



Title	1 THE "USHIO MARU" CRUISE 300, CRUISE 301, CRUISE 302, IN JANUARY - FEBRUARY 2014
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**1**

**THE " USHIO MARU "**

**CRUISE 300**

**CRUISE 301**

**CRUISE 302**

**IN JANUARY 2014**

**IN FEBRUARY 2014**

## 1. Cruise Itinerary

### Cruise 300

Departure from Hakodate	Jan.	7, 2014
Start hydrographic research (US14001)		7
Arrival at and departure from Hakodate		9
Finish hydrographic research (US14034)		10
Return to Hakodate		10
Total coverage 299.0 miles		

### Cruise 301

Departure from Hakodate	Jan.	26, 2014
Start hydrographic research (US14035)		26
Finish hydrographic research (US14062)		29
Return to Hakodate		30
Total coverage 281.6 miles		

### Cruise 302

Departure from Hakodate	Feb.	10, 2014
Start hydrographic research (US14063)		10
Retrieval ADCP mooring system		11
Set ADCP mooring system		12
Arrival at and departure from Usujiri		12
Finish hydrographic research (US14105)		13
Return to Hakodate		14
Total coverage 384.4 miles		

## 2. Data on Temperature, Salinity and Pressure

Hydrographic work on deck and the data processing were made by the deck officers, crews, research staff and cadets of the “Ushio Maru”. Temperature and salinity were measured by CTD (Seabird SBE-9Plus and SBE-19).

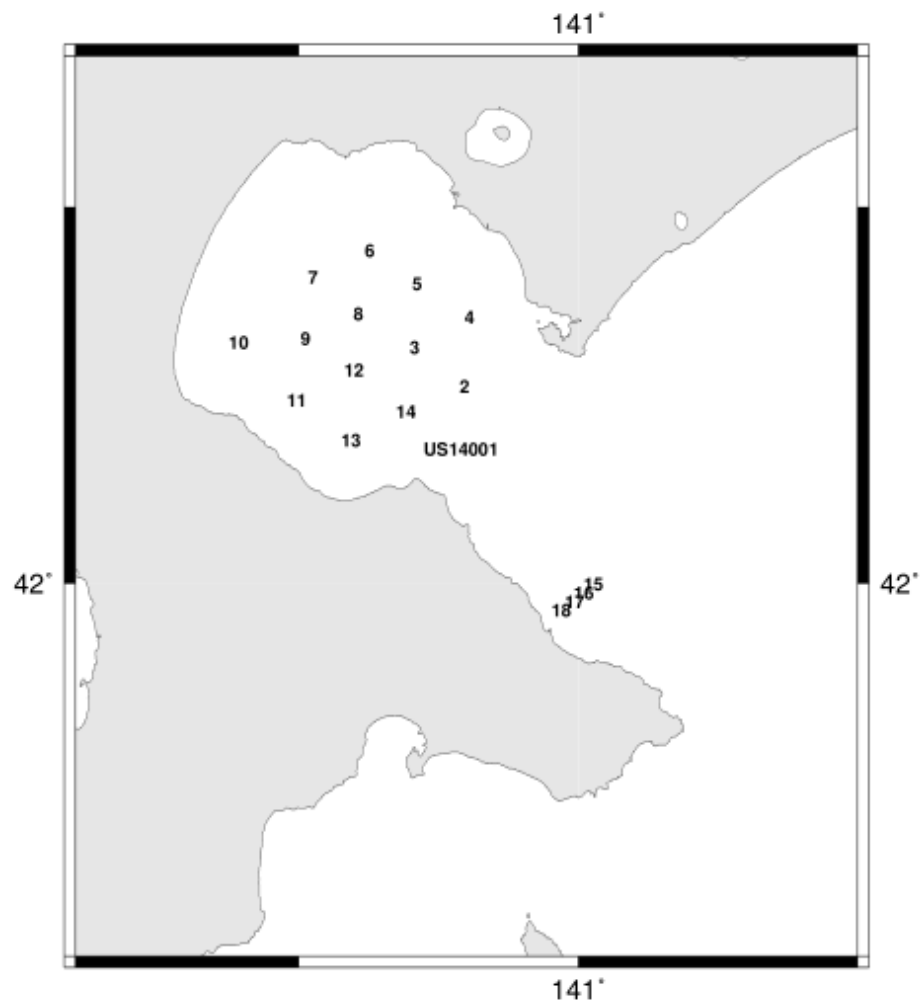


Figure 1. Oceanographic stations (Cruise 300)

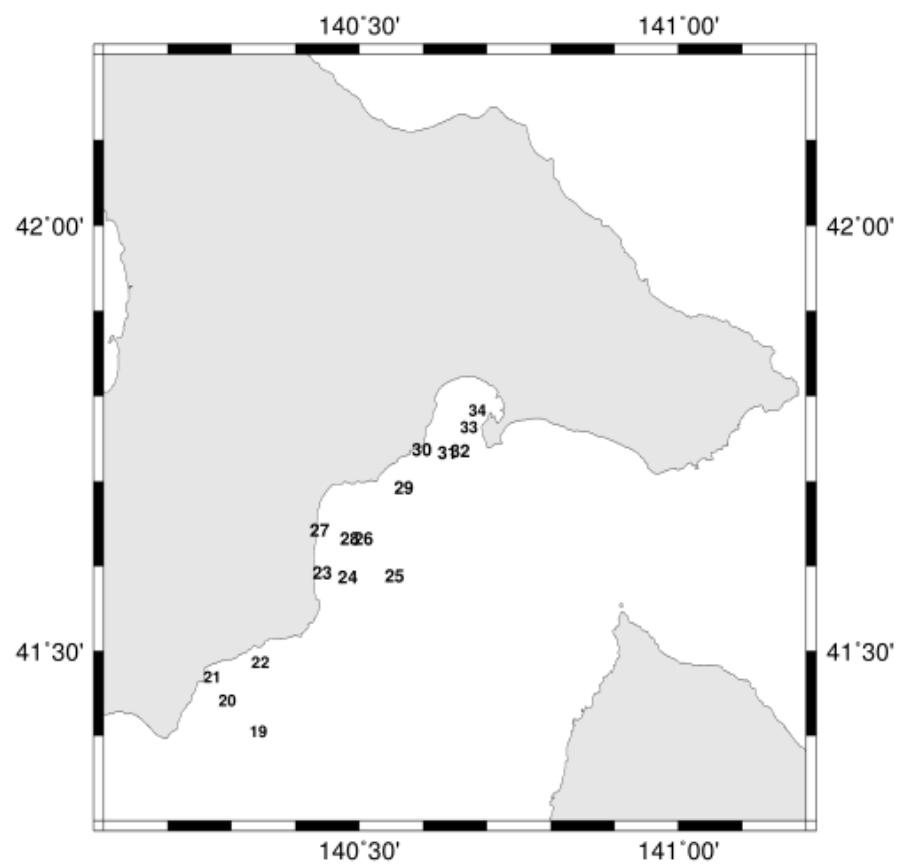


Figure 2. Oceanographic stations (Cruise 300)

