AR29-SE |

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Summary | Threaded -- Author -- -- Instrument -- -- Action -- **259 Entries**

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Event	dateTimeUTC	GPS_Time	Instrument	Action	Transect	Station	Cast	Latitude	Longitude	Seafloor	Author	Comment
20180416.2038.001	20180416.2038	2018/04/16 20:38:55	Ship	startCruise	NaN	NaN	NaN	41.523367	-70.672025		tCrockford1	
20180416.2211.001	20180416.2211	2018/04/16 22:11:27	Underway Science seawater	start	NaN	NaN	NaN	41.391002	-70.822908		tCrockford1	
20180416.2227.001	20180416.2227	2018/04/16 22:27:05	IFCB	start	NaN	NaN	NaN	41.391041	-70.822504		tCrockford1	
20180416.2227.002	20180416.2227	2018/04/16 22:27:19	Underway Science seawater	other	NaN	NaN	NaN	41.391043	-70.822512		jFriedman	VIMS pCO2 Start
20180416.2308.001	20180416.2308	2018/04/16 23:08:03	Attune Flow Cytometer	start	NaN	NaN	NaN	41.391028	-70.822504		tCrockford1	
20180417.0121.001	20180417.0059	2018/04/17 00:59:49	CTD911	deploy	NaN	test1	001	41.391002	-70.822522		wZhang	test vpr interference on florometer -- DAVPR off
20180417.0122.001	20180417.0120	2018/04/17 01:20:04	DAVPR	onCTD	NaN	test1	001	41.391000	-70.822521		pAlatalo1	test vpr interference on florometer -- DAVPR on
20180417.0440.001	20180417.0041	2018/04/17 00:41:04	EIMS	start	NaN	NaN	NaN	41.391010	-70.822514		zSandwith1	
20180417.0632.001	20180417.0625	2018/04/17 06:25:04	EK80	start	NaN	NaN	NaN	41.287406	-70.905693		wZhang	Turn on the active pinging
20180417.1107.001	20180417.1106	2018/04/17 11:06:04	Knudsen 3260	stop	NaN	NaN	NaN	40.721870	-70.790428		wZhang	
20180417.1331.001	20180417.1315	2018/04/17 13:15:04	CTD911	deploy	1	A5	003	40.466123	-70.829969		wZhang	DAVPR on
20180417.1441.001	20180417.1425	2018/04/17 14:25:04	CTD911	deploy	1	A6	004	40.398980	-70.829008		wZhang	DAVPR on
20180417.1445.001	20180417.1445	2018/04/17 14:45:04	EK80	start	1	A6	004	40.395794	-70.826606		wZhang	Start recording data
20180417.1557.001	20180417.1527	2018/04/17 15:27:04	CTD911	deploy	1	A7	005	40.335788	-70.829872		wZhang	DAVPR on; WS productivity water sample
20180417.1721.001	20180417.1715	2018/04/17 17:15:04	CTD911	deploy	1	A7	006	40.334233	-70.829007		wZhang	collect surface water for grazing experiment; No DAVPR
20180417.1729.001	20180417.1700	2018/04/17 16:59:49	Other	start	1	A7	NaN	40.328437	-70.825632		wZhang	ring net
20180417.1838.001	20180417.1817	2018/04/17 18:17:04	CTD911	deploy	1	A8	007	40.268287	-70.829403		wZhang	DAVPR on
20180417.1941.001	20180417.1925	2018/04/17	CTD911	deploy	1	A9	008	40.202560	-70.828205		wZhang	DAVPR on

		19:25:04										
20180417.2051.001	20180417.2024	2018/04/17 20:24:04	CTD911	deploy	1	A10	009	40.139475	-70.829072		wZhang	DAVPR on; WS productivity water sample
20180417.2203.001	20180417.2145	2018/04/17 21:45:04	CTD911	deploy	1	A11	010	40.072724	-70.828178		wZhang	DAVPR on
20180417.2324.001	20180417.2250	2018/04/17 22:50:04	CTD911	deploy	1	A12	011	40.010426	-70.826031		wZhang	DAVPR on
20180418.0114.001	20180418.0005	2018/04/18 00:05:04	CTD911	deploy	1	A13	012	39.944972	-70.829817		wZhang	Bad data; abandoned
20180418.0115.001	20180418.0035	2018/04/18 00:35:04	CTD911	deploy	1	A13	013	39.942599	-70.829671		wZhang	DAVPR on
20180418.0220.001	20180418.0155	2018/04/18 01:55:04	CTD911	deploy	1	A14	014	39.880472	-70.829740		wZhang	DAVPR on
20180418.0310.001	20180418.0310	2018/04/18 03:10:04	EK80	start	2	NaN	NaN	39.886055	-70.830544		wZhang	Overnight EK80 shoreward transit (A14-A5) starts with output file: ar29-D20180418-T030724.raw
20180418.1053.001	20180418.1030	2018/04/18 10:30:04	CTD911	deploy	3	A5	015	40.463070	-70.830172		wZhang	DAVPR on; WS productivity water sample
20180418.1104.001	20180418.1059	2018/04/18 10:59:49	EK80	stop	2	NaN	NaN	40.463056	-70.831906		wZhang	Overnight EK80 shoreward transit (A14-A5) ends with output file: ar29-D20180418-T105943.raw
20180418.1114.001	20180418.1100	2018/04/18 10:59:49	Towed VPR	deploy	3	A5	NaN	40.463056	-70.831906		wZhang	
20180418.1458.001	20180418.1043	2018/04/18 10:43:04	Underway Science seawater	service	NaN	NaN	NaN	40.463095	-70.830151		tCrockford1	stopped pump to fix leak down below
20180418.1459.001	20180418.1043	2018/04/18 10:43:04	Attune Flow Cytometer	stop	NaN	NaN	NaN	40.463095	-70.830151		tCrockford1	stopped pump to fix leak down below
20180418.1500.001	20180418.1043	2018/04/18 10:43:04	IFCB	stop	NaN	NaN	NaN	40.463095	-70.830151		tCrockford1	stopped IFCB127 while pump off to fix leak down below
20180418.1501.001	20180418.1043	2018/04/18 10:43:04	IFCB_staining	stop_underway	NaN	NaN	NaN	40.463095	-70.830151		tCrockford1	stopped while pump off to fix leak down below
20180418.1502.001	20180418.1104	2018/04/18 11:04:04	IFCB_staining	start_underway	NaN	NaN	NaN	40.463331	-70.841935		tCrockford1	
20180418.1502.002	20180418.1104	2018/04/18 11:04:04	IFCB	start	NaN	NaN	NaN	40.463331	-70.841935		tCrockford1	
20180418.1503.001	20180418.1104	2018/04/18 11:04:04	Attune Flow Cytometer	start	NaN	NaN	NaN	40.463331	-70.841935		tCrockford1	
20180418.1632.001	20180418.1615	2018/04/18 16:15:04	Towed VPR	recover	3	A14	NaN	39.866844	-70.858705		wZhang	
20180418.1733.001	20180418.1646	2018/04/18 16:46:04	CTD911	deploy	3	A14	016	39.879706	-70.829288		wZhang	DAVPR on; WS productivity water sample

