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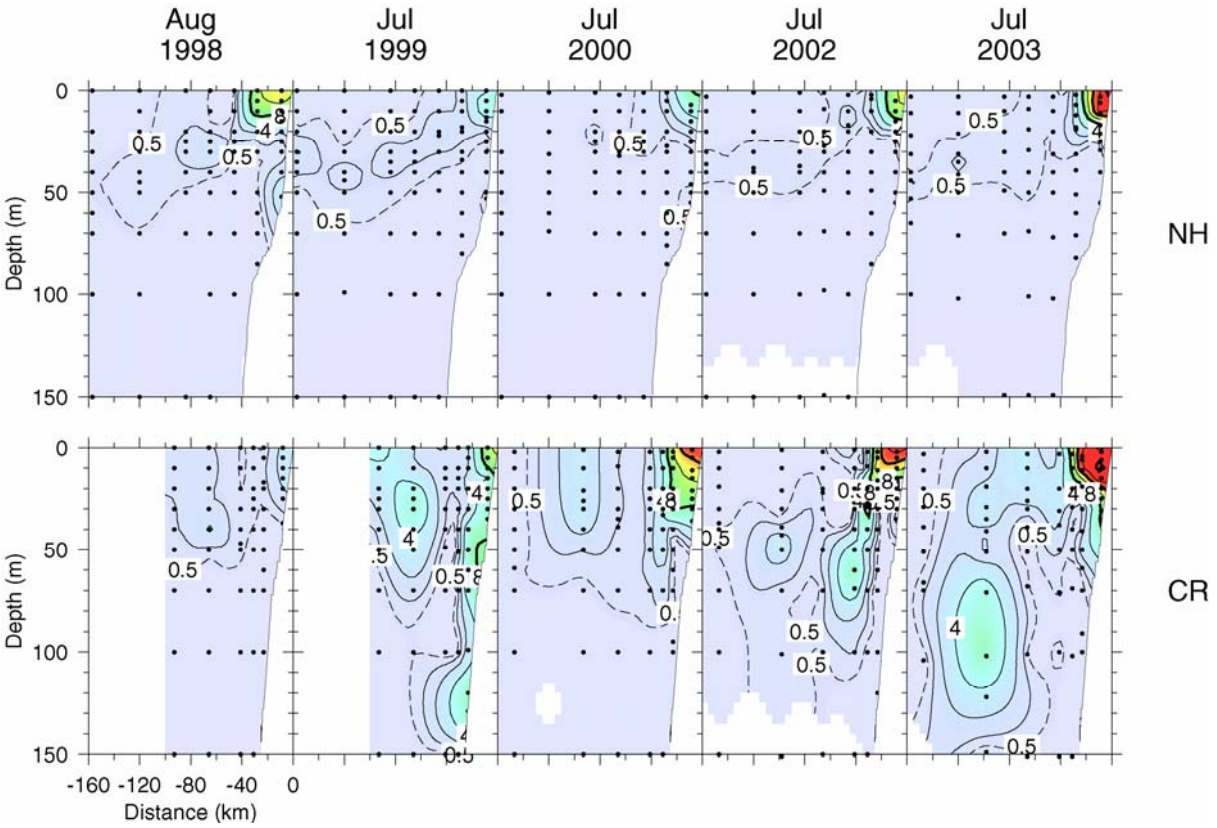
Chl-*a* (µg/L) comparison between the Newport and Crescent City Lines



Nutrient and Extracted Chlorophyll Data from the GLOBEC Long-Term Observation Program, 1997-2004

Jennifer J. Wetz, J. Hill, H. Corwith, and P. A. Wheeler

College of Oceanic and Atmospheric Sciences
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Data Report 193
COAS Reference 2004-1
February 2004

Revised June 2012

Oregon State University

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The nutrient and chlorophyll data included in this report are a complete and corrected version of all data for GLOBEC cruises 1997-2004. This data replaces that included in the 1997-1998 GLOBEC data report (report #172) found on the GLOBEC website at http://ltop.coas.oregonstate.edu/~ctd/index.html.

For further hydrographic information from all cruises, see cruise reports provided on the GLOBEC web page or contact Dr. A Huyer at Oregon State University, COAS, 104 COAS Admin. Bldg., Corvallis, OR, 97331-5503. All chlorophyll and nutrient data that follow include cruise station numbers to allow comparison with the hydrographic information found in other data reports.

Sample Collection

At each station, water samples were collected from various depths with 5 L Niskin bottles on a 12 bottle rosette. Replicate nutrient samples were subsampled from the Niskin bottles into acid-washed Nalgene™ 30- or 60-ml HDPE bottles and stored at -20ºC until analysis. Chlorophyll samples were also taken in duplicate from the Niskin bottles at each station. The samples were drawn into 125-ml Nalgene™ amber polyethylene bottles. Samples were then immediately filtered through precombusted (at 400ºC for 4 h) 25 mm Whatman™ GF/F filters. The filters were then stored in Vacutainer™ tubes at -20ºC until processing.

Nutrient Analysis

Nutrients were analyzed using standard colorimetric methods as adapted for autoanalyzers (Atlas et al. 1971, Gordon et al. 1995). A Technicon AA was used for samples from September 1997 thru April 1998, and again for all samples from July 2001 thru September 2004. For January and March 2001, samples were run partially on a Technicon AA and partially on a hybrid Technicon AA/Alpkem RFA system. Nutrient concentrations were determined from the mean peak heights and calculated from a linear regression thru a five point standard curve prepared in an artificial seawater or low nutrient seawater matrix.

Screening of the data was done initially by calculating standard deviations (SD) and coefficients of variation (CV) for replicates when available (cruises in 2001-2004). Screening criteria for phosphate, silicate, and nitrate were CV $\leq$ 10% or SD $\leq$ 0.5, 2.0, and 1.0, respectively. Criteria for ammonium and nitrite were CV $\leq$ 20%. Any data falling above these criteria were subject to further review and deletion of fliers or erroneous data as necessary. Mean values and standard deviations of CV for four years (2001-2004) are shown in Table 1. In addition, all data was screened by reviewing coherence within salinity and depth profiles and by examination of nitrate:silicate and nitrate:phosphate ratios.

Table 1. Mean coefficient of variation (%) ± SD for replicate nutrient samples.

Nutrient	*2001*	*2002*	*2003*	*2004*	*2001-04 mean*
Phosphate	3.56 ± 5.86	2.83 ± 4.41	3.26 ± 5.47	1.96 ± 2.71	3.05 ± 5.0
Silicate	4.01 ± 7.07	3.42 ± 7.44	5.26 ± 10.69	4.71 ± 7.99	4.25 ± 8.76
Nitrate+Nitrite	3.26 ± 6.24	2.83 ± 6.07	3.56 ± 6.10	4.67 ± 9.65	3.26 ± 6.34
Ammonium	26.86 ± 28.04	14.10 ± 20.94	17.55 ± 21.47	15.74 ± 24.86	17.08 ± 22.71
Nitrite	8.94 ± 14.69	3.20 ± 5.07	7.03 ± 11.54	8.12 ± 11.41	5.83 ± 10.37

Note: the calculation of the above mean values did not include CVs < 0 or > 100.

For 2001 thru 2004 cruises, an analytical error (AE) was also calculated for each standard curve at the beginning and end of the sample runs. The AE was calculated by fitting a linear regression through standard concentrations and adjusted peak heights, including zero points. The resulting slope was then used to determine the error associated with each original standard curve. A mean and standard deviation for the |AE| of each nutrient for each cruise were determined, and negative sample concentration values that fell within the mean AE + 1 SD were assumed to be below detection limits and were reported as 0.00. The mean value ± SD of AE for 2001-2004 are listed in Table 2.

Table 2. Mean analytical error ± SD for 2001-2004.

Nutrient	*Mean AE ± 1SD*
Phosphate	0.03 ± 0.05
Silicate	0.70 ± 0.56
Nitrate+Nitrite	0.21 ± 0.20
Ammonium	0.09 ± 0.13
Nitrite	0.01 ± 0.02

Deep water samples (≥1000m) were further screened with analysis of N:Si, N:P and CV between all samples for each year. CV for phosphate, silicate, Nitrate+Nitrite, and ratios were below 5% (see Table 3). Data was plotted and any fliers were checked and deleted as necessary.

Table 3. Mean coefficient of variation (%) for nutrients and nutrient ratios in deep water samples. 2004 not included as only one cruise.

Nutrient	*2001*	*2002*	*2003*	*97-03 Mean*
Phosphate	3.74	4.43	4.53	4.80
Silicate	4.39	2.67	2.78	3.70
Nitrate+Nitrite	4.61	3.11	3.59	3.44
N:Si	3.85	3.62	3.45	4.44
N:P	3.28	2.73	3.22	3.11

Missing Nutrient Data

Random missing data points are due to problems with individual samples and probably indicate contamination problems, especially for ammonium. Specifically, missing phosphate data for September 1997 resulted from an unidentified bottle contamination problem and occasional reagent flow problems for later cruises. Ammonium and nitrite concentrations from deep water samples were also compromised by baseline problems and are missing sporadically. For November 1997, January 1998, and April 1998, samples deeper than 150m are not included due to poor recovery of high nutrient concentrations. For April 2000, Silicate data for NH65 depths 1-70m has been deleted as values were anomalously high and no other nutrient followed the same trend. For September 2001 thru Feb 2002, ammonium data is missing due to problems with baselines and contamination issues.

Chlorophyll Analysis

Prior to analysis, samples were transferred to plastic centrifuge tubes and extracted with either acetone or methanol for ≥12 hr in the dark at -20ºC. Samples were analyzed on a Turner Designs™ 10-AU Fluorometer. Instrument calibrations were done biannually. A ten point dilution series was made using purified *chl a* extracted from *Anacystis nidulans* algae (Sigma Aldrich Chemicals, Product Number C 6144) in concentrations ranging from 0.1 to 100 µg/l. A secondary solid standard (Turner Designs 10-AU-904) was also used with the Turner 10-AU fluorometer to account for instrument drift. Samples run prior to April 2000 were extracted with acetone, samples from April 2000-September 2004 were extracted with methanol. The use of MeOH as a solvent requires allowing the *A. nidulans* to dissolve for at least 24 hours before calibration. After 24 hours of dissolution, the slopes of the standard curves for acetone vs. methanol vary by less than 10%. See Table 4.

Table 4. Comparison of calibrations done simultaneously with acetone and methanol.

Solvent	*Slope*	*Intercept*	*r-squared*
Acetone	10.84	-0.49	1.00
Methanol	10.09	-4.27	0.99

Coefficients of variation were also calculated for each chlorophyll replicate sample and generally fall below 10%. Replicate data with a CV > 10% was edited as necessary. Any value greater than 1 sd from the mean was deleted. An average CV±SD for all 2002 data is 7.18 ± 19.67.

Nutrient and Chlorophyll Data Presentation

Nutrient and chlorophyll data are presented as depth profiles for each station along latitudinal lines. Lines are listed by decreasing latitude and stations are listed from inshore to offshore. Cruise ID and station numbers are included for reference to other cruise data. GMT date and GMT time indicate the date/time at the start of the CTD cast. Depth (pressure in dbar), temperature (°C), and salinity are also included as measured by CTD when Niskin bottles were fired (upcast). Units for phosphate, ammonium, silicate, nitrite and nitrate are μM. Chlorophyll units are μg/L.

Acknowledgements

We are grateful to many COAS colleagues who participated in GLOBEC LTOP CTD/rosette sampling. Specifically, the above data collection and analysis would not have been possible without the help of Julie Arrington, Erin Clarke, Jennifer Harman, Lee Karp-Boss, Nobu Kawasaki, Woody Moses, Katie Reser, Kaylene Shearing, Michael Wetz and numerous volunteers. The successful completion of this project would also not have been possible without the dedication of the R/V Wecoma's captain and crew and the OSU Marine Technician Group. The crews of the R/V New Horizon and the R/V Atlantis also contributed to the successful completion of GLOBEC cruises.

The multiple years of data collection were part of the U.S. GLOBEC program and were funded jointly by NOAA and NSF through the following grants: "Pilot Monitoring off Oregon for Climate Change Studies in the Eastern North Pacific" (NOAA contract NA67RJ0151), "Long Term Observations off Oregon for Climate Change Studies in the Eastern North Pacific" (NOAA grant NA860P0589), "Supplemental Monitoring of ENSO Signals in the Eastern North Pacific" (NSF grant OCE-9732386), and GLOBEC Long-Term Observation Program in the Marine Ecosystem of the Northern California Current" (NSF grant OCE-0000733).

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Gordon, L.I., Jennings, J. C., Ross, A.R. and Krest, J.M. 1995. *A suggested protocol for continuous flow automated analysis of seawater nutrients (phosphate, nitrate, nitrite, and silicic acid) in the WOCE hydrographic program and the Joint Global Ocean Fluxes Study*. Oregon State University Technical Report. 93-1 (rev).

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	3	17.58	31.64	0.28	0.06	2.44	0.19	0.00	0.19	0.62
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	4	17.52	31.82	0.26	0.07	1.93	0.07	0.00	0.07	0.48
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	10	17.38	31.92	0.46	0.06	2.63	0.03	0.00	0.03	0.44
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	15	17.32	31.92	0.45	0.19	1.80	0.00	0.00	0.00	0.21
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	21	17.16	32.07	0.45	0.22	1.75	0.11	0.00	0.11	0.29
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	25	16.92	32.14	0.49	0.34	2.19	0.28	0.00	0.28	0.30
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	35	15.86	32.37	0.60	0.57	4.95	1.05	0.00	1.05	0.38
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	40	15.67	32.43	0.65	0.60	5.78	1.33	0.01	1.32	0.38
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	44	15.09	32.51	0.63	0.62	6.49	1.85	0.07	1.78	0.44
W9709B	09/19/97	22:23	3	NH-05	44.65	-124.18	49	14.30	32.66	0.61	0.70	9.42	2.66	0.13	2.53	0.47
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	4	17.31	31.62	0.32	0.12	1.41	0.12	0.02	0.10	0.31
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	5	17.31	31.62	0.22	0.00	1.60	0.03	0.01	0.02	0.28
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	10	17.29	31.62	0.23	0.00	1.44	0.03	0.00	0.03	0.32
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	20	17.01	31.62	0.19	0.00	1.63	0.15	0.00	0.15	0.34
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	26	16.99	31.62	0.25	0.00	1.74	0.06	0.00	0.06	0.44
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	30	15.99	31.84	0.55	0.21	4.29	2.52	0.00	2.52	0.86
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	35	12.57	32.47	1.13	0.59	9.02	7.14	0.11	7.03	0.86
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	40	9.94	32.54	1.07	0.13	10.41	8.18	0.33	7.85	0.63
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	50	9.15	32.78	1.37	0.04	15.43	13.46	0.03	13.43	0.26
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	60	9.13	33.07	1.71	0.42	19.60	17.99	0.12	17.87	0.16
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	69	9.23	33.33	1.91	0.30	25.21	22.12	0.06	22.06	0.16
W9709B	09/20/97	0:52	5	NH-15	44.65	-124.41	86	9.40	33.53	1.92	0.11	27.55	23.89	0.06	23.83	0.11
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	3	17.71	31.76	0.29	0.09	2.09	0.75	0.00	0.75	0.33
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	10	17.72	31.76		0.00	1.69	0.34	0.03	0.31	0.33
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	21	16.74	31.82	0.32	0.08	2.11	0.29	0.02	0.27	0.58
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	25	12.94	32.29	0.56	0.05	4.15	1.28	0.03	1.25	1.03
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	30	12.21	32.37	0.64	0.04	4.94	1.69	0.13	1.56	0.92
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	40	10.98	32.48	0.88	0.05	6.91	4.96	0.18	4.78	0.49
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	50	9.79	32.72	1.17	0.05	10.97	10.12	0.28	9.84	0.15
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	200	8.41	33.91	2.55	0.04	37.75	30.61	0.07	30.54	0.02
W9709B	09/20/97	3:14	7	NH-25	44.65	-124.65	214	8.39	33.91	2.51	0.00	38.19	30.53	0.02	30.51	0.03
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	3	17.12	31.66	0.40	0.09	1.00	0.16	0.00	0.16	0.35
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	20	17.09	31.66	0.41	0.09	0.80	0.16	0.00	0.16	0.37
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	25	16.80	31.69	0.44	0.06	1.33	0.20	0.00	0.20	0.58
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	30	15.53	31.90	0.58	0.07	2.89	0.64	0.06	0.58	0.99
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	35	11.52	32.44	0.78	0.20	4.77	1.87	0.27	1.60	0.72
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	40	11.06	32.48	0.81	0.13	5.13	2.72	0.41	2.31	0.55
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	50	10.17	32.52	0.98	0.03	7.63	5.85	0.15	5.70	0.43
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	60	9.74	32.58	1.13	0.01	10.18	8.47	0.03	8.44	0.24
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	71	9.50	32.68	1.32	0.02	12.01	10.20	0.03	10.17	0.13
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	100	8.85	33.20	1.80	0.02	22.05	19.34	0.02	19.32	0.04
W9709B	09/20/97	6:03	8	NH-35	44.65	-124.88	406	5.85	34.04		0.01		37.97	0.03	37.94	0.01
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	5	17.54	31.67	0.48	0.00	1.34	0.00	0.00	0.00	0.36
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	10	17.54	31.67	0.48	0.01	1.82	0.00	0.00	0.00	0.34
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	20	17.50	31.67	0.52	0.02	1.73	0.00	0.00	0.00	0.45
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	30	13.79	32.20	0.68	0.05	4.51	0.79	0.09	0.70	0.78
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	36	10.77	32.48	0.92	0.01	7.19	3.76	0.37	3.39	0.53
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	40	10.26	32.52	1.01	0.00	9.02	6.31	0.24	6.07	0.35
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	50	9.87	32.65	1.20	0.00	10.89	9.05	0.04	9.01	0.22
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	59	9.01	32.68	1.34	0.00	15.41	12.42	0.00	12.42	0.13
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	70	8.83	32.77	1.41	0.00	16.62	13.31	0.00	13.31	0.12
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	101	8.62	33.52	2.14	0.02	27.59	24.06	0.01	24.05	0.02

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	500	5.32	34.09	3.27	0.00		40.30	0.03	40.27	0.01
W9709B	09/20/97	8:50	9	NH-45	44.65	-125.12	682	4.76	34.20	3.41	0.06		43.97	0.01	43.96	0.01
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	2	17.00	31.71	0.14	0.08	1.84	0.00	0.00	0.00	0.37
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	10	17.00	31.71	0.15	0.07	1.75	0.01	0.00	0.01	0.27
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	19	17.00	31.71	0.12	0.10	2.20	0.07	0.01	0.06	0.35
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	25	16.65	31.78	0.18	0.05	2.20	0.02	0.02	0.00	0.47
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	30	13.67	32.22	0.28	0.02	3.71	0.02	0.08	0.00	0.74
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	35	11.66	32.45	0.55	0.10	5.77	1.73	0.22	1.51	0.90
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	40	10.88	32.49	0.66	0.02	7.22	4.01	0.31	3.70	0.63
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	49	9.71	32.56	0.73	0.00	11.27	8.10	0.01	8.09	0.30
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	69	9.13	32.99		0.04	18.75	16.34	0.09	16.25	0.13
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	100	8.72	33.69		0.00	32.41	25.78	0.00	25.78	0.02
W9709B	09/20/97	12:35	11	NH-65	44.65	-125.6	999	3.61	34.41		0.02		41.99	0.00	41.99	0.02
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	3	17.37	31.69	0.18	0.04	1.91	0.00	0.00	0.00	0.31
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	10	17.36	31.69	0.18	0.10	1.91	0.03	0.00	0.03	0.26
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	20	17.34	31.69	0.30	0.14	2.42	0.00	0.00	0.00	0.39
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	30	11.81	32.39	0.55	0.12	5.73	0.91	0.04	0.87	1.02
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	35	11.43	32.42	0.71	0.25	6.44	1.75	0.12	1.63	1.02
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	40	10.84	32.47	0.75	0.17	7.43	3.39	0.33	3.06	0.79
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	50	10.17	32.54	0.93	0.00	8.92	6.37	0.09	6.28	0.37
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	60	9.79	32.67	1.13	0.02	11.81	9.50	0.01	9.49	0.18
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	70	9.41	32.88	1.32	0.17	16.20	13.41	0.01	13.40	0.10
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	100	8.80	33.37	1.96	0.09	23.57	21.67	0.01	21.66	0.02
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	870	3.99	34.36	3.28	0.01		42.46	0.00	42.46	0.01
W9709B	09/20/97	15:35	12	NH-85	44.65	-126.05	1006	3.65	34.41	3.16	0.08		42.62	0.01	42.61	0.01
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	2	12.38	32.47	0.79	0.05	8.50	3.94	0.18	3.76	1.27
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	4	12.38	32.47	0.74	0.03	8.29	3.95	0.19	3.76	1.16
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	10	12.38	32.47	0.72	0.03	8.46	3.94	0.18	3.76	1.33
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	15	12.37	32.48	0.70	0.02	8.30	3.97	0.18	3.79	1.33
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	22	12.00	32.64	0.82	0.05	11.15	6.40	0.32	6.08	1.25
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	24	12.08	32.75	0.88	0.05	11.48	6.99	0.40	6.59	1.09
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	28	12.08	32.83	0.97	0.04	10.63	7.45	0.59	6.86	0.87
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	31	12.08	32.87	0.93	0.09	10.71	7.41	0.47	6.94	0.65
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	43	11.98	33.02	0.94	0.20	10.09	6.81	0.28	6.53	0.46
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	52	11.90	33.10	0.89	0.20	10.40	7.75	0.35	7.40	0.37
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	3	12.19	32.96	0.69	0.00	7.50	4.91	0.24	4.67	1.79
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	4	12.19	32.96	0.70	0.00	7.64	4.86	0.24	4.62	1.88
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	10	12.20	32.96	0.74	0.00	7.59	4.88	0.24	4.64	1.94
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	19	12.19	32.97	0.74	0.00	7.80	5.12	0.25	4.87	1.92
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	30	11.82	33.16	0.98	0.18	9.23	7.21	0.34	6.87	1.16
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	35	11.58	33.26	1.32	0.22	11.64	10.38	0.54	9.84	0.41
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	41	11.09	33.33	1.55	0.01	16.20	14.02	0.44	13.58	0.31
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	50	11.01	33.33	1.50	0.00	16.97	14.57	0.37	14.20	0.31
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	60	10.84	33.35	1.69	0.00	19.39	15.83	0.28	15.55	0.24
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	70	10.68	33.40	1.71	0.00	19.31	16.82	0.13	16.69	0.29
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	88	10.35	33.48	1.79	0.00	22.99	18.99	0.03	18.96	0.28
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	4	12.15	32.91	0.82	0.00	8.68	5.73	0.29	5.44	1.57
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	10	12.16	32.91	0.76	0.01	8.59	5.71	0.29	5.42	1.49
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	15	12.16	32.91	0.84	0.00	8.69	5.74	0.29	5.45	1.25
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	19	12.15	32.92	0.88	0.01	8.74	5.78	0.32	5.46	1.29

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	31	12.09	32.97	0.98	0.00	9.35	6.69	0.38	6.31	1.11
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	39	11.57	33.20	1.41	0.03	12.64	10.83	0.57	10.26	0.65
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	100	9.86	33.66	2.32	0.00	22.94	21.86	0.00	21.86	0.08
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	151	9.50	33.73	2.31	0.00	19.84	24.14	0.02	24.12	0.07
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	2	13.73	32.34	0.52	0.00	2.65	0.55	0.02	0.53	0.92
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	20	13.15	32.60	0.75	0.02	4.75	2.81	0.14	2.67	0.94
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	29	11.71	33.15	1.30	0.00	10.89	8.96	0.40	8.56	0.98
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	40	10.98	33.38	1.66	0.00	16.64	14.90	0.18	14.72	0.48
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	49	10.53	33.47	1.77	0.00	20.50	17.80	0.02	17.78	0.26
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	5	12.74	32.52	0.72	0.02	5.93	2.87	0.15	2.72	1.37
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	10	12.75	32.52	0.71	0.04	2.76	2.83	0.14	2.69	1.55
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	20	12.61	32.61	0.75	0.03	6.10	3.15	0.16	2.99	1.62
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	24	11.86	32.84	1.19	0.03	10.56	8.57	0.38	8.19	0.72
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	30	11.24	33.05	1.35	0.05	11.51	10.22	0.36	9.86	0.47
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	40	11.49	33.39	1.56	0.00	13.03	13.23	0.65	12.58	0.41
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	50	10.97	33.48	1.84	0.00	17.04	16.46	0.04	16.42	0.19
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	70	9.91	33.52	2.17	0.00	21.93	19.75	0.00	19.75	0.10
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	100	9.17	33.58	2.29	0.00	26.04	21.92	0.00	21.92	0.03
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	151	8.73	33.85	2.36	0.00	23.14	26.22	0.00	26.22	0.02
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	3	14.01	32.28	0.40	0.00	2.11	0.23	0.01	0.22	0.70
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	11	14.01	32.28	0.41	0.00	2.17	0.25	0.01	0.24	0.68
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	20	14.01	32.28	0.40	0.00	1.99	0.26	0.01	0.25	0.72
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	29	14.01	32.27	0.44	0.00	2.09	0.26	0.02	0.24	0.74
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	41	14.01	32.27	0.39	0.00	2.11	0.25	0.02	0.23	0.70
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	50	13.54	32.30	0.44	0.00	3.05	0.97	0.07	0.90	0.61
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	60	10.80	32.59	0.50	0.00	3.41	1.28	0.09	1.19	0.52
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	70	9.86	32.77	1.42	0.00	12.82	11.63	0.01	11.62	0.18
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	101	8.95	33.27	2.10	0.00	22.08	19.29	0.00	19.29	0.05
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	149	7.98	33.74	2.47	0.00	33.04	26.80	0.00	26.80	0.01
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	4	14.05	32.25	0.36	0.09	1.71	0.05	0.00	0.05	0.59
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	10	14.05	32.25	0.36	0.09	1.69	0.06	0.00	0.06	0.53
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	21	14.05	32.25	0.36	0.10	2.03	0.10	0.00	0.10	0.65
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	29	14.05	32.25	0.36	0.09	2.17	0.05	0.00	0.05	0.59
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	34	14.05	32.25	0.36	0.00	2.05	0.05	0.00	0.05	0.55
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	40	14.02	32.25	0.40	0.00	2.16	0.13	0.00	0.13	0.48
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	48	11.00	32.63	1.06	0.00	8.33	7.13	0.00	7.13	0.29
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	71	9.81	33.10	1.66	0.00	17.27	15.51	0.00	15.51	0.13
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	98	9.50	33.55	2.12	0.00	25.57	22.74	0.00	22.74	0.04
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	152	7.90	33.83	2.54	0.00	35.60	28.62	0.00	28.62	0.01
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	2	14.42	32.75	0.58	0.01	2.33	0.52	0.02	0.50	0.80
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	10	14.42	32.76	0.44	0.02	2.35	0.51	0.02	0.49	0.91
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	20	13.93	32.79	0.56	0.04	3.22	1.17	0.06	1.11	1.06
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	31	13.79	32.80	0.54	0.07	3.48	1.31	0.07	1.24	0.69
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	41	13.74	32.80	0.56	0.08	3.60	1.38	0.08	1.30	0.88
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	51	13.71	32.80	0.55	0.08	3.62	1.42	0.09	1.33	0.82
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	61	13.69	32.80	0.56	0.06	3.64	1.48	0.09	1.39	0.80
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	3	14.36	32.78	0.43	0.00	2.33	0.56	0.02	0.54	1.09
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	10	14.35	32.78	0.40	0.00	2.33	0.57	0.03	0.54	0.95
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	20	14.31	32.77	0.44	0.04	2.36	0.57	0.03	0.54	0.66
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	31	14.34	32.78	0.46	0.09	2.40	0.57	0.03	0.54	1.02