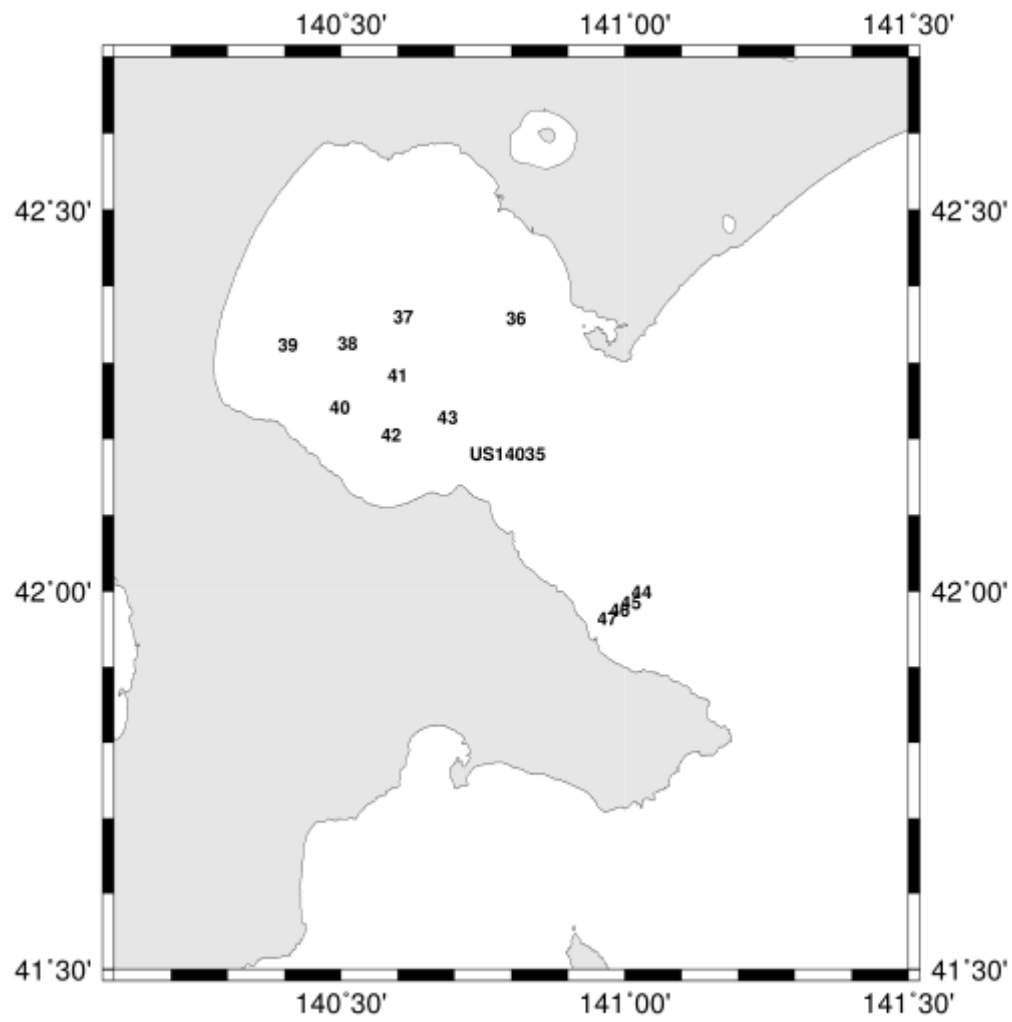


Figure 3. Oceanographic stations (Cruise 301)

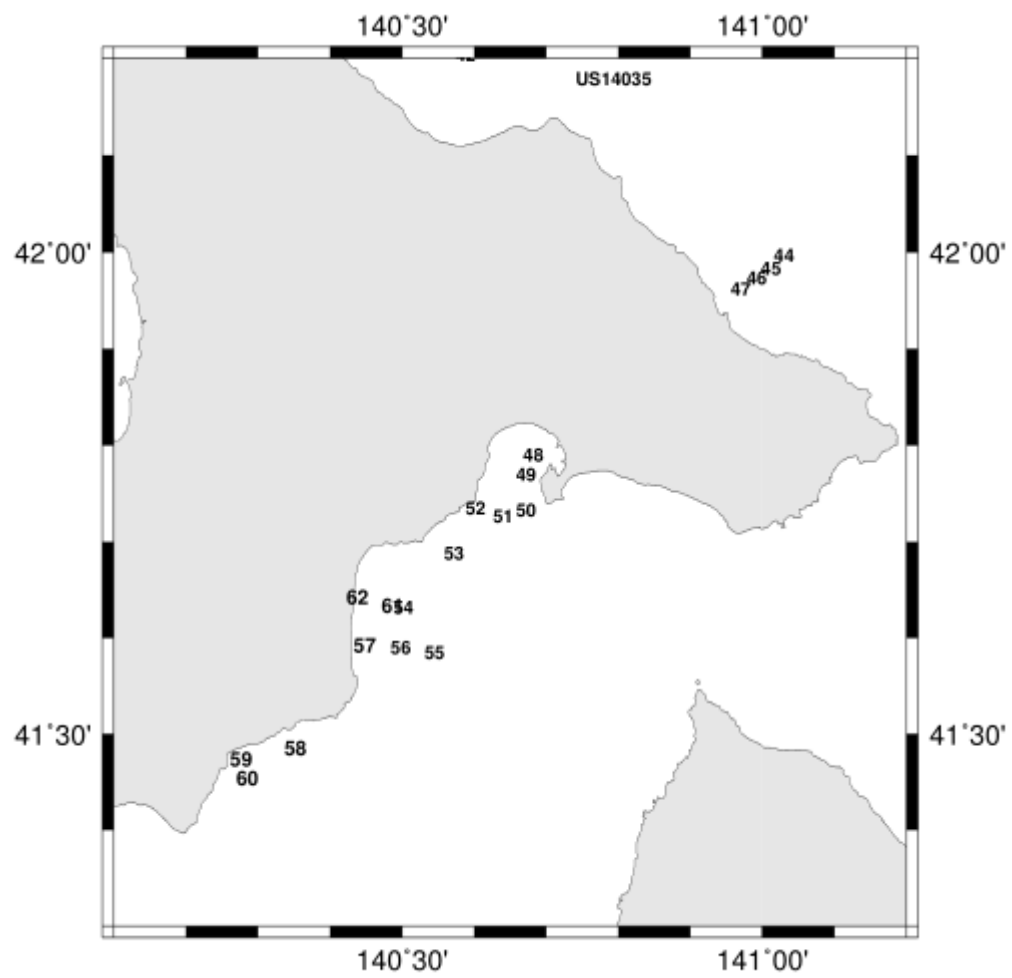


Figure 4. Oceanographic stations (Cruise 301)

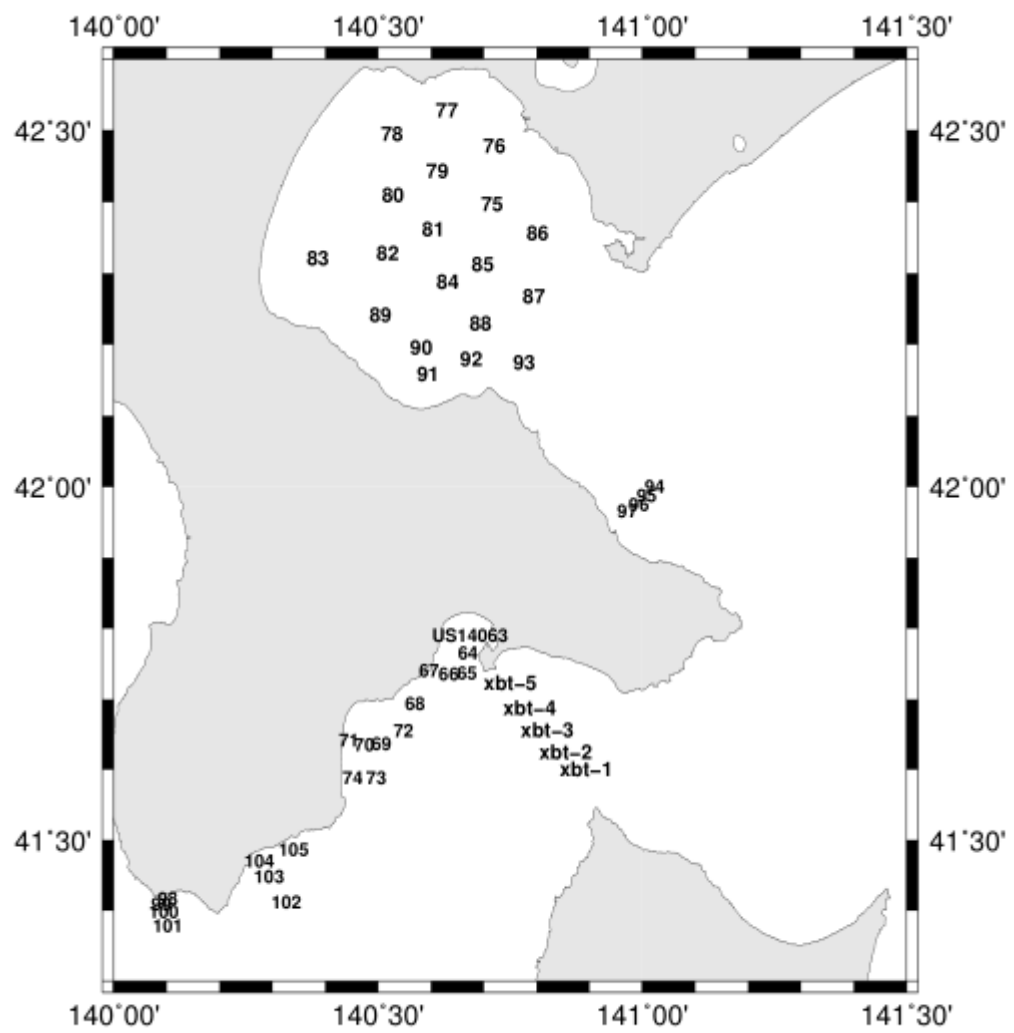


Figure 5. Oceanographic stations (Cruise 302)

