

Supplement of

**Coastal Ocean Data Analysis Product in North America
(Version 2026)**

Hyelim Yoo et al.

Correspondence to: Li-Qing Jiang (liqing.jiang@noaa.gov)

The copyright of individual parts of the supplement might differ from the article license.

1 **S1. Data Consolidation Framework and Regional Distribution**

2 To construct the Coastal Ocean Data Analysis Product in North America (CODAP-NA, Version 2026), discrete
3 observations from multiple disparate research programs spanning 1981 to 2024 were compiled and harmonized
4 into a singular, internally, consistent data matrix. The dataset encompasses a significant expansion over the
5 2021 version, aggregating 446 cruises that represent 31,864 individual hydrographic profiles across the
6 continental margins of North America. Because these source datasets originated from varied institutional
7 repositories and utilized differing initial sampling protocols, secondary quality control procedures were
8 uniformly applied to the fourteen-core chemical and physical variables, including carbonate system parameters
9 and ambient nutrients. Detailed breakdown maps of the geographic track distributions across the distinct
10 Atlantic, Pacific, Arctic, and Caribbean sectors, alongside the individual cruise metadata and legacy NCEI
11 repository source identifiers, are compiled in Table S1 to ensure full reproducibility and trace back to the
12 original archived records.

13

14 **S2. List of cruises**

15 **Table S1 List of cruises included in CODAP-NA Version 2026. Refer to Table 4 for full parameter names, abbreviations, and**
16 **units. Cruise quality flags follow the definitions in Table 1 (Jiang et al., 2021). CTD (conductivity, temperature, and depth)**
17 **refers to the electronic instrument package used to measure these hydrographic properties. Start date and End date indicate**
18 **when data collection began and concluded for each cruise, respectively. Temperature and salinity values were recorded under**
19 **CTDTEMP and CTDSAL, respectively.**

20

NO	EXPCODE	Cruise_ID	REGION	Start_date	End_date	VARIABLES	G2 or Not	Cruise flag
1	18BW20170727	18BW17002	Newfoundland Labrador	2017-07-27	2017-09-12	CTDTEMP, CTDSAL, TALK, pH	No	C
2	18VA20180103	18VA18667	Northeastern U.S.	2018-01-03	2018-12-19	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
3	18VA20190109	18VA19667	Northeastern U.S.	2019-01-09	2019-12-18	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
4	18VA20200109	18VA20667	Northeastern U.S.	2020-01-09	2020-12-22	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
5	18VA20220107	18VA22667	Northeastern U.S.	2022-01-07	2022-12-21	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
6	18DL20100721	AN1001	Beaufort Sea	2010-07-21	2010-07-30	CTDTEMP, CTDSAL, Salinity, DIC, TALK	No	C
7	18DL20120828	BaySys2012	Beaufort Sea	2012-08-28	2012-09-02	CTDTEMP, CTDSAL, Salinity, DIC, TALK	No	C
8	316N19970530	WOCE_A24	Caribbean Sea	1997-05-30	1997-06-28	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
9	316N19961102	WOCE_AR24	Caribbean Sea	1996-11-02	1996-12-03	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
10	33WA20170515	WS17135	Gulf of America/Gulf of Mexico	2017-05-18	2017-06-10	CTDTEMP, CTDSAL, DIC, TALK, pH	No	B
11	18DN20180803	18DN180803	Beaufort Sea	2018-08-03	2018-09-08	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B

12	18DN20190802	18DN190802	Beaufort Sea	2019-08-02	2019-09-09	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
13	XXXX20070706	1974-70	Beaufort Sea	2007-07-06	2007-08-27	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
14	XXXX20020816	1974-70	Beaufort Sea	2002-08-16	2002-10-17	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
15	XXXX20030811	1974-70	Beaufort Sea	2003-08-11	2003-12-28	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
16	XXXX20000707	1974-70	Beaufort Sea	2000-07-07	2000-09-16	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
17	XXXX20090711	1974-70	Beaufort Sea	2003-08-14	2009-10-14	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
18	XXXX19950308	1974-70	Beaufort Sea	1995-08-08	1995-09-04	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
19	XXXX20040103	1974-70	Beaufort Sea	2004-01-03	2004-08-18	CTDTEMP, CTDSAL, Salinity, DIC, TALK	No	A
20	XXXX20060729	1974-70	Beaufort Sea	2006-07-29	2006-09-29	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
21	XXXX19960915	1974-70	Beaufort Sea	1996-09-15	1996-09-23	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
22	XXXX19920918	1974-70	Beaufort Sea	1992-09-18	1992-09-23	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, Phosphate, Nitrate	No	A
23	XXXX20080703	1974-70	Beaufort Sea	2008-07-03	2008-10-14	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
24	XXXX19910902	1974-70	Beaufort Sea	1991-09-02	1991-09-03	CTDTEMP, CTDSAL, Salinity, Oxygen, Phosphate, Nitrate	No	A
25	XXXX19930828	1974-70	Beaufort Sea	1993-08-28	1993-09-22	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
26	18DL20111006	AN1103	Beaufort Sea	2011-10-06	2011-10-21	DIC, TALK	No	C
27	33BI20201025	SKQ202014S	Beaufort Sea	2020-10-25	2020-11-11	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
28	XXXX20110607	N/A	California Current	2011-06-07	2017-12-13	Salinity, DIC, TALK	No	D
29	XXXX20170308	N/A	California Current	2017-03-08	2018-09-27	Salinity, Oxygen, DIC, TALK, Silicate, Nitrate, Nitrite, NO3NO2	No	D
30	32NM20150426	N/A	California Current	2009-12-15	2015-04-29	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
31	XXXX20151117	OC1511A	California Current	2015-11-17	2015-11-20	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
32	33JV20210616	PacStorm202106 aka NEMO21a	California Current	2021-06-17	2021-06-18	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
33	XXXX20210613	RB-2102	California Current	2021-06-13	2021-06-18	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
34	XXXX20161006	RL-16-05	California Current	2016-10-06	2016-10-12	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
35	XXXX20200908	RL-20-02	California Current	2020-09-08	2020-09-10	CTDTEMP, CTDSAL, Salinity, Oxygen, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
36	XXXX20171101	SH-17-10	California Current	2017-11-01	2017-11-07	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
37	XXXX20181112	SH-18-13	California Current	2018-11-12	2018-11-16	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
38	XXXX20160516	SKQ201606S	California Current	2016-05-16	2016-05-17	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
39	XXXX20180313	SKQ201806S	California Current	2018-03-13	2018-03-16	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
40	XXXX20190506	SKQ201912S	California Current	2019-05-06	2019-05-12	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
41	XXXX20170305	SR-1707	California Current	2017-03-05	2017-03-11	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
42	32P020130821	WCOA2013	California Current	2013-08-21	2013-08-28	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A