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	41	14.01	32.81	0.53	0.19	3.03	1.14	0.06	1.08	0.66
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	51	13.46	32.87	0.69	0.26	4.94	2.69	0.13	2.56	0.69
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	60	13.03	32.90	0.85	0.27	7.02	4.18	0.16	4.02	0.66
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	70	12.85	32.93	0.94	0.28	8.07	5.11	0.18	4.93	0.80
W9711C	11/17/97		18	FM-04	43.22	-124.58	80	12.83	32.93	0.89	0.00	8.27	5.14	0.18	4.96	0.69
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	4	13.68	32.58	0.49	0.01	3.67	0.96	0.07	0.89	0.84
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	10	13.68	32.58	0.48	0.04	4.49	0.96	0.07	0.89	0.82
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	20	13.73	32.73	0.51	0.07	4.81	0.94	0.05	0.89	0.95
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	32	13.68	32.79	0.53	0.00	5.48	1.19	0.00	1.19	0.75
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	40	13.64	32.81	0.53	0.00	3.17	1.32	0.08	1.24	0.62
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	40	13.64	32.81	0.48	0.00	3.11	1.36	0.08	1.28	0.62
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	3	13.61	32.62	0.53	0.02	3.94	1.38	0.11	1.27	0.72
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	10	13.61	32.62	0.52	0.02	3.82	1.39	0.11	1.28	0.72
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	20	13.61	32.62	0.51	0.01	3.76	1.37	0.11	1.26	0.70
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	30	13.59	32.63	0.52	0.07	3.77	1.42	0.11	1.31	0.69
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	40	13.49	32.66	0.56	0.03	4.15	2.15	0.15	2.00	0.51
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	45	12.70	32.93	0.82	0.00	6.01	5.06	0.34	4.72	0.42
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	50	12.11	33.05	0.90	0.00	7.35	6.75	0.40	6.35	0.38
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	70	10.35	33.28	1.49	0.00	15.58	15.72	0.00	15.72	0.10
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	100	10.49	33.56	1.77	0.00	18.28	19.22	0.00	19.22	0.06
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	151	9.92	33.70	2.02	0.05	24.88	22.88	0.02	22.86	0.07
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	3	13.50	32.51	0.47	0.01	0.00	0.83	0.03	0.80	0.90
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	10	13.50	32.52	0.47	0.01	3.40	0.88	0.03	0.85	0.79
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	20	13.50	32.52	0.47	0.01	3.42	0.90	0.04	0.86	0.85
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	30	13.50	32.52	0.47	0.01	3.46	0.85	0.03	0.82	0.76
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	34	13.49	32.57	0.53	0.03	3.54	1.25	0.06	1.19	0.65
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	39	13.45	32.66	0.57	0.02	3.80	1.86	0.12	1.74	0.60
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	48	12.43	33.00	0.87	0.03	6.26	5.57	0.30	5.27	0.54
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	70	11.22	33.20	1.28	0.00	10.95	11.56	0.01	11.55	0.19
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	100	10.15	33.49	1.79	0.00	18.49	19.48	0.00	19.48	0.03
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	150	9.15	33.83	2.30	0.00	29.15	26.29	0.00	26.29	0.04
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	5	13.63	32.49	0.50	0.00	3.10	0.84	0.03	0.81	0.76
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	10	13.63	32.49	0.50	0.00	3.35	0.85	0.03	0.82	0.78
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	30	13.64	32.49	0.48	0.00	2.75	0.85	0.03	0.82	0.83
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	39	13.61	32.51	0.49	0.00	2.96	0.92	0.04	0.88	0.78
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	45	13.51	32.64	0.51	0.01	3.41	1.21	0.05	1.16	0.70
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	51	13.25	33.14	0.72	0.12	5.20	4.02	0.20	3.82	0.55
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	71	11.55	33.14	1.14	0.00	9.79	9.96	0.03	9.93	0.21
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	101	10.10	33.39	1.65	0.00	17.55	17.85	0.00	17.85	0.06
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	152	8.69	33.87	2.33	0.00	29.00	28.30	0.00	28.30	0.01
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	4	13.34	32.56	0.80	0.00	7.02	1.85	0.24	1.61	1.10
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	10	13.51	32.80	0.81	0.00	4.79	1.60	0.23	1.37	0.52
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	20	13.15	32.78	0.95	0.00	6.40	2.20	0.27	1.93	0.73
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	28	13.12	32.80	1.12	0.00	6.75	2.26	0.25	2.01	0.78
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	30	13.13	32.81	1.20	0.00	7.32	2.23	0.24	1.99	0.93
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	36	13.20	32.84	1.15	0.00	7.63	2.16	0.20	1.96	0.95
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	3	14.53	32.93	0.40	0.01	3.01	1.09	0.12	0.97	0.92
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	5	14.53	32.93	0.40	0.00	3.03	1.07	0.00	1.07	0.92
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	10	14.58	32.95	0.41	0.03	3.09	1.17	0.13	1.04	0.96
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	20	14.58	32.96	0.38	0.03	3.20	1.24	0.14	1.10	0.96

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	30	14.57	32.96	0.40	0.02	3.20	1.32	0.15	1.17	1.00
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	36	14.57	32.96	0.46	0.03	3.08	1.36	0.17	1.19	0.98
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	41	14.57	32.96	0.49	0.04	3.14	1.35	0.17	1.18	0.92
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	51	14.48	33.08		0.01	3.99	2.28	0.27	2.01	0.44
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	60	14.27	33.17		0.02	5.03	3.56	0.37	3.19	0.34
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	70	13.72	33.22	0.93	0.04	7.02	5.31	0.48	4.83	0.27
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	100	13.00	33.38	1.15	0.08	10.43	9.11	0.19	8.92	0.18
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	110	13.01	33.38	1.20	0.06	10.50	9.05	0.19	8.86	0.15
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	3	14.24	32.81		0.03	2.73	1.19	0.07	1.12	0.84
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	10	14.24	32.81		0.04	2.81	1.13	0.07	1.06	0.91
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	21	14.25	32.81		0.03	2.90	1.11	0.08	1.03	0.86
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	31	14.26	32.81		0.04	2.98	1.14	0.07	1.07	0.88
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	40	14.30	32.84		0.04	3.54	1.33	0.09	1.24	0.71
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	45	14.42	33.06		0.05	3.68	2.33	0.18	2.15	0.42
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	50	14.39	33.16		0.02	4.71	3.16	0.22	2.94	0.35
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	70	13.42	33.36		0.01	8.93	7.97	0.09	7.88	0.22
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	100	11.97	33.49		0.02	12.98	12.86	0.01	12.85	0.13
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	150	11.14	33.59		0.00	18.30	17.43	0.00	17.43	0.05
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	3	14.25	32.75		0.00	2.33	0.47	0.03	0.44	1.07
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	10	14.25	32.78		0.00	2.52	0.59	0.03	0.56	1.10
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	20	14.23	32.79		0.01	2.43	0.78	0.05	0.73	0.98
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	30	13.94	32.88		0.08	3.45	1.83	0.10	1.73	0.74
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	40	13.03	33.04		1.16	6.15	5.59	0.09	5.50	0.34
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	45	12.80	33.07		0.00	6.10	6.39	0.07	6.32	0.28
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	50	12.33	33.10		0.01	7.08	7.17	0.06	7.11	0.23
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	70	11.50	33.49		0.00	13.46	14.86	0.00	14.86	0.08
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	100	10.93	33.59		0.01	18.13	18.19	0.00	18.19	0.05
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	150	10.07	33.75		0.00	24.52	22.65	0.00	22.65	0.02
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	3	14.45	32.47		0.05	2.34	0.67	0.03	0.64	0.65
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	10	14.46	32.47		0.04	2.28	0.67	0.04	0.63	0.59
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	20	14.45	32.47		0.05	2.40	0.68	0.04	0.64	0.66
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	29	14.43	32.48		0.08	2.32	0.77	0.05	0.72	0.63
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	34	14.29	32.54		0.09	2.85	1.11	0.09	1.02	0.50
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	39	13.86	32.61		0.09	3.54	2.15	0.15	2.00	0.41
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	50	13.24	32.74		0.09	5.26	4.03	0.20	3.83	0.35
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	68	11.96	32.81		0.03	7.55	6.92	0.14	6.78	0.25
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	101	10.55	33.22		0.02	13.67	14.08	0.00	14.08	0.12
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	150	8.99	33.66		0.04	27.31	24.92	0.00	24.92	0.01
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	4	14.23	32.42		0.10	2.52	0.78	0.05	0.73	0.95
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	11	14.23	32.42		0.07	2.53	0.77	0.05	0.72	0.91
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	20	14.23	32.42		0.07	2.49	0.77	0.05	0.72	0.85
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	30	14.22	32.42		0.10	2.49	0.84	0.06	0.78	0.78
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	41	14.22	32.43		0.14	2.54	0.84	0.06	0.78	0.67
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	50	12.66	32.65		0.15	5.34	3.85	0.11	3.74	0.36
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	70	10.05	32.88		0.04	11.04	10.40	0.00	10.40	0.14
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	101	9.13	33.46		0.05	23.32	22.19	0.00	22.19	0.05
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	153	8.47	33.81		0.05	28.90	27.53	0.00	27.53	0.01
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	3	15.54	33.24	0.72	0.26	4.32	0.42	0.11	0.31	2.64
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	5	15.56	33.25	0.68	0.24	4.34	0.42	0.10	0.32	2.79
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	9	15.56	33.25	0.70	0.27	4.51	0.44	0.10	0.34	2.05
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	15	15.59	33.27	0.70	0.25	4.34	0.42	0.09	0.33	1.65

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	20	15.60	33.27	0.68	0.24	4.37	0.45	0.09	0.36	0.83
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	26	15.65	33.31	0.64	0.18	4.34	0.49	0.12	0.37	0.59
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	30	15.67	33.34	0.64	0.17	4.34	0.58	0.13	0.45	0.51
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	42	15.67	33.36	0.69	0.22	4.16	0.60	0.14	0.46	0.57
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	50	15.66	33.35	0.73	0.22	4.71	0.62	0.14	0.48	0.59
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	61	15.66	33.35	0.83	0.24	4.71	0.58	0.14	0.44	0.62
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	65	15.66	33.35	0.98	0.24	5.03	0.54	0.15	0.39	0.81
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	4	15.76	33.31	0.51	0.08	2.90	0.33	0.04	0.29	0.81
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	5	15.76	33.31	0.50	0.07	2.90	0.35	0.04	0.31	0.77
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	11	15.76	33.31	0.52	0.08	3.00	0.35	0.04	0.31	0.75
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	15	15.76	33.31	0.51	0.05	3.17	0.35	0.04	0.31	0.77
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	20	15.77	33.32	0.52	0.06	3.07	0.44	0.04	0.40	0.70
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	30	15.76	33.32	0.54	0.08	3.14	0.52	0.05	0.47	0.57
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	40	15.69	33.33	0.57	0.09	3.27	0.85	0.10	0.75	0.62
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	46	15.50	33.36	0.67	0.06	4.25	1.88	0.22	1.66	0.33
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	52	15.32	33.37	0.76	0.04	5.22	2.62	0.30	2.32	0.70
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	61	14.71	33.42	1.04	0.01	9.41	5.05	0.45	4.60	0.28
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	72	14.59	33.42	1.29	0.10	11.01	5.44	0.46	4.98	0.29
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	3	15.81	33.15	0.38	0.00	2.03	0.18	0.01	0.17	0.69
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	10	15.82	33.15	0.62	0.00	1.96	0.20	0.00	0.20	0.73
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	24	15.85	33.17	0.37	0.00	2.02	0.24	0.01	0.23	0.77
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	30	15.86	33.20	0.42	0.00	2.22	0.30	0.01	0.29	0.77
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	40	15.84	33.33	0.42	0.00	3.04	1.06	0.10	0.96	0.58
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	50	15.03	33.41	0.57	0.00	4.37	3.21	0.24	2.97	0.31
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	70	13.21	33.46	1.10	0.00	9.42	9.09	0.06	9.03	0.18
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	99	12.32	33.50	1.26	0.00	12.10	12.31	0.06	12.25	0.10
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	149	11.09	33.63	1.50	0.00	16.12	17.47	0.01	17.46	0.03
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	5	15.82	32.99	0.35	0.00	1.52	0.00	0.00	0.00	0.42
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	9	15.82	32.99	0.33	0.00	1.81	0.00	0.00	0.00	0.42
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	21	15.81	33.00	0.34	0.00	1.97	0.00	0.00	0.00	0.44
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	30	15.79	33.00	0.34	0.00	1.57	0.01	0.00	0.01	0.44
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	40	15.09	33.01	0.36	0.00	2.52	0.10	0.02	0.08	0.58
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	47	13.85	33.03	0.38	0.00	3.47	0.28	0.06	0.22	0.60
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	48	13.72	33.01	0.41	0.00	2.88	0.36	0.00	0.36	0.47
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	74	11.83	33.15	0.81	0.00	6.85	6.87	0.05	6.82	0.20
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	100	11.37	33.59	1.40	0.00	15.65	16.38	0.03	16.35	0.04
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	152	10.42	33.75	1.62	0.00	20.13	21.32	0.02	21.30	0.01
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	4	15.64	32.92	0.43	0.00	1.79	0.00	0.00	0.00	0.36
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	10	15.65	32.92	0.40	0.00	2.16	0.00	0.00	0.00	0.31
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	21	15.65	32.93	0.37	0.00	1.96	0.00	0.00	0.00	0.36
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	32	15.46	32.98	0.44	0.00	2.52	0.00	0.00	0.00	0.46
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	40	14.84	33.06	0.50	0.00	3.09	0.36	0.10	0.26	0.58
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	46	14.10	33.05	0.49	0.01	3.41	1.05	0.34	0.71	0.60
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	52	13.36	33.02	0.53	0.00	4.30	1.62	0.49	1.13	0.53
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	70	11.76	33.05	0.83	0.00	6.80	5.45	0.08	5.37	0.24
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	100	10.56	33.32	1.45	0.00	13.32	14.51	0.00	14.51	0.06
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	152	8.98	33.76	2.21	0.00	18.23	24.64	0.00	24.64	0.01
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	3	16.09	33.20	0.36	0.00	2.05	0.02	0.00	0.02	0.51
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	11	16.09	33.20	0.35	0.00	2.12	0.00	0.00	0.00	0.49
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	21	16.10	33.20	0.37	0.00	2.27	0.00	0.00	0.00	0.51
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	30	16.10	33.20	0.36	0.00	2.34	0.00	0.00	0.00	0.49

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	40	16.10	33.20	0.37	0.00	2.01	0.00	0.00	0.00	0.53
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	61	12.36	33.03	0.76	0.00	5.65	4.14	0.22	3.92	0.33
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	71	11.47	33.16	1.07	0.00	8.17	8.76	0.00	8.76	0.17
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	102	10.26	33.46	1.63	0.00	15.56	16.86	0.00	16.86	0.03
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	151	8.89	33.80	2.01	0.00	23.79	24.65	0.00	24.65	0.01
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	2	12.37	30.88	1.09	0.01	12.68	3.90	0.40	3.50	1.11
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	5	12.39	31.25	1.06	0.00	15.08	3.61	0.35	3.26	0.97
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	10	12.48	31.65	1.07	0.02	13.15	3.42	0.31	3.11	0.86
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	15	12.49	31.75	1.07	0.01	12.61	3.38	0.29	3.09	0.77
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	20	12.50	31.77	1.07	0.00	12.41	3.36	0.29	3.07	0.72
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	24	12.51	31.87	1.07	0.03	11.41	3.29	0.26	3.03	0.54
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	30	12.50	31.93	1.08	0.00	11.50	3.25	0.25	3.00	0.68
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	41	12.51	32.22	1.10	0.00	10.21	2.95	0.20	2.75	0.72
W9801B	01/30/98	22:40	3	NH-05	44.65	-124.18	50	12.53	32.42	1.06	0.00	9.01	3.02	0.15	2.87	0.72
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	2	12.09	32.77	0.95	0.00	4.17	2.26	0.20	2.06	0.70
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	2	12.09	32.77	0.95	0.00	4.17	2.26	0.20	2.06	0.61
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	6	12.09	32.77	1.47	0.00	4.24	2.28	0.20	2.08	0.70
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	11	12.09	32.77	0.84	0.00	4.33	2.26	0.20	2.06	0.70
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	11	12.09	32.77	0.84	0.00	4.33	2.26	0.20	2.06	0.77
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	21	12.09	32.77	1.17	0.00	4.50	2.24	0.20	2.04	0.75
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	25	12.09	32.77	0.86	0.00	4.49	2.25	0.20	2.05	0.73
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	30	12.10	32.77	0.90	0.00	4.39	2.27	0.20	2.07	0.66
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	51	12.08	32.77	0.86	0.00	4.08	2.31	0.21	2.10	0.59
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	51	12.08	32.77	0.86	0.00	4.08	2.31	0.21	2.10	0.61
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	61	12.08	32.77	0.82	0.00	4.36	2.28	0.21	2.07	0.64
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	71	12.08	32.77	0.87	0.00	4.35	2.31	0.21	2.10	0.64
W9801B	01/31/98	2:21	5	NH-15	44.65	-124.41	84	12.07	32.77	0.94	0.14	4.37	2.34	0.21	2.13	0.59
W9801B	02/02/98	12:28	22	NH-15	44.65	-124.41	1	12.27	32.83	0.95	0.00	4.17	2.26	0.20	2.06	0.70
W9801B	02/02/98	12:28	22	NH-15	44.65	-124.41	1	12.27	32.83	0.95	0.00	4.17	2.26	0.20	2.06	0.61
W9801B	02/02/98	12:28	22	NH-15	44.65	-124.41	10	12.26	32.82	0.84	0.00	4.33	2.26	0.20	2.06	0.70
W9801B	02/02/98	12:28	22	NH-15	44.65	-124.41	10	12.26	32.82	0.84	0.00	4.33	2.26	0.20	2.06	0.77
W9801B	02/02/98	12:28	22	NH-15	44.65	-124.41	49	12.29	32.83	0.86	0.00	4.08	2.31	0.21	2.10	0.59
W9801B	02/02/98	12:28	22	NH-15	44.65	-124.41	49	12.29	32.83	0.86	0.00	4.08	2.31	0.21	2.10	0.61
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	2	11.82	32.71	0.80	0.02	3.93	2.34	0.20	2.14	0.61
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	2	11.82	32.71	0.80	0.02	3.93	2.34	0.20	2.14	0.75
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	9	11.82	32.71	0.80	0.00	3.93	2.33	0.20	2.13	0.52
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	9	11.82	32.71	0.80	0.00	3.93	2.33	0.20	2.13	0.80
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	30	11.82	32.71	0.80	0.00	3.96	2.32	0.19	2.13	0.80
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	39	11.79	32.70	0.79	0.00	4.00	2.33	0.18	2.15	0.72
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	51	11.81	32.71	0.83	0.00	3.76	2.29	0.00	2.29	0.75
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	69	11.72	32.69	0.82	0.00	3.86	2.38	0.00	2.38	0.77
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	84	11.91	32.82	0.92	0.00	5.54	3.85	0.00	3.85	0.30
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	99	11.73	33.08	1.23	0.00	9.86	8.02	0.00	8.02	0.16
W9801B	01/31/98	5:40	7	NH-25	44.65	-124.65	149	10.78	33.34	1.71	0.00	15.77	14.03	0.00	14.03	0.05
W9801B	02/02/98	10:10	20	NH-25	44.65	-124.65	1	12.17	32.81	0.80	0.02	3.93	2.34	0.20	2.14	0.61
W9801B	02/02/98	10:10	20	NH-25	44.65	-124.65	1	12.17	32.81	0.80	0.02	3.93	2.34	0.20	2.14	0.75
W9801B	02/02/98	10:10	20	NH-25	44.65	-124.65	10	12.18	32.80	0.80	0.00	3.93	2.33	0.20	2.13	0.52
W9801B	02/02/98	10:10	20	NH-25	44.65	-124.65	10	12.18	32.80	0.80	0.00	3.93	2.33	0.20	2.13	0.80
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	2	11.57	32.66	0.80	0.03	4.29	2.42	0.16	2.26	0.80
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	11	11.58	32.67	0.82	0.03	4.22	2.49	0.16	2.33	0.73

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	21	11.62	32.69	0.84	0.02	4.28	2.50	0.17	2.33	0.80
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	31	11.62	32.69	0.84	0.00	4.07	2.52	0.17	2.35	0.79
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	40	11.62	32.69	0.84	0.00	4.20	2.59	0.17	2.42	0.77
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	71	11.65	32.69	0.85	0.00	4.00	2.75	0.17	2.58	0.70
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	99	11.67	32.70	0.87	0.00	4.31	2.73	0.17	2.56	0.72
W9801B	02/02/98	8:18	19	NH-35	44.65	-124.88	143	10.45	33.32	1.70	0.00	15.38	15.98	0.00	15.98	0.05
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	2	11.36	32.64	0.99	0.00	4.48	2.71	0.14	2.57	0.77
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	10	11.36	32.64	0.99	0.00	4.54	2.70	0.14	2.56	0.75
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	22	11.36	32.64	1.16	0.01	4.43	2.71	0.14	2.57	0.79
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	30	11.36	32.64	1.14	0.00	4.41	2.72	0.14	2.58	0.77
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	39	11.36	32.64	1.20	0.00	4.61	2.73	0.14	2.59	0.72
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	50	11.38	32.64	1.14	0.00	4.28	2.64	0.13	2.51	0.72
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	69	11.46	32.66	1.12	0.00	4.57	2.88	0.15	2.73	0.73
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	86	11.55	32.70	1.07	0.00	5.27	3.15	0.16	2.99	0.59
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	101	11.35	32.95	1.47	0.00	8.98	7.55	0.08	7.47	0.18
W9801B	02/02/98	4:34	18	NH-45	44.65	-125.12	148	9.00	33.52	2.71	0.14	23.73	21.83	0.00	21.83	0.02
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	3	10.79	32.48	1.00	0.00	3.82	2.11	0.10	2.01	0.49
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	10	10.80	32.48	1.04	0.03	4.16	2.37	0.10	2.27	0.49
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	19	10.80	32.48	1.07	0.04	5.11	2.32	0.10	2.22	0.54
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	30	10.80	32.48	1.01	0.01	4.93	2.11	0.09	2.02	0.52
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	40	10.80	32.48	1.02	0.02	4.14	2.12	0.10	2.02	0.43
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	50	10.80	32.48	1.01	0.03	4.46	2.23	0.10	2.13	0.47
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	72	10.79	32.48	1.06	0.04	3.95	2.32	0.10	2.22	0.47
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	91	10.71	32.52	1.13	0.00	4.99	3.45	0.12	3.33	0.31
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	101	9.45	32.99	1.75	0.00	12.33	11.37	0.00	11.37	0.08
W9801B	02/01/98	22:07	16	NH-65	44.65	-125.6	148	8.38	33.71	2.93	0.00	30.84	25.80	0.00	25.80	0.02
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	1	10.39	32.46	1.12	0.05	5.43	3.71	0.13	3.58	0.79
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	11	10.39	32.46	1.10	0.01	5.11	3.72	0.14	3.58	0.78
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	20	10.39	32.46	1.11	0.09	8.96	3.77	0.14	3.63	0.79
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	29	10.39	32.47	1.12	0.19	5.37	3.74	0.14	3.60	0.70
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	41	10.39	32.47	1.11	0.01	5.65	3.76	0.14	3.62	0.76
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	50	10.39	32.47	1.25	0.10	5.40	3.70	0.14	3.56	0.69
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	71	10.38	32.47	1.04	0.03	5.23	3.74	0.14	3.60	0.78
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	85	10.05	32.66	1.18	0.03	5.46	3.74	0.14	3.60	0.72
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	99	9.07	33.21	2.41	0.06	20.40	18.97	0.00	18.97	0.06
W9801B	02/01/98	18:26	15	NH-85	44.65	-126.05	149	8.13	33.67	2.73	0.04	29.85	25.10	0.00	25.10	0.01
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	11	12.56	31.31	1.10	0.11	15.60	3.42	0.54	2.88	0.70
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	15	12.56	31.38	1.13	0.08	14.64	3.42	0.52	2.90	0.72
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	21	12.60	31.54	1.12	0.06	13.36	3.35	0.48	2.87	0.70
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	25	12.63	31.71	1.11	0.14	12.94	3.37	0.42	2.95	0.54
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	30	12.64	31.78	1.03	0.08	11.74	3.19	0.42	2.77	0.52
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	41	12.76	32.19	1.08	0.05	10.42	3.29	0.41	2.88	0.43
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	51	12.82	32.57	0.96	0.02	8.05	2.90	0.26	2.64	0.34
W9801B	01/31/98	20:24	9	FM-03	43.22	-124.5	56	12.82	32.57	0.96	0.07	8.04	3.13	0.28	2.85	0.32
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	10	12.59	31.26	0.89	0.01	15.14	3.57	0.57	3.00	0.79
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	21	12.64	31.45	0.83	0.00	15.51	3.39	0.55	2.84	0.81
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	26	12.69	31.77	0.78	0.00	13.25	3.35	0.45	2.90	0.42
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	30	12.72	31.89	0.74	0.00	12.52	3.27	0.40	2.87	0.47
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	41	12.80	32.25	0.61	0.00	10.57	2.87	0.27	2.60	0.45
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	51	12.80	32.44	1.01	0.09	8.51	3.03	0.32	2.71	0.51
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	60	12.81	32.57	1.04	0.23	7.98	3.08	0.28	2.80	0.42