Table 1. List of Oceanographic Station

Cruise 300											
Station	Lat. (N)*	Long. (E)*	Date	S.M.T.	Depth(m)	Wave	Swell	Wind	Air Temp.	Sea Temp.	Wr.
US14001	42-10.2	140-47.4	1/7	1432-1437	92	SW -2	WNW-1	SW -4	2.8	6.6	c
US14002	42-15.2	140-47.8	1/7	1521-1526	71	WSW-2	West-1	WSW-1	3.4	6.6	o
US14003	42-18.3	140-42.4	1/7	1611-1616	62	SW -2	West-1	SW -4	3.3	6.2	o
US14004	42-20.7	140-48.3	1/8	0645-0650	53	NW -2	NW -1	NW -3	4.1	6.3	o
US14005	42-23.4	140-42.7	1/8	0741-0746	61	NW -2	NW -1	NW -5	4.3	6.2	o
US14006	42-26.0	140-37.6	1/8	0827-0832	82	NW -3	NW -1	NW -5	4.2	6.4	o
US14007	42-23.9	140-31.5	1/8	0917-0923	95	NW -3	NW -1	NW -5	3.8	6.4	o
US14008	42-21.0	140-36.4	1/8	1004-1010	88	NW -2	NW -1	NW -4	3.9	6.3	c
US14009	42-19.0	140-30.7	1/8	1054-1059	93	West-2	NW -1	West-4	4.0	6.4	c
US14010	42-18.7	140-23.5	1/8	1152-1156	55	WNW-3	West-1	WNW-5	3.1	6.5	c
US14011	42-14.1	140-29.7	1/8	1446-1450	76	West-2	West-1	West-4	2.5	6.0	s
US14012	42-16.5	140-35.9	1/8	1336-1341	90	WNW-3	West-1	WNW-5	3.6	6.1	c
US14013	42-10.9	140-35.6	1/8	1439-1444	79	NW -3	West-1	NW -5	2.9	6.3	s
US14014	42-13.2	140-41.5	1/8	1536-1542	89	NW -3	NW -1	NW -5	3.1	6.1	bc
US14015	41-59.4	141-01.6	1/8	1753-1758	99	NW -3	NW -1	NW -5	2.6	6.4	o
US14016	41-58.7	141-00.6	1/8	1806-1811	94	NW -3	NW -1	NW -5	2.7	6.3	o
US14017	41-58.0	140-59.6	1/8	1819-1824	87	NW -3	NW -1	NW -5	2.6	6.4	o
US14018	41-57.3	140-58.2	1/8	1833-1838	77	NW -3	NW -1	NW -5	2.3	6.5	o
US14019	41-23.9	140-20.5	1/9	1129-1134	96	WNW-3	West-1	WNW-5	-1.1	12.1	s
US14020	41-26.1	140-17.6	1/9	1206-1211	71	NW -3	SW -1	NW -5	-1.9	11.1	s
US14021	41-27.8	140-16.2	1/9	1228-1231	24	West-2	SW -1	West-5	-2.6	10.9	s
US14022	41-28.8	140-20.7	1/9	1310-1315	61	NW -3	SW -1	NW -5	-2.3	11.4	s
US14023	41-35.1	140-26.5	1/9	1420-1423	12	NW -2	SE -1	NW -4	-3.0	9.4	s
US14024	41-34.8	140-28.9	1/9	1444-1447	31	West-3	SE -1	West-5	-3.5	10.0	s
US14025	41-34.9	140-33.3	1/9	1518-1522	59	West-3	West-1	West-5	-4.6	10.4	s
US14026	41-37.5	140-30.4	1/10	0733-0737	32	West-2	South-1	West-4	-4.8	10.0	s
US14027	41-38.1	140-26.3	1/10	0804-0806	11	NW -2	SSE-1	NW -5	-6.1	9.9	c
US14028	41-37.5	140-29.1	1/10	0836-0839	24	WNW-3	SSE-1	WNW-5	-6.6	9.9	s
US14029	41-41.1	140-34.2	1/10	0921-0924	41	WNW-3	SW -1	WNW-6	-4.9	9.6	bc
US14030	41-43.8	140-35.9	1/10	0948-0950	17	West-3	SW -1	West-6	-2.8	10.3	bc
US14031	41-43.6	140-38.3	1/10	1018-1023	59	West-3	SW -1	West-5	-3.5	10.5	bc
US14032	41-43.7	140-39.5	1/10	1038-1043	62	NW -3	SW -1	NW -5	-4.4	10.6	s
US14033	41-45.4	140-40.3	1/10	1104-1108	41	West-3	SW -1	West-5	-4.2	10.4	s
US14034	41-46.6	140-41.1	1/10	1126-1129	22	West-2	SW -1	West-4	-4.8	9.0	s

Table 1 (Continued)

Cruise 301											
Station	Lat. (N)*	Long. (E)*	Date	S.M.T.	Depth(m)	Wave	Swell	Wind	Air Temp.	Sea Temp.	Wr.
US14036	42-21.0	140-48.5	1/27	0638-0642	52	NNW-2	WNW-1	NNW-5	-3.9	3.8	c
US14037	42-21.1	140-36.6	1/27	0745-0750	88	NW -3	NW -1	NW -5	-4.4	4.4	bc
US14038	42-19.0	140-30.7	1/27	0835-0840	93	NW -2	NW -1	NW -4	-4.5	4.8	bc
US14039	42-18.9	140-24.4	1/27	0926-0930	62	West-2	NW -1	West-4	-4.6	4.5	s
US14040	42-14.0	140-29.9	1/27	1025-1028	77	West-2	NW -1	West-4	-3.4	4.6	bc
US14041	42-16.5	140-36.0	1/27	1115-1120	92	WNW-2	NW -1	WNW-4	-1.3	4.7	s
US14042	42-11.8	140-35.3	1/27	1239-1243	83	West-3	West-1	West-5	-2.9	4.8	bc
US14043	42-13.2	140-41.3	1/27	1326-1330	89	NW -2	NW -1	NW -4	-1.6	4.4	bc
US14044	41-59.4	141-01.8	1/27	1538-1545	100	West-2	NW -1	West-4	-1.1	4.0	bc
US14045	41-58.6	141-00.7	1/27	1553-1558	94	West-2	NW -1	West-4	-1.9	4.3	bc
US14046	41-58.0	140-59.5	1/27	1607-1611	86	West-2	NW -1	West-3	-2.1	4.1	bc
US14047	41-57.3	140-58.2	1/27	1620-1624	78	West-2	NW -1	West-3	-2.1	4.1	bc
US14048	41-47.0	140-40.9	1/28	1217-1219	21	SW -3	SW -1	SW -5	3.5	5.4	s
US14049	41-45.8	140-40.3	1/28	1237-1240	30	West-3	SW -1	West-5	2.0	8.9	s
US14050	41-43.6	140-40.3	1/28	1302-1305	66	NW -2	SW -2	NW -5	1.8	9.1	s
US14051	41-43.2	140-38.4	1/28	1324-1328	63	WSW-2	SW -2	WSW-4	1.7	9.1	s
US14052	41-43.7	140-36.1	1/29	0722-0725	24	NW -3	SW -1	NW -5	-5.6	8.5	s
US14053	41-40.9	140-34.3	1/29	0752-0756	42	West-3	SW -1	West-5	-5.0	8.4	s
US14054	41-37.5	140-30.1	1/29	0831-0835	30	West-3	SSW-1	West-5	-5.0	7.5	s
US14055	41-34.7	140-32.7	1/29	0905-0909	63	West-3	SSW-1	West-5	-5.6	8.0	s
US14056	41-35.0	140-29.9	1/29	0933-0936	44	West-2	South-1	West-4	-4.8	7.8	bc
US14057	41-35.1	140-26.9	1/29	1002-1004	15	West-2	South-1	West-4	-4.8	7.5	bc
US14058	41-28.7	140-21.1	1/29	1102-1105	66	West-3	SW -2	West-5	-4.3	8.2	s
US14059	41-28.0	140-16.6	1/29	1137-1140	31	NW -2	SW -1	NW -4	-4.6	7.9	s
US14060	41-26.8	140-17.1	1/29	1158-1202	57	NW -1	SW -1	NW -3	-4.2	8.2	c
US14061	41-37.6	140-29.2	1/29	1343-1345	26	West-2	SW -1	West-4	-2.7	8.1	s
US14062	41-38.1	140-26.3	1/29	1401-1403	12	West-2	SSW-1	West-4	-4.0	7.3	s