20180418.1842.001	20180418.1830	2018/04/18 18:30:49	CTD911	deploy	3	A14	17	39.877396	-70.843208		zCheng	collect water from 18m for grazing experiment
20180418.1959.001	20180418.1925	2018/04/18 19:25:19	CTD911	deploy	3	A15	18	39.814881	-70.830000		zCheng	DAVPR on
20180418.2053.001	20180419.1126	2018/04/19 11:26:04	MOCNESS1/4	deploy	NaN	NaN	2	39.946619	-70.822681		pAlatalo1	tripped 3 nets for Turner,2 nets for opportunistic sampling
20180418.2128.001	20180418.2100	2018/04/18 20:59:49	CTD911	deploy	3	A16	19	39.750894	-70.829996		zCheng	DAVPR on WS water sample and Zoe water sample
20180418.2247.001	20180418.2216	2018/04/18 22:16:04	CTD911	deploy	3	A17	20	39.686486	-70.829815		zCheng	DAVPR on
20180419.0001.001	20180418.2325	2018/04/18 23:25:34	CTD911	deploy	3	A18	21	39.620842	-70.830637		zCheng	DAVPR was not used
20180419.0347.001	20180419.0201	2018/04/19 02:01:34	CTD911	deploy	4	A13	22	39.943987	-70.829534		zCheng	DAVPR off; CTD touch bottom at 488 meter. Data still looks fine
20180419.0348.001	20180419.0314	2018/04/19 03:14:04	CTD911	deploy	4	A13	23	39.943981	-70.829525		zCheng	DAVPR off; recast of A13
20180419.0442.001	20180419.0430	2018/04/19 04:30:34	CTD911	deploy	4	A12	024	40.010346	-70.830876		wZhang	DAVPR off
20180419.0528.001	20180419.0510	2018/04/19 05:10:04	CTD911	deploy	4	A11	025	40.074189	-70.830121		wZhang	DAVPR off
20180419.0612.001	20180419.0555	2018/04/19 05:55:04	CTD911	deploy	4	A10	026	40.138360	-70.828424		wZhang	DAVPR off
20180419.0659.001	20180419.0647	2018/04/19 06:47:04	CTD911	deploy	4	A9	027	40.204294	-70.830046		wZhang	DAVPR off
20180419.0746.001	20180419.0730	2018/04/19 07:30:04	CTD911	deploy	4	A8	28	40.270297	-70.830686		wZhang	DAVPR off
20180419.1105.001	20180419.1040	2018/04/19 10:40:04	CTD911	deploy	5	A13	29	39.945101	-70.829871		wZhang	
20180419.1151.001	20180419.1150	2018/04/19 11:50:04	CTD911	deploy	5	A13	030	39.948692	-70.809984		wZhang	collect grazing water 8m
20180419.1255.001	20180419.1225	2018/04/19 12:25:04	CTD911	deploy	5	A14	031	39.879968	-70.829880		wZhang	DAVPR off
20180419.1354.001	20180419.1330	2018/04/19 13:30:04	CTD911	deploy	5	A15	32	39.814780	-70.829412		wZhang	DAVPR off
20180419.1452.001	20180419.1149	2018/04/19 11:49:04	MOCNESS1/4	recover	NaN	NaN	2	39.948585	-70.809980		pAlatalo1	
20180419.1546.001	20180419.1520	2018/04/19 15:20:04	CTD911	deploy	5	A12	33	40.009741	-70.830993		wZhang	DAVPR off
20180419.1710.001	20180419.1656	2018/04/19 16:56:04	CTD911	deploy	5	A11	34	40.075560	-70.831639		zCheng	DAVPR off
20180419.1811.001	20180419.1756	2018/04/19 17:56:04	CTD911	deploy	5	A10	35	40.139998	-70.831083		zCheng	DAVPR off
20180419.1914.001	20180419.1848	2018/04/19 18:48:49	CTD911	deploy	5	A9	36	40.205272	-70.831172		zCheng	DAVPR off
20180419.2004.001	20180418.1751	2018/04/18 17:51:04	MOCNESS1/4	deploy	NaN	NaN	1	39.878983	-70.829267		pAlatalo1	tripped 3 nets for Turner,2 for Alatalo, 2 nets for

