GP-02-01
R/V Great Pacific

GMT = ADT + 8hr

1 fm = 1.83 m

D(m) ≅ 2 D(fm) − (fm)/10

Niskin bottle ~2m above C cell.
Assume messenger drops 60 m/min

Seacat SBE 19 S/N 2212
Pressure sensor 178049-2212
SBE 23 Dissolved Oxygen sensor S/N 230601
WET Labs WETStar S/N WS3S-142

1/5

	Date	CTD cast No.	GMT	Latitude (°N)		Longitude (°W)		Bottom Depth (m)	Max wire out (m)	File Name	Data On (GMT)	Start Down (GMT)	At Depth (GMT)	At Surface (GMT)	D.O.	FL	Sal Bottle No	Chloro phyll	Sample Wire out (m)	Sample Trip Time (GMT)	Autosal Sal	Seacat Press	Seacat Sal	Seacat Temp	Remarks
	7/15	191	1345	58	45.03	150	51.91	187	175		1321	1327	1345	1355	x	x	1		90.	1350					Seacat
1	7/17/02	1	1435	59	29.65	139	52.90	70	60		1428	1430	1435	1439		✓	1		6	1438					switch wt
2	7/17/02	2	1738	59	22.74	139	55.67	180	170		1729	1731	1738	1744		✓	2		170	1740					fully on.
3	7/17/02	3	2045	59	13.162	139	59.160	121	111		2039	2040	2045	2049		✓	3		6	2049					2 casts
4	7/17/02	4	2340	59	02.842	140	02.980	121	111		2333	2336	2340	2348		✓	4		111	2342					recorded at
5	7/18/02	5	0246	58	53.455	140	06.312	168	158		0237	0238	0246	0251		✓	5		6	0250					most.
6	7/18/02	6	1439	58	40.251	140	11.761	216	206		1427	1429	1439	1446		✓	6	✓	206	1441					
7	7/18	7	1825	58	30.088	140	14.947	900	220		1816	1816	1825	1832		✓	7	✓	6	1831					
8	7/18	8	2111	58	20.611	140	17.970	2900	220		2100	2101	2111	2119		✓	8	✓	220	2114					
9	7/18-19	9	0009	58	10.540	140	21.603	3420	220		2358	2359	0009	0014		✓	9	✓	6	0014					
10	7/19	10	0306	58	01.481	140	25.230	3400	220		0257	0258	0306	0313		✓	10	✓	220	0309					
11	7/19	11	1427	58	47.897	142	45.694	3240	220		1417	1418	1427	1432		✓	11	✓	6	1432					
12	7/19	12	1703	58	57.861	142	43.543	3378	220		1653	1654	1703	1711		✓	12	✓	220	1706					
13	7/19	13	2033	59	07.805	142	40.425	3168	220		2022	2022	2033	2038		✓	13	✓	6	2038					
14	7/19	14	2327	59	18.015	142	38.677	1908	220		2315	2315	2327	2336		✓	14	✓	220	2330					
15	7/20	15	0209	59	27.766	142	35.636	351	220		0158	0158	0209	0214		✓	15	✓	6	0214					
16	7/20	16	1457	59	44.508	142	32.059	186	176		1439	1447	1457	1502		✓	16	✓	176	1458					
17	7/20	17	1746	59	54.019	142	29.622	121	111		1737	1740	1746	1750		✓	17	✓	6	1750					
18	7/20	18	2130	60	00.206	142	26.833	63	53		2122	2127	2130	2133		✓	18	✓	53	2131					

GP-02-01
R/V Great Pac

1 fm = 1.83 m

GMT = ADT + 8 hr

D(m) ≅ 2 D(fm) − (fm)/10

Niskin bottle ~2m above C coil.
Assume messenger drops 60 m/min

Seacat SBE 19 S/N 2212
Pressure sensor 178049-2212
SBE 23 Dissolved Oxygen sensor S/N 230601
WET Labs WETStar S/N WS3S-142