Table 1 (Continued)

Cruise 302

Station	Lat. (N)*	Long. (E)*	Date	S.M.T.	Depth(m)	Wave	Swell	Wind	Air Temp.	Sea Temp.	Wr.
US14063	41-46.9	140-40.4	2/10	0846-0849	21	NW -1	South-1	NW -2	-1.3	5.0	bc
US14064	41-45.4	140-40.2	2/10	0907-0911	40	Calm	South-1	Calm	-0.6	4.7	bc
US14065	41-43.7	140-40.1	2/10	0931-0935	64	West-1	SE -1	West-3	-0.5	4.2	c
US14066	41-43.6	140-38.0	2/10	0952-0956	58	WNW-1	East-1	WNW-3	-0.3	4.7	bc
US14067	41-43.9	140-35.8	2/10	1008-1010	14	NW -1	East-1	NW -3	0.0	4.7	bc
US14068	41-41.1	140-34.2	2/10	1043-1047	41	West-1	East-1	West-3	0.8	5.5	bc
US14069	41-37.7	140-30.4	2/10	1120-1123	33	West-1	East-1	West-3	1.5	5.7	bc
US14070	41-37.6	140-28.4	2/10	1140-1143	24	Calm	East-1	Calm	1.9	5.2	bc
US14071	41-38.0	140-26.7	2/10	1154-1157	16	NW -2	East-1	NW -4	2.0	5.6	bc
US14072	41-38.8	140-32.9	2/10	1248-1252	62	NW -2	East-1	NW -4	2.0	6.4	bc
US14073	41-34.8	140-29.8	2/10	1315-1318	45	West-1	East-1	West-3	2.6	6.0	bc
US14074	41-34.8	140-27.1	2/10	1342-1345	23	West-2	East-1	West-5	2.4	5.6	bc
US14075	42-23.2	140-42.9	2/11	0602-0606	60	North-1	ESE-1	North-3	-1.5	2.8	bc
US14076	42-28.1	140-43.2	2/11	0655-0659	60	North-1	North-1	North-3	-1.8	2.7	bc
US14077	42-31.1	140-37.8	2/11	0747-0751	62	North-1	North-1	North-3	-2.3	2.8	bc
US14078	42-29.1	140-31.6	2/11	0835-0839	75	NW -2	NW -1	NW -4	-1.4	2.7	bc
US14079	42-26.0	140-36.7	2/11	0933-0937	85	WNW-1	NW -1	WNW-3	-0.3	2.8	bc
US14080	42-24.0	140-31.7	2/11	1023-1028	96	NW -1	ESE-1	NW -2	-0.2	2.9	bc
US14081	42-21.1	140-36.3	2/11	1115-1120	89	NW -2	ESE-1	NW -4	0.5	3.0	c
US14082	42-19.1	140-31.1	2/11	1205-1210	94	NW -2	ESE-1	NW -4	-0.1	2.9	bc
US14083	42-18.7	140-23.2	2/11	1305-1308	54	North-1	ESE-1	North-3	-0.1	3.2	s
US14084	42-16.7	140-37.9	2/11	1437-1442	88	NW -2	ESE-1	NW -4	0.3	3.0	bc
US14085	42-18.2	140-41.9	2/11	1538-1542	66	NW -2	NW -1	NW -4	0.1	2.8	c
US14086	42-20.8	140-48.1	2/11	1624-1628	53	NW -3	NW -1	NW -5	0.1	3.1	bc
US14087	42-15.5	140-47.7	2/12	0610-0614	71	West-2	ESE-1	West-4	-1.6	3.0	c
US14088	42-13.2	140-41.6	2/12	0659-0703	89	NW -2	ESE-1	NW -4	-2.0	2.6	bc
US14089	42-13.9	140-30.3	2/12	0834-0838	79	West-1	East-1	West-3	-2.5	2.7	bc
US14090	42-11.2	140-34.9	2/12	0928-0933	80	NW -1	ESE-1	NW -3	-2.2	2.7	bc
US14091	42-08.9	140-35.7	2/12	1032-1036	66	NW -1	East-1	NW -2	-1.5	3.3	bc
US14092	42-10.2	140-40.6	2/12	1112-1116	85	NW -1	East-1	NW -3	0.3	3.2	bc
US14093	42-09.9	140-46.6	2/12	1155-1200	95	NW -1	East-1	NW -3	0.1	2.6	bc
US14094	41-59.5	141-01.4	2/12	1333-1337	98	NW -2	NW -1	NW -4	-0.4	2.9	bc
US14095	41-58.7	141-00.5	2/12	1345-1348	94	NW -2	NW -1	NW -4	-0.2	2.9	bc
US14096	41-58.0	140-59.6	2/12	1355-1359	88	NW -2	NW -1	NW -4	-0.2	3.1	bc
US14097	41-57.4	140-58.3	2/12	1406-1410	80	NW -2	NW -1	NW -4	-0.4	3.2	bc
US14098	41-24.5	140-06.1	2/13	0630-0634	56	NW -2	West-1	NW -4	-0.3	7.1	o
US14099	41-24.0	140-05.4	2/13	0648-0653	79	NW -3	West-2	NW -5	0.8	7.1	o
US14100	41-23.4	140-05.7	2/13	0708-0713	102	NW -3	West-2	NW -5	0.9	7.3	c
US14101	41-22.2	140-06.1	2/13	0734-0740	119	NW -3	SW -1	NW -5	0.4	7.1	s
US14102	41-24.2	140-19.6	2/13	0900-0905	95	NW -1	SW -1	NW -2	0.9	6.6	bc
US14103	41-26.4	140-17.6	2/13	0932-0936	68	NW -1	SW -1	NW -2	0.5	7.7	bc
US14104	41-27.7	140-16.5	2/13	0958-1001	33	NW -2	SW -1	NW -3	1.0	7.2	c
US14105	41-28.7	140-20.4	2/13	1033-1036	61	West-2	SW -1	West-4	0.3	8.5	s