												opportunistic sampling
20180419.2006.001	20180418.1818	2018/04/18 18:18:04	MOCNESS1/4	recover	NaN	NaN	1	39.878407	-70.844287		pAlatalo1	
20180419.2017.001	20180419.2002	2018/04/19 20:02:49	CTD911	deploy	5	A8	37	40.270170	-70.831091		zCheng	DAVPR on
20180419.2112.001	20180419.2055	2018/04/19 20:55:49	CTD911	deploy	5	A7	38	40.335845	-70.831481		zCheng	DAVPR on
20180419.2205.001	20180419.2150	2018/04/19 21:50:49	CTD911	deploy	5	A6	39	40.399194	-70.829931		zCheng	DAVPR on
20180419.2257.001	20180419.2241	2018/04/19 22:41:49	CTD911	deploy	5	A5	40	40.464388	-70.830019		zCheng	DAVPR on gas sampling too
20180419.2301.001	20180419.2301	2018/04/19 23:01:49	EK80	start	6		NaN	40.464417	-70.829722		anOther	EK80 transect 6 (A5-A15) started during file ar29-D20180419-T230131.raw
20180420.0518.001	20180420.0518	2018/04/20 05:18:19	Underway Science seawater	IFCB discrete			UW1	39.955624	-70.828236		tCrockford1	from wet lab no debubbler on IFCB109
20180420.0727.001	20180420.0418	2018/04/20 04:18:04	EK80	stop	6		NaN	39.814187	-70.827437		wZhang	EK80 offshore transect 6 (A5-A15) ends with output file ar29-D20180420-T041810.raw
20180420.0730.001	20180420.0418	2018/04/20 04:18:04	EK80	start	7		NaN	39.814187	-70.827437		wZhang	EK80 onshore transect 7 (A15-A5) starts with output file ar29-D20180420-T041810.raw
20180420.0858.001	20180420.0858	2018/04/20 08:58:31	Underway Science seawater	IFCB discrete			UW2	40.457224	-70.827252		tCrockford1	IFCB109 & IFCB124 from overflow bottle main lab using debubbler
20180420.0930.001	20180420.0928	2018/04/20 09:28:04	EK80	stop	7		NaN	40.463956	-70.829396		wZhang	EK80 return onshore transect 7 (A15-A5) finishes with ar29-D20180420-T092739.raw
20180420.1055.001	20180420.1040	2018/04/20 10:40:04	CTD911	deploy	8	A5	041	40.464533	-70.830552		wZhang	DAVPR on; Walker Smith productivity sampling
20180420.1156.001	20180420.1110	2018/04/20 11:10:04	Towed VPR	deploy	8	A5	2	40.464081	-70.830817		wZhang	
20180420.1434.001	20180420.1435	2018/04/20 14:35:02	Underway Science seawater	IFCB discrete			UW3	40.078476	-70.829568		tCrockford1	IFCB109 from wet lab
20180420.1739.001	20180420.1739	2018/04/20 17:39:18	Underway Science seawater	IFCB discrete			UW4	39.768608	-70.853117		tCrockford1	IFCB124 from wet lab
20180420.1746.001	20180420.1745	2018/04/20 17:45:04	Towed VPR	recover	8	A16	2	39.783817	-70.849254		wZhang	

20180420.1902.001	20180420.1840	2018/04/20 18:40:04	CTD911	deploy	9	A14	42	39.879900	-70.829699		zCheng	DAVPR on fire bottle at 5 meter is not fired properly (bottle number 21)
20180420.2000.001	20180420.1950	2018/04/20 19:50:04	CTD911	deploy	9	A14	43	39.886459	-70.842393		zCheng	DAVPR on collect 10 water bottles at 26 meter for grazing expts
20180420.2110.001	20180420.2048	2018/04/20 20:48:19	CTD911	deploy	9	A15	44	39.814791	-70.830272		zCheng	DAVPR on
20180420.2112.001	20180420.1907	2018/04/20 19:07:04	MOCNESS1/4	deploy	NaN	NaN	3	39.880211	-70.829811		pAlatalo1	Target depths 80, 26, 1 m for Turner. VPR group takes Net 0 (0-80m)
20180420.2113.001	20180420.1927	2018/04/20 19:27:04	MOCNESS1/4	recover	NaN	NaN	3	39.884936	-70.840436		pAlatalo1	Target depths 80, 26, 1 m for Turner. VPR group takes Net 0 (0-80m)
20180420.2210.001	20180420.2145	2018/04/20 21:45:04	CTD911	deploy	9	A16	45	39.750937	-70.828631		zCheng	DAVPR on
20180420.2356.001	20180420.2330	2018/04/20 23:30:19	CTD911	deploy	9	A13	46	39.944013	-70.828774		zCheng	DAVPR on; bad profile with strong density inversion likely due to clogged gas escape pipe
20180421.0056.001	20180421.0038	2018/04/21 00:38:49	CTD911	deploy	9	A12	47	40.009307	-70.829451		zCheng	DAVPR on; bad profile with strong density inversion likely due to clogged gas escape pipe
20180421.0147.001	20180421.0130	2018/04/21 01:30:19	CTD911	deploy	9	A11	48	40.074612	-70.831272		zCheng	DAVPR on; bad profile with strong density inversion likely due to clogged gas escape pipe
20180421.0221.001	20180421.0141	2018/04/21 01:41:04	ADCP150	start	9	A11	NaN	40.074448	-70.831342		wZhang	OS150 with the setting of 4m bins and 4m blanking starts
20180421.0236.001	20180421.0221	2018/04/21 02:21:34	CTD911	deploy	9	A10	49	40.139384	-70.829171		zCheng	DAVPR on; bad profile with strong density inversion likely due to clogged gas escape pipe
20180421.0326.001	20180421.0310	2018/04/21 03:10:04	CTD911	deploy	9	A9	50	40.204318	-70.829750		zCheng	DAVPR on; ; bad profile with strong density inversion likely due to clogged gas escape pipe