2/5

	Date	CTD cast No.	GMT	Latitude (°N)		Longitude (°W)		Bottom Depth (m)	Max wire out (m)	File Name	Data On (GMT)	Start Down (GMT)	At Depth (GMT)	At Surface (GMT)	D.O.	FL	Sal Bottle No	Chloro phyll	Sample wire out (m)	Sample Trip Time (GMT)	Autosal Sal	Seacat Press	Seacat Sal	Seacat Temp	Remarks
	7/15	191	1345	58	45.03	150	51.91	187	175		1321	1327	1345	1355	x	x	1		90.	1350					
1	7/21/02	19	0222	59	34.259	142	34.357	151	141	GP020219	0212	0214	0222	0227		✓	19	✓	6	0226					
2	7/21/02	20	1319	59	09.075	144	35.956	3100	220	20	1307	1308	1319	1327		✓	20	—	220	1321					CTD on to next stn.
3	7/21/02	21	1705	59	19.220	144	36.507	2700	220	21	1654	1656	1705	1711		✓	—	—	—	—					Too rough for sampling bttl.
4	7/21/02	22	1950	59	29.000	144	36.377	865	220	22	1935	1937	1950	1956		✓	—	—	—	—					"
5	7/21/02	23	2243	59	37.885	144	36.718	160	150	23	2231	2235	2243	2246		✓	—	—	—	—					"
6	7/22/02	24	0131	59	47.076	144	41.286	45	35	24	0127	0130	0131	0133		✓	21	✓	6	0133					
7	7/22/02	25	1309	59	44.219	147	49.849	61	51	25	1302	1305	1309	1311		✓	22	✓	51	1310					
8	7/22/02	26	1844	59	40.395	147	44.031	110	100	26	1835	1838	1844	1847		✓	23	✓	6	1846					
9	7/22/02	27	2133	59	34.146	147	36.327	124	105	27	2114	2117	2123	2127		✓	24	✓	10.5	2124					On bottom at 112 m.
10	7/22/02	28	2346	59	28.307	147	28.796	113	103	28	2338	2342	2346	2350		✓	25	✓	103	2348					
11	7/23/02	29	0236	59	21.399	147	21.061	135	125	29	0216	0230	0236	0240		✓	26	✓	6	0239					
12	7/23/02	30	0548	59	14.001	147	10.104	194	184	30	0535	0538	0548	0554		✓	27	✓	184	0551					
13	7/23/02	31	1422	59	03.797	146	59.181	1800	220	31	1407	1410	1422	1428		✓	28	✓	6	1428					
14	7/23/02	32	1742	58	53.038	146	44.402	2500	250	32	1728	1730	1742	1754		✓	29	✓	250	1744					
15	7/24/02	33	0148	58	05.806	147	48.307	2150	220	33	0135	0137	0148	0153		✓	30	✓	6	0153					GAK13 ?
16	7/24/02	34	0432	58	14.956	147	55.913	1530	220	34	0419	0422	0432	0440		✓	31	✓	220	0435					GAK12 ?
17	7/24/02	35	1429	58	23.210	148	04.290	1620	220	35	1418	1419	1429	1433		✓	32	✓	6	1433					GAK11 ?
18	7/24/02	36	1733	58	32.422	148	12.358	1400	260	36	1722	1723	1733	1742		✓	33	✓	260	1736					GAK10 ?

GP-02-01
R/V Great Pa...

1 fm = 1.83 m

GMT = ADT + 8 hr

D(m) ≅ 2 D(fm) − ... (fm) / 10

Niskin bottle ~2m above C cell.
Assume messenger drops 60 m/min

Seacat SBE 19 S/N 2212
Pressure sensor 178049-2212
SBE 23 Dissolved Oxygen sensor S/N 230601
WET Labs WETStar S/N WS3S-142