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	71	12.77	32.81	1.05	0.06	6.89	3.37	0.23	3.14	0.34
W9801B	01/31/98	22:19	10	FM-04	43.22	-124.58	73	12.77	32.81	0.98	0.03	6.83	3.42	0.23	3.19	0.40
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	1	12.79	32.74	0.83	0.01	6.08	2.78	0.27	2.51	0.73
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	10	12.80	32.73	0.76	0.01	6.25	2.80	0.26	2.54	0.77
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	20	12.81	32.79	0.74	0.00	6.05	2.74	0.25	2.49	0.72
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	31	12.82	32.91	0.68	0.00	5.45	2.84	0.20	2.64	0.61
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	41	12.81	32.92	0.92	0.04	5.13	2.95	0.18	2.77	0.54
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	51	12.81	32.93	0.87	0.12	5.50	3.05	0.18	2.87	0.52
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	59	12.80	32.93	0.84	0.02	5.29	2.95	0.17	2.78	0.46
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	70	12.80	32.93	0.81	0.00	4.92	2.97	0.17	2.80	0.41
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	80	12.81	32.94	0.81	0.04	4.98	3.05	0.17	2.88	0.48
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	102	12.81	32.94	0.77	0.00	4.29	2.98	0.18	2.80	0.48
W9801B	01/31/98	23:57	11	FM-05	43.22	-124.67	129	12.79	32.97	0.83	0.05	5.91	3.25	0.16	3.09	0.46
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	2	12.55	32.96	0.83	0.00	5.48	3.35	0.19	3.16	0.91
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	11	12.56	32.96	0.85	0.02	5.34	3.31	0.19	3.12	0.86
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	20	12.57	32.97	0.84	0.00	5.79	3.31	0.19	3.12	0.89
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	31	12.58	32.97	0.90	0.00	6.03	3.42	0.19	3.23	0.89
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	41	12.58	32.97	0.86	0.03	5.84	3.45	0.19	3.26	0.80
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	50	12.59	32.97	0.88	0.01	5.68	3.42	0.20	3.22	0.86
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	71	12.60	32.98	0.94	0.00	6.21	3.50	0.21	3.29	0.91
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	86	12.60	32.99	0.95	0.00	6.20	3.64	0.20	3.44	0.80
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	101	12.57	33.02	0.95	0.00	6.95	4.46	0.18	4.28	0.54
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	121	12.48	33.07	1.03	0.00	7.70	5.25	0.16	5.09	0.46
W9801B	02/01/98	3:38	13	FM-07	43.22	-124.83	150	10.89	33.39	1.72	0.00	15.83	14.74	0.00	14.74	0.08
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	5	11.28	32.60	0.67	0.02	7.27	1.30	0.04	1.26	0.45
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	10	11.28	32.60	0.67	0.01	4.08	1.48	0.04	1.44	0.39
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	20	11.28	32.60	0.69	0.02	2.73	1.50	0.03	1.47	0.41
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	28	11.28	32.60	0.70	0.02	3.08	1.48	0.03	1.45	0.41
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	39	11.28	32.60	0.73	0.02	2.63	1.42	0.03	1.39	0.43
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	50	11.28	32.60	0.72	0.01	2.88	1.44	0.03	1.41	0.41
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	70	11.28	32.60	0.73	0.01	3.22	1.42	0.03	1.39	0.43
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	101	11.24	32.61	0.76	0.02	3.09	1.57	0.04	1.53	0.34
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	121	10.10	32.77	1.09	0.03	8.03	7.00	0.04	6.96	0.11
W9801B	02/01/98	6:55	14	FM-08	43.22	-125.	150	9.34	33.33	1.78	0.00	19.26	18.18	0.00	18.18	0.04
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	2	11.82	31.89	0.45	0.00	0.26	0.06	0.00	0.06	0.73
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	5	11.83	31.90	0.49	0.00	2.12	0.08	0.00	0.08	0.67
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	10	11.80	31.93	0.49	0.00	2.44	0.05	0.00	0.05	1.59
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	15	11.54	32.16	0.50	0.00	1.61	0.06	0.00	0.06	0.89
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	20	11.06	32.43	0.44	0.00	2.04	0.06	0.00	0.06	2.68
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	25	10.98	32.62	0.48	0.00	2.11	0.16	0.01	0.15	1.47
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	30	10.88	32.68	0.65	0.00	3.11	0.68	0.13	0.55	1.10
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	40	10.69	32.93	0.99	0.06	6.92	4.09	0.22	3.87	0.93
W9804A	04/05/98	13:16	11	NH-05	44.65	-124.18	49	10.49	33.01	1.35	0.00	13.63	7.18	0.28	6.90	0.86
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	3	11.71	32.04	0.45	0.00	0.26	0.06	0.00	0.06	1.59
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	4	11.71	32.04	0.49	0.00	2.12	0.08	0.00	0.08	1.63
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	10	11.70	32.04	0.49	0.00	2.44	0.05	0.00	0.05	1.59
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	16	11.74	32.11	0.50	0.00	1.61	0.06	0.00	0.06	1.16
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	20	11.72	32.10	0.44	0.00	2.04	0.06	0.00	0.06	1.26
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	25	11.72	32.13	0.48	0.00	2.11	0.16	0.01	0.15	1.19
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	30	11.47	32.42	0.65	0.00	3.11	0.68	0.13	0.55	1.30
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	41	11.11	32.63	0.99	0.06	6.92	4.09	0.22	3.87	0.51

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	51	10.82	32.82	1.35	0.00	13.63	7.18	0.28	6.90	1.08
W9804A	04/10/98	19:40	46	NH-05	44.65	-124.18	54	10.76	32.85	1.52	0.00	17.42	9.12	0.25	8.87	1.52
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	3	11.44	32.22	0.36	0.00	0.98	0.01	0.00	0.01	0.27
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	7	11.37	32.50	0.40	0.02	1.20	0.12	0.01	0.11	0.47
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	10	11.30	32.54	0.26	0.00	1.09	0.10	0.00	0.10	0.60
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	20	11.13	32.60	0.26	0.01	1.44	0.11	0.02	0.09	0.87
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	30	11.05	32.64	0.36	0.05	2.17	0.12	0.02	0.10	0.93
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	41	10.96	32.66	0.55	0.17	3.29	1.24	0.13	1.11	0.56
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	50	10.93	32.69	0.80	0.00	8.48	4.70	0.30	4.40	0.35
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	60	11.08	32.79	0.73	0.23	6.25	4.80	0.45	4.35	0.23
W9804A	04/05/98	9:44	9	NH-15	44.65	-124.41	70	10.97	32.81	0.87	0.08	8.70	6.99	0.40	6.59	0.15
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	2	11.64	31.49	0.37	0.00	1.56	0.02	0.00	0.02	0.99
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	4	11.64	31.53	0.36	0.00	1.60	0.03	0.00	0.03	1.01
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	10	11.64	31.55	0.35	0.00	1.42	0.04	0.00	0.04	1.03
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	19	11.59	31.94	0.39	0.00	1.05	0.02	0.00	0.02	1.16
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	31	11.03	32.46	0.55	0.00	2.63	0.91	0.05	0.86	1.45
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	32	10.89	32.57	0.98	0.00	8.00	4.58	0.19	4.39	1.52
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	39	10.70	32.72	1.24	0.00	10.87	7.09	0.14	6.95	0.85
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	50	10.06	33.00	1.65	0.00	16.61	12.04	0.11	11.93	0.47
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	60	10.00	33.02	1.72	0.00	17.22	12.35	0.15	12.20	0.36
W9804A	04/10/98	22:58	48	NH-15	44.65	-124.41	69	9.92	33.05	1.74	0.00	17.30	13.26	0.12	13.14	0.31
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	2	11.55	32.62	0.48	0.00	1.12	0.00	0.00	0.00	0.54
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	10	11.55	32.62	0.45	0.21	1.10	0.07	0.00	0.07	0.54
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	20	11.40	32.63	0.50	0.18	2.00	0.10	0.01	0.09	0.71
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	30	11.37	32.64	0.47	0.46	1.54	0.17	0.01	0.16	1.14
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	35	11.36	32.64	0.58	0.17	2.36	0.55	0.09	0.46	1.21
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	40	11.34	32.70	0.84	0.29	4.08	2.66	0.41	2.25	0.86
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	50	11.17	32.75	1.17	1.28	7.39	5.47	0.48	4.99	0.33
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	70	10.96	32.78	0.97	0.74	8.26	6.20	0.41	5.79	0.17
W9804A	04/05/98	5:48	7	NH-25	44.65	-124.65	100	10.47	33.08	1.43	0.47	14.38	12.16	0.11	12.05	0.10
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	2	11.68	32.50	0.39	0.00	2.17	0.53	0.00	0.53	0.33
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	10	11.69	32.50	0.38	0.05	1.26	0.09	0.00	0.09	0.32
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	20	11.62	32.50	0.38	0.05	1.42	0.10	0.00	0.10	0.35
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	29	11.53	32.53	0.40	0.06	1.32	0.33	0.00	0.33	0.55
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	35	11.52	32.53	0.40	0.08	1.39	0.30	0.04	0.26	0.92
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	40	11.49	32.60	0.47	0.07	1.66	0.77	0.11	0.66	1.16
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	50	11.38	32.64	0.49	0.13	1.63	0.70	0.07	0.63	0.92
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	70	11.12	32.67	0.58	0.05	3.26	2.26	0.25	2.01	0.27
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	101	10.72	32.87	0.94	0.14	11.61	8.47	0.10	8.37	0.12
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	150	8.80	33.60	2.15	0.13	31.40	24.85	0.02	24.83	0.09
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	300	6.49	33.99	2.67	0.17	57.55	35.67	0.00	35.67	0.04
W9804A	04/05/98	4:04	6	NH-35	44.65	-124.88	400	5.73	34.05	2.83		71.62	38.94	0.00	38.94	0.05
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	2	12.09	32.10	0.37	0.00	0.10	0.00	0.00	0.00	0.18
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	10	11.62	32.16	0.41	0.00	1.68	0.00	0.00	0.00	0.28
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	20	11.35	32.64	0.52	0.00	1.23	0.00	0.00	0.00	0.94
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	30	11.35	32.70	0.58	0.00	1.67	0.34	0.04	0.30	1.29
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	36	11.35	32.72	0.59	0.00	1.70	0.64	0.07	0.57	1.14
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	40	11.38	32.74	0.62	0.10	2.47	0.91	0.13	0.78	0.74
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	50	11.36	32.74	0.68	0.16	2.38	1.38	0.20	1.18	0.50
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	70	11.09	32.78	0.88	0.16	5.56	3.86	0.27	3.59	0.25
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	100	10.59	33.05	1.43	0.00	12.81	11.03	0.02	11.01	0.10

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9804A	04/05/98	0:10	5	NH-45	44.65	-125.12	150	8.97	33.65	2.36	0.00	27.35	23.33	0.00	23.33	0.06
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	10	11.01	32.67	0.76	0.00	4.06	0.07	0.06	0.01	0.53
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	20	10.97	32.69	0.77	0.00	3.93	0.10	0.06	0.04	0.65
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	30	10.95	32.69	0.77	0.00	4.19	0.17	0.06	0.11	0.65
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	40	10.96	32.69	0.79	0.00	4.14	0.00	0.06	0.00	0.61
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	45	10.95	32.69	0.72	0.00	4.82	0.55	0.06	0.49	0.55
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	51	10.94	32.69	0.80	0.00	4.54	2.66	0.07	2.59	0.52
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	70	10.91	32.71	0.82	0.00	4.80	5.47	0.10	5.37	0.41
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	100	9.76	33.32	1.84	0.00	18.24	6.20	0.00	6.20	0.07
W9804A	04/04/98	18:29	3	NH-65	44.65	-125.6	150	8.38	33.76	2.52	0.00	25.87	12.16	0.00	12.16	0.02
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	2	11.03	32.67	0.53		1.59	1.08	0.05	1.03	0.28
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	10	11.02	32.67	0.49		1.75	1.10	0.06	1.04	0.27
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	21	11.01	32.67	0.48		1.65	1.13	0.06	1.07	0.28
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	29	10.98	32.67	0.50		1.83	1.11	0.07	1.04	0.32
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	40	10.93	32.67	0.50		1.55	1.05	0.07	0.98	0.34
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	50	10.90	32.67	0.52		1.86	1.17	0.08	1.09	0.50
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	69	10.79	32.65	0.61		2.65	2.08	0.12	1.96	0.50
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	101	10.24	32.91	1.93		29.36	23.66	0.01	23.65	0.07
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	150	8.65	33.70	2.04		30.72	25.11	0.01	25.10	0.04
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	864	3.88	34.34	3.59		123.95		0.01		0.01
W9804A	04/04/98	15:38	2	NH-85	44.65	-126.05	1006	3.56	34.40	3.60				0.01		0.01
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	2	12.31	31.85	0.62	0.11	11.47	2.41	0.04	2.37	1.14
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	5	11.74	32.14	0.63	0.23	9.24	2.27	0.15	2.12	1.13
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	10	11.43	32.62	0.93	0.19	11.08	5.91	0.27	5.64	1.32
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	15	10.86	32.87	1.11	0.19	14.67	9.15	0.27	8.88	1.13
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	20	10.26	33.07	1.32	0.18	20.02	12.77	0.24	12.53	0.82
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	25	10.05	33.19	1.46	0.17	23.10	15.14	0.17	14.97	0.73
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	29	9.54	33.39	1.70	0.20	27.76	18.32	0.12	18.20	0.48
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	41	9.31	33.47	1.80	0.17	29.31	20.27	0.13	20.14	0.22
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	45	9.19	33.50	1.85	0.12	30.58	20.65	0.15	20.50	0.21
W9804A	04/06/98	0:03	15	FM-03	43.22	-124.5	49	9.17	33.50	1.80	0.11	30.54	20.95	0.12	20.83	0.22
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	2	12.20	32.07	0.35	0.06	1.84	0.00	0.00	0.00	0.37
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	5	12.19	32.07	0.38	0.06	1.81	0.00	0.00	0.00	0.37
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	10	11.77	32.33	0.36	0.07	0.82	0.00	0.00	0.00	0.25
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	20	11.80	32.56	0.48	0.10	2.34	0.37	0.10	0.27	0.93
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	30	11.50	32.62	0.48	0.14	2.88	0.25	0.07	0.18	1.18
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	36	11.34	32.64	0.54	0.22	3.85	0.66	0.10	0.56	0.97
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	40	11.30	32.67	0.58	0.29	3.28	1.42	0.18	1.24	0.55
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	45	11.21	32.71	0.66	0.24	4.14	2.84	0.31	2.53	0.35
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	50	11.03	32.75	0.81	0.17	6.94	4.82	0.36	4.46	0.21
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	60	10.47	32.96	1.16	0.18	14.43	10.03	0.03	10.00	0.14
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	70	10.04	33.17	1.41	0.09	19.67	13.82	0.00	13.82	0.14
W9804A	04/06/98	1:30	16	FM-04	43.22	-124.58	75	9.15	33.51	1.74	0.13	27.64	18.88	0.00	18.88	0.13
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	2	12.18	31.89	0.36	0.00	2.50	0.05	0.00	0.05	0.31
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	10	11.69	32.36	0.41	0.00	1.49	0.01	0.00	0.01	0.35
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	21	11.48	32.56	0.48	0.15	1.54	0.00	0.00	0.00	0.56
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	30	11.38	32.59	0.51	0.00	1.67	0.02	0.00	0.02	1.08
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	40	11.34	32.66	0.61	0.00	2.61	1.09	0.18	0.91	0.81
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	51	11.34	32.70	0.62	0.17	2.94	1.79	0.26	1.53	0.45
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	60	11.11	32.73	0.73	0.17	5.28	4.07	0.40	3.67	0.21
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	71	10.93	32.79	0.87	0.00	7.83	6.54	0.38	6.16	0.17

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	101	8.50	33.71	2.07	0.07	34.82	25.89	0.08	25.81	0.16
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	135	7.91	33.87	2.26	0.00	40.50	29.49	0.05	29.44	0.14
W9804A	04/06/98	3:39	17	FM-05	43.22	-124.67	147	7.91	33.87	2.28	0.00	41.73	29.95	0.06	29.89	0.13
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	2	11.63	32.44	0.36	0.00	1.29	0.01	0.00	0.01	0.45
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	9	11.39	32.58	0.42	0.00	2.24	0.13	0.00	0.13	1.08
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	20	11.36	32.60	0.48	0.02	2.39	0.52	0.00	0.52	1.12
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	26	11.30	32.61	0.51	0.00	2.62	1.05	0.17	0.88	0.87
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	30	11.30	32.64	0.49	0.00	2.06	0.83	0.12	0.71	1.03
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	40	11.29	32.67	0.50	0.10	1.85	0.70	0.10	0.60	0.65
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	50	11.25	32.70	0.60	0.14	3.22	2.17	0.27	1.90	0.33
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	71	11.00	32.82	0.82	0.00	6.95	5.74	0.32	5.42	0.16
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	101	9.65	33.45	1.63	0.00	22.01	19.65	0.03	19.62	0.12
W9804A	04/06/98	5:33	19	FM-07	43.22	-124.83	150	8.23	33.82	2.12	0.00	37.26	28.96	0.01	28.95	0.06
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	2	11.55	32.21	0.42	0.00	2.10	0.08	0.00	0.08	0.32
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	10	11.65	32.25	0.36	0.00	1.90	0.19	0.00	0.19	0.41
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	20	11.50	32.45	0.41	0.00	1.62	0.00	0.00	0.00	0.75
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	24	11.41	32.45	0.43	0.00	2.08	0.05	0.00	0.05	1.02
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	30	11.38	32.50	0.45	0.00	2.61	0.17	0.03	0.14	1.16
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	41	11.26	32.56	0.52	0.05	2.42	1.05	0.13	0.92	0.95
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	50	11.33	32.62	0.57	0.07	2.80	1.78	0.29	1.49	0.61
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	69	11.00	32.69	0.76	0.00	6.04	4.29	0.39	3.90	0.19
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	100	10.25	33.08	1.24	0.00	15.32	12.52	0.04	12.48	0.13
W9804A	04/06/98	7:36	20	FM-08	43.22	-125.	151	8.63	33.70	1.99	0.00	30.31	25.92	0.00	25.92	0.05
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	2	10.90	31.33	0.83	0.00	21.53	5.96	0.17	5.79	7.88
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	5	10.89	31.34	0.86	0.00	21.85	6.01	0.16	5.85	7.78
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	8	10.91	31.42	0.85	0.01	21.22	5.59	0.16	5.43	8.62
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	10	10.93	31.44	0.77	0.00	19.97	5.08	0.14	4.94	9.78
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	15	10.98	31.66	0.83	0.00	20.80	5.08	0.15	4.93	9.93
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	19	10.70	32.34	1.20	0.00	17.97	9.55	0.25	9.30	4.94
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	25	10.48	32.73	1.36	0.00	17.01	11.91	0.26	11.65	1.33
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	29	10.24	32.99	1.61	0.16	20.17	13.88	0.29	13.59	1.26
W9804A	04/09/98	15:58	37	CR-01	41.90	-124.3	34	10.02	33.14	1.70	0.12	21.71	15.23	0.28	14.95	1.47
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	2	11.43	32.07	0.48	0.00	7.65	1.44	0.03	1.41	2.73
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	5	11.43	32.07	0.50	0.00	7.52	1.44	0.03	1.41	2.76
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	10	11.43	32.07	0.53	0.07	7.05	1.24	0.03	1.21	2.62
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	19	10.96	32.15	0.78	0.00	13.87	5.51	0.13	5.38	6.23
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	24	10.88	32.25	0.89	0.24	14.80	6.39	0.15	6.24	5.38
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	31	10.78	32.72	1.11	0.06	13.39	8.26	0.27	7.99	1.15
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	40	10.53	32.93	1.24	0.07	13.63	10.07	0.30	9.77	0.67
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	50	10.11	33.05	1.54	0.00	19.37	13.98	0.22	13.76	0.69
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	61	9.58	33.37	1.92	0.09	24.50	19.10	0.05	19.05	0.41
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	70	8.80	33.70	2.33	0.05	31.08	24.36	0.05	24.31	0.15
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	100	8.59	33.76	2.44	0.06	34.31	25.63	0.10	25.53	0.24
W9804A	04/09/98	14:03	35	CR-03	41.90	-124.5	117	8.57	33.76	2.41	0.00	35.36	25.43	0.13	25.30	0.35
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	2	11.56	32.31	0.38	0.00	3.06	0.16	0.03	0.13	1.12
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	10	11.55	32.31	0.39	0.00	3.36	0.16	0.04	0.12	1.13
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	20	11.54	32.34	0.38	0.00	3.20	0.22	0.05	0.17	1.15
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	29	11.52	32.37	0.40	0.00	2.93	0.34	0.07	0.27	1.08
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	35	11.51	32.40	0.41	0.00	2.95	0.38	0.08	0.30	1.01
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	40	11.50	32.43	0.43	0.00	3.14	0.60	0.10	0.50	0.99
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	51	11.44	32.49	0.49	0.00	3.28	1.23	0.18	1.05	0.99

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	70	10.82	32.82	0.83	0.00	7.86	6.24	0.26	5.98	0.29
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	99	8.90	33.63	1.93	0.00	30.32	24.35	0.06	24.29	0.12
W9804A	04/09/98	17:58	38	CR-04	41.90	-124.6	149	7.70	33.92	2.25	0.00	41.08	30.35	0.00	30.35	0.08
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	4	11.35	32.47	0.40	0.00	2.42	0.00	0.00	0.00	0.94
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	9	11.35	32.47	0.43	0.00	2.03	0.06	0.00	0.06	0.96
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	20	11.34	32.47	0.44	0.00	2.27	0.05	0.00	0.05	0.83
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	29	11.27	32.50	0.41	0.00	2.06	0.08	0.00	0.08	0.96
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	40	11.16	32.56	0.50	0.00	2.81	0.45	0.06	0.39	1.03
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	45	11.15	32.56	0.48	0.00	2.55	0.51	0.06	0.45	0.96
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	50	11.11	32.57	0.51	0.00	2.70	0.99	0.15	0.84	0.76
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	69	10.75	32.62	0.71	0.00	5.51	3.84	0.43	3.41	0.30
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	101	10.84	33.00	1.02	0.00	11.84	9.76	0.04	9.72	0.09
W9804A	04/09/98	20:03	39	CR-05	41.90	-124.7	150	8.67	33.74	2.11	0.00	33.94	26.91	0.03	26.88	0.10
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	2	11.51	32.54		0.10	2.50	0.09	0.02	0.07	1.06
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	10	11.49	32.54		0.07	2.17	0.06	0.02	0.04	1.09
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	20	11.48	32.54		0.09	2.60	0.01	0.03	0.00	1.09
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	30	11.47	32.54		0.10	3.49	0.69	0.04	0.65	1.09
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	40	11.47	32.54		0.09	3.83	0.93	0.04	0.89	0.99
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	50	11.47	32.54		0.09	2.70	0.16	0.04	0.12	0.99
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	60	11.57	32.59		0.14	2.69	0.27	0.06	0.21	0.82
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	70	11.82	32.73		0.29	3.54	0.90	0.23	0.67	0.41
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	100	11.14	32.72		0.13	6.05	3.87	0.38	3.49	0.09
W9804A	04/09/98	23:27	41	CR-07	41.90	-125.	149	9.15	33.49		0.16	24.20	19.53	0.05	19.48	0.05
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	3	12.05	32.80	0.39	0.12	2.52	0.15	0.02	0.13	0.58
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	10	12.05	32.80	0.40	0.12	2.66	0.16	0.04	0.12	0.57
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	19	12.05	32.80	0.42	0.03	2.62	0.17	0.04	0.13	0.58
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	40	12.06	32.80	0.42	0.15	2.76	0.20	0.04	0.16	0.57
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	51	12.06	32.80	0.42	0.06	2.74	0.17	0.02	0.15	0.53
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	70	11.94	32.87	0.55	0.12	3.88	2.19	0.28	1.91	0.17
W9804A	04/10/98	2:58	43	CR-09	41.90	-125.33	101	11.12	33.13	0.96	0.03	9.98	9.32	0.02	9.30	0.07
W9804A	04/07/98	12:39	22	COC-02	38.65	-123.45	31	11.37	33.18	1.12	0.07	10.59	10.74	0.27	10.47	0.78
W9804A	04/07/98	12:39	22	COC-02	38.65	-123.45	41	11.19	33.24	1.21	0.08	12.19	12.12	0.27	11.85	0.58
W9804A	04/07/98	12:39	22	COC-02	38.65	-123.45	71	10.12	33.61	1.77	0.07	22.21	19.08	0.09	18.99	0.58
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	2	11.72	33.03	0.89	0.09	10.31	6.37	0.10	6.27	3.78
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	5	11.72	33.03	0.90	0.02	9.42	6.32	0.06	6.26	3.78
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	10	11.71	33.03	0.92	0.01	10.05	6.33	0.07	6.26	3.67
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	25	11.58	33.10	1.03	0.05	11.27	8.45	0.12	8.33	2.92
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	30	11.39	33.16	1.14	0.04	11.56	10.27	0.17	10.10	1.86
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	40	11.08	33.27	1.31	0.04	14.39	13.48	0.29	13.19	0.75
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	51	10.91	33.34	1.41	0.00	14.56	14.72	0.17	14.55	0.44
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	61	10.46	33.48	1.61	0.00	17.38	17.77	0.05	17.72	0.23
W9804A	04/07/98	15:34	23	COC-04	38.60	-123.51	101	9.62	33.71	2.07	0.03	26.70	23.04	0.15	22.89	0.17
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	10	12.11	32.82	0.45	0.03	4.53	1.44	0.02	1.42	2.34
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	20	12.11	32.82	0.73	0.07	6.50	2.77	0.10	2.67	2.39
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	31	12.11	32.89	0.75	0.07	5.54	3.84	0.20	3.64	0.75
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	41	11.58	33.20	1.16	0.06	10.46	9.42	0.17	9.25	0.26
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	49	11.27	33.23	1.24	0.13	13.06	11.55	0.22	11.33	0.29
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	70	10.14	33.56	1.70	0.08	21.25	19.30	0.04	19.26	0.25
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	99	9.57	33.68	1.85	0.02	24.82	21.92	0.00	21.92	0.10
W9804A	04/07/98	17:35	24	COC-05	38.58	-123.56	125	9.04	33.82	1.55	0.00	19.85	15.67	0.02	15.65	0.14