43	33RO20160505	WCOA2016	California Current	2016-05-08	2016-06-06	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
44	33OA20220818	DY2208	East Bering Sea	2022-08-18	2022-09-09	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
45	33HQ20080329	HLY0802	East Bering Sea	2008-04-01	2008-05-06	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
46	33HQ20080703	HLY0803	East Bering Sea	2008-07-04	2008-07-30	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
47	33HQ20090403	HLY0902	East Bering Sea	2009-04-05	2009-05-10	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
48	33HQ20131005	HLY1303	East Bering Sea	2013-10-05	2013-10-30	CTDTEMP, CTDSAL, DIC, TALK	No	D
49	316N20090614	KN195	East Bering Sea	2009-06-22	2009-07-13	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	B
50	31FN20090924	MF0904	East Bering Sea	2009-09-26	2009-10-09	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
51	49NZ20020822	MR02-K05 Leg 1, PACIFICA 49 NZ20020822	East Bering Sea	2002-09-03	2002-10-05	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
52	325020100509	TN249-10	East Bering Sea	2010-05-13	2010-07-12	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
53	18DL20160603	1601	Eastern Arctic - West Greenland	2016-06-09	2016-08-23	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK	No	B
54	XXXX19970803	1974-70	Eastern Arctic - West Greenland	1997-08-03	1997-08-18	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
55	XXXX20050729	1974-70	Eastern Arctic - West Greenland	2005-07-29	2005-08-31	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate	No	A
56	90UY20140928	A90UY140928	Eastern Arctic - West Greenland	2014-09-28	2014-09-30	CTDTEMP, CTDSAL, DIC, TALK	No	C
57	18DL20180725	AMD1802	Eastern Arctic - West Greenland	2018-07-25	2018-08-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Nitrate	No	B
58	18DL20160716	AMU2016-02	Eastern Arctic - West Greenland	2016-07-16	2016-07-27	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Nitrate	No	B
59	18DL20190530	AN1902	Eastern Arctic - West Greenland	2019-07-08	2019-08-14	CTDTEMP, CTDSAL, Salinity, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
60	18DL20140708	AN_1405	Eastern Arctic - West Greenland	2014-07-15	2014-08-12	CTDTEMP, CTDSAL, DIC, TALK	No	C
61	18RD19990827	CARINA/18RD 19990827	Eastern Arctic - West Greenland	1999-08-27	1999-10-05	CTDTEMP, CTDSAL, DIC, TALK	Yes	C
62	18HU20000520	CLIVAR_AR0 7W_2000	Eastern Arctic - West Greenland	2000-05-24	2000-06-05	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
63	18HU20050526	CLIVAR_AR0 7W_2005	Eastern Arctic - West Greenland	2005-05-29	2005-06-06	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
64	316N20150906	Canadian Archipelago	Eastern Arctic - West Greenland	2015-09-08	2015-09-24	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	Yes	B
65	18DL20170714	N/A	Eastern Arctic - West Greenland	2017-07-14	2017-08-16	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
66	316N19810821	TTO-NAS	Eastern Arctic - West Greenland	1981-08-23	1981-09-16	CTDTEMP, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
67	18DD19980715	DFO_1998.23	Salish Sea	1998-07-15	1998-07-24	Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	No	D
68	18VT20141027	DFO_2014-50	Salish Sea	2014-10-27	2014-10-30	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	B

69	18VT20150401	DFO_2015-17	Salish Sea	2015-04-01	2015-04-05	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	B
70	XXXX20151119	DFO_2015.57	Salish Sea	2015-11-19	2018-03-29	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
71	18DD20190829	DFO_2019.23	California Current	2019-08-30	2019-09-07	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
72	322000000000	AQ201610	Salish Sea	2016-10-24	2017-10-18	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
73	31B520081108	BOLD085	Salish Sea	2008-08-11	2008-08-15	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
74	33CB20140714	CAB1019	Salish Sea	2014-07-14	2014-07-18	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
75	33CB20140929	CAB1023	Salish Sea	2014-09-29	2014-10-03	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
76	33CB20150405	CAB1028	Salish Sea	2015-04-05	2015-04-10	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
77	33CB20150707	CAB1034	Salish Sea	2015-07-07	2015-07-11	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
78	33CB20150923	CAB1037	Salish Sea	2015-09-23	2015-09-27	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
79	33CB20160405	CAB1041	Salish Sea	2016-04-05	2016-04-09	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
80	33CB20160707	CAB1045	Salish Sea	2016-07-07	2016-07-25	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
81	33CB20160921	CAB1050	Salish Sea	2016-09-21	2016-09-25	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
82	33CB20170406	CAB1065	Salish Sea	2017-04-06	2017-04-10	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
83	33CB20170711	CAB1075	Salish Sea	2017-07-11	2017-07-15	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
84	33CB20170911	CAB1079	Salish Sea	2017-09-11	2017-09-15	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
85	325020060213	CLIVAR_P16N_2006	Gulf of Alaska	2006-03-26	2006-03-30	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, fCO2, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
86	XXXX20120409	N/A	Gulf of Alaska	2012-04-09	2012-06-16	CTDTEMP, CTDSAL, DIC, TALK	No	C
87	32QO20100503	N2S10	Gulf of Alaska	2010-05-03	2010-05-07	CTDTEMP, CTDSAL, DIC, TALK	No	B
88	32QO20181016	NORSEMANII OCT2018	Salish Sea	2018-10-16	2018-10-19	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
89	33RO20150525	P16N_2015	Gulf of Alaska	2015-06-13	2015-06-23	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
90	33JV20241022	PacStorm202410	Salish Sea	2024-10-22	2024-10-22	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
91	33RO20150713	RB1504	Gulf of Alaska	2015-07-17	2015-07-31	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
92	336Q20090929	RBTSN200909	Salish Sea	2009-09-29	2009-10-03	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
93	336Q20170502	RBTSN201705	Salish Sea	2017-05-02	2017-05-04	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
94	336Q20180523	RBTSN201805	Salish Sea	2018-05-23	2018-05-24	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
95	336Q20190520	RBTSN201905	Salish Sea	2019-05-20	2019-05-24	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B

96	336Q20200703	RBTSN202007	Salish Sea	2020-07-03	2020-07-05	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
97	336Q20220504	RBTSN202205 aka ChaBa22a	Salish Sea	2022-05-04	2022-05-06	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
98	336Q20230504	RBTSN202305	Salish Sea	2023-05-04	2023-05-06	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
99	331Y20170407	RC001	Salish Sea	2018-04-07	2018-04-11	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
100	331Y20190422	RC0022	Salish Sea	2019-04-22	2019-04-26	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
101	331Y20190705	RC0027	Salish Sea	2019-07-05	2019-07-09	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
102	331Y20190911	RC0034	Salish Sea	2019-09-11	2019-09-15	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
103	331Y20200708	RC0040	Salish Sea	2020-07-08	2020-07-12	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
104	331Y20200912	RC0043	Salish Sea	2020-09-12	2020-09-16	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
105	331Y20210417	RC0051	Salish Sea	2021-04-17	2021-04-21	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
106	331Y20210712	RC0058	Salish Sea	2021-07-12	2021-07-16	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
107	331Y20180623	RC006	Salish Sea	2018-07-23	2018-07-27	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
108	331Y20210913	RC0063	Salish Sea	2021-09-13	2021-09-17	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
109	331Y20180911	RC007	Salish Sea	2018-09-11	2018-09-16	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
110	331Y20220425	RC0074	Salish Sea	2022-04-25	2022-04-29	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
111	331Y20220627	RC0080	Salish Sea	2022-06-27	2022-07-01	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
112	32RC20220812	RC0083	Gulf of Alaska	2022-08-11	2022-08-24	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
113	331Y20220912	RC0084	Salish Sea	2022-09-12	2022-09-16	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
114	331Y20230410	RC0092	Salish Sea	2023-04-10	2023-04-14	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
115	331Y20230707	RC0098	Salish Sea	2023-07-07	2023-07-11	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
116	331Y20230911	RC0105	Salish Sea	2023-09-11	2023-09-15	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
117	331Y20240413	RC0114	Salish Sea	2024-04-13	2024-04-17	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
118	331Y20240708	RC0121	Salish Sea	2024-07-08	2024-07-12	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
119	331Y20240916	RC0127	Salish Sea	2024-09-16	2024-09-20	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
120	325S20160317	SH1604	Salish Sea	2016-03-18	2016-03-19	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B