20180421.0413.001	20180421.0400	2018/04/21 04:00:34	CTD911	deploy	9	A8	51	40.270009	-70.829568		zCheng	DAVPR on; bad profile with strong density inversion likely due to clogged gas escape pipe
20180421.0509.001	20180421.0450	2018/04/21 04:50:34	CTD911	deploy	9	A7	52	40.333981	-70.830528		wZhang	DAVPR on; Surface salinity is too low, likely caused by pump not being on at the beginning
20180421.0510.001	20180421.0459	2018/04/21 04:59:34	CTD911	deploy	9	A7	53	40.333965	-70.830576		wZhang	DAVPR on; Recast of 52; salinity profiles look reasonable
20180421.0605.001	20180421.0540	2018/04/21 05:40:04	CTD911	deploy	9	A6	54	40.399819	-70.829802		wZhang	DAVPR on; Surface salinity is too low again, likely caused by pump not being on at the beginning
20180421.0606.001	20180421.0550	2018/04/21 05:50:04	CTD911	deploy	9	A6	55	40.400016	-70.829527		wZhang	DAVPR on; Recast of 53; the salinity looks reasonable
20180421.0655.001	20180421.0640	2018/04/21 06:40:04	CTD911	deploy	10	A5	056	40.464490	-70.830097		anOther	DAVPR on; following pump/line inspection by SSSG
20180421.0742.001	20180421.0730	2018/04/21 07:30:04	CTD911	deploy	10	A6	057	40.399554	-70.830347		wZhang	DAVPR on
20180421.0842.001	20180421.0820	2018/04/21 08:20:04	CTD911	deploy	10	A7	058	40.333537	-70.830680		wZhang	DAVPR on
20180421.0935.001	20180421.0917	2018/04/21 09:17:04	CTD911	deploy	10	A8	059	40.269020	-70.831512		wZhang	DAVPR on
20180421.1053.001	20180421.1030	2018/04/21 10:30:04	CTD911	deploy	10	A9	060	40.205024	-70.829947		wZhang	DAVPR on
20180421.1147.001	20180421.1147	2018/04/21 11:47:04	CTD911	deploy	10	A9	61	40.220938	-70.844081		wZhang	DAVPR on; collecting grazing water at 6 m
20180421.1300.001	20180421.1100	2018/04/21 10:59:49	MOCNESS1/4	deploy	NaN	NaN	4	40.204383	-70.831268		pAlatalo1	Nets 1,3,5, tripped at 57,6, and 1m for Turner.
20180421.1301.001	20180421.1130	2018/04/21 11:30:04	MOCNESS1/4	recover	NaN	NaN	4	40.219723	-70.842159		pAlatalo1	Depths sampled 1,6,57m.
20180421.1317.001	20180421.1259	2018/04/21 12:59:49	CTD911	deploy	10	A10	062	40.139417	-70.829781		wZhang	DAVPR on; gas sampling
20180421.1409.001	20180421.1358	2018/04/21 13:58:04	CTD911	deploy	10	A11	063	40.074342	-70.830133		wZhang	DAVPR on
20180421.1510.001	20180421.1450	2018/04/21 14:50:04	CTD911	deploy	10	A12	064	40.010842	-70.829570		wZhang	DAVPR on
20180421.1608.001	20180421.1550	2018/04/21	CTD911	deploy	10	A13	065	39.945699	-70.829731		wZhang	DAVPR on

		15:50:04										
20180421.1710.001	20180421.1639	2018/04/21 16:39:34	CTD911	deploy	10	A14	66	39.880291	-70.829640		zCheng	DAVPR on
20180421.1810.001	20180421.1741	2018/04/21 17:41:19	CTD911	deploy	10	A15	67	39.814572	-70.830530		zCheng	DAVPR on
20180421.1913.001	20180421.1845	2018/04/21 18:45:19	CTD911	deploy	10	A16	68	39.749535	-70.831152		zCheng	DAVPR on
20180422.0238.001	20180421.1931	2018/04/21 19:31:04	Towed VPR	deploy	11		3	39.750895	-70.840366		pAlatalo1	Strobe failed. Environmental Sensor survey only
20180422.0240.001	20180421.2249	2018/04/21 22:49:04	Towed VPR	recover	11		3	40.110873	-70.841803		pAlatalo1	Environmental Sensor survey.
20180422.0522.001	20180422.0522	2018/04/22 05:22:37	Underway Science seawater	IFCB discrete			UW5	40.382738	-71.045905		tCrockford1	IFCB124 wet lab & IFCB109 main lab
20180422.0654.001	20180421.1711	2018/04/21 17:11:04	EK80	stop	10	NaN	NaN	39.880117	-70.830110		wZhang	EK80 stop working after some error
20180422.0659.001	20180421.1902	2018/04/21 19:02:04	EK80	start	10	NaN	NaN	39.748397	-70.831881		wZhang	EK80 start working after Chris fixed the display depth (ar29.D20180421-T190229.raw)
20180422.0930.001	20180422.0916	2018/04/22 09:16:04	CTD911	deploy	13	A5	069	40.464875	-70.829048		wZhang	DAVPR on
20180422.1045.001	20180422.1030	2018/04/22 10:30:04	CTD911	deploy	13	A6	070	40.400210	-70.829253		wZhang	DAVPR on; Walker Smith productivity sampling and gas sampling
20180422.1141.001	20180422.1130	2018/04/22 11:30:04	CTD911	deploy	13	A7	071	40.335554	-70.832214		wZhang	DAVPR on
20180422.1232.001	20180422.1220	2018/04/22 12:20:04	CTD911	deploy	13	A8	072	40.268399	-70.831762		wZhang	DAVPR on
20180422.1319.001	20180422.1305	2018/04/22 13:05:04	CTD911	deploy	13	A9	073	40.203533	-70.829774		wZhang	DAVPR on
20180422.1401.001	20180422.1350	2018/04/22 13:50:04	CTD911	deploy	13	A10	74	40.138647	-70.829955		wZhang	DAVPR on
20180422.1453.001	20180422.1442	2018/04/22 14:42:04	CTD911	deploy	13	A11	75	40.074929	-70.830962		wZhang	DAVPR on
20180422.1545.001	20180422.1522	2018/04/22 15:22:34	CTD911	deploy	13	A12	76	40.010775	-70.829150		zCheng	DAVPR on;observed density inversion around 22-27m
20180422.1602.001	20180421.0140	2018/04/21 01:40:04	ADCP150	stop	9	A11		40.074494	-70.831331		wZhang	ADCP150 with the setting of 12m bins and 16m blanking was stopped to change to 4m bins and 4m blanking
20180422.1645.001	20180422.1613	2018/04/22 16:13:04	CTD911	deploy	13	A13	77	39.945806	-70.829474		zCheng	DAVPR on;incubation
20180422.1741.001	20180422.1726	2018/04/22 17:26:49	CTD911	deploy	13	A13	78	39.958009	-70.846368		zCheng	DAVPR -water collected at 25 m