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	3	12.49	32.80	0.30	0.04	2.64	0.24	0.00	0.24	0.74
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	10	12.49	32.80	0.29	0.06	2.51	0.33	0.00	0.33	0.76
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	20	12.47	32.79	0.32	0.03	2.87	0.39	0.00	0.39	0.80
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	30	12.47	32.79	0.34	0.03	2.44	0.47	0.00	0.47	0.74
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	41	12.47	32.80	0.34	0.04	2.12	0.38	0.00	0.38	0.78
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	51	12.48	32.81	0.74	0.06	6.84	6.28	0.00	6.28	0.74
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	71	11.85	33.27	0.57	0.06	4.94	3.45	0.00	3.45	0.15
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	98	9.99	33.55	1.58	0.06	19.24	19.41	0.00	19.41	0.03
W9804A	04/07/98	19:31	26	COC-07	38.50	-123.66	151	9.03	33.84	1.99	0.15	28.54	25.68	0.01	25.67	0.03
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	3	12.64	32.82	0.41	0.00	2.81	0.06	0.02	0.04	0.50
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	10	12.64	32.82	0.37	0.01	2.66	0.16	0.01	0.15	0.50
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	19	12.63	32.82	0.38	0.20	3.15	0.09	0.00	0.09	0.50
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	29	12.64	32.82	0.41	0.00	2.86	0.42	0.01	0.41	0.51
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	39	12.61	32.82	0.38	0.00	3.10	0.39	0.01	0.38	0.50
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	50	12.60	32.82	0.32	0.00	2.44	0.14	0.01	0.13	0.55
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	70	12.02	33.07	0.71	0.02	5.99	5.32	0.00	5.32	0.21
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	80	11.18	33.24	1.05	0.03	11.20				0.10
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	101	10.08	33.54	1.47	0.04	18.86	17.98	0.00	17.98	0.04
W9804A	04/08/98	0:07	28	COC-09	38.40	-123.82	150	8.63	33.89	2.01	0.09	18.86	27.17	0.00	27.17	0.03
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	3	12.62	32.81	0.73	0.00	2.77	0.35	0.02	0.33	0.40
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	10	12.62	32.81	0.46	0.08	3.46	0.47	0.02	0.45	0.42
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	19	12.62	32.81	0.36	0.06	2.23	0.00	0.02	0.00	0.41
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	29	12.62	32.81	0.36	0.00	2.14	0.00	0.03	0.00	0.43
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	41	12.62	32.81	0.32	0.01	2.57	0.06	0.02	0.04	0.41
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	50	12.62	32.81	0.43	0.05	2.74	0.02	0.00	0.02	0.42
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	60	12.62	32.81	0.37	0.00	2.36	0.14	0.00	0.14	0.40
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	70	12.47	32.87	0.52	0.03	3.78	2.19	0.00	2.19	0.31
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	99	10.14	33.35	1.27	0.00	14.55	14.47	0.00	14.47	0.05
W9804A	04/08/98	3:56	29	COC-11	38.29	-123.99	151	8.70	33.77	1.69	0.00	25.93	22.81	0.01	22.80	0.02
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	0	10.30	33.24	1.32	0.62	12.06	7.79	0.13	7.66	13.64
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	5	10.40	33.23	1.45	0.77	15.13	11.64	0.13	11.51	13.71
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	10	10.20	33.25	1.89	1.15	24.46	18.75	0.11	18.64	9.44
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	15	9.80	33.29	2.08	0.88	30.50	22.99	0.10	22.89	4.70
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	20	8.80	33.37	1.84	0.83	30.60	20.66	0.05	20.61	1.59
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	25	8.20	33.61	2.20	0.30	35.54	26.34	0.07	26.27	0.58
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	30	8.00	33.69	2.32	0.00	42.57	28.91	0.06	28.85	0.56
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	40	7.80	33.81	2.60	0.05	54.54	30.48	0.14	30.34	1.60
W9808A	08/06/98	20:36	3	NH-05	44.65	-124.18	52	7.80	33.81	2.63	0.21	56.61	30.28	0.17	30.11	3.10
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	0	12.00	32.42	0.60	0.52	5.93	1.82	0.00	1.82	9.90
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	5	11.60	32.54	0.60	0.36	7.02	2.31	0.00	2.31	10.94
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	10	11.50	32.60	0.63	0.36	7.45	2.80	0.00	2.80	10.87
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	20	9.60	32.55	1.11	0.25	16.22	9.61	0.03	9.58	1.74
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	30	8.90	32.79	1.36	0.07	17.64	13.95	0.00	13.95	0.63
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	50	8.80	33.27	1.97	0.09	31.03	25.40	0.00	25.40	0.37
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	60	8.50	33.56	2.09	0.08	33.76	26.88	0.00	26.88	0.05
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	70	8.40	33.66	2.63	0.24	50.68	30.53	0.00	30.53	0.04
W9808A	08/07/98	9:29	7	NH-15	44.65	-124.41	85	7.90	33.79	1.07	0.43	10.65	5.92	0.10	5.82	0.10
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	0	14.50	31.82		0.13	0.00	1.96	0.10	1.86	0.45
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	10	14.30	31.86	0.43	0.20	1.25	1.97	0.10	1.87	0.56
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	20	10.40	32.50	0.50	0.00	1.02	2.57	0.22	2.35	1.30

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	25	10.20	32.54	0.62	0.00	2.44	3.87	0.28	3.59	0.98
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	30	9.90	32.56	0.73	0.04	3.20	5.66	0.18	5.48	0.59
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	40	9.40	32.61	0.98	0.43	6.93	8.75	0.15	8.60	0.20
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	50	9.10	32.78	1.15	0.12	10.66	11.74	0.13	11.61	0.17
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	70	8.70	33.34	1.82	0.44	25.29	21.99	0.13	21.86	0.11
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	100	8.10	33.70	2.29	0.49	37.94	28.27	0.11	28.16	0.12
W9808A	08/07/98	6:20	5	NH-25	44.65	-124.65	200	7.40	33.95	2.41	0.00	47.72	31.61	0.00	31.61	0.06
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	0	15.20	31.60	0.17	0.09	0.00	0.41	0.00	0.41	0.50
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	10	15.20	31.61	0.20	0.15	0.03	0.44	0.00	0.44	0.47
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	20	11.60	32.28	0.46	0.12	1.40	0.00	0.00	0.00	0.67
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	25	10.80	32.43	0.51	0.12	2.45	0.00	0.00	0.00	2.02
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	30	10.40	32.50	0.59	0.11	2.52	1.38	0.20	1.18	1.98
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	40	9.90	32.55	0.71	0.14	3.90	3.82	0.04	3.78	0.66
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	50	9.60	32.58	0.85	0.14	5.93	6.06	0.00	6.06	0.07
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	70	9.40	33.03	1.29	0.05	13.88	13.42	0.00	13.42	0.13
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	100	8.40	33.51	1.96	0.12	30.03	23.86	0.00	23.86	0.06
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	150	7.90	33.89	2.34	0.19	35.35	30.83	0.00	30.83	0.06
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	235	7.20	33.97	2.40	0.00	49.63	31.20	0.00	31.20	0.07
W9808A	08/07/98	11:35	8	NH-35	44.65	-124.88	410	6.00	34.02	2.70	0.00	65.07	36.17	0.00	36.17	0.04
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	0	15.80	31.29	0.08	0.09	3.01	0.23	0.00	0.23	0.73
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	20	10.60	32.49	0.44	0.13	3.04	0.25	0.00	0.25	0.95
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	25	10.10	32.54	0.47	0.10	3.08	1.32	0.05	1.27	1.18
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	30	10.00	32.55	0.52	0.14	2.78	1.34	0.12	1.22	1.30
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	40	9.60	32.59	0.74	0.09	4.79	5.11	0.03	5.08	0.83
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	50	9.40	32.70	0.87	0.14	6.81	2.43	0.00	2.43	0.39
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	70	8.80	33.41	2.20	0.15	35.92	28.48	0.00	28.48	0.05
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	150	7.50	33.93	2.42	0.09	43.55	31.48	0.00	31.48	0.04
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	500	5.70	34.06	2.84	0.00	72.22	37.25	0.00	37.25	0.02
W9808A	08/07/98	13:40	9	NH-45	44.65	-125.12	680	4.60	34.21	3.06	0.00	94.10	41.02	0.00	41.02	0.01
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	0	16.80	30.76	0.10	0.31	1.27	0.00	0.00	0.00	0.29
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	10	16.70	30.83	0.04	0.09	3.64	0.00	0.00	0.00	0.29
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	20	13.60	32.22	0.30	0.08	0.09	0.00	0.00	0.00	0.36
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	30	10.90	32.62	0.42	0.24	1.14	0.13	0.00	0.13	0.50
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	40	10.60	32.61	0.58	0.14	1.86	2.09	0.08	2.01	0.71
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	45	10.30	32.59	0.64	0.14	2.26	3.27	0.09	3.18	0.82
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	50	9.80	32.57	0.70	0.13	3.31	4.65	0.06	4.59	0.74
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	70	9.20	32.89	1.04	0.10	8.95	10.56	0.13	10.43	0.47
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	100	8.90	33.53	1.77	0.10	23.14	22.45	0.00	22.45	0.03
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	150	8.10	33.83	2.10	0.05	34.04	29.13	0.00	29.13	0.02
W9808A	08/07/98	18:45	11	NH-65	44.65	-125.6	1005	3.50	34.43	3.20	0.00	129.46	42.48	0.00	42.48	0.01
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	0	17.50	31.46	0.04	0.13	2.37	0.00	0.00	0.00	0.21
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	20	15.80	31.80	0.11	0.19	5.64	0.00	0.00	0.00	0.27
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	30	12.70	32.41	0.34	0.08	1.36	0.00	0.00	0.00	0.37
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	40	11.20	32.56	0.39	0.12	1.68	0.00	0.00	0.00	0.47
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	50	10.90	32.59	0.53	0.14	4.62	2.20	0.09	2.11	0.49
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	60	10.30	32.59	0.63	0.08	4.28	3.93	0.00	3.93	0.34
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	70	9.90	32.58	0.79	0.08	5.91	6.82	0.00	6.82	0.21
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	100	9.40	33.10	1.84	0.08	27.89	24.27	0.00	24.27	0.19
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	150	8.00	33.79	2.00	0.05	31.16	27.93	0.00	27.93	0.09
W9808A	08/07/98	22:32	12	NH-85	44.65	-126.05	1000	3.50	34.41	3.22	0.00	126.54	42.33	0.00	42.33	0.00
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	0	10.10	33.56	1.25	0.33	17.13	11.94	0.28	11.66	14.05

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	5	10.00	33.56	1.28	0.41	17.37	12.46	0.26	12.20	13.05
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	10	9.70	33.55	1.35	0.35	17.61	13.57	0.25	13.32	15.57
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	15	9.60	33.54	1.47	0.42	19.50	15.08	0.34	14.74	13.84
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	20	9.40	33.56	1.85	0.77	26.67	21.52	0.34	21.18	8.39
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	25	8.90	33.61	2.19	0.91	34.16	27.17	0.27	26.90	0.95
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	30	8.70	33.72	2.19	0.86	35.06	27.49	0.25	27.24	0.93
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	40	8.60	33.79	2.24	0.77	38.27	28.31	0.19	28.12	0.52
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	50	8.50	33.83	2.25	0.75	39.17	28.53	0.15	28.38	0.42
W9808A	08/08/98	19:41	19	FM-03	43.22	-124.5	60	8.50	33.83	2.29	0.75	39.08	28.45	0.18	28.27	0.44
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	0	10.58	33.35	0.82	0.61	6.61	5.96	0.15	5.81	10.15
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	5	10.58	33.35	0.85	0.61	6.98	6.26	0.17	6.09	10.27
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	8	10.24	33.36	1.04	1.01	9.32	8.30	0.18	8.12	9.43
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	10	10.20	33.37	1.11	1.13	10.02	9.18	0.20	8.98	9.05
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	20	9.58	33.47	1.68	1.68	19.96	17.59	0.29	17.30	2.05
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	29	9.05	33.56	2.05	1.85	59.32	22.62	0.34	22.28	0.48
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	40	9.08	33.68	2.09	2.01	60.01	23.31	0.30	23.01	0.38
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	50	8.63	33.78	2.10	0.97	65.99	25.25	0.25	25.00	0.26
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	59	8.45	33.83	2.23	0.46	40.25	27.19	0.28	26.91	1.08
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	70	8.40	33.86	2.39	0.34	39.95	29.62	0.29	29.33	0.17
W9808A	08/08/98	18:15	18	FM-04	43.22	-124.58	77	8.40	33.86	2.37	0.36	40.32	29.44	0.29	29.15	0.18
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	0	11.50	33.23	0.40	1.29	0.00	1.61	0.00	1.61	0.79
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	10	11.40	33.23	0.43	1.30	0.00	1.74	0.00	1.74	0.78
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	15	11.50	33.23	0.56	1.40	3.42	3.24	0.00	3.24	0.77
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	20	11.40	33.23	0.94	1.78	9.60	7.41	0.08	7.33	0.59
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	30	10.50	33.28	1.46	1.09	18.08	15.14	0.20	14.94	0.59
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	40	9.60	33.41	1.71	1.03	22.28	20.01	0.20	19.81	0.42
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	50	8.80	33.60	2.02	0.76	29.12	25.56	0.23	25.33	0.19
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	60	8.80	33.72	2.11	0.76	32.32	26.97	0.23	26.74	0.11
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	70	8.70	33.77	2.24	0.20	36.52	29.36	0.19	29.17	0.10
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	100	8.40	33.87	2.34	0.09	40.06	30.67	0.15	30.52	0.13
W9808A	08/08/98	16:36	17	FM-05	43.22	-124.67	140	8.20	33.92	2.15	0.26	39.64	26.35	0.09	26.26	0.11
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	0	12.00	33.01	0.35	0.34	0.00	2.65	0.14	2.51	1.51
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	10	11.80	33.06	0.38	0.52	0.00	2.85	0.14	2.71	1.51
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	15	11.40	33.02	0.46	0.79	0.00	3.34	0.15	3.19	1.74
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	20	9.40	33.00	0.65	0.60	2.28	4.84	0.18	4.66	1.00
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	30	9.20	33.32	1.35	0.25	14.16	15.38	0.31	15.07	0.74
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	40	9.00	33.51	1.60	0.00	19.45	20.76	0.18	20.58	0.16
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	51	8.90	33.66	1.71	0.00	22.09	22.55	0.18	22.37	0.08
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	70	8.80	33.73	2.00	0.51	27.70	25.13	0.32	24.81	0.07
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	100	8.60	33.84	2.13	0.06	31.34	28.42	0.36	28.06	0.07
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	152	8.00	33.99	2.31	0.00	37.94	30.81	0.23	30.58	0.06
W9808A	08/08/98	13:58	15	FM-07	43.22	-124.83	250	7.60	34.02	2.44	0.00	47.99	30.67	0.00	30.67	0.04
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	0	12.10	32.82	0.36	0.34	0.00				0.91
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	10	12.10	32.82	0.39	0.30	0.00				0.97
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	20	12.00	33.03	0.53	0.53	2.09				1.37
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	25	10.90	32.87	0.68	0.63	8.11				0.87
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	30	10.80	32.91	0.90	0.48	4.55				0.84
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	40	9.30	33.06	1.35	0.19	15.53				0.62
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	49	9.20	33.28	1.48	0.23	17.26				0.34
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	70	9.10	33.67	1.88	0.87	26.25				0.23
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	100	8.80	33.77	2.02	0.53	29.96				0.07
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	150	8.30	33.95	2.28	0.11	36.65				0.09

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9808A	08/08/98	11:20	14	FM-08	43.22	-125.	1005	3.70	34.41	3.22	0.00	122.66				0.01
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	0	12.70	32.93	0.42	0.40	1.19				0.93
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	10	12.70	32.95	0.44	0.48	1.26				0.99
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	20	12.40	33.04	0.82	0.73	5.63				0.74
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	30	11.80	33.19	1.32	1.19	5.38				1.20
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	40	11.10	33.26	0.96	0.97	6.44				1.57
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	50	9.40	33.18	1.31	0.85	13.13				0.87
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	70	9.30	33.45	1.70	0.39	21.79				0.22
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	85	9.00	33.62	1.91	0.40	25.83				0.14
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	100	8.70	33.66	2.07	0.16	30.20				0.07
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	150	8.10	33.94	2.20	0.14	35.57				0.04
W9808A	08/08/98	8:07	13	FM-09	43.22	-125.17	1005	3.60	34.42	3.20	0.00	125.32				0.01
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	0	11.60	33.43	1.12	0.41	17.78	5.95	0.23	5.72	2.20
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	5	10.90	33.45	1.17	0.42	17.81	6.87	0.23	6.64	2.42
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	10	10.40	33.46	1.36	0.31	19.81	14.48	0.25	14.23	2.42
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	15	10.10	33.49	1.53	0.31	22.14	16.96	0.27	16.69	2.19
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	20	9.80	33.55	1.57	0.35	22.50	18.06	0.30	17.76	1.93
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	25	9.60	33.60	1.62	0.44	23.19	18.42	0.33	18.09	1.61
W9808A	08/09/98	20:09	29	CR-01	41.90	-124.3	37	9.30	33.69	1.97	0.75	31.75	23.01	0.44	22.57	0.52
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	0	12.20	32.75	0.49	0.30	1.61	1.77	0.09	1.68	0.44
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	5	12.20	32.75	0.51	0.33	1.94	2.39	0.09	2.30	0.61
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	17	11.10	32.78	0.69	0.40	3.91	4.94	0.15	4.79	0.72
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	20	10.50	32.89	0.91	0.09	7.51	8.87	0.18	8.69	0.70
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	30	10.00	33.08	1.19	0.09	12.76	12.79	0.12	12.67	0.34
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	40	9.70	33.23	1.35	0.22	15.38	15.25	0.06	15.19	0.17
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	50	9.50	33.37		0.58	18.34	17.71	0.10	17.61	0.09
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	60	9.30	33.48	1.53	0.19	20.96	18.06	0.09	17.97	0.08
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	70	9.10	33.60	1.68	1.15	24.93	20.62	0.06	20.56	0.04
W9808A	08/09/98	16:59	27	CR-03	41.90	-124.5	100	8.60	33.86	2.10	0.10	33.16	26.58	0.06	26.52	0.04
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	0	12.60	32.71	0.40	0.11	2.04	0.76	0.04	0.72	0.58
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	10	12.20	32.72	0.45	0.14	2.40	1.66	0.08	1.58	0.63
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	20	12.10	32.74	0.46	0.29	2.43	1.82	0.08	1.74	0.66
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	25	11.80	32.82	0.50	0.30	2.13	1.62	0.09	1.53	0.62
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	30	11.80	33.05	0.69	0.54	3.48	4.36	0.14	4.22	0.75
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	40	10.10	32.92	0.89	0.64	6.46	7.55	0.22	7.33	0.49
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	50	9.70	33.19	1.23	0.13	13.38	14.04	0.13	13.91	0.23
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	70	9.30	33.46	1.59	0.01	21.29	20.53	0.01	20.52	0.06
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	100	8.80	33.74	1.92	0.02	28.50	25.65	0.02	25.63	0.04
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	150	8.20	33.92	2.11	0.00	35.39	29.39	0.00	29.39	0.03
W9808A	08/09/98	14:42	26	CR-04	41.90	-124.6	460	5.70	34.11	2.93	0.00	76.15	36.32	0.00	36.32	0.03
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	0	13.60	32.65	0.31	0.66	5.77	0.00	0.08	0.00	0.46
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	10	13.60	32.65	0.32	0.64	5.63	0.00	0.08	0.00	0.45
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	20	13.40	32.65	0.35	0.78	5.50	0.00	0.09	0.00	0.46
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	30	13.20	32.79	0.55	0.82	6.31	2.15	0.17	1.98	0.57
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	40	12.00	33.16	1.02	1.10	13.07	9.31	0.27	9.04	0.68
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	47	11.10	33.26	1.28	1.16	17.27	13.00	0.37	12.63	0.66
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	50	10.90	33.27	1.36	1.21	17.67	13.76	0.45	13.31	0.65
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	70	9.70	33.42	1.59	0.92	22.68	18.49	0.42	18.07	0.20
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	100	8.80	33.70	2.00	0.34	30.66	25.31	0.24	25.07	0.08
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	150	7.90	33.90	2.27	0.36	38.92	29.54	0.09	29.45	0.03
W9808A	08/09/98	13:17	25	CR-05	41.90	-124.7	510	5.30	34.15	3.01	0.00	83.95	38.05	0.00	38.05	0.02

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	0	13.70	32.82	0.69	0.76	13.28	3.60	0.22	3.38	1.10
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	10	13.70	32.82	0.68	0.74	13.11	3.62	0.22	3.40	1.30
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	20	13.70	32.82	0.70	0.70	12.94	3.67	0.21	3.46	1.09
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	30	11.20	32.77	0.80	0.80	14.03	4.68	0.25	4.43	1.10
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	40	11.00	33.25	1.15	1.25	18.85	9.85	0.36	9.49	2.43
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	50	9.90	33.25	1.52	1.09	26.31	16.66	0.44	16.22	0.67
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	70	9.70	33.55	1.79	0.90	32.93	22.40	0.39	22.01	0.29
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	100	8.80	33.73	2.00	0.68	39.56	26.92	0.21	26.71	0.05
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	150	8.10	33.90	2.11	0.65	44.10	29.31	0.20	29.11	0.05
W9808A	08/09/98	9:25	23	CR-07	41.90	-125.	780	4.20	34.34	3.21	0.00	107.81	40.87	0.00	40.87	0.02
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	0	13.50	32.81	0.65	0.70	11.17	3.02	0.25	2.77	1.11
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	10	12.70	32.81	0.70	0.76	11.07	2.99	0.24	2.75	1.42
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	20	11.90	32.81	0.66	0.74	15.00	2.76	0.23	2.53	1.13
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	30	11.40	32.64	0.75	0.77	12.13	3.99	0.27	3.72	0.91
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	40	10.00	32.78	0.83	0.75	12.72	5.37	0.29	5.08	0.98
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	50	9.80	33.05	0.95	0.68	14.84	7.66	0.36	7.30	0.69
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	70	9.80	33.36	1.25	0.69	20.57	14.12	0.22	13.90	0.15
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	100	9.10	33.69	1.64	0.70	29.34	21.38	0.22	21.16	0.06
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	150	8.10	33.89	2.07	0.68	43.80	28.86	0.21	28.65	0.03
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	750	4.20	34.31	3.21	0.00	107.04	41.07	0.00	41.07	0.02
W9808A	08/09/98	5:00	21	CR-09	41.90	-125.33	1005	3.60	34.42	3.21	0.00	123.92	41.45	0.00	41.45	0.04
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	0	12.90	33.36	0.51	0.10	1.29	3.44	0.23	3.21	6.03
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	5	12.90	33.37	0.53	0.14	1.62	3.34	0.21	3.13	6.45
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	10	11.70	33.50	0.77	0.18	7.23	6.23	0.27	5.96	5.79
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	15	11.00	33.53	1.11	0.44	11.52	11.30	0.33	10.97	5.38
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	20	10.40	33.60	1.22	0.50	12.84	13.09	0.36	12.73	4.24
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	25	10.20	33.61	1.18	0.43	12.51	12.50	0.35	12.15	4.81
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	30	10.00	33.64	1.28	0.54	13.83	13.99	0.38	13.61	3.68
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	40	9.20	33.78	1.58	0.88	19.78	19.06	0.50	18.56	0.97
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	50	8.90	33.84	1.99	0.00	27.37	25.13	0.51	24.62	0.43
W9808A	08/10/98	2:25	30	EU-01	40.87	-124.27	55	8.90	33.85	2.17	0.19	31.43	26.93	0.34	26.59	0.39
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	0	11.60	33.13	0.70	0.11	8.23	5.73	0.21	5.52	0.79
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	5	11.60	33.13	0.76	0.14	9.25	7.00	0.24	6.76	0.82
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	10	11.20	33.18	0.88	0.36	10.60	9.27	0.30	8.97	1.34
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	20	10.40	33.25	1.10	0.21	13.91	13.01	0.31	12.70	1.18
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	25	10.20	33.24	1.12	0.17	13.94	13.54	0.30	13.24	1.03
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	30	10.10	33.30	1.30	0.23	17.25	16.28	0.38	15.90	0.59
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	40	9.70	33.56	1.65	0.00	23.85	23.23	0.10	23.13	0.15
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	50	9.40	33.68	1.80	0.00	27.16	24.59	0.08	24.51	0.08
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	60	9.00	33.79	1.84	0.00	29.82	26.03	0.08	25.95	0.07
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	70	8.90	33.82	1.84	0.00	29.85	26.20	0.09	26.11	0.09
W9808A	08/10/98	3:47	31	EU-02	40.87	-124.37	105	8.50	33.91	1.96	0.00	33.16	28.11	0.10	28.01	0.09
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	0	12.10	33.11	0.74	0.19	7.24	7.65	0.25	7.40	1.30
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	10	11.90	33.11	0.83	0.09	7.58	8.71	0.30	8.41	1.45
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	20	11.10	33.19	0.99	0.00	10.64	11.53	0.40	11.13	1.78
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	25	10.80	33.33	1.02	0.15	12.34	12.12	0.41	11.71	1.71
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	30	10.60	33.46	1.07	0.21	13.36	12.35	0.42	11.93	1.58
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	40	10.00	33.54	1.19	0.37	14.04	13.96	0.46	13.50	1.47
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	50	9.50	33.63	1.37	0.31	17.09	16.97	0.44	16.53	1.05
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	70	9.30	33.80	1.72	0.00	24.22	23.04	0.09	22.95	0.12
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	100	9.00	33.86	2.01	0.03	34.07	26.97	0.06	26.91	0.13