121	332220170918	SH1709	Gulf of Alaska	2017-09-18	2017-09-28	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
122	325000000000	TN216	Salish Sea	2008-02-04	2023-09-26	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
123	33A020080913	TXF08	Gulf of Alaska	2008-09-13	2008-09-16	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
124	33A020090914	TXF09	Gulf of Alaska	2009-09-14	2009-09-19	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
125	33A020100914	TXF10	Gulf of Alaska	2010-09-14	2010-09-18	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
126	33A009072011	TXF11	Gulf of Alaska	2011-09-15	2011-09-19	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
127	33A020120913	TXF12	Gulf of Alaska	2012-09-13	2012-09-18	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
128	33A020130921	TXF13	Gulf of Alaska	2013-09-24	2013-09-26	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
129	33A020140913	TXF14	Gulf of Alaska	2014-09-13	2014-09-19	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
130	33A020150914	TXF15	Gulf of Alaska	2015-09-14	2015-09-20	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
131	33A020160915	TXF16	Gulf of Alaska	2016-09-15	2016-09-20	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
132	33A020170916	TXF17	Gulf of Alaska	2017-09-16	2017-09-22	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
133	33A020130914	TXS08	Gulf of Alaska	2013-09-14	2013-09-26	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
134	33A020080502	TXS08	Gulf of Alaska	2008-05-02	2008-05-06	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
135	33A020090503	TXS09	Gulf of Alaska	2009-05-03	2009-05-08	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
136	33A020110506	TXS11	Gulf of Alaska	2011-05-06	2011-05-09	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
137	33A020120503	TXS12	Gulf of Alaska	2012-05-03	2012-05-09	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite	No	B
138	33A020130503	TXS13	Gulf of Alaska	2013-05-03	2013-05-06	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
139	33A020130427	TXS13	Gulf of Alaska	2013-04-27	2013-05-08	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
140	33A020140503	TXS14	Gulf of Alaska	2014-05-03	2014-05-08	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
141	33A020150505	TXS15	Gulf of Alaska	2015-05-05	2015-05-11	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
142	33A020160430	TXS16	Gulf of Alaska	2016-04-30	2016-05-27	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
143	33A020170501	TXS17	Gulf of Alaska	2017-05-01	2017-05-08	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
144	32WC20070511	WCOA2007	Gulf of Alaska	2007-05-14	2007-06-12	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
145	32WC20110812	WCOA2011	Gulf of Alaska	2011-08-12	2011-08-30	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
146	332220120904	WCOA2012	Gulf of Alaska	2012-09-05	2012-09-16	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
147	317W20130803	WCOA2013	Gulf of Alaska	2013-08-05	2013-08-10	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A

148	33RO20210613	WCOA2021	Gulf of Alaska	2021-06-25	2021-07-23	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
149	33RO20070710	GOMECC1	Gulf of America/Gulf of Mexico	2007-07-11	2007-08-02	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, fCO2, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
150	33RO20120721	GOMECC2	Gulf of America/Gulf of Mexico	2012-07-22	2012-08-13	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, fCO2, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
151	33RO20170718	GOMECC3	Gulf of America/Gulf of Mexico	2017-07-18	2017-08-20	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, fCO2, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
152	32PE20130909	GOMEX2013	Gulf of America/Gulf of Mexico	2013-09-09	2013-09-22	CTDTEMP, CTDSAL, DIC, TALK, pH	No	C
153	XXXX20100308	N/A	Gulf of America/Gulf of Mexico	2010-03-08	2022-12-18	CTDSAL, DIC, TALK	No	C
154	33NF20100701	NF10-13	Gulf of America/Gulf of Mexico	2010-07-01	2010-07-08	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
155	32PE20180319	RAPID_3	Gulf of America/Gulf of Mexico	2018-03-19	2018-03-23	CTDTEMP, CTDSAL, DIC, TALK, pH	No	B
156	33RO20101014	RB10-07	Gulf of America/Gulf of Mexico	2010-10-17	2010-11-04	CTDTEMP, CTDSAL, DIC, TALK	No	B
157	320G20220803	WB22215	Gulf of America/Gulf of Mexico	2022-08-03	2022-08-10	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
158	33WA20111020	WS1116	Gulf of America/Gulf of Mexico	2011-10-21	2011-10-24	CTDTEMP, CTDSAL, DIC, TALK	No	B
159	33WA20111211	WS1118	Gulf of America/Gulf of Mexico	2011-12-12	2011-12-15	CTDTEMP, CTDSAL, DIC, TALK	No	B
160	33WA20141201	WS1418	Gulf of America/Gulf of Mexico	2014-12-03	2014-12-04	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	B
161	33WA20150921	WS15264	Gulf of America/Gulf of Mexico	2015-09-23	2015-09-24	CTDTEMP, CTDSAL, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
162	33WA20180108	WS18008	Gulf of America/Gulf of Mexico	2018-01-10	2018-01-10	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
163	33WA20191118	WS19322	Gulf of America/Gulf of Mexico	2019-11-18	2019-11-23	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
164	33WA20200106	WS20006	Gulf of America/Gulf of Mexico	2020-01-06	2020-01-10	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
165	33WA20200818	WS20231	Gulf of America/Gulf of Mexico	2020-08-19	2020-08-22	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
166	33WA20201005	WS20279	Gulf of America/Gulf of Mexico	2020-10-05	2020-10-12	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
167	33WA20201207	WS20342	Gulf of America/Gulf of Mexico	2020-12-08	2020-12-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
168	33WA20210201	WS21032	Gulf of America/Gulf of Mexico	2021-02-01	2021-02-07	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
169	33WA20210403	WS21093	Gulf of America/Gulf of Mexico	2021-04-04	2021-04-09	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
170	33WA20220313	WS22072	Gulf of America/Gulf of Mexico	2022-03-14	2022-03-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
171	33WA20220521	WS22141	Gulf of America/Gulf of Mexico	2022-05-21	2022-05-27	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
172	33WA20221203	WS22337	Gulf of America/Gulf of Mexico	2022-12-03	2022-12-09	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B