(\*): Fixed position by Global Positioning System

S.M.T.: Ship's mean time

Wr.: Weather in WMO Code 4501

Table 2. Oceanographic data

STATION US14001				STATION US14002				STATION US14003			
LATITUDE 42-10.2 N				LATITUDE 42-15.2 N				LATITUDE 42-18.3 N			
LONGITUI 140-47.4 E				LONGITUI 140-47.8 E				LONGITUI 140-42.4 E			
DEPTH (m) 92				DEPTH (m) 71				DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	7.033	33.469	26.208	5	6.616	33.516	26.301	5	6.605	33.517	26.304
10	7.029	33.468	26.208	10	6.616	33.516	26.301	10	6.601	33.516	26.304
20	7.033	33.464	26.205	20	6.617	33.516	26.301	20	6.612	33.518	26.303
30	7.033	33.468	26.207	30	6.596	33.513	26.301	30	6.623	33.528	26.310
40	6.776	33.454	26.231	40	6.496	33.511	26.313	40	6.627	33.528	26.309
50	6.735	33.477	26.255	50	6.463	33.515	26.321	50	6.638	33.530	26.310
75	6.896	33.532	26.277								
STATION US14004				STATION US14005				STATION US14006			
LATITUDE 42-20.7 N				LATITUDE 42-23.4 N				LATITUDE 42-26.0 N			
LONGITUI 140-48.3 E				LONGITUI 140-42.7 E				LONGITUI 140-37.6 E			
DEPTH (m) 53				DEPTH (m) 61				DEPTH (m) 82			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	6.473	33.534	26.334	5	6.597	33.572	26.348	5	6.697	33.612	26.366
10	6.480	33.536	26.335	10	6.610	33.575	26.349	10	6.701	33.609	26.364
20	6.488	33.538	26.336	20	6.651	33.607	26.368	20	6.699	33.610	26.364
30	6.484	33.539	26.336	30	6.651	33.610	26.370	30	6.708	33.613	26.366
40	6.458	33.548	26.347	40	6.661	33.612	26.371	40	6.754	33.619	26.364
50	6.432	33.549	26.352	50	6.665	33.613	26.371	50	6.748	33.617	26.364
								75	6.781	33.621	26.362
STATION US14007				STATION US14008				STATION US14009			
LATITUDE 42-23.9 N				LATITUDE 42-21.0 N				LATITUDE 42-19.0 N			
LONGITUI 140-31.5 E				LONGITUI 140-36.4 E				LONGITUI 140-30.7 E			
DEPTH (m) 95				DEPTH (m) 88				DEPTH (m) 93			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	6.859	33.642	26.369	5	6.611	33.555	26.333	5	6.889	33.646	26.367
10	6.860	33.641	26.367	10	6.612	33.553	26.331	10	6.884	33.643	26.366
20	6.856	33.641	26.368	20	6.623	33.561	26.336	20	6.876	33.644	26.367
30	6.856	33.640	26.367	30	6.746	33.599	26.350	30	6.873	33.643	26.367
40	6.836	33.635	26.365	40	6.735	33.609	26.359	40	6.872	33.642	26.367
50	6.833	33.634	26.366	50	6.750	33.618	26.364	50	6.870	33.642	26.367
75	6.808	33.631	26.366	75	6.764	33.622	26.365	75	6.852	33.641	26.368
STATION US14010				STATION US14011				STATION US14012			
LATITUDE 42-18.7 N				LATITUDE 42-14.1 N				LATITUDE 42-16.5 N			
LONGITUI 140-23.5 E				LONGITUI 140-29.7 E				LONGITUI 140-35.9 E			
DEPTH (m) 55				DEPTH (m) 76				DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	6.795	33.645	26.379	5	6.236	33.518	26.352	5	6.543	33.596	26.374
10	6.793	33.645	26.379	10	6.218	33.514	26.351	10	6.541	33.597	26.375
20	6.791	33.645	26.379	20	6.447	33.568	26.364	20	6.542	33.597	26.375
30	6.792	33.644	26.379	30	6.591	33.602	26.372	30	6.556	33.600	26.375
40	6.793	33.645	26.379	40	6.604	33.609	26.376	40	6.570	33.604	26.376
50	6.790	33.644	26.379	50	6.697	33.624	26.376	50	6.581	33.605	26.376
				75	6.702	33.628	26.378	75	6.472	33.599	26.386
STATION US14013				STATION US14014				STATION US14015			
LATITUDE 42-10.9 N				LATITUDE 42-13.2 N				LATITUDE 41-59.4 N			
LONGITUI 140-35.6 E				LONGITUI 140-41.5 E				LONGITUI 141-01.6 E			
DEPTH (m) 79				DEPTH (m) 89				DEPTH (m) 99			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	6.566	33.512	26.304	5	6.566	33.525	26.315	5	7.111	33.415	26.155
10	6.566	33.511	26.304	10	6.573	33.524	26.313	10	7.109	33.415	26.155
20	6.573	33.513	26.304	20	6.562	33.525	26.315	20	6.880	33.438	26.204
30	6.578	33.514	26.305	30	6.582	33.527	26.315	30	6.740	33.460	26.240
40	6.581	33.515	26.305	40	6.585	33.525	26.313	40	6.714	33.464	26.247
50	6.591	33.518	26.306	50	6.611	33.537	26.319	50	6.703	33.466	26.250
75	6.618	33.532	26.313	75	6.644	33.551	26.325	75	6.411	33.453	26.278

Table 2. (Continued)

STATION US14016				STATION US14017				STATION US14018			
LATITUDE 41-58.7 N				LATITUDE 41-58.0 N				LATITUDE 41-57.3 N			
LONGITUI 141-00.6 E				LONGITUI 140-59.6 E				LONGITUI 140-58.2 E			
DEPTH (m) 94				DEPTH (m) 87				DEPTH (m) 77			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	6.667	33.461	26.251	5	6.832	33.471	26.237	5	7.072	33.470	26.204
10	6.661	33.464	26.254	10	6.833	33.470	26.237	10	7.064	33.469	26.204
20	6.673	33.463	26.252	20	6.829	33.472	26.238	20	7.071	33.470	26.204
30	6.667	33.462	26.252	30	6.773	33.479	26.251	30	7.082	33.472	26.204
40	6.664	33.458	26.249	40	6.800	33.500	26.264	40	7.069	33.488	26.219
50	6.406	33.442	26.270	50	6.732	33.485	26.262	50	6.967	33.499	26.241
75	6.329	33.455	26.290	75	6.573	33.480	26.279				
STATION US14019				STATION US14020				STATION US14021			
LATITUDE 41-23.9 N				LATITUDE 41-26.1 N				LATITUDE 41-27.8 N			
LONGITUI 140-20.5 E				LONGITUI 140-17.6 E				LONGITUI 140-16.2 E			
DEPTH (m) 96				DEPTH (m) 71				DEPTH (m) 24			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	12.451	33.826	25.591	5	11.515	33.867	25.800	5	11.248	33.875	25.855
10	12.454	33.829	25.593	10	11.515	33.867	25.799	10	11.265	33.878	25.854
20	12.407	33.835	25.607	20	11.423	33.866	25.816	20	11.018	33.882	25.901
30	12.368	33.842	25.620	30	11.143	33.896	25.890				
40	12.352	33.848	25.628	40	10.912	33.907	25.940				
50	12.310	33.853	25.639	50	10.354	33.851	25.995				
75	10.495	33.894	26.004								
STATION US14022				STATION US14023				STATION US14024			
LATITUDE 41-28.8 N				LATITUDE 41-35.1 N				LATITUDE 41-34.8 N			
LONGITUI 140-20.7 E				LONGITUI 140-26.5 E				LONGITUI 140-28.9 E			
DEPTH (m) 61				DEPTH (m) 12				DEPTH (m) 31			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	11.746	33.873	25.761	5	9.692	33.675	25.969	5	10.391	33.909	26.033
10	11.741	33.868	25.758	10	9.846	33.807	26.046	10	10.409	33.914	26.034
20	11.668	33.866	25.770					20	10.429	33.914	26.030
30	11.531	33.872	25.801					30	10.436	33.915	26.030
40	10.659	33.795	25.898								
50	10.019	33.900	26.090								
STATION US14025				STATION US14026				STATION US14027			
LATITUDE 41-34.9 N				LATITUDE 41-37.5 N				LATITUDE 41-38.1 N			
LONGITUI 140-33.3 E				LONGITUI 140-30.4 E				LONGITUI 140-26.3 E			
DEPTH (m) 59				DEPTH (m) 32				DEPTH (m) 11			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	10.730	33.906	25.971	5	10.290	33.954	26.085	5	9.563	33.793	26.082
10	10.745	33.905	25.968	10	10.292	33.952	26.084	10	9.596	33.791	26.075
20	10.678	33.899	25.975	20	10.301	33.954	26.084				
30	10.640	33.906	25.987	30	10.299	33.951	26.082				
40	10.576	33.907	25.999								
50	10.379	33.923	26.046								
STATION US14028				STATION US14029				STATION US14030			
LATITUDE 41-37.5 N				LATITUDE 41-41.1 N				LATITUDE 41-43.8 N			
LONGITUI 140-29.1 E				LONGITUI 140-34.2 E				LONGITUI 140-35.9 E			
DEPTH (m) 24				DEPTH (m) 41				DEPTH (m) 17			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	10.212	33.919	26.072	5	10.064	33.845	26.039	5	10.110	33.838	26.026
10	10.226	33.919	26.069	10	10.072	33.846	26.039	10	10.113	33.838	26.025
20	10.250	33.919	26.066	20	10.073	33.846	26.039				
				30	10.049	33.851	26.047				