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	150	8.60	33.95	2.16	0.01	33.73	28.77	0.07	28.70	0.11
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	325	6.40	34.08	2.74	0.00	63.99	33.47	0.00	33.47	0.04
W9808A	08/10/98	5:32	32	EU-03	40.87	-124.47	350	6.20	34.09	2.71	0.00	67.44	34.36	0.00	34.36	0.04
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	0	13.60	32.92	0.51	0.09	4.53	4.40	0.15	4.25	0.72
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	10	12.80	32.93	0.55	0.09	4.77	4.81	0.19	4.62	1.00
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	20	11.80	33.14	0.85	0.08	11.46	9.95	0.32	9.63	1.52
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	30	10.60	33.40	1.27	0.07	18.48	16.76	0.43	16.33	1.83
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	40	10.10	33.52	1.49	0.04	21.44	20.33	0.28	20.05	1.01
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	50	9.90	33.64	1.66	0.00	24.73	22.59	0.11	22.48	0.22
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	70	9.50	33.73	1.80	0.02	28.37	25.23	0.05	25.18	0.11
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	100	9.00	33.86	2.01	0.00	33.02	27.86	0.02	27.84	0.12
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	150	8.70	33.93	2.09	0.03	34.62	29.01	0.02	28.99	0.12
W9808A	08/10/98	9:07	34	EU-05	40.87	-124.67	710	4.50	34.29	3.12	0.00		43.90	0.00	43.90	0.06
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	0	13.80	32.65	0.17	0.00	0.11	0.00	0.04	0.00	0.36
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	10	13.80	32.65	0.17	0.16	0.00	0.00	0.04	0.00	0.39
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	20	12.20	32.76	0.31	0.00	1.13	0.87	0.08	0.79	0.99
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	25	11.80	32.78	0.38	0.04	1.47	1.64	0.09	1.55	0.94
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	30	11.20	32.81	0.53	0.00	3.17	4.07	0.09	3.98	0.68
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	40	11.00	32.83	0.61	0.00	4.19	5.20	0.09	5.11	0.70
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	50	10.80	32.87	0.67	0.02	5.21	7.26	0.07	7.19	0.33
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	70	10.40	33.03	1.07	0.00	11.66	13.31	0.03	13.28	0.19
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	100	9.30	33.57	1.51	0.00	21.85	21.22	0.03	21.19	0.04
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	199	7.90	33.98	1.85	0.01	31.36	26.81	0.01	26.80	0.06
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	316	6.50	34.06	2.48	0.00	58.86	35.36	0.00	35.36	0.03
W9808A	08/10/98	12:39	36	EU-07	40.87	-124.93	1000	3.70	34.42	3.12	0.00		44.29	0.00	44.29	0.01
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	0	11.00	33.63	1.77	1.46	34.35	21.04	0.52	20.52	0.58
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	5	10.90	33.63	1.83	1.55	34.20	20.89	0.52	20.37	0.47
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	10	10.60	33.65	1.85	1.41	34.18	20.93	0.53	20.40	0.54
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	15	10.30	33.69	2.09	1.21	36.38	22.01	0.51	21.50	0.49
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	30	10.00	33.72	1.89	1.02	34.42	22.85	0.53	22.32	0.35
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	40	10.00	33.73	2.03	1.03	40.08	24.80	0.56	24.24	0.32
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	50	9.90	33.76	2.06	0.86	40.48	25.38	0.53	24.85	0.25
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	60	9.80	33.77	2.04	0.70	42.12	25.95	0.38	25.57	0.24
W9808A	08/11/98	2:25	37	COC-02	38.65	-123.45	72	9.80	33.78	2.06	0.90	43.21	26.11	0.35	25.76	0.33
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	0	10.90	33.68	1.88	1.30	34.54	22.13	0.48	21.65	0.36
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	10	10.80	33.68	1.92	1.27	34.69	22.29	0.48	21.81	0.34
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	20	10.20	33.70	1.92	1.12	35.40	23.24	0.44	22.80	0.32
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	30	10.00	33.74	1.98	0.96	36.10	24.43	0.39	24.04	0.28
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	40	9.60	33.80	2.01	0.67	37.78	25.58	0.33	25.25	0.15
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	50	9.60	33.81	2.03	0.65	38.63	25.84	0.31	25.53	0.15
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	60	9.60	33.83	2.05	0.63	40.03	26.11	0.21	25.90	0.18
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	70	9.50	33.86	2.08	0.62	40.32	26.42	0.19	26.23	0.14
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	90	9.40	33.88		0.69	43.38	26.88	0.19	26.69	0.13
W9808A	08/11/98	3:55	38	COC-04	38.60	-123.51	102	9.40	33.89		0.67	43.70	26.96	0.20	26.76	0.14
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	0	10.60	33.72	2.06	1.51	40.61	24.43	0.46	23.97	0.21
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	10	10.60	33.72	2.04	1.48	40.57	24.40	0.47	23.93	0.21
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	20	10.50	33.72	2.06	1.40	41.36	24.76	0.50	24.26	0.31
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	30	10.20	33.73	2.08	1.38	40.21	24.72	0.53	24.19	0.47
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	35	10.10	33.73	2.05	1.25	41.41	25.08	0.51	24.57	0.36
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	40	10.10	33.74	2.07	1.11	41.23	25.50	0.42	25.08	0.26
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	50	9.80	33.78	2.03	0.73	41.05	26.27	0.25	26.02	0.14

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	70	9.40	33.88	2.11	0.69	44.48	27.28	0.20	27.08	0.15
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	85	9.30	33.89	2.12	0.69	44.99	27.55	0.20	27.35	0.13
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	100	9.30	33.90	2.15	0.74	45.78	27.67	0.21	27.46	0.13
W9808A	08/11/98	5:36	39	COC-05	38.58	-123.56	130	9.10	33.95	2.09	0.70	44.35	27.41	0.27	27.14	0.13
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	0	12.10	33.31	0.99	0.51	19.91	8.57	0.40	8.17	2.03
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	10	12.10	33.31	0.96	0.55	20.36	8.69	0.41	8.28	1.89
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	20	12.10	33.31	0.87	0.60	20.94	9.53	0.41	9.12	1.41
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	30	11.70	33.38	1.00	0.53	23.22	11.54	0.43	11.11	1.06
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	40	11.60	33.40	1.15	0.52	24.46	12.93	0.45	12.48	1.18
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	50	10.50	33.60	1.42	0.38	28.99	18.04	0.24	17.80	0.64
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	70	10.10	33.79	1.58	0.42	32.98	20.52	0.17	20.35	0.12
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	100	9.80	33.87	1.64	0.32	38.03	24.73	0.17	24.56	0.09
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	150	9.40	33.96	1.76	0.48	40.19	25.88	0.17	25.71	0.05
W9808A	08/11/98	8:01	41	COC-07	38.50	-123.66	414	6.70	34.10	2.65	0.00	61.46				0.03
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	0	12.60	33.31	0.96	0.65	19.20	7.81	0.42	7.39	0.86
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	10	12.60	33.31	0.93	0.60	19.20	7.57	0.40	7.17	0.76
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	20	12.60	33.31	0.97	0.61	19.86	8.04	0.42	7.62	0.93
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	30	12.50	33.32	1.02	0.57	20.38	8.59	0.43	8.16	0.81
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	40	12.20	33.36	1.12	0.59	24.20	12.56	0.49	12.07	0.87
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	50	11.50	33.48	1.30	0.70	25.78	14.36	0.48	13.88	0.42
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	60	11.00	33.54	1.56	0.36	30.91	20.09	0.34	19.75	0.23
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	70	10.20	33.71	1.74	0.57	34.32	22.72	0.17	22.55	0.16
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	100	9.70	33.85	1.88	0.34	38.93	25.15	0.17	24.98	0.09
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	150	9.40	33.93	1.95	0.33	41.56	26.76	0.17	26.59	0.08
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	670	4.70	34.22	3.12	0.00	95.10	38.97	0.00	38.97	0.01
W9808A	08/11/98	11:51	43	COC-09	38.40	-123.82	1006	3.90	34.43	3.27	0.00	120.01	40.25	0.00	40.25	0.01
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	0	12.50	33.40	0.94	0.80	24.17	10.44	0.70	9.74	0.86
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	10	12.50	33.40	0.95	0.78	23.64	10.14	0.67	9.47	0.76
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	15	12.50	33.40	0.97	0.84	22.84	9.85	0.63	9.22	0.93
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	20	12.50	33.40	0.92	0.77	19.61	9.27	0.61	8.66	0.81
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	30	11.70	33.41	1.01	0.82	20.71	10.83	0.50	10.33	0.87
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	40	11.20	33.51	1.19	0.39	24.51	14.62	0.13	14.49	0.42
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	50	10.80	33.57	1.47	0.57	27.09	18.24	0.11	18.13	0.23
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	70	10.40	33.69	1.65	0.70	29.81	20.84	0.01	20.83	0.16
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	100	9.80	33.82	1.89	0.70	33.07	23.26	0.00	23.26	0.09
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	150	9.10	33.94	1.88	0.66	33.36	23.22	0.00	23.22	0.08
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	800	4.50	34.36	3.24	0.00	104.69	42.12	0.00	42.12	0.02
W9808A	08/11/98	14:34	44	COC-11	38.29	-123.99	1001	3.90	34.44	3.24	0.00	116.57	42.55	0.00	42.55	0.01
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	0	10.20	32.89	1.50	0.62	16.62	15.23	0.17	15.06	2.24
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	10	9.40	32.96	1.61	0.56	20.61	17.13	0.19	16.94	1.15
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	15	9.10	33.10	1.61	0.57	20.32	17.03	0.19	16.84	1.40
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	20	9.10	33.23	1.85	0.74	25.97	21.69	0.20	21.49	0.53
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	30	9.00	33.40	1.97	1.05	31.62	22.55	0.20	22.35	0.61
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	40	8.80	33.70	2.32	0.89	39.91	27.30	0.31	26.99	0.95
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	47	8.50	33.73	2.48	0.53	46.22	28.63	0.32	28.31	1.47
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	49	8.50	33.73	2.48	0.61	44.60	28.53	0.33	28.20	1.92
W9809A	09/24/98	20:06	3	NH-05	44.65	-124.18	55	8.50	33.73	2.48	0.58	45.96	28.53	0.32	28.21	2.02
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	0	14.00	31.95	0.28	0.12	2.02	0.00	0.00	0.00	2.81
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	10	14.20	31.96	0.41	0.30	3.41	1.17	0.01	1.16	2.73
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	20	10.00	32.50	0.85	0.19	6.45	6.06	0.21	5.85	0.57
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	29	9.50	32.64	1.06	0.00	10.15	9.38	0.15	9.23	0.43

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	39	9.10	32.73	1.12	0.00	11.20	11.15	0.00	11.15	0.23
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	49	8.90	32.88	1.49	0.00	19.53	17.20	0.00	17.20	0.15
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	61	8.80	33.13	1.50	0.00	18.61	17.21	0.00	17.21	0.07
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	70	8.80	33.28	1.79	0.00	26.93	21.90	0.00	21.90	0.14
W9809A	09/24/98	23:03	5	NH-15	44.65	-124.41	84	8.40	33.65	2.18	0.04	40.88	26.78	0.07	26.71	0.27
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	0	15.20	32.17	0.16	0.30	0.00	0.30	0.00	0.30	0.55
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	10	15.20	32.17	0.16	0.31	0.00	0.40	0.00	0.40	0.57
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	15	14.40	32.22	0.70	0.40	0.00	0.60	0.00	0.60	0.59
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	20	11.50	32.44	0.49	0.74	0.00	1.54	0.04	1.50	0.73
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	30	10.50	32.55	0.49	0.56	0.00	1.44	0.08	1.36	0.57
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	40	9.80	32.60	0.66	0.23	2.28	4.77	0.15	4.62	0.36
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	50	9.50	32.63	0.81	0.12	3.30	7.15	0.03	7.12	0.27
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	70	8.90	32.88	1.81	0.04	22.17	22.76	0.00	22.76	0.03
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	149	8.20	33.81	2.22	0.33	32.77	28.19	0.00	28.19	0.03
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	200	7.70	33.95	2.38	0.00	44.75	31.24	0.00	31.24	0.02
W9809A	09/25/98	1:51	7	NH-25	44.65	-124.65	210	7.70	33.96	2.43	0.00	47.09	31.96	0.00	31.96	0.02
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	0	16.00	32.03	0.07	0.16	0.00	0.00	0.00	0.00	0.43
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	10	16.00	32.03	0.29	0.28	0.00	0.00	0.00	0.00	0.52
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	20	15.00	32.01	0.09	0.19	0.00	0.00	0.00	0.00	0.81
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	25	14.00	32.21	0.15	0.31	0.00	0.00	0.00	0.00	0.88
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	30	12.50	32.41	0.29	0.61	0.00	0.00	0.00	0.00	0.51
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	40	10.80	32.53	0.44	0.65	0.00	0.95	0.04	0.91	0.33
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	50	10.00	32.57	0.59	0.30	0.05	3.81	0.23	3.58	0.28
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	70	9.40	32.74	0.91	0.12	4.75	8.77	0.00	8.77	0.15
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	100	9.00	33.37	1.44	0.09	15.41	17.82	0.00	17.82	0.06
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	150	8.10	33.86	2.30	0.14	36.63	30.49	0.00	30.49	0.03
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	275	7.20	33.99	2.51	0.00	52.75	33.26	0.00	33.26	0.02
W9809A	09/25/98	3:50	8	NH-35	44.65	-124.88	430	5.30	34.09	3.06	0.00	70.36	40.72	0.00	40.72	0.01
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	0	16.30	31.98	0.00	0.14	0.00	0.00	0.00	0.00	0.57
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	10	16.30	31.98	0.00	0.15	0.00	0.00	0.00	0.00	0.58
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	20	16.00	32.00	0.01	0.27	0.00	0.00	0.00	0.00	0.71
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	27	14.40	32.30	0.62	0.30	0.00	0.00	0.00	0.00	0.97
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	30	13.40	32.42	0.73	0.35	0.00	0.05	0.00	0.05	0.86
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	40	11.60	32.52	0.43	0.66	0.00	0.91	0.00	0.91	0.37
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	50	10.40	32.57	0.57	0.25	0.58	3.11	0.21	2.90	0.31
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	70	9.60	32.70	1.40	0.15	16.19	17.11	0.00	17.11	0.12
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	100	8.90	33.32	1.73	0.09	20.89	21.69	0.00	21.69	0.05
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	150	8.10	33.85	2.20	0.07	34.19	29.79	0.00	29.79	
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	500	5.20	34.10	3.07	0.00	71.79	41.58	0.00	41.58	
W9809A	09/25/98	5:39	9	NH-45	44.65	-125.12	580	4.80	34.16	3.19	0.00	88.43	42.65	0.00	42.65	
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	0	16.20	32.06	0.02	0.20	0.00	0.00	0.00	0.00	0.45
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	10	16.20	32.06	0.02	0.15	0.00	0.00	0.00	0.00	0.46
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	20	15.80	32.07	0.06	0.17	0.00	0.06	0.00	0.06	0.57
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	30	13.50	32.26	0.39	0.61	0.00	1.94	0.09	1.85	0.94
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	35	12.00	32.47	0.53	0.67	0.00	3.46	0.15	3.31	0.66
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	40	11.20	32.58	0.68	0.80	1.16	6.45	0.17	6.28	0.40
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	50	10.50	32.59	0.79	0.94	2.96	7.00	0.19	6.81	0.29
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	70	9.80	32.78	2.11	0.19	31.60	28.31	0.08	28.23	0.12
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	100	9.00	33.47	1.95	0.11	23.93	25.14	0.07	25.07	0.06
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	150	8.10	33.86	2.18	0.13	31.84	29.09	0.02	29.07	
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	820	4.00	34.32	3.48	0.00		45.87	0.00	45.87	
W9809A	09/25/98	10:11	11	NH-65	44.65	-125.6	1000	3.60	34.41	3.47	0.00		45.28	0.00	45.28	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	0	17.70	31.91	0.00	0.00	0.00	0.00	0.00	0.00	0.43
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	10	17.70	31.91	0.00	0.00	0.00	0.00	0.00	0.00	0.44
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	20	14.80	32.18	0.00	0.00	0.00	0.00	0.00	0.00	0.44
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	25	12.40	32.32	0.00	0.00	0.00	0.00	0.00	0.00	0.47
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	30	11.20	32.44	0.25	0.11	1.29	0.00	0.00	0.00	0.68
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	40	10.30	32.55	0.62	0.85	5.39	1.63	0.03	1.60	0.36
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	50	9.70	32.62	1.29	0.00	16.10	14.04	0.03	14.01	0.22
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	70	9.00	32.96	1.34	0.00	15.57	14.34	0.00	14.34	0.10
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	100	8.10	33.72	2.08	0.00	32.88	26.85	0.00	26.85	0.03
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	150	7.90	33.94	2.36	0.00	41.27	30.86	0.00	30.86	0.02
W9809A	09/25/98	13:24	12	NH-85	44.65	-126.05	999	3.60	34.40	3.36	0.00	118.53	45.12	0.00	45.12	0.01
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	0	12.20	32.25	0.50	0.00	6.50	2.58	0.18	2.40	0.84
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	5	12.20	32.26	0.49	0.05	6.58	2.51	0.18	2.33	0.82
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	10	12.20	32.28	0.50	0.05	6.49	2.58	0.18	2.40	0.84
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	15	12.20	32.28	0.49	0.06	6.39	2.52	0.18	2.34	0.92
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	20	12.10	32.30	0.48	0.00	5.95	2.39	0.17	2.22	0.91
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	25	12.20	32.32	0.47	0.00	5.68	2.40	0.17	2.23	0.81
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	30	12.20	32.33	0.46	0.00	5.41	2.40	0.17	2.23	0.70
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	40	12.20	32.35	0.55	0.03	7.05	3.52	0.23	3.29	0.48
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	50	12.00	32.46	0.81	0.03	12.16	6.76	0.34	6.42	0.47
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	55	11.40	32.81	1.06	0.00	16.05	10.50	0.46	10.04	0.40
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	0	13.00	32.37	0.29	0.00	1.99	0.32	0.05	0.27	0.91
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	5	13.00	32.37	0.29	0.00	1.90	0.33	0.05	0.28	0.97
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	10	13.00	32.37	0.29	0.00	1.98	0.40	0.05	0.35	0.90
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	20	13.00	32.36	0.30	0.00	2.05	0.47	0.05	0.42	0.87
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	30	12.30	32.45	0.32	0.00	2.31	0.66	0.06	0.60	0.81
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	40	10.30	32.99	1.03	0.00	11.75	11.35	0.12	11.23	0.29
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	50	9.90	33.15	1.39	0.00	17.90	16.58	0.02	16.56	0.19
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	60	9.90	33.18	1.43	0.00	19.02	17.31	0.00	17.31	0.18
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	70	9.80	33.23	1.45	0.00	19.44	17.51	0.00	17.51	0.18
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	80	9.80	33.25	1.53	0.00	22.47	18.73	0.06	18.67	0.17
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	0	12.80	32.40	0.32	0.00	1.91	0.32	0.07	0.25	0.66
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	10	12.80	32.40	0.33	0.00	1.81	0.26	0.07	0.19	0.68
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	20	12.80	32.40	0.33	0.00	1.89	0.26	0.07	0.19	0.64
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	30	12.80	32.40	0.33	0.00	1.79	0.26	0.07	0.19	0.66
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	40	12.80	32.40	0.34	0.00	2.05	0.45	0.08	0.37	0.59
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	45	12.50	32.43	0.48	0.00	3.34	2.32	0.16	2.16	0.45
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	50	11.50	32.53	0.80	0.00	6.19	6.56	0.13	6.43	0.23
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	70	9.60	33.04	1.28	0.00	14.25	14.78	0.04	14.74	0.08
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	100	9.00	33.55	1.95	0.00	32.71	25.00	0.03	24.97	0.07
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	150	8.40	33.85	2.14	0.00	35.57	28.98	0.02	28.96	0.02
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	200	7.60	33.92	2.23	0.00	43.06	30.48	0.00	30.48	0.01
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	0	12.80	32.36	0.29	0.00	4.93	0.00	0.02	0.00	0.58
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	10	12.80	32.36	0.29	0.00	4.66	0.07	0.02	0.05	0.56
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	20	12.80	32.36	0.29	0.00	4.74	0.00	0.02	0.00	0.55
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	30	12.80	32.36	0.30	0.00	4.82	0.27	0.03	0.24	0.55
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	40	11.10	32.56	0.62	0.00	4.03	4.40	0.10	4.30	0.28
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	50	10.30	32.67	0.78	0.00	5.84	6.72	0.05	6.67	0.21
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	70	9.60	32.92	1.20	0.00	12.86	13.64	0.02	13.62	0.14
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	100	8.90	33.65	1.89	0.00	28.55	25.24	0.00	25.24	0.02
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	150	8.20	33.82	2.06	0.00	34.35	28.77	0.00	28.77	0.01

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	420	5.50	34.07	2.96	0.00	78.42	39.96	0.00	39.96	0.01
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	0	12.90	32.33	0.24	0.15	0.00	0.00	0.04	0.00	0.55
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	10	12.90	32.34	0.26	0.15	0.00	0.00	0.05	0.00	0.56
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	20	12.90	32.36	0.27	0.15	0.00	0.20	0.04	0.16	0.60
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	30	13.00	32.37	0.26	0.13	0.00	0.00	0.03	0.00	0.59
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	40	12.10	32.44	0.51	0.11	0.16	2.68	0.09	2.59	0.33
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	50	10.20	32.67	0.82	0.10	3.77	6.91	0.06	6.85	0.20
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	70	9.60	33.20	1.52	0.09	15.66	17.50	0.01	17.49	0.08
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	100	9.10	33.59	1.98	0.10	24.11	24.38	0.01	24.37	0.03
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	150	8.40	33.86	2.20	0.11	31.52	27.53	0.02	27.51	0.02
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	500	5.20	34.13	3.10	0.00	84.21	41.90	0.00	41.90	0.01
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	0	12.90	32.27	0.28	0.00	1.07	0.07	0.02	0.05	0.56
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	10	12.90	32.27	0.28	0.00	1.12	0.07	0.02	0.05	0.52
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	20	12.90	32.27	0.28	0.00	1.16	0.02	0.02	0.00	0.54
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	31	12.90	32.27	0.30	0.00	1.20	0.25	0.03	0.22	0.49
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	36	12.80	32.29	0.28	0.00	1.07	0.13	0.03	0.10	0.52
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	41	12.80	32.29	0.31	0.00	1.29	0.31	0.04	0.27	0.55
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	50	9.90	32.61	0.76	0.00	6.76	6.21	0.05	6.16	0.21
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	69	9.80	32.92	1.05	0.00	11.19	11.43	0.02	11.41	0.14
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	102	8.80	33.46	1.77	0.00	26.64	23.07	0.00	23.07	0.03
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	148	7.90	33.84	2.02	0.00	36.32	28.34	0.00	28.34	0.01
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	1006	3.60	34.42	3.31	0.00	119.50	45.09	0.00	45.09	0.01
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	0	13.70	32.51	0.26	0.00	0.75	0.00	0.01	0.00	0.35
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	10	13.70	32.53	0.25	0.00	0.21	0.00	0.00	0.00	0.36
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	20	13.70	32.53	0.26	0.00	0.18	0.00	0.01	0.00	0.35
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	30	13.70	32.53	0.26	0.00	1.54	0.00	0.01	0.00	0.38
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	40	13.70	32.53	0.26	0.00	1.69	0.00	0.01	0.00	0.36
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	45	13.70	32.53	0.29	0.00	1.14	0.04	0.02	0.02	0.35
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	51	13.60	32.52	0.59	0.00	4.76	4.35	0.23	4.12	0.25
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	70	9.80	33.02	1.29	0.00	14.79	15.64	0.00	15.64	0.10
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	101	8.50	33.40	1.74	0.00	25.87	23.53	0.00	23.53	0.02
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	149	7.90	33.88	2.27	0.00	40.24	30.93	0.00	30.93	0.02
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	1005	3.50	34.42	3.31	0.00	123.92	45.09	0.00	45.09	0.00
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	0	11.70	32.80	0.81	0.00	10.73	7.74	0.28	7.46	1.34
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	5	11.70	32.80	0.82	0.00	12.87	7.68	0.28	7.40	1.39
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	10	11.70	32.80	0.80	0.00	11.02	7.62	0.28	7.34	1.27
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	15	11.80	32.81	0.80	0.00	11.60	7.69	0.28	7.41	1.28
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	20	11.80	32.86	0.83	0.00	10.97	8.07	0.34	7.73	1.16
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	25	11.80	33.00	0.86	0.00	11.72	8.89	0.38	8.51	0.98
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	29	11.80	33.00	0.90	0.00	17.16	9.14	0.41	8.73	0.74
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	40	11.40	33.07	0.92	0.16	12.71	9.77	0.42	9.35	0.62
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	49	10.90	33.22	1.28	0.00	30.64	14.82	0.35	14.47	0.42
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	0	11.80	32.92	0.77	0.00	8.99	8.00	0.32	7.68	0.89
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	10	11.80	32.94	0.80	0.00	9.31	8.49	0.33	8.16	0.91
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	16	11.60	33.06	0.92	0.00	12.93	10.50	0.41	10.09	0.96
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	19	11.50	33.11	1.02	0.00	13.42	12.32	0.49	11.83	0.68
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	29	11.60	33.20	0.98	0.00	12.01	11.59	0.40	11.19	0.54
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	40	11.40	33.23	1.08	0.00	13.20	13.17	0.40	12.77	0.39
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	50	11.40	33.25	1.11	0.00	13.52	13.48	0.37	13.11	0.42
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	61	10.50	33.38	1.47	0.00	21.65	18.52	0.24	18.28	0.29
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	72	10.40	33.41		0.00	22.83	19.61	0.20	19.41	0.28