173	33WA20230111	WS23011	Gulf of America/Gulf of Mexico	2023-01-11	2023-01-17	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
174	33WA20230302	WS23061	Gulf of America/Gulf of Mexico	2023-03-02	2023-03-08	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
175	06MT19970707	06MT394, CARINA/06MT19970707	Newfoundland_Labrador	1997-07-07	1997-08-09	CTDTEMP, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
176	06MT19990711	06MT453	Newfoundland_Labrador	1999-07-12	1999-08-08	CTDTEMP, CTDSAL, Oxygen, DIC, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	C
177	18NE20220701	12558	Newfoundland_Labrador	2022-07-01	2022-07-02	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
178	18OL20180715	15011	Newfoundland_Labrador	2018-07-15	2018-08-02	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
179	189020150118	189015001	Newfoundland_Labrador	2015-01-18	2015-12-18	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
180	189020160123	189016001	Newfoundland_Labrador	2016-01-23	2016-12-12	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
181	189020170207	189017005	Newfoundland_Labrador	2017-02-07	2017-12-04	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
182	189020180312	189018004	Newfoundland_Labrador	2018-03-12	2018-12-06	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
183	189020190412	189019004	Newfoundland_Labrador	2019-04-12	2019-12-13	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
184	18BG20200106	18BG20004	Newfoundland_Labrador	2020-01-06	2020-12-09	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
185	18BP20140422	18BP14001	Newfoundland_Labrador	2014-04-22	2014-12-16	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
186	18HU00141019	18HU14037	Newfoundland_Labrador	2014-10-19	2014-11-10	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
187	18HU20161016	18HU16050	Newfoundland_Labrador	2016-10-16	2016-11-03	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
188	18HU20180425	18HU18008	Newfoundland_Labrador	2018-04-28	2018-04-28	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
189	18HU20201019	18HU20028	Newfoundland_Labrador	2020-10-19	2020-10-30	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
190	18HU19950607	18HU95011_1	Newfoundland_Labrador	1995-06-09	1995-07-01	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	A
191	18JH20170722	18JH170722	Newfoundland_Labrador	2017-07-22	2017-07-30	CTDTEMP, CTDSAL, DIC, TALK	No	C
192	18MF20170825	18MF17001	Newfoundland_Labrador	2017-08-25	2017-08-29	CTDTEMP, CTDSAL, TALK, pH	No	C
193	18OL20160601	18OL16015	Newfoundland_Labrador	2016-06-01	2016-06-26	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
194	18OL20171101	18OL17048	Newfoundland_Labrador	2017-11-01	2017-11-23	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
195	18OL20180605	18OL18014	Newfoundland_Labrador	2018-06-05	2018-06-24	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
196	18OL20191021	18OL19049	Newfoundland_Labrador	2019-10-21	2019-11-06	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
197	18TL20150531	18TL15016	Newfoundland_Labrador	2015-05-31	2015-06-19	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
198	18TL20170530	18TL17008	Newfoundland_Labrador	2017-05-30	2017-06-19	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C

199	18TL20170803	18TL17027	Newfoundland _Labrador	2017-08-03	2017-09-01	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
200	18TL20180803	18TL18041	Newfoundland _Labrador	2018-08-03	2018-09-01	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
201	18TL20190526	18TL19009	Newfoundland _Labrador	2019-05-26	2019-06-15	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
202	18TL20200813	18TL20012	Newfoundland _Labrador	2020-08-13	2020-09-05	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
203	18HU20141116	20114	Newfoundland Labrador	2014-11-16	2014-12-07	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
204	18HU20161113	20116	Newfoundland Labrador	2016-11-13	2016-11-20	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
205	18HU20201110	20120	Newfoundland Labrador	2020-11-10	2020-12-01	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
206	32OC19950529	32OC269	Newfoundland Labrador	1995-05-29	1995-06-15	CTDTEMP, Salinity, Oxygen, DIC	Yes	C
207	33AT20220504	33AT22805	Newfoundland _Labrador	2022-05-04	2022-05-27	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
208	18TL20150410	39144	Newfoundland Labrador	2015-04-10	2015-04-27	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
209	18TL20150709	39148	Newfoundland Labrador	2015-07-09	2015-07-26	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
210	18TL20160401	39157	Newfoundland Labrador	2016-04-01	2016-04-06	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
211	18TL20160511	39159	Newfoundland Labrador	2016-05-11	2016-05-17	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
212	18TL20160708	39160	Newfoundland Labrador	2016-07-08	2016-07-28	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
213	18TL20170406	39173	Newfoundland Labrador	2017-04-06	2017-04-23	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
214	18TL20170708	39176	Newfoundland Labrador	2017-07-08	2017-07-28	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
215	18TL20180406	39185	Newfoundland Labrador	2018-04-06	2018-04-24	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
216	18TL20190412	39197	Newfoundland Labrador	2019-04-12	2019-04-18	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
217	18TL20190627	39200	Newfoundland Labrador	2019-06-27	2019-07-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
218	18TL20210629	39220	Newfoundland Labrador	2021-06-29	2021-07-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
219	32V320231006	55001	Newfoundland Labrador	2023-10-06	2023-10-27	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
220	32V320241028	55002	Newfoundland Labrador	2024-10-28	2024-11-23	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
221	33AT20220410	56001	Newfoundland Labrador	2022-04-10	2022-05-01	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
222	18QL20230403	76031	Newfoundland Labrador	2023-04-03	2023-04-17	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
223	18KF20230720	77041	Newfoundland Labrador	2023-07-20	2023-08-01	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
224	18KF20240625	77054	Newfoundland Labrador	2024-06-25	2024-07-16	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
225	740H20191117	79001	Newfoundland Labrador	2019-11-17	2019-12-10	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
226	740H20221022	79002	Newfoundland Labrador	2022-10-22	2022-11-08	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
227	18DL20130725	AN_1304	Newfoundland Labrador	2013-07-01	2013-08-31	CTDTEMP, CTDSAL, DIC, TALK	No	C
228	06MT20030723	CARINA/06M T20030723	Newfoundland _Labrador	2003-07-24	2003-08-26	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
229	06MT19941115	CARINA/06M T303, WOCE_A01E W	Newfoundland _Labrador	1994-11-18	1994-12-15	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, Silicate, Phosphate, NO3NO2	Yes	C
230	18HU19941012	CARINA/18H U19941012	Newfoundland Labrador	1994-10-13	1994-11-05	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, Silicate, Phosphate, Nitrate	Yes	C
231	18HU19950419	CARINA/18H U19950419	Newfoundland Labrador	1995-04-19	1995-05-16	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, Silicate, Phosphate, Nitrate	Yes	C