3/5

	Date	CTD cast No.	GMT	Latitude (°N)		Longitude (°W)		Bottom Depth (m)	Max wire out (m)	File Name	Data On (GMT)	Start Down (GMT)	At Depth (GMT)	At Surface (GMT)	D.O.	FL	Sal Bottle No	Chloro phyll	Sample wire out (m)	Sample Trip Time (GMT)	Autosal Sal	Seacat Press	Seacat Sal	Seacat Temp	Remarks
	7/15	191	1345	58	45.03	150	51.91	187	175		1321	1327	1345	1355	x	x	1		90.	1350					
1	7/24/ca	37	2029	58	40.793	148	20.943	272	250		2015	2017	2029	2036		✓	34	✓	6	2035					GAK 9
2	7/24	38	2318	58	48.001	148	29.720	286	250		2301	2305	2318	2326		✓	35	✓	250	2320					GAK 8
3	7/25	39	0337	58	58.356	148	37.670	236	222		0324	0326	0337	0341		✓	36	✓	6	0340					GAK 7 — Alpha Helix on sta.
4	7/25	40	1414	59	07.134	148	50.707	155	145		1405	1407	1414	1419		✓	37	✓	145	1417					GAK 6. Lush bottom
5	7/25	41	1728	59	15.767	148	54.587	162	152		1718	1720	1728	1231		✓	38	✓	6	1731					GAK 5. Alpha Helix, too.
6	7/25	42	2014	59	24.273	149	03.394	194	184		2004	2006	2014	2019		✓	39	✓	184	2016					GAK 4.
7	7/25	43	2259	59	33.254	149	12.330	212	202		2246	2248	2259	2303		✓	40	✓	6	2302					GAK 3, Oshoro Maru & Pavlof line
8	7/26	44	0253	59	50.801	149	27.955	263	220		0240	0242	0253	0300		✓	41	✓	220	0256					GAK 1.
9	7/26	45	1019	59	41.486	149	20.118	223	213		1006	1008	1019	1025		✓	42	✓	213	1022					GAK 2 (1)
10	7/26	46	1437	59	41.647	149	19.505	223	213		1425	1426	1437	1443		✓	43	✓	006	1443					GAK 2 (2)
11	7/26	47	1814	59	41.474	149	18.900	219	209		1800	1803	1814	1821		✓	44	✓	204	1817					GAK 2 (3)
12	7/26	48	2209	59	41.626	149	19.855	219	209		2155	2157	2209	2214		✓	45	✓	006	2214					GAK 2 (4)
13	7/27	49	0216	59	41.680	149	19.652	219	209		0203	0205	0216	0223		✓	46	✓	209	0219					GAK 2 (5)
14	7/27	50	0616	59	41.456	149	20.426	219	209		0602	0605	0616	0621		✓	—	✓	006	0620					GAK 2 (6)
15																									
16																									
17																									
18																									

GP02-01
R/V Great Pacific

GMT = ADT + 8hr

1 fm = 1.83 m

D(m) ≅ 2 D(fm) − D(fm)/10

20 per 100

200 ft → 50 to 170

Niskin bottle ~2m above C cell.

Assume messenger drops 100 m/min

Seacat SBE 19 S/N 2212
Pressure sensor 178049-2212
SBE 23 Dissolved Oxygen sensor S/N 23
WET Labs WETStar S/N WS3S-142

4/5

	Date	CTD cast No.	GMT	Latitude (°N)		Longitude (°W)		Bottom Depth (m)	Max wire out (m)	File Name	Data On (GMT)	Start Down (GMT)	At Depth (GMT)	At Surface (GMT)	D.O.	FL	Sal Bottle No	Chlorophyll	Sample wire out (m)	Sample Trip Time (GMT)	Autosal Sal	Seacat Press	Seacat Sal	Seacat Temp	Remarks
	7/15	191	1345	58	45.03	150	51.91	187	175		1321	1327	1345	1355	x	x	1		90	1350					N GAK
1	7/29	51	1400	59	09.913	150	55.850	33.4 60	55	GP020151	1357	1359	1401+	1404			X	GP0201 051	56	1402					
2	7/29	52	1730	59	02.014	150	50.730	87 164	144	GP020152	1720	1724:30 1725	1731	1735			52	GP0201 052	6	1735					
3	7/29	53	2055	58	52.782	150	44.395	66 119	115	GP020153	2048	2050	2055	2059			X	GP0201 053	115	2056					wind 10°
4	7/30	54	0001	58	44.000	150	38.068	103 183	170	GP020154	2352	2355	7/30 0002	0006			54	GP0201 054	6	0006					[illegible]
5	7/30	55	0301	58	35.058	150	29.111	100 180	170	GP020155	0251	0254	0302	0306			X	GP0201 55	170	0303³⁰					
6	7/30	56	1425	58	25.119	150	22.148	38 68	58	GP020156	1419	1420	1423	1426			X	GP0201 56	6	1426					Slowed from yesterday
7	7/30	57	1658	58	15.992	150	15.883	32 58	50	GP020157	1652	1654	1657	1700			57	GP0201 57	50	1659					
8	7/30	58	1945	58	07.035	150	08.169	140 252	220	GP020158	1929	1931	1945	1949			X	GP0201 58	6	1948					
9	7/30	59	2222	57	58.004	150	02.495	138 247	220	GP020159	2011	2213	2223	2228			59	GP0201 59	220	2225					OK
10	7/31	60	0103	57	50.215	149	55.817	140 252	220	GP020160	0049	0052	0104	0107			X	GP0201 60	6	0107					Time 0103?
11	7/31	61	1431	57	39.027	149	48.357	314 565	220	GP020161	1419	1421	1431	1438			61	GP0201 61	220	1433					
12	7/31	62	1727	57	29.465	149	41.155	>500 ~945	220	GP020162	1716	1718	1728	1731			X	62	6	1731					depths > 500 fm
13	7/31	63	2010	57	20.369	149	33.764	1050 1890 (chart)	220	GP020163	1955	1959	2009	2015			63	GP0201 63	220	2012					are chart estimates
14	7/31	64	2253	57	11.447	149	25.623	1553 2795	220	GP020164	2239	2242	2254	2258			X	64	6	2258					depth from chart
15	8/01	65	1423	56	16.574	150	51.013	2884 5191	220	GP020165	1405	1408	1424	1432			65	65	220	1426					chart
16	8/01	66	1804	56	29.381	151	03.030	1726 3207	220	GP020166	1750	1752	1804	1808			X	66	6	1808					depth from chart
17	8/01	67	2120	56	42.653	151	16.621	625 1125	220	GP020167	2105	2108	2120	2125			67	67	220	2122					d. from chart
18	8/02	68	0038	56	55.754	151	29.809	208 374	220	GP020168	0025	0026	0038	0043			X	68	6	0042					Aqua-green water