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	75	10.30	33.43		0.00	22.98	19.74	0.21	19.53	0.29
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	0	12.00	32.87	0.69	0.00	8.15	6.30	0.30	6.00	1.14
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	10	12.00	32.88	0.70	0.00	8.21	6.43	0.30	6.13	1.19
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	20	11.80	32.94	0.84	0.00	11.39	8.80	0.37	8.43	1.16
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	25	11.70	32.95	0.88	0.00	11.80	9.12	0.37	8.75	0.99
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	30	11.70	32.95	0.90	0.00	12.04	9.69	0.39	9.30	0.93
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	40	11.60	33.08	1.05	0.09	13.83	12.00	0.44	11.56	0.57
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	50	10.70	33.42	1.50	0.00	20.14	19.04	0.04	19.00	0.21
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	60	10.20	33.47	1.61	0.00	21.59	20.42	0.03	20.39	0.17
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	70	10.10	33.52	1.67	0.00	23.03	21.67	0.04	21.63	0.14
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	100	9.60	33.67	1.82	0.00	26.22	23.92	0.05	23.87	0.11
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	150	8.80	33.79	2.13	0.00	35.30	28.41	0.14	28.27	0.06
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	0	12.50	32.38	0.37	0.00	4.36	1.75	0.09	1.66	0.53
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	10	12.30	32.43	0.42	0.00	5.28	2.68	0.13	2.55	0.54
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	20		32.70	0.61	0.00	7.77	5.58	0.27	5.31	0.54
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	25	12.00	32.74	0.65	0.00	7.99	6.10	0.29	5.81	0.50
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	30	12.00	32.81	0.69	0.00	8.73	6.85	0.31	6.54	0.47
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	40	11.40	33.13	0.99	0.00	12.63	11.72	0.31	11.41	0.39
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	50	10.90	33.38	1.36	0.00	18.11	17.34	0.05	17.29	0.22
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	70	10.40	33.46	1.57	0.00	21.83	20.64	0.02	20.62	0.13
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	100	9.50	33.67	1.78	0.00	27.48	23.82	0.01	23.81	0.07
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	335	6.10	34.03	2.74	0.00	60.42	37.02		37.02	0.01
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	0	13.40	32.39	0.26	0.00	1.83	0.02	0.01	0.01	0.50
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	10	13.40	32.39	0.26	0.00	1.89	0.02	0.02	0.00	0.51
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	20	13.30	32.39	0.27	0.00	1.96	0.31	0.02	0.29	0.51
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	30	13.20	32.39	0.28	0.00	2.19	0.36	0.02	0.34	0.50
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	35	13.20	32.39	0.28	0.00	2.43	0.42	0.03	0.39	0.52
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	40	12.90	32.46	0.41	0.00	4.24	2.28	0.11	2.17	0.42
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	50	11.00	32.87	1.24	0.00	17.09	15.02	0.13	14.89	0.33
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	70	9.80	33.46	1.63	0.00	23.63	21.62	0.01	21.61	0.14
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	100	9.20	33.63	1.82	0.00	28.07	24.92	0.00	24.92	0.04
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	150	8.60	33.90	2.01	0.00	34.09	27.82	0.00	27.82	0.02
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	1005	3.60	34.42	3.34		124.31	44.74		44.74	0.01
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	0	13.40	32.39	0.26	0.00	1.46	0.00	0.01	0.00	0.54
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	10	13.40	32.39	0.24	0.00	1.52	0.00	0.01	0.00	0.53
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	20	13.40	32.39	0.25	0.00	1.58	0.00	0.01	0.00	0.52
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	30	13.30	32.39	0.26	0.00	1.64	0.02	0.01	0.01	0.54
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	35	13.30	32.39	0.26	0.00	1.70	0.02	0.02	0.00	0.53
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	40	13.10	32.40	0.27	0.00	1.94	0.36	0.02	0.34	0.50
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	50	10.80	32.55	0.52	0.00	2.35	3.84	0.08	3.76	0.31
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	70	10.00	32.86	0.92	0.00	9.07	9.81	0.01	9.80	0.16
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	100	9.40	33.47	1.56	0.00	22.79	21.51	0.00	21.51	0.04
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	1006	3.60	34.42	3.34	0.00	117.03	45.00	0.00	45.00	0.01
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	0	12.20	32.61	0.62	0.00	9.13	4.47	0.19	4.28	1.83
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	5	12.20	32.62	0.62	0.00	9.15	4.59	0.20	4.39	1.91
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	10	12.10	32.69	0.66	0.00	9.35	5.22	0.23	4.99	2.00
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	15	12.20	32.86	0.69	0.00	9.54	5.51	0.24	5.27	1.73
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	20	12.10	32.82	0.68	0.00	9.04	5.57	0.24	5.33	1.57
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	25	12.10	32.83	0.70	0.00	8.89	5.68	0.27	5.41	1.15
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	30	12.10	33.00	0.85	0.26	11.70	7.34	0.38	6.96	0.86
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	34	12.00	33.05	0.93	0.45	13.46	8.20	0.42	7.78	0.88

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	0	12.20	32.84	0.49	0.00	5.58	2.50	0.16	2.34	1.09
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	5	12.20	32.87	0.52	0.00	6.47	3.13	0.18	2.95	1.15
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	10	12.20	32.89	0.62	0.00	8.06	4.56	0.24	4.32	1.08
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	15	12.10	32.94	0.69	0.00	8.43	5.70	0.28	5.42	1.01
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	20	12.10	32.96	0.70	0.00	9.32	5.88	0.29	5.59	1.00
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	30	11.90	32.98	0.71	0.00	8.82	6.22	0.32	5.90	0.83
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	40	11.90	32.99	0.74	0.00	10.06	6.74	0.34	6.40	0.73
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	49	11.60	33.02	0.83	0.00	10.26	8.00	0.33	7.67	0.54
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	60	11.10	33.06	0.70	0.00	8.37	6.00	0.28	5.72	1.03
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	70	11.10	33.20	1.30	0.00	17.79	15.89	0.18	15.71	0.25
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	99	9.90	33.56	1.65	0.00	26.00	21.20	0.10	21.10	0.15
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	0	12.20	32.75	0.49	0.22	3.04	2.76	0.10	2.66	0.75
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	10	12.20	32.76	0.51	0.16	3.23	2.75	0.10	2.65	0.83
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	15	12.20	32.77	0.51	0.21	3.42	2.94	0.10	2.84	0.88
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	20	12.20	32.81	0.54	0.20	3.92	3.42	0.13	3.29	0.96
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	30	11.90	32.86	0.63	0.27	4.42	4.56	0.19	4.37	0.67
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	40	11.90	33.00	0.71	0.15	6.49	5.99	0.26	5.73	0.51
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	50	11.30	33.21	0.94	0.09	9.81	9.61	0.32	9.29	0.41
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	70	10.40	33.42	1.50	0.00	17.52	18.58	0.00	18.58	0.14
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	100	9.50	33.66	2.21	0.00	25.86	23.63	0.00	23.63	0.10
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	150	8.60	33.87	2.07	0.04	32.94	27.26	0.00	27.26	0.05
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	450	5.70	34.10	2.98	0.00	73.03	39.59	0.00	39.59	0.02
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	0	12.30		0.56	0.12	4.58	3.65	0.09	3.56	1.21
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	10	12.30	32.85	0.54	0.13	4.48	3.74	0.10	3.64	1.21
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	20	12.20	32.87	0.68	0.31	6.27	5.73	0.15	5.58	1.19
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	40	11.40	33.16	1.05	0.39	11.82	11.07	0.29	10.78	0.74
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	50	11.20	33.21	1.15	0.36	13.57	12.98	0.37	12.61	0.49
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	70	10.50	33.39	1.50	0.15	20.65	17.84	0.53	17.31	0.32
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	100	10.20	33.51	1.61	0.06	22.10	20.03	0.19	19.84	0.21
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	150	8.50	33.85	2.08	0.01	32.00	27.85	0.00	27.85	0.02
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	350	6.30	34.05	2.68	0.00	61.07	36.13	0.00	36.13	0.01
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	500	5.10	34.15	3.14	0.00	86.22	41.90	0.00	41.90	0.01
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	0	12.40	32.77	0.44	0.01	4.56	2.12	0.08	2.04	1.13
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	10	12.40	32.77	0.52	0.00	6.29	3.17	0.14	3.03	0.94
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	20	12.00	32.90	0.84	0.00	9.28	8.07	0.40	7.67	0.67
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	30	11.50	33.16	0.96	0.33	11.63	9.79	0.29	9.50	0.65
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	40	11.30	33.20	1.05	0.38	13.36	11.03	0.28	10.75	0.47
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	50	10.90	33.29	1.20	0.22	15.41	13.72	0.31	13.41	0.34
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	70	9.90	33.52	1.61	0.00	23.43	20.44	0.04	20.40	0.20
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	100	9.00	33.81	2.01	0.00	31.13	26.78	0.00	26.78	0.03
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	150	8.50	33.93	2.16	0.26	35.70	28.99	0.00	28.99	0.02
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	830	4.00	34.36	3.35	0.00	115.86	44.47	0.00	44.47	0.01
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	0	12.60	32.81	0.50	0.00	2.05	1.64	0.12	1.52	0.93
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	10	12.60	32.81	0.48	0.03	2.36	1.75	0.11	1.64	0.93
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	20	12.60	32.88	0.51	0.11	2.67	2.14	0.13	2.01	0.87
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	29	12.20	33.11	0.64	0.02	3.92	4.27	0.20	4.07	0.68
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	40	11.00	33.24	1.07	0.00	9.91	11.24	0.06	11.18	0.31
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	50	10.30	33.38	1.28	0.00	13.06	14.73	0.00	14.73	0.17
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	70	9.80	33.53	1.65	0.09	26.94	20.92	0.00	20.92	0.08
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	100	9.20	33.80	1.83	0.13	26.30	23.83	0.00	23.83	0.03
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	150	8.20	33.96	2.03	0.01	33.56	27.70	0.00	27.70	0.01

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	860	4.00	34.39	3.32	0.00	115.62	44.90	0.00	44.90	0.01
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	994	3.70	34.42	3.32	0.00	119.63	44.74	0.00	44.74	0.01
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	0	11.80	32.95	0.78	0.11	6.46	6.39	0.15	6.24	1.89
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	5	11.80	32.95	0.84	0.19	6.99	6.77	0.16	6.61	1.71
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	10	11.70	33.03	0.85	0.26	7.52	7.43	0.19	7.24	1.55
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	15	11.60	33.10	0.89	0.37	8.37	7.99	0.21	7.78	1.31
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	20	11.50	33.15	0.95	0.63	9.21	8.94	0.22	8.72	1.10
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	25	11.40	33.16	0.94	0.44	9.75	9.03	0.21	8.82	1.06
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	30	11.20	33.19	1.03	0.45	10.91	10.16	0.24	9.92	0.84
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	40	11.00	33.27	1.16	0.47	13.32	12.16	0.25	11.91	0.66
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	50	10.60	33.34	1.32	0.26	16.36	14.92	0.25	14.67	0.41
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	55	10.40	33.39	1.32	0.28	16.89	15.01	0.24	14.77	0.43
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	0	12.10	32.96	0.63	0.06	7.78	4.59	0.17	4.42	1.34
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	5	12.10	32.96	0.65	0.02	7.52	4.88	0.18	4.70	1.38
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	10	12.00	32.97	0.68	0.00	7.79	5.17	0.20	4.97	1.36
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	20	12.00	33.03	0.73	0.00	8.23	6.02	0.23	5.79	1.27
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	30	11.60	33.13	0.93	0.00	11.63	9.91	0.33	9.58	0.55
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	40	11.00	33.23	1.08	0.00	14.33	12.31	0.32	11.99	0.34
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	50	10.80	33.30	1.24	0.01	18.25	14.54	0.33	14.21	0.34
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	60	10.00	33.49	1.50	0.11	23.92	18.71	0.24	18.47	0.31
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	70	9.70	33.55	1.62	0.00	25.93	20.99	0.20	20.79	0.23
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	85	9.10	33.70	2.01	0.00	30.90	24.54	0.13	24.41	0.09
W9811A	11/20/98	2:48	36	EU-02	40.87	-124.37	106	8.50	33.86	1.95	0.00	36.21	27.28	0.05	27.23	0.05
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	0	12.20	32.88	0.58	0.00	6.17	3.95	0.15	3.80	1.35
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	10	12.20	32.87	0.60	0.00	6.26	3.95	0.15	3.80	1.40
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	15	12.20	32.89	0.61	0.00	6.52	4.35	0.17	4.18	1.41
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	20	12.20	32.96	0.70	0.12	7.31	5.44	0.22	5.22	0.91
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	30	12.00	33.05	0.79	0.13	8.97	7.15	0.26	6.89	0.64
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	40	11.80	33.12	0.92	0.00	10.80	9.44	0.30	9.14	0.38
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	50	11.30	33.17	1.01	0.00	12.29	10.93	0.32	10.61	0.35
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	70	10.30	33.35	1.41	0.00	19.87	18.12	0.07	18.05	0.16
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	100	9.40	33.68	1.73	0.00	28.32	23.38	0.04	23.34	0.13
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	150	8.70	33.81	1.83	0.00	31.90	25.44	0.06	25.38	0.07
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	350	5.80	34.10	2.92	0.00	76.80	38.97	0.00	38.97	0.02
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	0	12.40	32.93	0.56	0.05	5.66	4.76	0.01	4.75	1.43
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	10	12.30	32.95	0.60	0.05	5.82	5.05	0.15	4.90	1.41
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	15	12.30	32.98	0.62	0.06	6.60	5.72	0.16	5.56	1.29
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	20	12.20	33.04	0.74	0.16	8.02	6.19	0.21	5.98	0.87
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	30	11.70	33.14	0.94	0.27	11.63	9.36	0.27	9.09	0.52
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	40	11.20	33.20	1.11	0.20	13.36	12.04	0.28	11.76	0.29
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	50	10.70	33.26	1.36	0.01	16.98	16.36	0.16	16.20	0.15
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	70	9.80	33.41	1.56	0.00	21.54	19.53	0.10	19.43	0.11
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	100	9.20	33.73	1.94	0.00	30.82	25.29	0.04	25.25	0.07
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	150	8.70	33.86	2.04	0.00	34.75	27.21	0.04	27.17	0.03
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	500	5.40	34.14	3.08	0.00	81.41	41.45		41.45	0.01
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	0	12.20	32.86	0.52	0.00	3.45	3.36	0.32	3.04	2.20
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	20	11.90	32.98	0.84	0.35	7.23	8.29	0.49	7.80	1.05
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	30	11.20	33.21	1.05	0.06	10.06	11.68	0.55	11.13	0.64
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	40	10.80	33.32	1.30	0.00	15.11	15.85	0.38	15.47	0.40
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	50	10.00	33.49	1.50	0.00	18.25	18.95	0.22	18.73	0.19
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	70	9.40	33.62	1.65	0.00	22.67	21.66	0.00	21.66	0.10

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	100	8.70	33.83	1.97	0.00	30.23	26.89	0.00	26.89	0.03
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	150	8.00	33.97	2.11	0.00	36.54	28.93	0.00	28.93	0.01
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	886	4.00	34.38	3.35	0.00	119.24	45.09	0.00	45.09	0.01
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	1000	3.70	34.43	3.33	0.00	118.85	45.18	0.00	45.18	0.01
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	0	9.30	32.51	0.88	0.07	9.64	8.31	0.57	7.73	0.70
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	5	9.30	32.52	0.88	0.08	8.75	8.59	0.25	8.34	0.71
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	10	9.30	32.52	0.88	0.09	8.82	8.69	0.25	8.44	0.73
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	15	9.20	32.56	0.90	0.17	8.90	8.79	0.25	8.54	0.74
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	20	9.20	32.56	0.89	0.21	8.97	8.69	0.25	8.44	0.70
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	25	9.30	32.57	0.88	0.17	9.04	8.70	0.25	8.45	0.72
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	30	9.30	32.59	0.89	0.13	9.11	8.70	0.25	8.45	0.69
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	40	9.30	32.61	0.89	0.22	9.19	8.80	0.22	8.58	0.72
W9902A	02/18/99	2:20	3	NH-05	44.65	-124.18	50	9.30	32.61	0.95	0.30	9.90	9.00	0.26	8.74	1.21
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	0	9.30	32.65	0.86	0.08	8.51	8.86	0.22	8.64	0.54
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	5	9.30	32.65	0.85	0.09	8.54	8.75	0.22	8.53	0.54
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	10	9.20	32.65	0.87	0.29	8.57	8.74	0.22	8.52	0.54
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	20	9.20	32.65	0.89	0.09	8.59	8.73	0.22	8.51	0.54
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	30	9.20	32.65	0.87	0.18	8.62	8.83	0.23	8.59	0.61
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	40	9.20	32.65	0.85	0.09	8.32	8.82	0.22	8.60	0.67
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	50	9.20	32.66	0.84	0.11	8.35	8.81	0.23	8.58	0.74
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	60	9.30	32.68	0.88	0.65	8.38	8.70	0.23	8.47	0.86
W9902A	02/17/99	23:26	1	NH-10	44.65	-124.3	70	9.30	32.70	0.88	0.04	8.40	8.69	0.22	8.47	0.94
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	0	9.30	32.73	0.88	0.23	10.17	8.64	0.25	8.38	0.70
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	5	9.30	32.73	0.87	0.00	10.12	8.54	0.25	8.29	0.78
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	10	9.30	32.73	0.91	0.43	10.39	8.54	0.26	8.29	0.71
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	20	9.30	32.74	0.87	0.00	10.34	8.45	0.25	8.20	0.72
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	30	9.30	32.75	0.87	0.14	10.61	8.55	0.25	8.30	0.70
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	40	9.30	32.75	0.88	0.00	10.88	8.55	0.26	8.29	0.70
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	50	9.30	32.75	0.88	0.03	10.20	8.55	0.26	8.29	0.67
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	60	9.30	32.76	0.89	0.00	10.47	8.65	0.26	8.39	0.64
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	70	9.30	32.76	0.88	0.11	10.74	8.75	0.26	8.49	0.69
W9902A	02/18/99	3:59	4	NH-15	44.65	-124.41	83	9.30	32.76	0.89	0.00	10.38	8.75	0.27	8.49	0.70
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	0	9.30	32.72	0.91	0.11	9.70	9.21	0.31	8.90	0.60
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	10	9.30	32.72	0.91	0.07	9.69	9.22	0.32	8.90	0.63
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	20	9.30	32.72	0.92	0.09	10.00	9.23	0.29	8.94	0.61
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	30	9.30	32.72	0.92	0.09	9.99	9.33	0.31	9.02	0.62
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	40	9.30	32.72	0.92	0.07	9.98	9.34	0.44	8.90	0.67
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	50	9.30	32.73	0.92	0.04	10.29	9.35	0.51	8.84	0.63
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	70	9.30	32.75	0.93	0.00	10.28	9.55	0.45	9.10	0.53
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	100	9.30	33.12	1.30	0.00	16.90	15.26	0.35	14.91	0.23
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	150	8.60	33.75	2.02	0.01	31.50	26.58	0.00	26.58	0.06
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	199	7.70	33.95	2.22	0.00	39.61	30.21	0.00	30.21	0.03
W9902A	02/18/99	6:35	6	NH-25	44.65	-124.65	286	6.60	34.00	2.49	0.00	55.10	34.40	0.00	34.40	0.02
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	0	9.30	32.73	0.75	0.00	7.45	6.60	0.11	6.48	0.61
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	10	9.30	32.73	0.74	0.00	6.46	6.41	0.11	6.30	0.63
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	20	9.30	32.74	0.76	0.00	6.73	6.70	0.12	6.58	0.63
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	30	9.30	32.75	0.77	0.00	6.99	6.70	0.12	6.58	0.62
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	40	9.30	32.75	0.76	0.00	6.95	6.70	0.12	6.58	0.65
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	50	9.30	32.75	0.77	0.03	7.21	6.71	0.13	6.58	0.65
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	70	9.30	32.76	0.83	0.00	8.74	7.67	0.15	7.52	0.50
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	100	9.10	33.45	1.71	0.00	25.68	21.89	0.00	21.89	0.11

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	130	8.90	33.64	1.83	0.00	28.78	24.01	0.00	24.01	0.08
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	150	8.80	33.67	1.93	0.04	28.79	24.77	0.00	24.77	0.08
W9902A	02/18/99	9:08	7	NH-35	44.65	-124.88	430	5.50	34.09	2.98	0.00	77.37	39.66	0.00	39.66	0.01
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	0	10.20	31.84	0.16	0.47	0.00	0.00	0.02	0.00	3.75
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	5	10.20	31.84	0.14	0.33	0.00	0.00	0.00	0.00	4.38
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	10	10.20	31.85	0.32	0.33	0.00	0.00	0.03	0.00	4.19
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	15	10.20	31.90	0.62	0.35	1.27	4.90	0.17	4.73	4.93
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	20	9.60	32.35	1.34	0.23	17.50	15.82	0.26	15.56	0.98
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	25	8.70	33.13	1.36	0.65	18.60	16.29	0.17	16.12	0.65
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	30	8.70	33.21	1.28	0.64	15.40	15.19	0.05	15.14	0.30
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	40	8.30	33.50	1.77	0.86	28.28	23.15	0.09	23.06	0.25
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	50	8.10	33.72	2.05	0.13	34.48	27.40	0.09	27.32	0.33
W9904B	04/19/99	22:25	3	NH-05	44.65	-124.18	56	8.10	33.74	2.07	0.64	34.94	27.54	0.10	27.44	0.44
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	0	10.10	31.70	0.39	0.36	2.10	2.27	0.04	2.24	1.77
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	5	10.10	31.71	0.39	0.37	1.96	2.35	0.04	2.30	1.60
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	10	9.80	31.94	0.43	0.37	2.63	2.76	0.06	2.71	1.42
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	15	9.50	32.20	0.52	0.34	2.68	3.31	0.06	3.26	1.64
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	20	9.20	32.56	0.50	0.36	3.15	3.59	0.06	3.53	1.71
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	30	9.10	32.74	0.76	0.44	6.08	7.03	0.25	6.79	0.92
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	40	8.90	32.77	0.80	0.35	6.55	7.24	0.22	7.02	0.37
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	50	8.90	32.78	0.72	1.09	6.40	7.11	0.17	6.94	0.31
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	60	8.90	32.84	0.91	0.34	9.54	9.24	0.15	9.09	0.17
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	70	8.90	32.90	0.99	0.33	11.65	10.48	0.12	10.36	0.17
W9904B	04/20/99	1:57	5	NH-15	44.65	-124.41	85	8.80	33.03	1.19	0.27	15.00	13.65	0.10	13.55	0.18
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	0	10.00	32.05	0.68	0.33	0.47	1.73	0.04	1.69	1.30
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	10	9.90	32.25	0.46	0.29	2.57	3.09	0.06	3.03	1.44
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	20	9.40	32.46	0.58	0.30	4.66	4.94	0.11	4.83	1.53
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	25	9.10	32.54	0.65	0.36	6.55	5.90	0.14	5.76	2.00
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	30	9.00	32.62	0.73	0.27	6.98	7.13	0.22	6.91	1.65
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	40	9.00	32.71	0.78	0.40	6.79	7.40	0.24	7.16	0.50
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	50	9.00	32.75	0.81	0.43	7.02	7.68	0.23	7.45	0.33
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	70	8.90	32.77	0.84	0.42	7.86	8.08	0.25	7.83	0.24
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	100	8.80	33.12	1.33	0.44	18.08	16.65	0.06	16.59	0.14
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	150	8.00	33.88	2.12	0.05	34.05	29.01	0.00	29.01	0.04
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	200	7.00	33.99	2.39	0.00	46.83	33.11	0.00	33.11	0.04
W9904B	04/20/99	5:03	7	NH-25	44.65	-124.65	260	6.50	34.02	2.57	0.00	56.41	35.43	0.00	35.43	0.03
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	0	9.80	32.64	0.51	0.45	4.71	3.56	0.09	3.47	1.51
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	10	9.70	32.64	0.51	0.38	4.61	3.49	0.09	3.41	1.56
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	15	9.60	32.64	0.52	0.00	4.77	3.65	0.09	3.55	1.52
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	20	9.40	32.69	0.57	0.32	4.80	4.38	0.15	4.23	1.28
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	30	9.40	32.70	0.62	0.12	5.23	4.97	0.16	4.81	0.90
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	40	9.30	32.71	1.02	1.22	7.09	7.22	0.35	6.87	0.53
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	50	9.10	32.78	0.89	0.00	8.43	9.11	0.09	9.02	0.22
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	70	8.90	32.99	1.13	0.00	12.77	12.60	0.01	12.58	0.11
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	100	8.50	33.47	1.80	0.00	27.04	22.67	0.00	22.67	0.07
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	150	7.60	33.93	2.23	0.05	39.24	31.51	0.00	31.51	0.03
W9904B	04/20/99	7:36	8	NH-35	44.65	-124.88	425	5.30	34.13	3.11	0.00	79.89	40.56	0.00	40.56	0.05
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	0	9.60	32.76	0.61	0.36	5.58	3.80	0.04	3.76	0.85
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	10	9.60	32.76	0.58	0.02	5.44	3.74	0.03	3.71	0.86
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	15	9.60	32.76	0.61	1.05	5.45	3.68	0.05	3.63	0.87
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	20	9.60	32.76	0.58	0.02	6.10	3.62	0.03	3.58	0.86