232	18HU20010530	CLIVAR_AR0 7W_2001	Newfoundland _Labrador	2001-06-04	2001-06-11	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
233	18HU20060524	CLIVAR_AR0 7W_2006	Newfoundland _Labrador	2006-05-25	2006-06-08	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
234	18HU20080520	CLIVAR_AR0 7W_2008	Newfoundland _Labrador	2008-05-20	2008-06-03	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
235	18HU20090517	CLIVAR_AR0 7W_2009	Newfoundland _Labrador	2009-05-17	2009-05-31	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
236	18HU20100513	CLIVAR_AR0 7W_2010	Newfoundland _Labrador	2010-05-13	2010-05-30	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
237	74DI20080820	CLIVAR_AR0 7W_74DI20080 820	Newfoundland _Labrador	2008-08-20	2008-09-23	CTDTEMP, CTDSAL, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	B
238	06MT20010507	SFB460	Newfoundland _Labrador	2001-05-09	2001-05-29	CTDTEMP, Salinity, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
239	AGSK20031205	SKO0313	Newfoundland Labrador	2003-12-06	2003-12-14	CTDTEMP, CTDSAL, DIC	No	B
240	AGSK20040403	SKO0406	Newfoundland Labrador	2004-04-04	2004-04-11	CTDTEMP, CTDSAL, DIC	No	B
241	AGSK20040625	SKO0410	Newfoundland Labrador	2004-06-26	2004-07-02	CTDTEMP, CTDSAL, DIC, TALK	No	B
242	AGSK20041015	SKO0414	Newfoundland Labrador	2004-10-16	2004-10-22	CTDTEMP, CTDSAL, DIC, TALK	No	B
243	AGSK20050916	SKO0510	Newfoundland Labrador	2005-09-17	2005-09-23	CTDTEMP, CTDSAL, DIC, TALK	No	B
244	AGSK20061014	SKO0611	Newfoundland Labrador	2006-10-15	2006-10-23	CTDTEMP, CTDSAL, DIC, TALK	No	B
245	AGSK20070525	SKO0721	Newfoundland Labrador	2007-05-26	2007-06-02	CTDTEMP, CTDSAL, DIC	No	B
246	AGFO20140607	SKO1406	Newfoundland Labrador	2014-06-20	2014-06-28	CTDTEMP, CTDSAL, DIC, TALK, pH	No	B
247	46SL20181115	Selfoss846	Newfoundland Labrador	2018-11-15	2018-11-22	CTDTEMP, CTDSAL, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
248	316N19810923	TTO-NAS	Newfoundland _Labrador	1981-09-24	1981-10-17	CTDTEMP, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
249	316G20120202	DE1202	Northeastern U.S.	2012-02-06	2012-02-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
250	33RO20220806	EOCA-3	Northeastern U.S.	2022-08-08	2022-09-23	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
251	33GG20150619	EOCA1	Northeastern U.S.	2015-06-20	2015-07-23	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
252	33HH20180625	EOCA2	Northeastern U.S.	2018-06-25	2018-07-29	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
253	32EV20180720	EN617	Northeastern U.S.	2018-07-20	2018-07-23	Salinity, DIC, TALK	No	D
254	32EV20190202	EN627	Northeastern U.S.	2019-02-01	2019-02-04	Salinity, DIC, TALK	No	D
255	33GG20130609	GU1302	Northeastern U.S.	2013-06-09	2013-06-23	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
256	33GG20131113	GU1305	Northeastern U.S.	2013-11-14	2013-11-24	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
257	33GG20140301	GU1401 Leg2	Northeastern U.S.	2014-03-01	2014-03-08	CTDTEMP, CTDSAL, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
258	33GG20151012	GU1506 Leg2	Northeastern U.S.	2015-10-13	2015-10-24	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
259	33GG20160521	GU1608 Leg1	Northeastern U.S.	2016-05-23	2016-06-02	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
260	33GG20160607	GU1608 Leg2	Northeastern U.S.	2016-06-08	2016-06-12	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
261	33GG20170516	GU1701 Leg1	Northeastern U.S.	2017-05-17	2017-05-25	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
262	33GG20170530	GU1701 Leg2	Northeastern U.S.	2017-05-31	2017-06-05	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
263	33GG20171031	GU1706	Northeastern U.S.	2017-11-01	2017-11-07	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B

264	33GG20180822	GU1804	Northeastern U.S.	2018-08-23	2018-08-29	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
265	33GG20190815	GU1902	Northeastern U.S.	2019-08-16	2019-08-30	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
266	33GG20191015	GU1905	Northeastern U.S.	2019-10-18	2019-10-31	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
267	33GG20210514	GU2102	Northeastern U.S.	2021-05-14	2021-05-25	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
268	33HH20120531	HB1202	Northeastern U.S.	2012-06-02	2012-06-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
269	33HH20130314	HB1301 Leg1	Northeastern U.S.	2013-03-17	2013-05-09	CTDTEMP, CTDSAL, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
270	33HH20140908	HB1405 Leg1	Northeastern U.S.	2014-09-10	2014-09-18	CTDTEMP, CTDSAL, DIC, TALK, pH	No	B
271	33HH20140923	HB1405 Leg2	Northeastern U.S.	2014-09-25	2014-09-30	CTDTEMP, CTDSAL, DIC, TALK, pH	No	B
272	33HH20141028	HB1405 Leg4	Northeastern U.S.	2014-11-04	2014-11-05	CTDTEMP, CTDSAL, DIC, TALK, pH	No	B
273	33HH20150519	HB1502	Northeastern U.S.	2015-05-20	2015-06-02	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	B
274	33HH20170211	HB1701	Northeastern U.S.	2017-02-12	2017-02-22	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
275	33HH20180523	HB1803	Northeastern U.S.	2018-05-23	2018-06-04	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
276	33HH20190522	HB1902	Northeastern U.S.	2019-05-24	2019-06-05	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Phosphate, NO3NO2	No	B
277	33HH20220531	HB2204	Northeastern U.S.	2022-06-01	2022-06-15	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
278	33GC20120406	N/A	Northeastern U.S.	2012-04-06	2012-04-06	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Phosphate	No	B
279	33GC20130521	N/A	Northeastern U.S.	2013-05-21	2013-05-21	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK	No	B
280	33GC20150402	N/A	Northeastern U.S.	2015-04-02	2015-04-02	CTDTEMP, CTDSAL, CTDOXY	No	B
281	33GC20130318	N/A	Northeastern U.S.	2013-03-18	2013-03-18	CTDTEMP, CTDSAL, DIC, TALK	No	B
282	33GC20150605	N/A	Northeastern U.S.	2015-06-05	2015-06-05	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK	No	B
283	33GC20120111	N/A	Northeastern U.S.	2012-01-11	2012-01-11	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK	No	B
284	33GC20120703	N/A	Northeastern U.S.	2012-07-03	2012-07-03	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Phosphate	No	B
285	33GC20121106	N/A	Northeastern U.S.	2012-11-06	2012-11-06	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
286	33GC20130815	N/A	Northeastern U.S.	2013-08-15	2013-08-15	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
287	33GC20111012	N/A	Northeastern U.S.	2011-10-12	2011-10-12	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
288	33GC20120611	N/A	Northeastern U.S.	2012-06-11	2012-06-11	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Phosphate	No	B
289	33GC20140812	N/A	Northeastern U.S.	2014-08-12	2014-08-12	CTDTEMP, CTDSAL, CTDOXY, TALK	No	B
290	33GC20130415	N/A	Northeastern U.S.	2013-04-15	2013-04-15	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK	No	B
291	33GC20130626	N/A	Northeastern U.S.	2013-06-26	2013-06-26	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
292	33GC20110111	N/A	Northeastern U.S.	2011-01-11	2011-01-11	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
293	33GC20110725	N/A	Northeastern U.S.	2011-07-25	2011-07-25	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK	No	B
294	33GC20110603	N/A	Northeastern U.S.	2011-06-03	2011-06-03	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
295	33GC20141104	N/A	Northeastern U.S.	2014-11-04	2014-11-04	CTDTEMP, CTDSAL, CTDOXY, TALK	No	B
296	33GC20151007	N/A	Northeastern U.S.	2015-10-07	2015-10-07	CTDTEMP, CTDSAL, CTDOXY, TALK	No	B
297	33GC20110706	N/A	Northeastern U.S.	2011-07-06	2011-07-06	CTDTEMP, CTDSAL, DIC, TALK	No	B
298	33GC20110817	N/A	Northeastern U.S.	2011-08-17	2011-08-17	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
299	33GC20210114	N/A	Northeastern U.S.	2021-01-14	2021-12-15	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B