												for grazing
20180422.1933.001	20180422.1306	2018/04/22 13:06:04	MOCNESS1/4	deploy			5	40.203463	-70.829797		pAlatalo1	Nets 1,4,6 to Turner sampling 57m,25m,1m
20180422.1934.001	20180422.1329	2018/04/22 13:29:04	MOCNESS1/4	recover			5	40.184260	-70.830261		pAlatalo1	Target depths 57,25,1m
20180422.1935.001	20180422.1859	2018/04/22 18:59:49	Towed VPR	deploy	14		4	39.748392	-70.831487		pAlatalo1	Strobe deactivated. No imaging, environmental sampling only
20180423.0057.001	20180423.0040	2018/04/23 00:40:04	CTD911	deploy	15	B1	79	40.279183	-70.832497		zCheng	DAVPR on; this is an extra station; named extA1 in the CTD head file; name corrected to B1
20180423.0159.001	20180423.0135	2018/04/23 01:35:49	CTD911	deploy	15	B2	80	40.245646	-70.837042		zCheng	DAVPR on;second extra station
20180423.0258.001	20180423.0236	2018/04/23 02:36:49	CTD911	deploy	15	B3	81	40.175456	-70.840219		zCheng	DAVPR on;third extra station
20180423.0520.001	20180423.0520	2018/04/23 05:20:29	Underway Science seawater	IFCB discrete			UW5	39.831687	-70.648323		tCrockford1	IFCB124 main lab post debubbler while same time IFCB109 no debubbler
20180423.0637.001	20180423.0637	2018/04/23 06:37:32	Underway Science seawater	IFCB discrete			UW6	39.749937	-70.766293		tCrockford1	IFCB124 main lab no debubbler; IFCB109 debubbler
20180423.0638.001	20180423.0130	2018/04/23 01:30:19	Underway Science seawater	start				40.245650	-70.837048		tCrockford1	
20180423.0709.001	20180423.0050	2018/04/23 00:50:04	Underway Science seawater	service				40.279179	-70.832508		tCrockford1	clean strainer; change all Sosik instr supply to pre-debubbler
20180423.0941.001	20180423.0915	2018/04/23 09:15:04	CTD911	deploy	16	A16	082	39.749270	-70.829690		wZhang	DAVPR on
20180423.1133.001	20180423.1059	2018/04/23 10:59:49	CTD911	deploy	16	A13	083	39.945240	-70.830094		wZhang	DAVPR on; Walker Smith productivity sampling and gas sampling
20180423.1216.001	20180423.1209	2018/04/23 12:09:04	CTD911	deploy	16	A13	084	39.944900	-70.847644		wZhang	DAVPR on; for collecting grazing water at 14 m
20180423.1319.001	20180423.1250	2018/04/23 12:50:04	CTD911	deploy	16	A14	085	39.878294	-70.828592		wZhang	DAVPR on
20180423.1421.001	20180423.1355	2018/04/23 13:55:04	CTD911	deploy	16	A15	086	39.814671	-70.831070		wZhang	DAVPR on
20180423.1603.001	20180423.1540	2018/04/23 15:40:04	CTD911	deploy	16	A12	087	40.009324	-70.830834		wZhang	DAVPR on; Walker Smith productivity sampling and gas sampling at the surface

20180423.1727.001	20180423.1707	2018/04/23 17:07:19	CTD911	deploy	16	A11	88	40.074969	-70.830047		zCheng	DAVPR on
20180423.1745.001	20180423.1152	2018/04/23 11:52:04	MOCNESS1/4	deploy			6	39.943959	-70.840541		pAlatalo1	Target depths for Turner: 33m, 14m, 0m. Flat calm, sunny.
20180423.1747.001	20180423.1202	2018/04/23 12:02:04	MOCNESS1/4	recover			6	39.945027	-70.846970		pAlatalo1	Target depths for Turner: 33m, 14m, 0m. Flat calm, sunny.
20180423.1817.001	20180423.1803	2018/04/23 18:03:04	CTD911	deploy	16	A10	89	40.140394	-70.829892		zCheng	DAVPR on; bottle 13 at 10 meter not fired properly
20180423.2100.001	20180423.1851	2018/04/23 18:51:34	CTD911	deploy	16	A9	90	40.204693	-70.830452		zCheng	DAVPR on
20180423.2101.001	20180423.1955	2018/04/23 19:55:04	CTD911	deploy	16	A8	91	40.271310	-70.830050		zCheng	DAVPR on
20180423.2102.001	20180423.2039	2018/04/23 20:39:34	CTD911	deploy	16	A7	92	40.335077	-70.829421		zCheng	DAVPR on;bottle 16 at surface not fired properly
20180423.2157.001	20180423.2144	2018/04/23 21:44:49	CTD911	deploy	16	A6	93	40.400648	-70.830759		zCheng	DAVPR on
20180423.2248.001	20180423.2233	2018/04/23 22:33:19	CTD911	deploy	16	A5	94	40.464373	-70.829918		zCheng	DAVPR on
20180423.2334.001	20180423.2322	2018/04/23 23:22:04	CTD911	deploy	16	A4	95	40.529640	-70.830509		zCheng	DAVPR on
20180424.0019.001	20180424.0005	2018/04/24 00:05:04	CTD911	deploy	16	A3	96	40.594580	-70.830582		zCheng	DAVPR on
20180424.0104.001	20180424.0048	2018/04/24 00:48:49	CTD911	deploy	16	A2	97	40.658875	-70.830853		zCheng	DAVPR on
20180424.0515.001	20180424.0048	2018/04/24 00:48:49	EK80	start	17	A2	NaN	40.658875	-70.830853		wZhang	
20180424.0642.001	20180424.0642	2018/04/24 06:42:45	Underway Science seawater	IFCB discrete			UW7	39.971866	-70.825236		tCrockford1	IFCB124 main lab no debubbler; IFCB109 debubbler
20180424.0827.001	20180424.0751	2018/04/24 07:51:04	CTD911	deploy	18	AUV1	098	39.939938	-70.890243		wZhang	DAVPR off
20180424.1415.001	20180424.1345	2018/04/24 13:45:04	CTD911	deploy	18	AL-CTD1	099	40.021701	-71.079908		wZhang	DAVPR on; realtime display stopped in the middle of upcast, but the secondary display was still going
20180424.1417.001	20180424.0751	2018/04/24 07:51:04	EK80	other	17	AUV1	NaN	39.939938	-70.890243		wZhang	EK80 overnight survey finishes
20180424.1650.001	20180424.1624	2018/04/24 16:24:04	CTD911	deploy	18	AUV2	100	40.318052	-70.890860		zCheng	DAVPR on; Walker Smith productivity sampling and gas sampling
20180424.1746.001	20180424.1746	2018/04/24 17:46:49	CTD911	deploy	18	AUV2	101	40.308623	-70.868595		zCheng	DAVPR on;grazing water collected at 53 m; bad ctd