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	25	9.40	32.76	0.59	0.05	5.64	3.70	0.03	3.66	0.80
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	30	9.10	32.77	0.62	0.10	5.66	4.06	0.04	4.02	0.59
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	40	9.00	32.78	0.64	0.16	6.30	4.41	0.05	4.36	0.65
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	50	8.90	32.79	0.66	0.12	5.37	4.77	0.07	4.71	0.59
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	70	8.80	32.79	0.72	0.19	5.86	5.49	0.10	5.39	0.31
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	100	8.70	33.35	1.54	0.00	19.55	18.90	0.00	18.90	0.08
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	150	7.80	33.89	2.12	0.94	33.92	30.10	0.00	30.10	0.02
W9904B	04/20/99	9:22	9	NH-45	44.65	-125.12	688	4.40	34.29	3.24	0.00		44.72	0.00	44.72	
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	0	9.40	32.81	0.54	0.00	3.14	3.70	0.08	3.62	0.53
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	10	9.40	32.81	0.54	0.00	3.30	3.71	0.09	3.62	0.53
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	20	9.40	32.81	0.55	0.01	3.33	3.72	0.08	3.64	0.46
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	30	9.20	32.80	0.59	0.14	3.50	3.87	0.09	3.79	0.43
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	40	8.90	32.80	0.57	0.00	3.53	3.95	0.08	3.88	0.42
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	50	8.90	32.80	0.57	0.03	3.56	4.18	0.08	4.10	0.41
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	70	8.80	32.81	0.54	0.04	3.07	3.90	0.08	3.82	0.36
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	100	8.70	32.85	0.70	0.13	4.67	6.01	0.15	5.86	0.19
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	150	7.90	33.78	2.01	0.07	31.88	28.44	0.00	28.44	0.02
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	465	5.20	34.10	2.97	0.00	79.54	41.62	0.00	41.62	0.00
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	830	4.10	34.36	3.31	0.00	113.50	45.45	0.00	45.45	
W9904B	04/20/99	14:20	11	NH-65	44.65	-125.6	1004	3.60	34.43	3.31	0.00	128.35	45.85	0.00	45.85	
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	0	9.50	32.78	0.66	0.31	4.88	5.06	0.08	4.98	0.46
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	10	9.40	32.78	0.66	0.24	4.94	5.06	0.09	4.98	0.49
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	20	9.40	32.78	0.65	0.25	5.00	5.07	0.09	4.98	0.44
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	30	9.00	32.79	0.66	0.46	5.46	5.48	0.09	5.39	0.39
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	40	8.90	32.79	0.67	0.31	5.31	5.49	0.09	5.40	0.42
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	50	8.80	32.79	0.66	0.28	4.75	5.56	0.09	5.47	0.44
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	60	8.80	32.79	0.69	0.62	4.81	5.77	0.11	5.66	0.43
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	70	8.80	32.80	0.71	0.45	5.28	5.98	0.12	5.86	0.33
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	100	8.50	33.41	1.59	0.41	21.36	20.96	0.00	20.96	0.07
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	150	7.60	33.88	2.08	0.21	34.66	29.72	0.00	29.72	0.02
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	970	3.50	34.43	3.27	0.00		45.58	0.00	45.58	
W9904B	04/20/99	18:34	12	NH-85	44.65	-126.05	1000	3.40	34.44	3.29	0.00		45.57	0.00	45.57	
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	0	10.00	32.19	0.36	0.37	0.00	1.05	0.11	0.95	1.13
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	5	9.90	32.24	0.40	0.23	0.00	1.35	0.12	1.22	2.17
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	8	9.60	32.38	0.62	0.41	0.00	4.24	0.23	4.01	2.87
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	10	9.30	32.48	0.63	0.44	0.00	4.90	0.25	4.64	2.07
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	15	9.20	32.55	0.71	0.60	1.88	6.20	0.29	5.91	1.74
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	20	9.10	32.66	0.85	0.68	6.61	8.09	0.31	7.77	0.90
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	25	9.00	32.81	0.91	0.37	7.94	9.03	0.33	8.70	0.70
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	30	8.90	33.00	1.23	0.21	14.37	13.52	0.26	13.26	0.46
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	40	8.50	33.33	1.67	0.33	25.50	20.62	0.22	20.40	0.35
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	50	7.80	33.74	2.11	0.68	37.81	27.58	0.18	27.40	0.13
W9904B	04/21/99	15:10	19	FM-03	43.22	-124.5	55	7.80	33.76	2.18	0.32	38.50	27.95	0.18	27.77	0.12
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	0	10.23	32.20	0.37	0.29	0.00	1.20	0.03	1.17	2.03
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	5	10.09	32.32	0.36	0.27	0.00	1.61	0.02	1.59	2.08
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	10	9.97	32.46	0.33	0.40	0.00	1.74	0.02	1.72	2.02
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	15	9.50	32.55	0.61	0.39	2.22	5.16	0.16	5.00	1.34
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	20	9.29	32.65	0.65	0.40	4.31	6.19	0.25	5.94	0.79
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	30	8.99	32.84	0.93	0.33	9.74	10.09	0.31	9.78	0.30
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	40	8.65	33.30	1.44	0.26	20.79	18.52	0.09	18.43	0.13
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	50	8.53	33.44	1.62	0.27	25.39	21.39	0.07	21.32	0.11
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	60	8.43	33.47	1.68	0.28	27.28	22.35	0.09	22.26	0.12

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	70	7.90	33.72	2.01	0.29	37.49	27.90	0.17	27.73	0.11
W9904B	04/21/99	13:45	18	FM-04	43.22	-124.58	80	7.67	33.85	2.18	0.33	41.46	30.02	0.19	29.83	0.10
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	0	10.30	32.41	0.38	0.43	0.21	1.38	0.02	1.37	1.16
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	10	10.30	32.41	0.38	0.33	0.23	1.40	0.02	1.38	1.18
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	20	9.80	32.58	0.50	0.20	2.30	3.33	0.02	3.31	1.24
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	25	9.40	32.63	0.61	0.50	3.34	4.44	0.05	4.39	1.18
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	30	9.30	32.64	0.65	0.44	3.56	5.42	0.11	5.30	1.05
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	40	9.10	32.74	0.76	0.30	5.64	7.12	0.28	6.84	0.44
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	50	9.00	32.92	1.04	0.26	10.77	11.54	0.24	11.30	0.21
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	60	8.80	33.23	1.44	0.23	19.42	18.08	0.05	18.03	0.12
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	70	8.60	33.48	1.68	0.26	24.98	22.29	0.02	22.27	0.09
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	100	7.80	33.78	2.07	0.28	37.12	28.07	0.19	27.88	0.11
W9904B	04/21/99	11:47	17	FM-05	43.22	-124.67	150	7.20	33.97	2.08	0.52	39.72	28.43	0.04	28.40	0.06
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	0	10.20	32.47	0.36	0.00	1.49	0.52	0.00	0.52	1.90
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	10	10.20	32.49	0.37	0.18	1.66	0.60	0.00	0.60	1.88
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	20	9.70	32.55	0.57	0.21	4.04	3.48	0.13	3.36	1.42
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	30	9.30	32.60	0.66	0.25	4.68	4.69	0.24	4.44	1.08
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	40	9.20	32.70	0.84	0.73	7.53	7.22	0.35	6.87	0.46
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	50	9.00	32.93	1.10	0.17	12.57	12.01	0.09	11.91	0.21
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	70	8.70	33.55	1.77	0.54	25.16				0.06
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	100	8.20	33.81	1.99	0.33	31.46	27.61	0.00	27.61	0.04
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	150	7.50	33.97	2.15	1.23	39.02	30.94	0.00	30.94	0.03
W9904B	04/21/99	8:31	15	FM-07	43.22	-124.83	338	5.90	34.07	2.60	0.00	67.56	38.62	0.00	38.62	0.02
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	0	10.40	32.46	0.53	0.74	1.70	2.38	0.04	2.34	0.93
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	10	10.40	32.47	0.44	1.32	1.51	2.39	0.03	2.36	0.91
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	20	9.50	32.67	0.54	0.28	4.20	3.37	0.03	3.34	1.35
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	26	9.50	32.70	0.54	0.32	4.01	3.38	0.02	3.36	1.43
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	30	9.40	32.70	0.55	0.35	4.23	3.46	0.02	3.44	1.44
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	40	9.30	32.72	0.61	0.37	4.25	4.57	0.08	4.49	0.84
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	50	9.20	32.74	0.67	0.40	4.68	5.34	0.12	5.21	0.70
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	70	9.00	33.02	1.03	0.40	10.45	11.19	0.11	11.08	0.16
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	100	8.30	33.81	1.95	0.27	30.39	26.73	0.00	26.73	0.04
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	150	7.20	33.98		0.05	41.47	31.54	0.00	31.54	0.03
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	840	4.10	34.34		0.00		44.92	0.00	44.92	
W9904B	04/21/99	5:05	14	FM-08	43.22	-125.	1000	3.80	34.42		0.00		44.97	0.00	44.97	
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	0	10.20	32.63	0.53	0.08	5.98	3.49	0.03	3.46	1.02
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	10	10.20	32.63	0.54	0.30	5.37	3.43	0.04	3.39	0.97
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	15	9.90	32.63	0.53	0.56	5.81	3.65	0.03	3.62	1.05
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	20	9.70	32.65	0.55	0.41	6.04	4.01	0.03	3.98	1.20
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	30	9.20	32.70	0.66	0.50	6.47	5.80	0.12	5.68	1.08
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	40	9.20	32.74	0.68	0.36	6.70	5.54	0.09	5.45	0.91
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	50	9.10	32.76	0.67	0.39	6.92	5.83	0.09	5.74	0.80
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	70	8.90	32.77	0.65	0.38	5.90	5.64	0.09	5.55	0.44
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	150	8.00	33.90	2.06	0.07	33.08	28.74	0.00	28.74	0.02
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	970	3.70	34.42	3.26	0.00		44.67	0.00	44.67	
W9904B	04/21/99	2:57	13	FM-09	43.22	-125.17	1000	3.60	34.43	3.27	0.00		44.94	0.00	44.94	
W9904B	04/21/99	23:50	21	CR-01	41.90	-124.3	0	9.40	33.10	1.46	0.07	27.59	18.23	0.15	18.08	1.21
W9904B	04/21/99	23:50	21	CR-01	41.90	-124.3	5	9.30	33.12	1.47	0.29	27.13	18.46	0.16	18.31	0.94
W9904B	04/21/99	23:50	21	CR-01	41.90	-124.3	10	9.20	33.16	1.62	0.29	28.78	20.57	0.13	20.44	0.95
W9904B	04/21/99	23:50	21	CR-01	41.90	-124.3	20	8.40	33.62	1.85	0.34	32.68	24.02	0.12	23.89	0.45
W9904B	04/21/99	23:50	21	CR-01	41.90	-124.3	30	8.00	33.75	1.94	0.10	37.34	25.45	0.17	25.28	0.28

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	0	10.00	32.64	0.84	0.47	11.80	9.29	0.11	9.18	1.66
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	5	10.00	32.64	0.81	0.35	10.15	8.68	0.11	8.57	1.69
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	10	9.80	32.65	0.82	0.35	9.34	8.56	0.14	8.42	1.72
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	20	9.50	32.71	0.80	0.31	8.32	8.43	0.16	8.27	1.81
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	25	9.50	32.73	0.83	0.30	8.54	8.65	0.20	8.45	1.55
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	30	9.10	32.89	0.96	0.31	12.10	10.45	0.34	10.11	0.80
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	40	9.00	33.18		0.28	16.70	15.46	0.18	15.28	0.35
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	50	8.80	33.37	1.37	0.82	20.88	18.97	0.10	18.87	0.19
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	60	8.60	33.52	1.69	0.27	26.52	22.89	0.08	22.81	0.20
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	70	8.30	33.71	1.91	0.27	32.16	26.39	0.03	26.36	0.11
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	100	7.60	33.94	2.11	0.26	39.67	29.83	0.03	29.80	0.04
W9904B	04/22/99	2:18	23	CR-03	41.90	-124.5	110	7.50	33.95	2.20	0.26	43.02	31.01	0.05	30.96	0.04
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	0	10.00	32.48	0.33	0.11	1.23	1.55	0.02	1.53	2.33
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	10	9.80	32.51	0.35	0.09	0.21	1.62	0.02	1.61	2.33
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	20	9.60	32.54	0.42	0.11	0.90	2.78	0.03	2.75	2.23
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	25	9.60	32.54	0.45	0.15	1.19	3.36	0.04	3.33	2.21
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	30	9.50	32.59	0.49	0.18	1.35	3.58	0.06	3.52	1.93
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	40	9.30	32.70	0.65	0.50	3.86	5.46	0.21	5.25	1.05
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	50	9.10	32.88	0.73	0.37	5.06	6.26	0.27	5.99	0.70
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	70	8.80	33.37	1.52	0.00	19.72	18.93	0.06	18.87	0.14
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	100	8.20	33.79	2.00	0.03	30.46	26.68	0.00	26.68	0.06
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	150	7.50	33.96	2.14	0.33	36.96	30.13	0.00	30.13	0.03
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	360	5.90	34.06	2.66	0.00	63.86	36.65	0.00	36.65	0.02
W9904B	04/22/99	3:55	24	CR-04	41.90	-124.6	450	5.40	34.12							
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	0	10.10	32.52	0.37	0.34	3.55	0.49	0.00	0.49	3.28
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	10	10.10	32.52	0.36	0.15	0.89	0.51	0.00	0.51	3.23
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	20	10.10	32.52	0.39	0.18	1.22	0.95	0.00	0.95	3.01
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	25	9.80	32.57	0.47	0.27	2.50	1.95	0.01	1.94	2.10
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	30	9.60	32.63	0.57	0.47	3.14	3.73	0.09	3.63	0.91
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	40	9.60	32.67	0.61	0.51	4.10	4.03	0.10	3.92	0.56
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	50	9.30	32.71	0.66	0.59	4.59	4.82	0.14	4.68	0.38
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	70	9.30	32.84	0.68	0.28	4.45	5.96	0.12	5.84	0.27
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	100	8.80	33.61	1.68	0.09	23.64	22.40	0.00	22.40	0.08
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	150	8.10	33.87	2.03	0.15	31.90	28.22	0.00	28.22	0.05
W9904B	04/22/99	7:00	25	CR-05	41.90	-124.7	645	4.70	34.27	3.22	0.00	97.50	43.19	0.00	43.19	
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	0	13.20	30.37	0.05	0.02	0.00	0.00	0.00	0.00	3.40
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	5	11.80	31.33	0.82	0.39	7.32	6.61	0.11	6.51	6.19
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	10	9.50	32.38	1.33	0.72	15.20	13.51	0.20	13.31	5.81
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	13	8.90	32.85	1.95	0.75	27.31	23.08	0.30	22.78	3.54
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	15	8.30	33.12	2.21	1.07	34.09	27.10	0.29	26.81	2.53
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	20	7.90	33.63	2.32	0.20	40.39	31.19	0.08	31.12	0.66
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	25	7.60	33.74	2.30	0.01	40.88	31.70	0.01	31.70	0.49
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	30	7.50	33.82	2.34	0.01	41.99	32.21	0.00	32.22	0.36
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	40	7.30	33.90	2.58	0.00	53.32	33.99	0.00	33.99	0.38
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	50	7.20	33.94	2.73	0.01	62.14	34.71	0.00	34.71	0.53
W9907A	07/03/99	20:51	3	NH-05	44.65	-124.18	53	7.20	33.94	2.73	0.01	62.31	34.66	0.00	34.66	0.61
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	0	15.80	24.64	0.00	0.00	27.00	0.00	0.00	0.00	1.29
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	5	14.20	29.80	0.00	0.00	4.76	0.00	0.00	0.00	1.19
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	10	12.00	31.88	0.04	0.00	2.79	0.00	0.00	0.00	1.19
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	18	10.00	32.40	0.54	0.00	7.78	2.12	0.00	2.12	1.42
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	20	10.00	32.49	0.62	0.19	9.15	4.20	0.09	4.11	1.18

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	30	8.70	32.75	0.81	0.61	10.51	7.17	0.32	6.84	0.68
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	34	8.50	32.75	0.84	0.60	10.66	7.70	0.39	7.32	0.56
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	40	8.30	32.80	0.92	0.00	12.17	9.98	0.42	9.56	0.29
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	50	8.10	33.03	1.35	0.00	19.59	16.71	0.01	16.71	0.14
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	60	7.80	33.22	1.95	0.00	31.69	25.32	0.21	25.11	0.16
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	71	8.00	33.50	1.90	0.00	32.15	25.53	0.00	25.53	0.07
W9907A	07/03/99	23:31	5	NH-15	44.65	-124.41	80	7.90	33.61	2.03	0.00	34.87	26.86	0.00	26.86	0.07
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	0	16.20	26.32	0.00	0.00	15.46	0.00	0.00	0.00	0.79
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	10	13.90	31.15	0.04	0.00	5.30	0.00	0.00	0.00	0.88
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	20	10.10	32.23	0.54	0.00	7.99	1.54	0.02	1.52	1.94
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	22	9.60	32.43	0.69	0.00	9.65	3.47	0.06	3.41	2.03
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	30	9.10	32.71	0.81	0.45	13.84	6.01	0.21	5.80	0.97
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	40	8.80	32.77	0.81	0.00	12.50	7.31	0.38	6.94	0.41
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	49	8.50	32.78	0.87	0.00	12.96	8.62	0.36	8.26	0.22
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	70	8.20	33.13	1.42	0.00	22.39	17.55	0.01	17.54	0.08
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	100	8.00	33.77	2.08	0.00	37.64	28.75	0.00	28.75	0.03
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	150	7.20	33.95	2.36	0.00	48.73	33.11	0.00	33.11	0.03
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	160	7.10	33.96	2.39	0.00	50.11	33.34	0.00	33.34	0.03
W9907A	07/04/99	2:33	7	NH-25	44.65	-124.65	200	6.60	33.99	2.54	0.00	56.79	35.31	0.00	35.31	0.03
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	0	16.20	27.48	0.00	0.00	12.33	0.03	0.00	0.03	0.36
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	10	15.80	29.55	0.13	0.00	4.31	0.05	0.00	0.05	0.43
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	20	11.60	32.26	0.37	0.00	5.84	0.00	0.00	0.00	0.67
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	30	9.80	32.64	0.66	0.00	8.64	4.00	0.09	3.91	1.36
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	35	9.40	32.71	0.73	0.00	9.74	5.71	0.22	5.49	1.03
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	40	9.20	32.73	0.89	0.00	10.69	8.50	0.63	7.87	0.76
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	50	8.70	32.75	0.94	0.00	11.93	9.82	0.64	9.18	0.37
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	70	8.40	32.90	1.17	0.00	15.87	13.61	0.03	13.58	0.11
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	100	8.20	33.65	2.00	0.00	33.78	27.34	0.01	27.33	0.04
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	150	7.50	33.92	2.18	0.00	41.24	30.89	0.00	30.89	0.02
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	225	6.60	33.99	2.46	0.00	54.58	34.72	0.00	34.72	0.01
W9907A	07/04/99	5:10	8	NH-35	44.65	-124.88	430	5.60	34.10	2.91	0.00	76.09	39.88	0.00	39.88	0.02
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	0	15.90	27.00	0.00	0.02	7.82	0.00	0.00	0.00	0.44
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	10	15.10	31.21	0.15	0.02	0.00	0.00	0.00	0.00	0.33
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	20	12.60	32.73	0.29	0.01	0.00	0.00	0.00	0.00	0.63
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	30	11.80	32.80	0.38	0.04	0.60	0.06	0.00	0.06	1.32
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	35	11.40	32.79	0.42	0.03	1.55	0.89	0.01	0.88	1.30
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	40	10.60	32.79	0.48	0.05	2.19	1.87	0.05	1.82	1.11
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	50	9.80	32.84	0.64	0.11	3.14	4.66	0.24	4.41	0.71
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	70	8.80	32.82	0.77	0.01	5.01	7.07	0.12	6.95	0.18
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	100	8.70	33.36	1.48	0.01	18.17	18.88	0.00	18.88	0.03
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	150	8.00	33.85	2.03	0.00	36.51	28.16	0.00	28.16	0.01
W9907A	07/04/99	7:31	9	NH-45	44.65	-125.12	870	4.00	34.36	3.29	0.00	114.69	44.59	0.00	44.59	
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	0	15.60	30.73	0.00	0.02	0.00	0.00	0.00	0.00	0.27
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	10	14.90	32.13	0.15	0.02	0.00	0.00	0.00	0.00	0.26
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	20	14.00	32.51	0.23	0.07	0.00	0.00	0.00	0.00	0.35
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	30	13.20	32.72	0.27	0.02	0.00	0.00	0.00	0.00	0.53
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	40	11.20	32.69	0.35	0.06	1.85	0.00	0.00	0.00	1.42
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	44	10.70	32.72	0.48	0.08	3.42	1.30	0.01	1.29	1.37
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	50	10.30	32.77	0.53	0.12	3.45	2.51	0.04	2.47	0.87
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	70	9.30	32.85	0.76	0.12	5.16	6.35	0.19	6.16	0.38
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	99	9.10	33.04	1.04	0.07	9.47	11.62	0.00	11.62	0.09
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	150	8.00	33.82	1.82	0.00	33.26	25.61	0.00	25.61	0.01

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	240	6.60	33.95	2.29	0.00	49.93	32.24	0.00	32.24	0.01
W9907A	07/04/99	12:11	11	NH-65	44.65	-125.6	1005	3.60	34.42	3.29	0.00	126.08	44.33	0.00	44.33	
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	0	15.40	30.22	0.00	0.00	0.00	0.00	0.00	0.00	0.30
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	10	15.10	31.11	0.04	0.00	0.00	0.00	0.00	0.00	0.31
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	20	11.40	32.47	0.28	0.00	0.00	0.00	0.00	0.00	0.55
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	30	10.00	32.73	0.42	0.00	0.07	0.00	0.00	0.00	2.27
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	35	9.60	32.75	0.66	0.13	5.04	3.09	0.15	2.93	2.05
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	40	9.20	32.76	0.71	0.16	7.16	4.53	0.33	4.20	1.07
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	50	8.90	32.79	0.80	0.00	6.14	6.93	0.22	6.71	0.27
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	70	8.50	32.85	0.88	0.00	7.51	8.29	0.08	8.21	0.12
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	100	8.50	33.41	1.63	0.00	21.18	20.98	0.00	20.98	0.03
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	150	7.70	33.85	1.96	0.00	36.07	27.52	0.00	27.52	0.01
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	885	3.80	34.37	3.30	0.00	121.01	44.61	0.00	44.61	
W9907A	07/04/99	15:39	12	NH-85	44.65	-126.05	1005	3.60	34.43	3.27	0.00	131.67	44.18	0.00	44.18	
W9907A	07/09/99	17:00	52	NH-01	44.65	-124.1	1	9.139	33.123							2.21
W9907A	07/09/99	17:00	52	NH-01	44.65	-124.1	5	8.757	33.316							3.99
W9907A	07/09/99	17:00	52	NH-01	44.65	-124.1	9	8.191	33.560							2.73
W9907A	07/09/99	17:00	52	NH-01	44.65	-124.1	15	7.722	33.756							1.57
W9907A	07/09/99	17:00	52	NH-01	44.65	-124.1	20	7.562	33.818							1.49
W9907A	07/09/99	17:00	52	NH-01	44.65	-124.1	21	7.541	33.825							1.43
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	1	8.998	33.030							2.81
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	9.5	7.924	33.614							2.24
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	15	7.806	33.689							2.16
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	20	7.725	33.746							1.11
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	25	7.672	33.783							0.87
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	30	7.563	33.819							0.74
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	40	7.409	33.865							1.00
W9907A	07/09/99	16:24	51	NH-03	44.65	-124.13	43	7.275	33.912							0.95
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	1	9.227	32.532							3.34
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	5	9.004	32.618							2.83
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	10	7.932	33.252							0.80
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	15	7.865	33.445							1.06
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	20	7.859	33.640							0.61
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	25	7.644	33.721							0.62
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	30	7.519	33.797							0.23
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	40	7.384	33.918							0.17
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	50	7.330	33.924							0.18
W9907A	07/09/99	15:39	50	NH-05	44.65	-124.18	52	7.322	33.925							0.21
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	1	11.642	31.069							5.83
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	5	10.946	31.478							2.08
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	10	9.916	31.990							1.15
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	20	8.274	32.739							0.75
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	30	8.000	33.045							0.25
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	41	7.867	33.447							0.09
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	50	7.600	33.705							0.08
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	60	7.551	33.856							0.04
W9907A	07/09/99	14:33	49	NH-10	44.65	-124.3	70	7.455	33.922							0.04
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	1	12.209	30.941							2.05
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	5	12.323	30.870							2.14
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	10	10.597	32.139							1.81
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	19	9.024	32.521							1.00