Table 2 (Continued)

STATION US14031				STATION US14032				STATION US14033			
LATITUDE 41-43.6 N				LATITUDE 41-43.7 N				LATITUDE 41-45.4 N			
LONGITUI 140-38.3 E				LONGITUI 140-39.5 E				LONGITUI 140-40.3 E			
DEPTH (m) 59				DEPTH (m) 62				DEPTH (m) 41			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	10.828	33.889	25.941	5	10.883	33.892	25.934	5	10.152	33.792	25.983
10	10.829	33.890	25.941	10	10.905	33.889	25.928	10	10.148	33.789	25.981
20	10.834	33.890	25.940	20	10.902	33.890	25.929	20	10.108	33.778	25.980
30	10.835	33.890	25.940	30	10.856	33.889	25.936	30	10.035	33.764	25.981
40	10.836	33.889	25.940	40	10.851	33.892	25.939	40	10.024	33.760	25.980
50	10.834	33.889	25.940	50	10.752	33.887	25.953				
STATION US14034				STATION US14035				STATION US14036			
LATITUDE 41-46.6 N				LATITUDE 42-10.3 N				LATITUDE 42-21.0 N			
LONGITUI 140-41.1 E				LONGITUI 140-47.6 E				LONGITUI 140-48.5 E			
DEPTH (m) 22				DEPTH (m) 92				DEPTH (m) 52			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	9.328	33.592	25.964	5	4.823	33.094	26.184	5	4.265	32.921	26.106
10	9.356	33.596	25.962	10	4.842	33.126	26.207	10	4.259	32.922	26.107
20	9.366	33.597	25.961	20	4.941	33.352	26.375	20	4.270	32.923	26.107
				30	5.104	33.541	26.507	30	4.693	33.107	26.208
				40	5.227	33.567	26.513	40	5.021	33.219	26.261
				50	5.278	33.577	26.515				
				75	5.203	33.560	26.511				
STATION US14037				STATION US14038				STATION US14039			
LATITUDE 42-21.1 N				LATITUDE 42-19.0 N				LATITUDE 42-18.9 N			
LONGITUI 140-36.6 E				LONGITUI 140-30.7 E				LONGITUI 140-24.4 E			
DEPTH (m) 88				DEPTH (m) 93				DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.770	33.260	26.321	5	5.105	33.564	26.525	5	4.902	33.521	26.514
10	4.768	33.258	26.320	10	5.117	33.564	26.524	10	4.896	33.521	26.515
20	4.885	33.366	26.393	20	5.129	33.564	26.522	20	4.903	33.523	26.515
30	5.107	33.555	26.517	30	5.127	33.563	26.522	30	4.909	33.523	26.514
40	5.149	33.573	26.527	40	5.123	33.561	26.521	40	4.907	33.523	26.515
50	5.157	33.580	26.532	50	5.125	33.562	26.521	50	4.910	33.526	26.517
75	5.172	33.590	26.538	75	5.129	33.562	26.521				
STATION US14040				STATION US14041				STATION US14042			
LATITUDE 42-14.0 N				LATITUDE 42-16.5 N				LATITUDE 42-11.8 N			
LONGITUI 140-29.9 E				LONGITUI 140-36.0 E				LONGITUI 140-35.3 E			
DEPTH (m) 77				DEPTH (m) 92				DEPTH (m) 83			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	5.033	33.565	26.534	5	5.103	33.586	26.543	5	5.021	33.575	26.543
10	5.028	33.565	26.535	10	5.112	33.584	26.540	10	5.024	33.575	26.543
20	5.027	33.563	26.533	20	5.118	33.583	26.539	20	5.030	33.576	26.543
30	5.027	33.563	26.533	30	5.118	33.583	26.539	30	5.032	33.577	26.543
40	5.026	33.563	26.533	40	5.116	33.583	26.539	40	5.034	33.576	26.543
50	5.026	33.564	26.533	50	5.113	33.583	26.539	50	5.032	33.575	26.542
75	5.018	33.564	26.535	75	5.105	33.586	26.542	75	5.045	33.574	26.540
STATION US14043				STATION US14044				STATION US14045			
LATITUDE 42-13.2 N				LATITUDE 41-59.4 N				LATITUDE 41-58.6 N			
LONGITUI 140-41.3 E				LONGITUI 141-01.8 E				LONGITUI 141-00.7 E			
DEPTH (m) 89				DEPTH (m) 100				DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.763	33.223	26.293	5	4.671	33.009	26.133	5	4.524	32.967	26.115
10	4.764	33.220	26.291	10	4.673	33.015	26.138	10	4.525	32.971	26.118
20	4.772	33.221	26.290	20	4.690	33.016	26.136	20	4.546	32.968	26.114
30	4.981	33.461	26.457	30	4.695	33.018	26.137	30	4.541	32.972	26.117
40	5.104	33.524	26.493	40	4.697	33.019	26.138	40	4.646	33.040	26.160
50	5.113	33.531	26.498	50	4.746	33.065	26.170	50	5.087	33.366	26.370
75	5.063	33.565	26.530	75	5.267	33.579	26.518	75	5.251	33.571	26.513

Table 2 (Continued)

STATION US14046				STATION US14047				STATION US14048			
LATITUDE 41-58.0 N				LATITUDE 41-57.3 N				LATITUDE 41-47.0 N			
LONGITUI 140-59.5 E				LONGITUI 140-58.2 E				LONGITUI 140-40.9 E			
DEPTH (m) 86				DEPTH (m) 78				DEPTH (m) 21			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.466	32.951	26.109	5	4.416	32.967	26.126	5	7.722	33.674	26.273
10	4.475	32.953	26.109	10	4.424	32.969	26.128	10	7.709	33.677	26.277
20	4.482	32.959	26.113	20	4.483	33.002	26.148				
30	4.578	33.037	26.165	30	4.705	33.135	26.229				
40	4.883	33.200	26.261	40	4.775	33.206	26.278				
50	4.978	33.382	26.395	50	5.001	33.365	26.379				
75	4.966	33.460	26.459	75	4.869	33.368	26.396				
STATION US14049				STATION US14050				STATION US14051			
LATITUDE 41-45.8 N				LATITUDE 41-43.6 N				LATITUDE 41-43.2 N			
LONGITUI 140-40.3 E				LONGITUI 140-40.3 E				LONGITUI 140-38.4 E			
DEPTH (m) 30				DEPTH (m) 66				DEPTH (m) 63			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	9.145	33.870	26.210	5	9.424	33.895	26.185	5	9.412	33.896	26.187
10	9.128	33.870	26.213	10	9.428	33.896	26.185	10	9.423	33.896	26.186
20	8.848	33.839	26.233	20	9.355	33.897	26.198	20	9.115	33.893	26.233
				30	9.048	33.907	26.255	30	8.921	33.921	26.286
				40	8.866	33.918	26.292	40	8.797	33.917	26.302
				50	8.500	33.942	26.368	50	8.541	33.946	26.365
STATION US14052				STATION US14053				STATION US14054			
LATITUDE 41-43.7 N				LATITUDE 41-40.9 N				LATITUDE 41-37.5 N			
LONGITUI 140-36.1 E				LONGITUI 140-34.3 E				LONGITUI 140-30.1 E			
DEPTH (m) 24				DEPTH (m) 42				DEPTH (m) 30			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	8.703	33.885	26.291	5	8.689	33.900	26.306	5	8.065	33.888	26.391
10	8.750	33.893	26.290	10	8.706	33.902	26.304	10	8.073	33.887	26.389
20	8.758	33.899	26.294	20	8.693	33.890	26.297	20	8.089	33.889	26.388
				30	8.261	33.835	26.320				
				40	8.035	33.842	26.359				
STATION US14055				STATION US14056				STATION US14057			
LATITUDE 41-34.7 N				LATITUDE 41-35.0 N				LATITUDE 41-35.1 N			
LONGITUI 140-32.7 E				LONGITUI 140-29.9 E				LONGITUI 140-26.9 E			
DEPTH (m) 63				DEPTH (m) 44				DEPTH (m) 15			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	8.286	33.946	26.403	5	8.126	33.899	26.390	5	7.774	33.803	26.367
10	8.287	33.947	26.404	10	8.132	33.899	26.389	10	7.776	33.804	26.367
20	8.280	33.950	26.407	20	8.137	33.900	26.390				
30	8.276	33.949	26.407	30	8.133	33.900	26.390				
40	8.272	33.950	26.409	40	8.139	33.900	26.389				
50	8.253	33.956	26.416								
STATION US14058				STATION US14059				STATION US14060			
LATITUDE 41-28.7 N				LATITUDE 41-28.0 N				LATITUDE 41-26.8 N			
LONGITUI 140-21.1 E				LONGITUI 140-16.6 E				LONGITUI 140-17.1 E			
DEPTH (m) 66				DEPTH (m) 31				DEPTH (m) 57			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	8.344	33.826	26.301	5	8.430	33.923	26.364	5	8.377	33.943	26.387
10	8.394	33.951	26.391	10	8.431	33.929	26.368	10	8.363	33.943	26.390
20	8.400	33.954	26.392	20	8.392	33.936	26.380	20	8.890	33.950	26.313
30	8.353	33.954	26.399	30	8.391	33.936	26.380	30	9.393	33.904	26.197
40	8.227	33.938	26.406					40	8.959	33.933	26.289
50	7.993	33.967	26.463					50	8.355	33.926	26.377