												downcast; use upcast!
20180424.2217.001	20180424.2148	2018/04/24 21:48:34	CTD911	deploy	18	AL-CTD2	102	40.018747	-70.578943		zCheng	DAVPR on; Walker Smith productivity sampling and gas sampling; bottle 16 at 6 meter had a misfire
20180424.2225.001	20180424.1657	2018/04/24 16:57:04	MOCNESS1/4	deploy			7	40.318950	-70.890099		pAlatalo1	Target depths: 79,53,16,1m for Turner. Alatalo takes 76-53m tow.
20180424.2226.001	20180424.1729	2018/04/24 17:29:04	MOCNESS1/4	recover			7	40.308716	-70.870806		pAlatalo1	
20180425.0149.001	20180425.0127	2018/04/25 01:28:04	CTD911	deploy	19	A16	103	39.750931	-70.831124		zCheng	DAVPR on
20180425.0242.001	20180425.0216	2018/04/25 02:16:49	CTD911	deploy	19	A15	104	39.813147	-70.831101		zCheng	DAVPR on
20180425.0335.001	20180425.0312	2018/04/25 03:12:04	CTD911	deploy	19	A14	105	39.878892	-70.830613		zCheng	DAVPR on
20180425.0440.001	20180425.0410	2018/04/25 04:10:04	CTD911	deploy	19	A13	106	39.946758	-70.828644		wZhang	DAVPR on
20180425.0618.001	20180425.0507	2018/04/25 05:07:04	CTD911	deploy	19	A12	107	40.010265	-70.828893		wZhang	DAVPR on
20180425.0619.001	20180425.0600	2018/04/25 05:59:49	CTD911	deploy	19	A11	108	40.073539	-70.831912		wZhang	DAVPR on
20180425.0706.001	20180425.0650	2018/04/25 06:50:04	CTD911	deploy	19	A10	109	40.137857	-70.831111		wZhang	DAVPR on
20180425.0809.001	20180425.0740	2018/04/25 07:40:04	CTD911	deploy	19	A9	110	40.206258	-70.830147		wZhang	DAVPR battery is out at the end of the next cast; large density inversion in the surface 20 m likely caused by the thruster; repeated the cast (No. 111)
20180425.0811.001	20180425.0750	2018/04/25 07:50:04	CTD911	deploy	19	A9	111	40.206559	-70.829922		wZhang	DAVPR battery is out at the end of the cast; repeat of Cast 110
20180425.1102.001	20180425.1032	2018/04/25 10:32:04	CTD911	deploy	20	A11	112	40.075856	-70.829200		wZhang	DAVPR on; Walker Smith productivity sampling and gas sampling
20180425.1154.001	20180425.1145	2018/04/25 11:45:04	CTD911	deploy	20	A11	113	40.060580	-70.815774		wZhang	DAVPR on; for collecting grazing water at 34 m
20180425.1352.001	20180425.1107	2018/04/25 11:07:04	MOCNESS1/4	deploy	NaN	NaN	8	40.076016	-70.828833		pAlatalo1	3 nets tripped for Turner: 53,34,1m. Codends came up tangled inside net sleeve.
20180425.1353.001	20180425.1136	2018/04/25	MOCNESS1/4	recover			8	40.062562	-70.815229		pAlatalo1	Target depths

		11:36:04										53,34,1m. Cod-ends tangled in net sleeve.
20180425.1356.001	20180422.2324	2018/04/22 23:24:04	Towed VPR	recover	14		4	40.314134	-70.816807		pAlatalo1	Environmental Survey only
20180425.1357.001	20180425.1234	2018/04/25 12:34:04	Towed VPR	deploy	20		5	40.065081	-70.820411		pAlatalo1	Seas ~6'. Strobe repaired and functioning well.
20180425.1559.001	20180425.1535	2018/04/25 15:35:04	CTD911	deploy	21	A16	114	39.748246	-70.827681		wZhang	DAVPR on; Walker Smith productivity sampling and gas sampling
20180425.1742.001	20180425.1707	2018/04/25 17:07:04	CTD911	deploy	21	A15	115	39.816239	-70.827798		zCheng	DAVPR on;downcast upcast separated;upcast called 115upcast; bottle 1 on upcast a blank fire to get water sampler back into sequence, for btl1 .ros file see cast 115
20180425.1925.001	20180425.1846	2018/04/25 18:46:34	CTD911	deploy	21	A14	116	39.877152	-70.828816		zCheng	DAVPR on;par cast is still on
20180425.2057.001	20180425.2029	2018/04/25 20:29:49	CTD911	deploy	21	A13	117	39.945587	-70.830947		zCheng	DAVPR on
20180425.2201.001	20180425.1901	2018/04/25 19:01:34	Grazing Water	start	21	NaN	NaN	39.878992	-70.828135		anOther	incubator line was secured for approximately 2.5 hours starting about 1500 EST. verify time with temperature logs
20180425.2221.001	20180425.2157	2018/04/25 21:57:34	CTD911	deploy	21	A12	118	40.009273	-70.825088		zCheng	DAVPR on
20180425.2246.001	20180425.2246	2018/04/25 22:46:34	EK80	start	21	NaN	NaN	40.021281	-70.819438		anOther	ek80 recording was turned off(?) at 1405UTC, recording started again 2244 file ar29-D20180425-T224451.raw
20180425.2336.001	20180425.2310	2018/04/25 23:10:04	CTD911	deploy	21	A11	119	40.075729	-70.830051		zCheng	DAVPR on
20180426.0049.001	20180426.0028	2018/04/26 00:28:34	CTD911	deploy	21	A10	120	40.139615	-70.828926		zCheng	DAVPR on (battery is out during the cast)
20180426.0204.001	20180426.0148	2018/04/26 01:48:34	CTD911	deploy	21	A9	121	40.204481	-70.830400		zCheng	DAVPR off
20180426.0316.001	20180426.0257	2018/04/26 02:57:04	CTD911	deploy	21	A8	122	40.270193	-70.831303		wZhang	DAVPR off
20180426.0427.001	20180426.0415	2018/04/26 04:15:04	CTD911	deploy	21	A7	123	40.334069	-70.830826		wZhang	DAVPR on (battery replaced)
20180426.0520.001	20180426.0505	2018/04/26	CTD911	deploy	21	A6	124	40.398889	-70.830002		wZhang	DAVPR on