300	33GC20130128	N/A	Northeastern U.S.	2013-01-28	2013-01-28	CTDTEMP, CTDSAL, DIC, TALK	No	B
301	33GC20130501	N/A	Northeastern U.S.	2013-05-01	2013-05-01	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
302	33GC20150313	N/A	Northeastern U.S.	2015-03-13	2015-03-13	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK	No	B
303	33GC20120618	N/A	Northeastern U.S.	2012-06-18	2012-06-18	CTDTEMP, CTDSAL, CTDOXY	No	B
304	33GC20121119	N/A	Northeastern U.S.	2012-11-19	2012-11-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
305	33GC20130103	N/A	Northeastern U.S.	2013-01-03	2013-01-03	CTDTEMP, CTDSAL, DIC, TALK	No	B
306	33GC20151118	N/A	Northeastern U.S.	2015-11-18	2015-11-18	CTDTEMP, CTDSAL, CTDOXY	No	B
307	33GC20121024	N/A	Northeastern U.S.	2012-10-24	2012-10-24	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
308	33GC20110830	N/A	Northeastern U.S.	2011-08-30	2011-08-30	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
309	33GC20150826	N/A	Northeastern U.S.	2015-08-26	2015-08-26	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
310	33GC20140421	N/A	Northeastern U.S.	2014-04-21	2014-04-21	CTDTEMP, CTDSAL, CTDOXY	No	B
311	33GC20110808	N/A	Northeastern U.S.	2011-08-08	2011-08-08	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
312	33GC20110608	N/A	Northeastern U.S.	2011-06-08	2011-06-08	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
313	33GC20120914	N/A	Northeastern U.S.	2012-09-14	2012-09-14	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Phosphate	No	B
314	334B20121026	PC1207	Northeastern U.S.	2012-10-27	2012-11-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	B
315	334B20141103	PC1405	Northeastern U.S.	2014-11-04	2014-11-18	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
316	334B20160807	PC1604	Northeastern U.S.	2016-08-09	2016-08-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
317	334B20161018	PC1609	Northeastern U.S.	2016-10-19	2016-10-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
318	334B20210805	PC2104	Northeastern U.S.	2021-08-06	2021-08-18	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
319	334B20211015	PC2106	Northeastern U.S.	2021-10-16	2021-10-25	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
320	334B20221101	PC2205	Northeastern U.S.	2022-11-02	2022-11-09	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
321	33H520181102	S11802	Northeastern U.S.	2018-11-02	2018-11-12	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
322	AGSK20060403	SKO0604	Northeastern U.S.	2006-04-18	2006-04-27	CTDTEMP, CTDSAL, DIC, TALK	No	B
323	33GC20170114	UNH_OA_validation_data_2017	Northeastern U.S.	2017-04-14	2017-04-14	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
324	33GC20171218	UNH_OA_validation_data_2017	Northeastern U.S.	2017-12-18	2017-12-18	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
325	33GC20170719	UNH_OA_validation_data_2017	Northeastern U.S.	2017-07-19	2017-07-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
326	33GC20171113	UNH_OA_validation_data_2017	Northeastern U.S.	2017-11-13	2017-11-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
327	33GC20170615	UNH_OA_validation_data_2017	Northeastern U.S.	2017-06-15	2017-06-15	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
328	33GC20170516	UNH_OA_validation_data_2017	Northeastern U.S.	2017-05-16	2017-05-16	CTDTEMP, CTDSAL, CTDOXY, TALK	No	B
329	33GC20180530	UNH_OA_validation_data_2018	Northeastern U.S.	2018-05-30	2018-05-30	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
330	33GC20180301	UNH_OA_validation_data_2018	Northeastern U.S.	2018-03-01	2018-03-01	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
331	33GC20181130	UNH_OA_validation_data_2018	Northeastern U.S.	2018-11-30	2018-11-30	CTDTEMP, CTDSAL, CTDOXY, DIC	No	B