Table 2 (Continued)

STATION US14061				STATION US14062				STATION US14063			
LATITUDE 41-37.6 N				LATITUDE 41-38.1 N				LATITUDE 41-46.9 N			
LONGITUI 140-29.2 E				LONGITUI 140-26.3 E				LONGITUI 140-40.4 E			
DEPTH (m) 26				DEPTH (m) 12				DEPTH (m) 21			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	8.336	33.882	26.346	5	6.889	33.687	26.400	5	5.299	33.224	26.233
10	8.339	33.883	26.346	10	6.875	33.682	26.397	10	5.448	33.272	26.254
20	8.154	33.869	26.363					20	6.548	33.534	26.324
STATION US14064				STATION US14065				STATION US14066			
LATITUDE 41-45.4 N				LATITUDE 41-43.7 N				LATITUDE 41-43.6 N			
LONGITUI 140-40.2 E				LONGITUI 140-40.1 E				LONGITUI 140-38.0 E			
DEPTH (m) 40				DEPTH (m) 64				DEPTH (m) 58			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	5.066	33.163	26.211	5	4.598	33.075	26.193	5	5.315	33.237	26.242
10	5.206	33.210	26.233	10	4.600	33.079	26.196	10	5.386	33.246	26.240
20	5.255	33.225	26.239	20	5.674	33.345	26.285	20	5.503	33.280	26.253
30	5.662	33.304	26.254	30	6.386	33.476	26.300	30	6.027	33.392	26.279
40	6.586	33.597	26.369	40	7.133	33.663	26.347	40	6.133	33.406	26.277
				50	7.342	33.686	26.336	50	7.416	33.705	26.341
STATION US14067				STATION US14068				STATION US14069			
LATITUDE 41-43.9 N				LATITUDE 41-41.1 N				LATITUDE 41-37.7 N			
LONGITUI 140-35.8 E				LONGITUI 140-34.2 E				LONGITUI 140-30.4 E			
DEPTH (m) 14				DEPTH (m) 41				DEPTH (m) 33			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	5.183	33.169	26.203	5	6.553	33.568	26.350	5	5.861	33.335	26.254
10	5.358	33.239	26.238	10	7.163	33.669	26.348	10	5.842	33.339	26.260
				20	7.346	33.675	26.327	20	7.137	33.677	26.358
				30	7.541	33.714	26.330	30	7.304	33.719	26.368
				40	7.688	33.745	26.334				
STATION US14070				STATION US14071				STATION US14072			
LATITUDE 41-37.6 N				LATITUDE 41-38.0 N				LATITUDE 41-38.8 N			
LONGITUI 140-28.4 E				LONGITUI 140-26.7 E				LONGITUI 140-32.9 E			
DEPTH (m) 24				DEPTH (m) 16				DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	5.615	33.276	26.237	5	7.287	33.783	26.420	5	8.164	33.866	26.359
10	5.666	33.308	26.257	10	7.227	33.793	26.437	10	8.156	33.865	26.360
20	6.838	33.752	26.458					20	8.128	33.877	26.373
								30	8.091	33.877	26.379
								40	8.088	33.879	26.380
								50	8.086	33.879	26.381
STATION US14073				STATION US14074				STATION US14075			
LATITUDE 41-34.8 N				LATITUDE 41-34.8 N				LATITUDE 42-23.2 N			
LONGITUI 140-29.8 E				LONGITUI 140-27.1 E				LONGITUI 140-42.9 E			
DEPTH (m) 45				DEPTH (m) 23				DEPTH (m) 60			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	6.246	33.417	26.271	5	5.927	33.355	26.262	5	3.228	32.958	26.235
10	6.590	33.554	26.334	10	6.154	33.483	26.334	10	3.226	32.960	26.237
20	7.305	33.688	26.343	20	7.155	33.780	26.437	20	3.225	32.961	26.238
30	7.434	33.737	26.364					30	4.088	33.407	26.510
40	7.485	33.753	26.369					40	4.399	33.451	26.513
								50	4.471	33.466	26.517

Table 2 (Continued)

