23	088	237	↓	↓	0			WINDY
↓	↓	↓	0108	BO	↓	↓	↓	980	↓	↓	155	233	↓	↓	5			
↓	↓	↓	0111	EN	↓	↓	↓	944	↓	↓	198	230	↓	↓	5			
259	↓	↓	0112	BE	NET	↓	↓	925	↓	↓	228	230	220	220	5	23628	3	
↓	↓	↓	0116	BO	↓	↓	↓	887	↓	↓	286	226	↓	↓	15			
↓	↓	↓	0119	EN	↓	↓	↓	850	↓	↓	335	220	↓	↓	30	24915		END OF SURVEY *