332	33GC20180119	UNH_OA_validation_data_2018	Northeastern U.S.	2018-01-19	2018-01-19	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
333	33GC20190710	UNH_OA_validation_data_2019	Northeastern U.S.	2019-07-10	2019-07-10	CTDTEMP, CTDSAL, CTDOXY, DIC	No	B
334	33GC20190223	UNH_OA_validation_data_2019	Northeastern U.S.	2019-02-23	2019-02-23	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
335	33GC20201108	UNH_OA_validation_data_2020	Northeastern U.S.	2020-11-08	2020-11-08	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
336	33GC20200813	UNH_OA_validation_data_2020	Northeastern U.S.	2020-08-13	2020-08-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
337	33GC20200722	UNH_OA_validation_data_2020	Northeastern U.S.	2020-07-22	2020-07-22	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
338	33GC20201005	UNH_OA_validation_data_2020	Northeastern U.S.	2020-10-05	2020-10-05	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
339	33GC20200104	UNH_OA_validation_data_2020	Northeastern U.S.	2020-01-04	2020-01-04	CTDTEMP, CTDSAL, CTDOXY, DIC	No	B
340	33GC20200626	UNH_OA_validation_data_2020	Northeastern U.S.	2020-06-26	2020-06-26	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK	No	B
341	32H120040718	CARINA/32H120040718	Northern Bering Chukchi Seas	2004-07-19	2004-08-24	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
342	33HQ20100907	HL1003	Northern Bering Chukchi Seas	2010-09-07	2010-09-21	CTDTEMP, CTDSAL, DIC, TALK	Yes	B
343	33HQ20111003	HL1103	Northern Bering Chukchi Seas	2011-10-06	2011-10-19	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	B
344	33HQ20121005	HL1203	Northern Bering Chukchi Seas	2012-10-09	2012-10-20	CTDTEMP, CTDSAL, DIC, TALK	Yes	B
345	33HQ20170826	HL1702	Northern Bering Chukchi Seas	2017-08-29	2017-09-13	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
346	33HQ20180808	HL1801	Northern Bering Chukchi Seas	2018-08-08	2018-08-18	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
347	33HQ20190806	HL1901	Northern Bering Chukchi Seas	2019-08-06	2019-08-22	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
348	49NZ20000803	MR00-K06,PACIFIC A_49NZ20000803	Northern Bering Chukchi Seas	2000-09-01	2000-09-26	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
349	49NZ20060821	MR06-04 Leg2, PACIFICA 49 NZ20060821	Northern Bering Chukchi Seas	2006-08-31	2006-09-18	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
350	33BI20211108	SKQ202115s	Northern Bering Chukchi Seas	2021-11-08	2021-11-16	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
351	33BI20230914	SKQ202312S	Northern Bering Chukchi Seas	2023-09-14	2023-10-03	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
352	33BI20240807	SKQ202412S	Northern Bering Chukchi Seas	2024-08-07	2024-08-26	CTDTEMP, CTDSAL, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
353	06GA19960613	06GA276	Scotian Shelf	1996-06-13	1996-06-27	CTDTEMP, Salinity, DIC	Yes	C
354	18BW20170702	18BW17001	Scotian Shelf	2017-07-02	2017-12-05	CTDTEMP, CTDSAL, TALK, pH	No	C
355	18BW20170824	18BW17003	Scotian Shelf	2017-08-24	2017-10-23	CTDTEMP, CTDSAL, TALK, pH	No	C
356	18BW20180207	18BW18001	Scotian Shelf	2018-02-07	2018-12-03	CTDTEMP, CTDSAL, TALK, pH	No	C
357	18BW20180710	18BW18002	Scotian Shelf	2018-07-10	2018-09-12	CTDTEMP, CTDSAL, TALK, pH	No	C
358	18BW20190204	18BW19001	Scotian Shelf	2019-02-04	2019-12-05	CTDTEMP, CTDSAL, DIC, TALK, pH	No	C
359	18BW20190709	18BW19003	Scotian Shelf	2019-07-09	2019-09-30	CTDTEMP, CTDSAL, DIC, TALK, pH	No	C

360	18BW20200124	18BW20002	Scotian Shelf	2020-01-24	2020-11-30	CTDTEMP, CTDSAL, DIC, TALK, pH	No	C
361	18DL20200722	18DL20001	Scotian Shelf	2020-07-22	2020-08-11	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
362	18HU20140919	18HU14030	Scotian Shelf	2014-09-19	2014-10-08	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
363	18HU20150418	18HU15004	Scotian Shelf	2015-04-18	2015-04-27	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
364	18HU20150920	18HU15030	Scotian Shelf	2015-09-20	2015-10-11	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
365	18HU20151019	18HU15041	Scotian Shelf	2015-10-19	2015-11-05	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
366	18HU20160410	18HU16003	Scotian Shelf	2016-04-10	2016-04-25	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
367	18HU20160916	18HU16027	Scotian Shelf	2016-09-16	2016-10-06	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
368	18HU20180408	18HU18004	Scotian Shelf	2018-04-08	2018-04-23	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
369	18HU20181023	18HU18028	Scotian Shelf	2018-10-23	2018-11-01	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
370	18HU20180915	18HU18030	Scotian Shelf	2018-09-15	2018-10-05	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
371	18HU20201004	18HU20063	Scotian Shelf	2020-10-04	2020-10-14	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
372	18HU20210521	18HU21127	Scotian Shelf	2021-05-21	2021-06-01	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
373	18HU20210917	18HU21185	Scotian Shelf	2021-09-17	2021-10-03	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
374	18MU20170615	18MU17016	Scotian Shelf	2017-06-15	2017-06-16	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
375	18MU20170623	18MU17018	Scotian Shelf	2017-06-23	2017-06-28	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
376	18MU20170712	18MU17024	Scotian Shelf	2017-07-12	2017-07-30	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
377	18MU20170816	18MU17026	Scotian Shelf	2017-08-16	2017-08-21	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
378	18MU20180711	18MU18041	Scotian Shelf	2018-07-11	2018-07-30	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
379	18MU20180813	18MU18042	Scotian Shelf	2018-08-13	2018-08-21	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
380	18MU20180927	18MU18043	Scotian Shelf	2018-09-27	2018-10-07	CTDTEMP, CTDSAL, CTDOXY, TALK, pH	No	C
381	18MU20190723	18MU19001	Scotian Shelf	2019-07-23	2019-08-05	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH	No	B
382	18MU20190922	18MU19140	Scotian Shelf	2019-09-22	2019-10-07	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH	No	B
383	18MU20200918	18MU20150	Scotian Shelf	2020-09-18	2020-09-29	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH	No	B
384	18OL20170419	18OL17001	Scotian Shelf	2017-04-19	2017-05-03	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
385	18OL20190409	18OL19001	Scotian Shelf	2019-04-09	2019-04-25	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
386	18TL20180907	18TL18196	Scotian Shelf	2018-09-07	2018-10-02	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
387	18TL20190815	18TL19036	Scotian Shelf	2019-08-15	2019-09-03	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
388	18TL20190906	18TL19201	Scotian Shelf	2019-09-06	2019-10-01	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B