STATION US14076				STATION US14077				STATION US14078			
LATITUDE 42-28.1 N				LATITUDE 42-31.1 N				LATITUDE 42-29.1 N			
LONGITUI 140-43.2 E				LONGITUI 140-37.8 E				LONGITUI 140-31.6 E			
DEPTH (m) 60				DEPTH (m) 62				DEPTH (m) 75			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.127	32.931	26.223	5	2.841	32.748	26.101	5	2.795	33.024	26.326
10	3.128	32.932	26.224	10	3.275	32.956	26.229	10	2.925	33.068	26.350
20	3.165	32.947	26.232	20	3.472	32.983	26.233	20	3.074	33.117	26.376
30	3.042	32.977	26.267	30	3.280	33.000	26.264	30	3.129	33.161	26.405
40	2.948	33.009	26.301	40	3.250	33.052	26.308	40	3.286	33.226	26.443
50	4.550	33.550	26.575	50	4.311	33.394	26.477	50	4.372	33.473	26.533
								75	4.579	33.508	26.539
STATION US14079				STATION US14080				STATION US14081			
LATITUDE 42-26.0 N				LATITUDE 42-24.0 N				LATITUDE 42-21.1 N			
LONGITUI 140-36.7 E				LONGITUI 140-31.7 E				LONGITUI 140-36.3 E			
DEPTH (m) 85				DEPTH (m) 96				DEPTH (m) 89			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.151	33.023	26.294	5	3.080	33.014	26.293	5	3.211	33.061	26.319
10	3.127	33.024	26.297	10	3.057	33.022	26.302	10	3.210	33.063	26.320
20	3.079	33.044	26.317	20	2.973	33.054	26.334	20	3.221	33.070	26.325
30	3.069	33.110	26.370	30	3.034	33.087	26.355	30	3.814	33.248	26.411
40	3.215	33.197	26.427	40	4.637	33.453	26.489	40	4.201	33.346	26.450
50	3.614	33.293	26.466	50	4.963	33.587	26.559	50	4.346	33.426	26.498
75	4.975	33.556	26.533	75	4.931	33.551	26.534	75	4.804	33.537	26.537
STATION US14082				STATION US14083				STATION US14084			
LATITUDE 42-19.1 N				LATITUDE 42-18.7 N				LATITUDE 42-16.7 N			
LONGITUI 140-31.1 E				LONGITUI 140-23.2 E				LONGITUI 140-37.9 E			
DEPTH (m) 94				DEPTH (m) 54				DEPTH (m) 88			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.245	33.055	26.311	5	3.589	33.126	26.335	5	3.272	33.038	26.295
10	3.233	33.055	26.312	10	3.563	33.120	26.333	10	3.427	33.272	26.467
20	3.052	33.099	26.363	20	3.496	33.125	26.344	20	3.810	33.366	26.505
30	3.076	33.127	26.383	30	3.768	33.215	26.389	30	3.746	33.335	26.487
40	3.502	33.261	26.451	40	4.486	33.373	26.442	40	3.814	33.357	26.498
50	4.304	33.428	26.505	50	5.180	33.537	26.495	50	3.886	33.367	26.499
75	4.853	33.539	26.534					75	4.465	33.485	26.533
STATION US14085				STATION US14086				STATION US14087			
LATITUDE 42-18.2 N				LATITUDE 42-20.8 N				LATITUDE 42-15.5 N			
LONGITUI 140-41.9 E				LONGITUI 140-48.1 E				LONGITUI 140-47.7 E			
DEPTH (m) 66				DEPTH (m) 53				DEPTH (m) 71			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.431	32.939	26.202	5	3.536	32.941	26.194	5	3.451	32.850	26.128
10	3.436	32.944	26.205	10	3.551	32.942	26.193	10	3.446	32.843	26.124
20	3.598	32.994	26.230	20	3.550	32.942	26.193	20	3.436	32.838	26.120
30	3.186	33.006	26.277	30	3.575	32.973	26.215	30	3.903	32.999	26.204
40	3.216	33.085	26.337	40	3.430	32.976	26.231	40	4.011	33.005	26.198
50	3.235	33.096	26.344	50	3.160	33.035	26.303	50	4.564	33.259	26.343
STATION US14088				STATION US14089				STATION US14090			
LATITUDE 42-13.2 N				LATITUDE 42-13.9 N				LATITUDE 42-11.2 N			
LONGITUI 140-41.6 E				LONGITUI 140-30.3 E				LONGITUI 140-34.9 E			
DEPTH (m) 89				DEPTH (m) 79				DEPTH (m) 80			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.095	33.009	26.288	5	3.188	33.128	26.374	5	3.081	33.125	26.381
10	3.105	33.008	26.286	10	3.177	33.128	26.375	10	3.079	33.123	26.380
20	3.549	33.279	26.461	20	3.144	33.149	26.395	20	3.303	33.185	26.409
30	3.957	33.394	26.513	30	3.415	33.238	26.441	30	3.367	33.228	26.438
40	4.285	33.432	26.510	40	3.664	33.326	26.487	40	3.694	33.311	26.473
50	4.327	33.431	26.505	50	3.777	33.368	26.510	50	4.376	33.507	26.559
75	4.748	33.507	26.520	75	5.092	33.563	26.526	75	4.800	33.548	26.547

Table 2 (Continued)

STATION US14091				STATION US14092				STATION US14093			
LATITUDE 42-08.9 N				LATITUDE 42-10.2 N				LATITUDE 42-09.9 N			
LONGITUI 140-35.7 E				LONGITUI 140-40.6 E				LONGITUI 140-46.6 E			
DEPTH (m) 66				DEPTH (m) 85				DEPTH (m) 95			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.506	33.173	26.381	5	3.508	33.185	26.391	5	3.020	33.014	26.298
10	3.475	33.173	26.383	10	3.469	33.184	26.393	10	3.008	33.017	26.301
20	3.474	33.183	26.392	20	3.474	33.194	26.401	20	3.405	33.230	26.436
30	3.336	33.190	26.410	30	3.412	33.196	26.408	30	3.492	33.263	26.454
40	3.299	33.201	26.422	40	3.370	33.219	26.430	40	3.599	33.290	26.465
50	3.221	33.207	26.434	50	3.357	33.242	26.450	50	3.824	33.364	26.502
				75	3.707	33.335	26.490	75	4.936	33.559	26.540
STATION US14094				STATION US14095				STATION US14096			
LATITUDE 41-59.5 N				LATITUDE 41-58.7 N				LATITUDE 41-58.0 N			
LONGITUI 141-01.4 E				LONGITUI 141-00.5 E				LONGITUI 140-59.6 E			
DEPTH (m) 98				DEPTH (m) 94				DEPTH (m) 88			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.262	32.782	26.092	5	3.527	32.887	26.151	5	3.462	32.874	26.147
10	3.253	32.781	26.092	10	3.532	32.885	26.149	10	3.491	32.890	26.157
20	3.445	32.859	26.137	20	3.621	32.929	26.176	20	3.555	32.925	26.178
30	3.423	32.863	26.142	30	3.603	32.924	26.174	30	3.585	32.934	26.183
40	3.419	32.892	26.165	40	3.602	32.930	26.178	40	3.616	32.946	26.190
50	3.500	32.921	26.181	50	3.834	32.985	26.200	50	4.392	33.335	26.421
75	4.452	33.172	26.286	75	4.202	33.403	26.495	75	3.838	33.346	26.486
STATION US14097				STATION US14098				STATION US14099			
LATITUDE 41-57.4 N				LATITUDE 41-24.5 N				LATITUDE 41-24.0 N			
LONGITUI 140-58.3 E				LONGITUI 140-06.1 E				LONGITUI 140-05.4 E			
DEPTH (m) 80				DEPTH (m) 56				DEPTH (m) 79			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.360	32.864	26.148	5	7.407	33.877	26.477	5	7.256	33.902	26.518
10	3.356	32.863	26.148	10	6.462	33.871	26.602	10	7.040	33.912	26.556
20	3.126	32.975	26.258	20	5.394	33.958	26.803	20	6.777	33.968	26.636
30	3.444	33.210	26.417	30	4.952	33.985	26.876	30	5.705	33.966	26.772
40	3.557	33.241	26.430	40	4.691	34.000	26.917	40	4.975	33.962	26.856
50	3.419	33.249	26.449	50	4.653	34.004	26.925	50	4.650	34.011	26.931
75	3.396	33.255	26.456								
STATION US14100				STATION US14101				STATION US14102			
LATITUDE 41-23.4 N				LATITUDE 41-22.2 N				LATITUDE 41-24.2 N			
LONGITUI 140-05.7 E				LONGITUI 140-06.1 E				LONGITUI 140-19.6 E			
DEPTH (m) 102				DEPTH (m) 119				DEPTH (m) 95			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	7.400	33.896	26.494	5	7.400	33.896	26.494	5	6.765	33.931	26.609
10	7.401	33.895	26.492	10	7.401	33.895	26.492	10	6.742	33.937	26.616
20	7.227	33.910	26.529	20	7.227	33.910	26.529	20	6.705	33.951	26.633
30	5.983	33.946	26.722	30	5.983	33.946	26.722	30	6.730	33.938	26.618
40	5.412	33.986	26.823	40	5.412	33.986	26.823	40	6.699	33.945	26.629
50	4.931	34.003	26.892	50	4.931	34.003	26.892	50	6.656	33.937	26.628
75	4.576	34.014	26.941	75	4.576	34.014	26.941	75	4.607	34.004	26.930
STATION US14103				STATION US14104				STATION US14105			
LATITUDE 41-26.4 N				LATITUDE 41-27.7 N				LATITUDE 41-28.7 N			
LONGITUI 140-17.6 E				LONGITUI 140-16.5 E				LONGITUI 140-20.4 E			
DEPTH (m) 68				DEPTH (m) 33				DEPTH (m) 61			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	8.419	33.900	26.347	5	6.975	33.640	26.351	5	8.770	33.892	26.287
10	8.307	33.903	26.366	10	6.973	33.645	26.355	10	8.711	33.885	26.291
20	7.955	33.916	26.430	20	6.963	33.650	26.360	20	8.508	33.891	26.327
30	7.808	33.932	26.463	30	7.113	33.689	26.371	30	7.988	33.923	26.430
40	7.774	33.932	26.468					40	7.586	33.929	26.493
50	7.601	33.924	26.487					50	6.862	33.916	26.584