		05:05:04										
20180426.0622.001	20180426.0605	2018/04/26 06:05:04	CTD911	deploy	21	A5	125	40.465498	-70.830906		wZhang	DAVPR on
20180426.0737.001	20180426.0725	2018/04/26 07:25:04	CTD911	deploy	21	A4	126	40.525703	-70.828725		wZhang	DAVPR on
20180426.0849.001	20180426.0838	2018/04/26 08:38:04	CTD911	deploy	21	A3	127	40.595849	-70.829281		wZhang	DAVPR on; Large density inversion in the surface layer; to be recasted
20180426.0910.001	20180426.0855	2018/04/26 08:55:04	CTD911	deploy	21	A3	128	40.596927	-70.827476		wZhang	DAVPR on; recast of 127
20180426.1042.001	20180426.1030	2018/04/26 10:30:04	CTD911	deploy	21	A2	129	40.660034	-70.829263		wZhang	DAVPR on
20180426.1753.001	20180426.1701	2018/04/26 17:01:04	CTD911	deploy	22	A16	130	39.765325	-70.829723		zCheng	DAVPR on;forgot to record SPAR; need to do recast
20180426.1754.001	20180426.1725	2018/04/26 17:25:04	CTD911	deploy	22	A16	131	39.749268	-70.824562		zCheng	DAVPR on; recast of 130
20180426.1855.001	20180426.1844	2018/04/26 18:44:49	CTD911	deploy	22	A16	132	39.731925	-70.781770		zCheng	DAVPR on; for collecting grazing water at 16 m
20180426.1941.001	20180425.1511	2018/04/25 15:11:04	Towed VPR	recover	20		5	39.760810	-70.820305		pAlatalo1	Fog and fishing gear terminate tow early.
20180426.1942.001	20180426.1908	2018/04/26 19:08:04	Towed VPR	deploy	23		6	39.733878	-70.767993		pAlatalo1	
20180426.1943.001	20180425.1812	2018/04/25 18:12:04	MOCNESS1/4	deploy	22	A16	9	39.803264	-70.824392		pAlatalo1	3 nets tripped for Turner: 38m, 16m, 1m
20180426.1944.001	20180425.1829	2018/04/25 18:29:04	MOCNESS1/4	recover	22	NaN	9	39.848452	-70.825979		pAlatalo1	
20180427.0006.001	20180426.2259	2018/04/26 22:59:49	Towed VPR	recover	23		6	40.145032	-70.811082		pAlatalo1	Tow offshore to inshore
20180427.0029.001	20180427.0015	2018/04/27 00:15:04	CTD911	deploy	24	A8	133	40.270622	-70.829318		zCheng	DAVPR on;no water sampling
20180427.0116.001	20180427.0101	2018/04/27 01:01:49	CTD911	deploy	24	A9	134	40.206019	-70.829161		zCheng	DAVPR on
20180427.0204.001	20180427.0153	2018/04/27 01:53:04	CTD911	deploy	24	A10	135	40.140929	-70.830003		zCheng	DAVPR on
20180427.0255.001	20180427.0242	2018/04/27 02:42:19	CTD911	deploy	24	A11	136	40.076032	-70.828936		zCheng	DAVPR on
20180427.0349.001	20180427.0328	2018/04/27 03:28:49	CTD911	deploy	24	A12	137	40.011239	-70.829721		zCheng	DAVPR on
20180427.0550.001	20180427.0430	2018/04/27 04:30:04	CTD911	deploy	24	A13	138	39.944245	-70.827254		wZhang	DAVPR on
20180427.0552.001	20180427.0520	2018/04/27 05:20:04	CTD911	deploy	24	A14	139	39.880189	-70.829712		wZhang	DAVPR on
20180427.0625.001	20180427.0625	2018/04/27 06:25:24	Underway Science seawater	IFCB discrete			UW8	39.814514	-70.829086		tCrockford1	IFCB109 main lab no debubbler
20180427.0644.001	20180427.0625	2018/04/27 06:25:04	CTD911	deploy	24	A15	140	39.814527	-70.829145		wZhang	DAVPR on
20180427.0842.001	20180427.0820	2018/04/27	CTD911	deploy	24	A16	141	39.744234	-70.815465		wZhang	DAVPR on

		08:20:04										
20180427.0937.001	20180427.0920	2018/04/27 09:20:04	CTD911	deploy	24	A17	142	39.684691	-70.826369		wZhang	DAVPR on
20180427.1056.001	20180427.1025	2018/04/27 10:25:04	CTD911	deploy	25	A18	143	39.621207	-70.828369		wZhang	DAVPR on
20180427.1210.001	20180427.1102	2018/04/27 11:02:04	MOCNESS1/4	deploy			10	39.624562	-70.817465		pAlatalo1	Target depths for Turner 20m, 7m, 1m. Codends came up tangled again.
20180427.1211.001	20180427.1120	2018/04/27 11:20:04	MOCNESS1/4	recover			10	39.614342	-70.809367		pAlatalo1	Target depths 20,7,1m
20180427.1249.001	20180427.1130	2018/04/27 11:30:04	CTD911	deploy	25	A18	144	39.612286	-70.806413		wZhang	DAVPR on; for collecting grazing water
20180427.1250.001	20180427.1220	2018/04/27 12:20:04	CTD911	deploy	25	A17	145	39.685095	-70.827912		wZhang	DAVPR on
20180427.1356.001	20180427.1325	2018/04/27 13:25:04	CTD911	deploy	25	A16	146	39.751172	-70.827716		wZhang	DAVPR on; the primary CTD show density inversion during upcast, but not downcast. Secondary CTD shows good data
20180427.1500.001	20180427.1425	2018/04/27 14:25:04	CTD911	deploy	25	A15	147	39.814442	-70.830377		wZhang	DAVPR on
20180427.1602.001	20180427.1530	2018/04/27 15:30:04	CTD911	deploy	25	A14	148	39.879801	-70.830116		wZhang	DAVPR on; Walker Smith productivity sampling and gas sampling
20180427.1704.001	20180427.1642	2018/04/27 16:42:34	CTD911	deploy	25	A13	149	39.943837	-70.831748		zCheng	DAVPR on
20180427.1804.001	20180427.1741	2018/04/27 17:41:19	CTD911	deploy	25	A12	150	40.010425	-70.827686		zCheng	DAVPR on
20180427.1906.001	20180427.1844	2018/04/27 18:44:49	CTD911	deploy	25	A11	151	40.075107	-70.828631		zCheng	DAVPR on
20180427.2019.001	20180427.2000	2018/04/27 20:00:19	CTD911	deploy	25	A10	152	40.140344	-70.828354		zCheng	DAVPR on; Walker Smith productivity sampling and gas sampling
20180427.2120.001	20180427.2102	2018/04/27 21:02:34	CTD911	deploy	25	A9	153	40.204974	-70.826041		zCheng	DAVPR on
20180427.2217.001	20180427.2201	2018/04/27 22:01:19	CTD911	deploy	25	A8	154	40.269676	-70.831642		zCheng	DAVPR on
20180427.2307.001	20180427.2254	2018/04/27 22:54:19	CTD911	deploy	25	A7	155	40.335307	-70.829706		zCheng	DAVPR on
20180427.2358.001	20180427.2343	2018/04/27 23:43:49	CTD911	deploy	25	A6	156	40.400134	-70.829882		zCheng	DAVPR on
20180428.0529.001	20180428.0420	2018/04/28 04:20:04	CTD911	deploy	25	A5	157	40.464953	-70.829950		wZhang	DAVPR on
20180428.0541.001	20180428.0530	2018/04/28 05:30:04	CTD911	deploy	25	A4	158	40.530371	-70.829588		wZhang	DAVPR on
20180428.0627.001	20180428.0615	2018/04/28 06:15:04	CTD911	deploy	25	A3	159	40.595449	-70.828569		wZhang	DAVPR on