389	18TL20200910	18TL20211	Scotian Shelf	2020-09-10	2020-10-05	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, pH	No	B
390	18VA20120420	18VA12668	Scotian Shelf	2012-04-20	2012-11-20	CTDTEMP, CTDSAL, Salinity, CTDIOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
391	18VA20130508	18VA13668	Scotian Shelf	2013-05-08	2013-10-11	CTDTEMP, CTDSAL, Salinity, CTDIOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
392	18VA20140521	18VA14668	Scotian Shelf	2014-05-21	2014-08-13	CTDTEMP, CTDSAL, Salinity, CTDIOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
393	18VA20150521	18VA15668	Scotian Shelf	2015-05-21	2015-12-09	CTDTEMP, CTDSAL, Salinity, CTDIOXY, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
394	18VA20160512	18VA16668	Scotian Shelf	2016-05-12	2016-10-01	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
395	18VA20170626	18VA17001	Scotian Shelf	2017-06-26	2017-10-25	CTDTEMP, CTDSAL, TALK, pH	No	C
396	18VA20180531	18VA18001	Scotian Shelf	2018-05-31	2018-09-27	CTDTEMP, CTDSAL, TALK, pH	No	C
397	18VA20190619	18VA19001	Scotian Shelf	2019-06-19	2019-09-27	CTDTEMP, CTDSAL, DIC, TALK, pH	No	C
398	32EV20171124	32EV17606	Scotian Shelf	2017-11-24	2017-12-16	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
399	90UY20150630	90UY150630	Scotian Shelf	2015-06-30	2015-12-02	CTDTEMP, CTDSAL, DIC, TALK	No	C
400	90UY20160218	90UY160218	Scotian Shelf	2016-02-18	2016-07-14	CTDTEMP, CTDSAL, DIC, TALK	No	C
401	90UY20180514	90UY180514	Scotian Shelf	2018-05-14	2018-11-02	CTDTEMP, CTDSAL, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
402	90UY20190327	90UY190327	Scotian Shelf	2019-03-27	2019-09-27	CTDTEMP, CTDSAL, CTDIOXY, Oxygen, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	C
403	18HU19980622	ACM27, ACM28, ACM29, AR7W	Scotian Shelf	1998-06-22	1998-07-08	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, NO3NO2	Yes	B
404	18HU19931105	CARINA/18H U19931105	Scotian Shelf	1993-11-16	1993-12-13	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, Silicate, Phosphate, Nitrate	Yes	C
405	18HU19970509	CARINA/18H U19970509	Scotian Shelf	1997-05-09	1997-06-09	CTDTEMP, Salinity, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	B
406	18HU20020623	CLIVAR_AR0 7W_2002	Scotian Shelf	2002-06-23	2002-07-16	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
407	18HU20030713	CLIVAR_AR0 7W_2003	Scotian Shelf	2003-07-13	2003-08-01	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
408	18HU20040515	CLIVAR_AR0 7W_2004	Scotian Shelf	2004-05-15	2004-05-29	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	A
409	18HU20110506	CLIVAR_AR0 7W_2011	Scotian Shelf	2011-05-06	2011-05-28	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
410	18HU20130507	CLIVAR_AR0 7W_2013	Scotian Shelf	2013-05-07	2013-05-28	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
411	18HU20150504	HUD2015-006	Scotian Shelf	2015-05-05	2015-05-22	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	B
412	18HU20160430	HUD2016	Scotian Shelf	2016-05-02	2016-05-24	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
413	18MF20120601	MLB2012001	Scotian Shelf	2012-06-01	2012-06-12	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	Yes	A
414	18MU20200710	N/A	Scotian Shelf	2020-07-10	2020-08-01	CTDTEMP, CTDSAL, CTDIOXY, DIC, TALK, pH	No	B
415	18MU20160904	N/A	Scotian Shelf	2016-09-04	2016-09-14	CTDTEMP, CTDSAL, CTDIOXY, DIC, TALK	No	B
416	18TL20170905	N/A	Scotian Shelf	2017-09-05	2017-09-28	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
417	33AT20220322	N/A	Scotian Shelf	2022-03-22	2022-04-04	CTDTEMP, CTDSAL, Salinity, CTDIOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A

418	18NE20150629	NED2015017	Scotian Shelf	2015-06-29	2015-08-17	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	B
419	29HE19920614	29HE06_1-3	Southeastern U.S.	1992-08-15	1992-08-16	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen	No	B
420	74EQ20151206	A05_2015	Southeastern U.S.	2015-12-09	2015-12-11	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	B
421	NPS_NOAA2022	BISC	Southeastern U.S.	2021-03-23	2022-09-21	Salinity, Oxygen, DIC, TALK	No	D
422	NPS_NOAA2023	BISC	Southeastern U.S.	2022-02-17	2023-03-23	Salinity, Oxygen, DIC, TALK	No	D
423	NPS_NOAA2021	CALO	Southeastern U.S.	2021-03-23	2021-11-02	Salinity, Oxygen, DIC, TALK	No	D
424	74DI20040404	CARINA/74DI 20040404, CLIVAR A05 2004	Southeastern U.S.	2004-04-04	2004-04-06	CTDSAL, Salinity, CTDOXY, DIC, TALK, Silicate, Phosphate, Nitrate	Yes	B
425	32KZ20060517	CapeHatteras_2 006	Southeastern U.S.	2006-05-17	2006-05-26	CTDTEMP, CTDSAL, CTDOXY, DIC, Silicate, Phosphate, NO3NO2	No	B
426	334A20140510	EX1403	Southeastern U.S.	2014-05-10	2014-05-17	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	Yes	B
427	33GG20170610	GU1702	Southeastern U.S.	2017-06-12	2017-06-21	CTDTEMP, CTDSAL, DIC, TALK, pH	Yes	B
428	316N20110426	KN2011-4, WBTS	Southeastern U.S.	2011-04-16	2011-05-02	CTDTEMP, CTDSAL, DIC, TALK	No	B
429	33RO20210913	RB-21-03	Southeastern U.S.	2021-09-14	2021-10-20	CTDTEMP, CTDSAL, Salinity, CTDOXY, Oxygen, DIC, TALK, pH, Silicate, Phosphate, Nitrate, Nitrite, NO3NO2	No	A
430	33RO20030206	RB03-01	Southeastern U.S.	2003-02-11	2003-02-14	CTDTEMP, CTDSAL, Salinity, CTDOXY, DIC	No	B
431	33RO20060312	RB06-02	Southeastern U.S.	2006-03-17	2006-03-26	CTDTEMP, CTDSAL, Salinity, CTDOXY, DIC, TALK, Silicate, Phosphate, NO3NO2	No	B
432	33RO20120215	RB1201	Southeastern U.S.	2012-02-23	2012-03-03	CTDSAL, DIC, TALK	No	B
433	33H620140402	SAB_2014	Southeastern U.S.	2014-04-02	2014-04-05	CTDTEMP, CTDSAL, DIC, TALK, pH	No	C
434	33H620140715	SAB_2014	Southeastern U.S.	2014-07-15	2014-07-19	CTDTEMP, CTDSAL, DIC, TALK	No	C
435	33H620140923	SAB_2014	Southeastern U.S.	2014-09-23	2014-09-30	CTDTEMP, CTDSAL, DIC, TALK	No	C
436	33H620141204	SAB_2014	Southeastern U.S.	2014-12-04	2014-12-09	CTDTEMP, CTDSAL, DIC, TALK	No	C
437	33H620140515	SAB_2014	Southeastern U.S.	2014-05-07	2014-05-18	CTDTEMP, CTDSAL, DIC, TALK	No	C
438	33H620141103	SAB_2014	Southeastern U.S.	2014-11-03	2014-11-06	CTDTEMP, CTDSAL, DIC, TALK	No	C
439	33WA20051007	WS0523	Southeastern U.S.	2005-10-08	2005-10-16	CTDTEMP, CTDSAL, DIC, TALK, Silicate, Phosphate, NO3NO2	No	C
440	33WA20210531	WS21151	Southeastern U.S.	2021-05-31	2021-06-06	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
441	33WA20210731	WS21212	Southeastern U.S.	2021-07-31	2021-08-06	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
442	33WA20211005	WS21278	Southeastern U.S.	2021-10-05	2021-10-10	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
443	33WA20211204	WS21338	Southeastern U.S.	2021-12-04	2021-12-10	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
444	33WA20220122	WS22022	Southeastern U.S.	2022-01-22	2022-01-28	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
445	33WA20221008	WS22281	Southeastern U.S.	2022-10-08	2022-10-14	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B
446	33WA20230722	WS23203	Southeastern U.S.	2023-07-22	2023-07-28	CTDTEMP, CTDSAL, CTDOXY, DIC, TALK, pH, Silicate, Phosphate, NO3NO2	No	B