Chiniak; Aqua water; Gale

GP-02-01
R/V Great P...

GMT = ADT + 8hr

1 fm = 1.83 m

D(m) ≈ 2 D(fm) − (fm)/10

Kaguyak

Niskin bottle ~2m above C cell

Assume messenger drops 100m/min

Seacat SBE 19 S/N 2212
Pressure sensor 178049-2212
SBE 23 Dissolved Oxygen sensor S/N 2...
WET Labs WETStar S/N WS3S-142

5/5

	Date	CTD Cast No.	GMT	Latitude (°N)		Longitude (°W)		Bottom Depth (m)	Max wire out (m)	File Name	Data On (GMT)	Start Down (GMT)	At Depth (GMT)	At Surface (GMT)	D.O.	FL	Sal Bottle No	Chloro phyll	Sample Wire out (m)	Sample Trip Time (GMT)	Autosal Sal	Seacat Press	Seacat Sal	Seacat Temp	Remarks
	7/15	191	1345	58	45.03	150	51.91	187	175		1321	1327	1345	1355	x	x	1		90.	1350					
1	8/02	69	0339	57	09.047	151	43.721	43 77	67	GP020169	0334 0334	0336	0339	0341			X	GP0201 69	67	0340					
2	8/02	70	1456	57	22.194	151	56.401	37 67	57	GP020170	1452	1454	1457	1458			70	70	6	1458					
3	8/02	71	1819	57	33.877	152	07.442	34 61	53	GP020171	1815	1817	1819	1822			X	71	53	1821		Chiniak ↑			
4	8/03	72	1517	58	02.689	153	26.845	35(39) 63	53	GP020172	1512	1514	1517	1519			72	72	6	1519		Shel ↓			drifting to shallow
5	8/03	73	1815	58	11.025	153	40.773	104 187	180	GP020173	1803	1805	1815	1821			X	73	175	1817					
6	8/03	74	2134	58	22.073	153	55.869	36 65	55	GP020174	2129	2131	2134	2135			74	74	6	2135					End Eshel
7	8/04	75						152 282		X	1554	1456		Cast aborted to recover Jamal's light meter											WShel
8	8/04	75	1519	57	42.022	155	17.062	152 282	220	GP020175	1507	1509	1520	1527			75	75	220	1522					
9	8/04	76	1820	57	34.951	155	03.012	130 234	220	GP020176	1809	1811	1822	1826			X	76	6	1826					
10	8/04	77	2124	57	25.989	154	45.997	44 79	69	GP020177	2119	2121	2124	2128			X	77	69	2125					Kaguyak
11	8/05	78	1344	56	40.525	153	54.003	29 50	40		1339	1341	1343	1345			78	78	40	1344					
12	8/05	79	1638	56	28.823	153	42.511	51 92	82		1632	1635	1639	1641			X	79	6	1641					
13	8/05	80	1942	56	15.581	153	29.227	46 83	73		1937	1938	1942	1947			80	80	73	1943					
14	8/05	81	2223	56	06.423	153	20.279	[illegible] 968	220		2209	2211	2223	2229			X	81	6	2229					532 fm
15	8/06	82	0133	55	54.013	153	07.686	~1200 2160	220		0119	0120	0121	0133			82	82	220	0135					
16	8/06	83	0438	55	40.848	152	54.266	2946	220		0426	0427	0438	0440			•	83	6	0440					
17																									
18																									