20180428.0719.001	20180428.0710	2018/04/28 07:10:04	CTD911	deploy	25	A2	160	40.660746	-70.829132		wZhang	DAVPR on
20180428.0816.001	20180428.0755	2018/04/28 07:55:04	CTD911	deploy	25	A1	161	40.723977	-70.829313		wZhang	DAVPR on; Large density inversion in the thermocline (-10 m) likely due to thruster; to be recasted
20180428.0818.001	20180428.0805	2018/04/28 08:05:04	CTD911	deploy	25	A1	162	40.723833	-70.829620		wZhang	DAVPR on; recast of 161
20180428.1043.001	20180428.1030	2018/04/28 10:30:04	CTD911	deploy	26	A2	163	40.660130	-70.829471		wZhang	DAVPR on
20180428.1124.001	20180428.1115	2018/04/28 11:15:04	CTD911	deploy	26	A2	164	40.646633	-70.820733		wZhang	DAVPR on; for collecting grazing water
20180428.1327.001	20180428.1044	2018/04/28 10:44:04	MOCNESS1/4	deploy			11	40.660241	-70.829174		pAlatalo1	Target depths for Turner group: 40,26,1m
20180428.1329.001	20180428.1111	2018/04/28 11:11:04	MOCNESS1/4	recover			11	40.647156	-70.821194		pAlatalo1	Target depths for Turner: 40,26, and 1m
20180428.1331.001	20180428.1136	2018/04/28 11:36:04	MOCNESS1/4	deploy			12	40.646596	-70.819120		pAlatalo1	Flowmeter calibration
20180428.1332.001	20180428.1228	2018/04/28 12:28:04	MOCNESS1/4	recover			12	40.648006	-70.812468		pAlatalo1	Flowmeter calibration
20180428.1334.001	20180428.1243	2018/04/28 12:43:04	Towed VPR	deploy	Phaeocystis Mapping		7	40.660077	-70.818210		pAlatalo1	On-shelf mapping of Phaeocystis bloom
20180428.1924.001	20180428.1913	2018/04/28 19:13:04	CTD911	deploy	26	P1	165	40.749815	-70.250533		zCheng	DAVPR on
20180428.1940.001	20180428.1930	2018/04/28 19:30:04	CTD911	deploy	26	P1	166	40.748901	-70.251931		zCheng	DAVPR on;all bottles triggered at the surface
20180428.2044.001	20180428.2032	2018/04/28 20:32:19	CTD911	deploy	26	P2	167	40.659644	-70.250116		zCheng	DAVPR on
20180429.0107.001	20180429.0100	2018/04/29 01:00:34	CTD911	deploy	26	P4	168	40.688626	-70.650593		zCheng	DAVPR on
20180429.0159.001	20180428.1457	2018/04/28 14:57:04	Towed VPR	recover	Phaeocystis Mapping		7	40.659504	-70.416730		pAlatalo1	VPR7 stopped image acquisition due to full hard-drive on computer. Keep VPR in water.
20180429.0200.001	20180428.1618	2018/04/28 16:18:04	Towed VPR	deploy	Phaeocystis Mapping		8	40.661351	-70.550471		pAlatalo1	VPR left in water towing from VPR#7...start recording VPR#8
20180429.0202.001	20180428.1850	2018/04/28 18:50:04	Towed VPR	recover	Phaeocystis Mapping		8	40.759098	-70.250411		pAlatalo1	
20180429.0203.001	20180428.2141	2018/04/28 21:41:04	Towed VPR	deploy	Phaeocystis Mapping along way to Transect Line		9	40.721185	-70.383625		pAlatalo1	
20180429.0204.001	20180428.2348	2018/04/28	Towed VPR	recover	Phaeocystis		9	40.659619	-70.817943		pAlatalo1	

		23:48:04			Mapping along way to Transect Line							
20180429.0217.001	20180429.0206	2018/04/29 02:06:34	CTD911	deploy	27	A2	169	40.659689	-70.828876		zCheng	DAVPR on
20180429.0345.001	20180429.0249	2018/04/29 02:49:19	CTD911	deploy	27	A3	170	40.595875	-70.829492		zCheng	DAVPR on
20180429.0346.001	20180429.0332	2018/04/29 03:32:04	CTD911	deploy	27	A4	171	40.530063	-70.831574		zCheng	DAVPR on
20180429.0434.001	20180429.0422	2018/04/29 04:22:04	CTD911	deploy	27	A5	172	40.464240	-70.829620		wZhang	DAVPR on
20180429.0556.001	20180429.0505	2018/04/29 05:05:04	CTD911	deploy	27	A6	173	40.399466	-70.830199		wZhang	DAVPR on
20180429.0557.001	20180429.0545	2018/04/29 05:45:04	CTD911	deploy	27	A7	174	40.334495	-70.830555		wZhang	DAVPR on
20180429.0643.001	20180429.0626	2018/04/29 06:26:04	CTD911	deploy	27	A8	175	40.270255	-70.830719		wZhang	DAVPR on; THE LAST CTD CAST OF AR29!

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