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	31	8.660	32.734							0.64
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	40	8.206	32.788							0.26
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	50	7.992	33.015							0.18
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	60	8.194	33.272							0.06
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	71	7.826	33.579							0.07
W9907A	07/09/99	13:40	48	NH-15	44.65	-124.41	75	7.799	33.755							0.04
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	1	13.762	30.071							1.64
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	5	13.594	30.361							1.86
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	10	9.763	32.190							2.34
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	20	9.311	32.694							1.13
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	30	8.615	32.743							0.72
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	40	8.339	32.792							0.33
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	50	8.355	32.973							0.15
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	70	8.001	33.332							0.07
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	100	7.486	33.849							0.04
W9907A	07/09/99	12:35	47	NH-20	44.65	-124.53	130	7.189	33.934							0.05
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	1	14.694	29.765							0.96
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	5	14.677	29.792							0.96
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	10	12.882	31.980							1.11
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	20	9.988	32.497							1.83
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	30	8.939	32.717							1.01
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	40	8.632	32.740							0.70
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	50	8.383	32.766							0.36
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	71	8.270	33.130							0.07
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	100	7.884	33.725							0.09
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	149	7.156	33.947							0.02
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	200	6.563	33.996							0.01
W9907A	07/09/99	11:23	46	NH-25	44.65	-124.65	280									0.02
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	0	13.70	32.48	0.13	0.00	2.24	0.00	0.00	0.00	5.64
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	5	13.00	32.58	0.38	0.00	3.26	1.54	0.01	1.52	14.62
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	10	11.20	32.89	1.75	0.85	24.68	20.38	0.41	19.97	10.77
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	15	8.50	33.22	2.09	0.70	32.30	25.74	0.39	25.35	1.31
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	20	8.20	33.46	2.18	0.00	39.07	29.11	0.09	29.02	0.75
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	25	7.90	33.65	2.25	0.00	41.23	30.34	0.05	30.29	0.56
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	30	7.80	33.74	2.24	0.00	43.82	30.89	0.03	30.86	0.41
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	40	7.40	33.87	2.62	0.00	57.34	33.88	0.01	33.87	0.42
W9907A	07/08/99	1:44	37	HH-01	44.00	-124.2	48	7.30	33.90	2.67	0.00	60.88	33.89	0.07	33.81	0.71
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	0	14.10	30.39	0.06	0.00	2.18	0.00	0.00	0.00	2.32
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	5	13.00	30.80	0.22	0.00	4.20	0.71	0.02	0.69	2.58
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	10	8.60	32.62	1.04	0.00	14.12	10.05	0.29	9.76	2.96
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	20	8.10	32.97	1.38	0.22	18.87		0.38		1.58
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	30	8.00	33.60	2.32	0.05	39.43	30.96	0.23	30.73	0.87
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	40	7.70	33.78	2.49	0.00	47.20	33.65	0.07	33.58	0.28
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	50	7.40	33.87	2.56	0.00	51.23	34.26	0.07	34.20	0.39
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	60	7.30	33.90	2.53	0.00	52.96	34.27	0.04	34.23	0.22
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	70	7.40	33.96	2.23	0.00	44.92	32.36	0.05	32.32	0.13
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	100	7.00	33.97	2.45	0.07	51.25	33.75	0.09	33.65	0.10
W9907A	07/08/99	3:03	38	HH-02	44.00	-124.4	116	6.90	33.98	2.75	0.89	62.18	34.59	0.48	34.11	0.13
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	0	14.50	29.69	0.00	0.00	0.00	0.00	0.16	0.00	1.28
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	10	11.10	31.91	0.40	0.00	1.95	0.00	0.19	0.00	4.08
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	15	9.00	32.45	1.03	0.13	8.72	8.83	0.25	8.58	2.96
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	20	8.90	32.95	1.55	0.74	15.35	16.08	0.33	15.75	1.23

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	30	8.00	33.31	2.04	0.00	29.28	26.11	0.19	25.91	0.38
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	40	7.80	33.51	2.18	0.00	34.12	28.67	0.02	28.65	0.19
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	50	7.80	33.67	2.30	0.00	38.36	30.39	0.00	30.39	0.18
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	60	7.70	33.77	2.28	0.00	39.91	30.57	0.00	30.57	0.10
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	70	7.50	33.87	2.37	0.00	42.96	32.06	0.00	32.06	0.08
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	100	7.40	33.96	2.28	0.00	41.23	31.78	0.00	31.78	0.04
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	120	7.10	33.97	2.34	0.00	44.28	32.65	0.00	32.66	0.04
W9907A	07/08/99	4:39	39	HH-03	44.00	-124.6	145	6.90	33.98	2.59	1.32	59.67	33.36	0.32	33.04	0.10
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	0	15.20	29.28	0.00	0.00	2.85	0.00	0.00	0.00	0.71
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	5	15.20	29.34	0.00	0.00	2.45	0.00	0.00	0.00	0.73
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	10	12.70	31.57	0.07	0.00	0.00	0.00	0.00	0.00	1.24
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	15	9.80	32.29	0.68	0.17	3.02	3.67	0.07	3.61	2.73
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	20	8.90	32.55	0.88	0.46	4.29	6.08	0.21	5.88	1.62

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	30	8.30	32.71	1.02	0.61	6.94	8.64	0.53	8.11	1.07
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	40	8.10	32.86	1.27	0.17	11.72	13.99	0.49	13.50	0.58
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	50	7.90	33.44	1.95	0.00	28.41	25.12	0.17	24.95	0.26
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	60	7.80	33.73	2.17	0.00	35.49	29.26	0.00	29.26	0.06
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	70	7.80	33.81	2.17	0.00	34.17	29.64	0.00	29.64	0.03
W9907A	07/08/99	6:23	40	HH-04	44.00	-124.8	95	7.40	33.95	2.30	0.00	40.48	31.30	0.00	31.30	0.04
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	0	14.90	29.95	0.02	0.00	3.04	0.00	0.00	0.00	0.90
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	10	13.80	30.75	0.26	0.04	2.83	1.12	0.04	1.08	1.93
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	15	11.70	31.86	0.89	1.00	8.46	7.91	0.20	7.71	1.34
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	20	10.70	32.25	1.64	1.10	20.35	18.55	0.32	18.23	0.77
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	30	8.60	32.91	1.92	0.05	28.39	24.42	0.25	24.16	0.38
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	40	7.90	33.36	2.05	0.00	33.59	27.82	0.01	27.80	0.05
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	50	7.90	33.65	2.15	0.00	37.08	29.44	0.01	29.43	0.05
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	70	7.70	33.74	2.30	0.00	41.99	31.61	0.00	31.61	0.06
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	100	7.20	33.95	2.38	0.00	47.33	33.39	0.00	33.39	0.04
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	150	6.90	33.99		0.00	50.80	33.22	0.00	33.21	0.01
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	500	5.50	34.11	2.88		79.07	40.01			
W9907A	07/08/99	8:20	41	HH-05	44.00	-125.	930	4.00	34.37	3.24		121.33	44.46			
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	0	14.80	30.06	0.00	0.00	0.00	0.00	0.00	0.00	0.95
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	10	14.40	30.32	0.00	0.01	0.00	0.00	0.00	0.00	1.19
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	15	11.20	31.86	0.30	0.14	0.00	0.57	0.03	0.54	2.62
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	20	9.70	32.34	0.98	0.61	7.16	8.31	0.19	8.12	2.14
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	30	8.20	33.11	1.82	0.47	23.05	21.54	0.28	21.26	0.53
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	40	8.10	33.38	2.05	0.07	29.79	26.28	0.22	26.05	0.23
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	50	7.90	33.56	2.18	0.00	33.94	28.53	0.03	28.50	0.14
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	70	7.60	33.77	2.32	0.00	40.68	31.16	0.00	31.16	0.09
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	100	7.30	33.91	2.44	0.00	45.44	33.04	0.00	33.04	0.06
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	150	6.60	34.00	2.51	0.00	57.13	35.00	0.00	35.00	0.03
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	200	6.20	34.03	2.64	0.00	62.69	36.57	0.00	36.57	0.02
W9907A	07/08/99	12:02	43	HH-07	44.00	-125.2	1005	3.80	34.41	3.27	0.00	127.37	44.50	0.00	44.50	
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	0	16.10	27.45	0.00	0.00	8.23	0.00	0.00	0.00	0.49
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	10	15.50	29.47	0.00	0.00	5.30	0.00	0.00	0.00	0.58
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	20	11.70	31.93	0.27	0.00	0.00	0.00	0.00	0.00	1.40
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	30	10.40	32.24	0.49	0.00	2.05	0.00	0.00	0.00	2.38
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	35	9.50	32.55	0.69	0.13	2.52	1.95	0.10	1.85	1.43
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	40	9.00	32.65	0.83	0.36	4.34	4.11	0.20	3.91	1.25
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	50	8.50	32.74	0.87	0.40	5.87	5.16	0.29	4.87	1.01
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	70	8.10	32.90	1.07	0.10	8.89	9.87	0.55	9.33	0.36
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	100	7.50	33.81	2.29	0.00	39.22	30.46	0.00	30.46	0.11
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	150	7.10	33.96	2.43	0.00	47.95	33.89	0.00	33.89	0.04
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	555	5.00	34.19	3.19	0.00	94.18	43.55	0.00	43.55	
W9907A	07/08/99	14:39	45	HH-09	44.00	-125.4	1005	3.70	34.41	3.37	0.00	130.52	46.27	0.00	46.27	
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	0	13.30	32.53	0.50	0.00	12.38	3.40	0.10	3.30	4.23
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	5	13.10	32.56	0.61	0.00	15.38	4.77	0.12	4.66	5.05
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	10	10.10	33.24	1.52	0.00	31.24	16.93	0.27	16.66	10.00
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	15	9.50	33.38		0.00	37.82	22.57	0.30	22.27	8.66
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	20	9.20	33.45	2.27	0.00	45.31	30.06	0.23	29.83	1.69
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	23	9.10	33.46	2.31	0.00	46.81	30.75	0.24	30.51	1.09
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	25	9.00	33.46	2.44	0.00	51.00	32.12	0.31	31.81	0.88
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	30	7.80	33.72	2.45	0.65	53.40	32.94	0.36	32.59	0.65
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	40	7.30	33.91	2.64	1.55	57.30	33.91	0.38	33.53	0.36
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	50	7.20	33.92	2.63	1.57	57.31	34.11	0.37	33.74	0.28

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/05/99	3:02	14	FM-03	43.22	-124.5	55	7.20	33.92	2.63	1.56	57.31	33.77	0.38	33.39	0.33
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	0	14.60	31.83	0.00	0.00	3.18	0.00	0.00	0.00	1.41
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	5	14.60	31.83	0.05	0.00	3.33	0.00	0.00	0.00	1.20
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	10	12.10	32.41	0.25	0.00	6.01	0.64	0.02	0.62	2.97
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	15	11.40	32.70	0.00	0.00	3.47	0.00	0.00	0.00	1.32
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	20	9.10	32.89	1.80		27.38	20.00	0.32	19.69	2.37
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	25	8.90	33.28	1.86	0.53	33.36	23.02	0.26	22.75	2.51
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	30	8.20	33.57		0.00	45.76	30.23	0.22	30.01	0.67
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	40	7.60	33.78	2.51	0.64	52.33	32.90	0.27	32.64	0.23
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	50	7.30	33.92	2.40	0.00	48.89	33.24	0.21	33.03	0.16
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	60	7.20	33.95	2.41	0.04	49.93	32.96	0.19	32.77	0.20
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	70	7.10	33.97	2.46	1.11	52.77	33.02	0.18	32.84	0.21
W9907A	07/05/99	4:08	15	FM-04	43.22	-124.58	80	7.00	33.97	2.45	0.97	52.76	32.88	0.17	32.71	0.21
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	0	15.10	31.11	0.00	0.00	3.03	0.00	0.00	0.00	0.77
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	10	14.50	31.35	0.09	0.01	3.63	0.00	0.00	0.00	1.48
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	20	11.20	31.91	1.23	1.83	15.80	10.31	0.25	10.06	1.90
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	25	9.20	32.34	1.61	1.71	23.62	16.97	0.37	16.60	0.84
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	30	8.40	32.65	1.71	0.68	27.98	20.21	0.41	19.80	0.43
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	40	8.00	33.07	1.76	0.03	29.17	22.19	0.31	21.87	0.36
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	50	8.00	33.23	2.04	0.04	35.18	26.70	0.24	26.46	0.38
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	60	8.00	33.57	2.26	0.05	43.15	30.68	0.16	30.53	0.21
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	70	7.60	33.79	2.44	0.17	47.43	32.80	0.31	32.49	0.34
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	100	7.00	33.98	2.30	0.13	48.51	32.23	0.11	32.12	0.07
W9907A	07/05/99	5:14	16	FM-05	43.22	-124.67	145	6.70	34.00	2.56	0.66	55.35	34.13	0.15	33.98	0.10
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	0	15.10	30.62	0.00	0.00	3.02	0.00	0.00	0.00	0.40
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	10	13.50	31.47	0.23	0.00	0.00	0.00	0.00	0.00	0.38
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	20	10.60	32.52	0.56	0.04	3.10	1.92	0.07	1.84	1.10
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	25	9.90	32.61	0.71	0.16	4.36	4.56	0.24	4.31	1.14
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	30	9.30	32.69	0.79	0.22	4.72	6.05	0.41	5.64	0.83
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	40	8.70	32.75	0.89	0.14	6.27	8.92	0.68	8.24	0.56
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	50	8.40	32.79	0.98	0.03	8.72	9.56	0.55	9.02	0.37
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	60	8.60	33.01	1.05	0.00	9.53	11.05	0.13	10.92	0.18
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	70	8.50	33.29	1.24	0.00	13.33	14.77	0.00	14.77	0.05
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	100	8.00	33.81	2.03	0.00	31.89	27.56	0.00	27.56	0.03
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	150	7.10	33.95	2.47	0.50	50.91	32.84	0.19	32.65	0.05
W9907A	07/05/99	8:07	18	FM-07	43.22	-124.83	340	5.70	34.08	2.82	0.00	72.70	38.72	0.00	38.72	0.03
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	0	15.60	30.17	0.00	0.00	0.19	0.00	0.00	0.00	0.32
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	10	14.90	30.96	0.11	0.02	0.00	0.00	0.00	0.00	0.33
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	20	11.10	32.37	0.34	0.02	0.68	0.00	0.00	0.00	0.85
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	25	10.10	32.66	0.56	0.09	3.74	2.84	0.13	2.71	1.05
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	30	9.30	32.73	0.73	0.04	5.59	6.23	0.32	5.91	0.74
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	40	8.80	32.78	0.84	0.02	6.52	8.26	0.03	8.24	0.28
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	50	8.80	32.85	0.71	0.19	3.79	5.79	0.28	5.50	0.24
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	70	8.60	33.10	1.01	0.01	9.76	11.13	0.00	11.13	0.06
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	100	8.50	33.68	1.82	0.03	25.18	24.06	0.00	24.06	0.01
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	150	7.30	33.95	2.21	0.00	43.80	31.03	0.00	31.03	0.02
W9907A	07/05/99	10:07	19	FM-08	43.22	-125.	1005	3.90	34.40	3.30	0.00	124.96	44.44	0.00	44.44	
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	0	15.40	30.17	0.00	0.08	0.00	0.00	0.00	0.00	0.37
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	10	12.70	31.41	0.04	0.13	0.00	0.00	0.00	0.00	0.45
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	18	10.40	32.20	0.42	0.13	0.10	1.60	0.03	1.57	2.81
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	20	10.80	32.52	0.58	0.24	1.68	3.03	0.04	2.99	2.79

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	29	9.20	32.74	0.34	0.07	1.43	0.00	0.00	0.00	1.67
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	40	8.90	32.77	0.79	0.04	5.76	7.25	0.20	7.05	0.67
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	50	8.80	32.78	1.12	0.01	12.83	12.90	0.03	12.87	0.30
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	70	8.70	32.83	0.65	0.06	4.34	6.58	0.00	6.58	0.19
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	100	8.20	33.44	1.77	0.03	25.45	22.98	0.00	22.98	0.05
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	150	7.60	33.92	2.11	0.00	40.32	30.02	0.00	30.02	0.02
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	850	4.20	34.35	3.31	0.00	116.49	44.22	0.00	44.22	
W9907A	07/05/99	12:08	20	FM-09	43.22	-125.17	1005	3.80	34.41	3.31	0.00	127.44	44.70	0.00	44.70	
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	0	8.50	33.89	1.72	0.00	33.02	22.61	0.27	22.34	9.94
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	5	8.40	33.90	1.89	0.00	35.94	25.55	0.25	25.29	10.23
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	10	7.90	33.92	2.04	0.00	37.58	28.25	0.23	28.02	8.28
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	15	7.80	33.94	2.08	0.05	37.22	28.11	0.23	27.88	1.17
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	20	7.70	33.95	2.13	0.16	40.00	29.19	0.23	28.96	7.96
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	25	7.60	33.96	2.23	0.31	42.06	30.13	0.23	29.89	5.85
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	30	7.50	33.96	2.24	0.34	42.28	30.21	0.23	29.98	6.16
W9907A	07/05/99	21:01	21	CR-01	41.90	-124.3	35	7.50	33.96	2.20	0.36	42.06	30.14	0.22	29.92	6.48
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	0	13.00	32.95	0.41	0.13	0.00	1.55	0.13	1.42	1.10
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	5	12.50	32.95	0.44	0.16	0.00	1.80	0.13	1.67	1.11
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	10	12.30	32.95	0.70	0.17	0.00	5.51	0.18	5.33	1.63
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	20	9.50	33.16	1.24	0.32	11.67	13.90	0.24	13.66	2.43
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	30	8.70	33.24	1.62	0.07	22.15	20.53	0.17	20.37	0.98
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	40	8.80	33.63	1.74	0.25	26.22	22.48	0.24	22.24	5.72
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	50	8.60	33.78	1.84	0.34	29.25	24.19	0.23	23.95	5.89
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	60	8.60	33.80	1.87	0.36	29.74	24.36	0.24	24.13	5.73
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	70	8.50	33.82	1.90	0.47	30.08	24.84	0.24	24.61	5.22
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	99	8.00	33.88	2.22	0.69	38.62	28.25	0.24	28.01	2.62
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	120	7.70	33.95	2.19	0.56	38.36	27.88	0.22	27.67	6.91
W9907A	07/05/99	23:05	23	CR-03	41.90	-124.5	129	7.70	33.95	2.19	0.55	38.25	27.83	0.22	27.60	6.67
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	0	12.10	32.74	0.37	0.04	0.00	0.39	0.09	0.29	1.45
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	10	12.00	32.74	0.46	0.10	0.67	1.14	0.11	1.03	1.58
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	15	11.30	32.73	0.76	0.11	5.41	5.95	0.29	5.67	1.62
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	20	9.60	32.84	0.85	0.31	5.58	7.54	0.32	7.22	1.27
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	30	9.70	32.93	0.84	0.13	5.29	7.69	0.23	7.46	0.92
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	40	9.10	33.15	1.09	0.03	8.97	11.90	0.06	11.84	0.65
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	51	8.80	33.37	1.52	0.00	19.05	19.05	0.08	18.97	0.20
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	70	8.70	33.63	1.87	0.07	28.68	24.84	0.36	24.47	0.17
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	100	8.10	33.84	2.14	0.00	34.79	29.35	0.06	29.29	0.09
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	150	7.40	33.96	2.19	0.00	43.20	30.87	0.00	30.87	0.03
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	451	5.60	34.12	3.01	0.00	79.06	40.61	0.00	40.61	0.02
W9907A	07/06/99	0:35	24	CR-04	41.90	-124.6	490	5.50	34.14	3.01	0.00	81.78	40.48	0.00	40.48	0.03
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	0	13.40	32.67	0.23	0.00	0.00	0.00	0.00	0.00	1.00
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	10	12.90	32.71	0.23	0.00	0.00	0.00	0.00	0.00	0.99
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	15	12.40	32.73	0.26	0.00	0.00	0.00	0.00	0.00	1.03
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	20	12.00	32.76	0.35	0.08	0.00	0.00	0.05	0.00	1.04
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	30	10.50	32.91	0.65	0.17	0.00	2.59	0.21	2.38	0.97
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	40	9.90	32.91	0.84	0.28	9.25	8.03	0.21	7.82	0.90
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	49	9.30	32.97	1.00	0.00	7.50	8.92	0.01	8.91	0.18
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	70	8.80	33.26	1.47	0.00	17.33	16.84	0.02	16.82	0.17
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	100	8.50	33.64	2.00	0.00	31.67	25.88	0.35	25.53	0.12
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	150	7.70	33.92	2.27	0.00	40.30	30.37	0.11	30.26	0.07
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	499	5.20	34.16	3.03	0.00	87.62	41.86	0.00	41.86	0.01
W9907A	07/06/99	2:24	25	CR-05	41.90	-124.7	620	4.60	34.25		0.00	103.12	43.41	0.00	43.41	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	0	12.70	33.11	0.48	0.69	0.00	3.04	0.19	2.85	2.08
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	10	12.70	33.11	0.52	0.94	0.68	3.20	0.19	3.01	2.17
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	20	10.20	33.36	0.78	0.70	0.77	6.80	0.24	6.56	4.87
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	25	10.30	33.53	0.89	0.66	2.30	8.04	0.26	7.77	6.33
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	30	9.30	33.43	1.18	0.79	12.02	12.87	0.31	12.55	6.80
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	40	8.90	33.55	1.59	1.08	23.76	19.15	0.32	18.83	4.14
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	50	8.70	33.69	1.80	1.25	28.89	22.60	0.27	22.34	3.88
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	70	8.40	33.78	2.02	0.94	35.73	26.67	0.25	26.42	1.42
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	100	7.90	33.89	2.22	0.69	40.14	29.51	0.24	29.27	0.49
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	150	7.20	33.97	2.33	0.00	48.94	33.04	0.05	32.99	0.10
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	500	5.00	34.17	3.08	0.00	91.36	42.49	0.00	42.49	
W9907A	07/06/99	5:47	27	CR-07	41.90	-125.	817	4.00	34.38	3.25	0.00	122.53	44.65	0.00	44.65	
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	0	11.10	33.17	0.82	0.23	2.24	8.02	0.22	7.80	4.95
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	10	11.10	33.15	1.12	0.16	12.27	10.81	0.21	10.60	3.57
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	20	9.20	33.04	1.28	0.16	15.00	13.60	0.28	13.32	2.86
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	25	9.10	33.10	1.31	0.20	15.04	14.31	0.30	14.02	2.32
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	30	9.10	33.37	1.39	0.17	17.02	15.72	0.29	15.43	2.25
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	40	9.50	33.57	1.41	0.46	17.06	15.97	0.29	15.68	1.20
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	50	9.00	33.68	1.58	0.66	20.24	18.45	0.22	18.23	0.79
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	70	8.40	33.77	1.91	0.00	28.33	25.85	0.00	25.85	0.07
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	100	8.00	33.88	2.07	0.00	37.63	28.99	0.10	28.89	0.08
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	150	7.40	33.95	2.29	0.03	47.72	32.62	0.32	32.30	0.08
W9907A	07/06/99	9:43	29	CR-09	41.90	-125.33	1005	3.70	34.43	3.25	0.00	130.02	44.88	0.00	44.88	
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	0	11.00	33.62	0.41	0.12	0.00	3.12	0.13	2.99	4.85
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	5	10.60	33.60	0.42	0.13	0.00	3.65	0.12	3.52	4.89
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	10	10.50	33.63	0.56	0.17	0.00	5.15	0.15	5.00	4.80
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	15	10.10	33.67	0.72	0.24	2.58	7.48	0.16	7.32	5.31
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	20	9.20	33.71	1.76	0.73	25.64	22.22	0.28	21.94	1.89
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	25	8.70	33.74	1.94	0.78	30.25	24.77	0.30	24.47	1.23
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	30	8.30	33.81	2.02	0.80	30.43	25.97	0.37	25.60	0.91
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	40	8.10	33.85	2.14	0.69	35.04	27.93	0.40	27.53	0.82
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	50	7.70	33.92	2.39	1.00	43.00	30.18	0.29	29.89	0.31
W9907A	07/06/99	20:29	30	EU-01	40.87	-124.27	55	7.70	33.93	2.39	0.96	41.66	30.18	0.27	29.91	0.30
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	0	12.10	33.54	0.31	1.21	0.00	1.80	0.07	1.73	1.48
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	5	12.00	33.54	0.65	0.71	0.84	6.59	0.16	6.43	2.26
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	10	9.70	33.51	1.26	1.01	9.34	15.08	0.22	14.86	2.64
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	15	9.20	33.57	1.39	1.48	12.14	16.55	0.23	16.33	1.93
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	20	8.80	33.61	1.67	0.58	21.64	21.50	0.12	21.38	1.49
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	30	8.60	33.70	1.79	0.15	24.31	23.75	0.05	23.70	0.87
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	40	8.50	33.79	1.95	0.00	30.24	26.84	0.04	26.80	0.40
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	50	8.30	33.85	1.97	0.00	31.20	27.40	0.03	27.36	0.20
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	60	8.00	33.90	2.09	0.00	35.71	29.26	0.12	29.14	0.24
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	70	7.90	33.91	2.14	0.00	37.38	29.89	0.18	29.71	0.25
W9907A	07/06/99	21:31	31	EU-02	40.87	-124.37	105	7.20	33.99	2.36	0.34	46.59	32.45	0.20	32.25	0.11
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	0	12.20	33.20	0.28	0.00	1.77	0.00	0.08	0.00	4.17
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	10	11.60	33.15	0.62	0.00	3.53	4.26	0.19	4.07	4.84
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	15	9.80	33.35	1.00	0.00	10.55	11.68	0.24	11.44	4.11
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	20	9.60	33.41	1.23	0.17	15.03	14.42	0.23	14.19	4.29
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	30	9.00	33.49	1.54	0.10	24.45	19.91	0.14	19.77	1.94
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	40	8.70	33.67	1.71	0.00	29.22	23.62	0.00	23.62	0.17
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	50	8.50	33.74	1.97	0.00	36.40	27.39	0.00	27.40	0.06

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	70	8.10	33.85		0.00	35.64	27.46	0.00	27.46	0.04
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	101	7.60	33.95	2.04	0.00	40.87	29.24	0.00	29.24	0.03
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	150	7.30	34.01	2.25	0.00	49.79	32.84	0.32	32.51	0.08
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	300	6.50	34.05	2.59	0.00	59.43	35.59	0.00	35.59	0.04
W9907A	07/06/99	22:58	32	EU-03	40.87	-124.47	349	6.30	34.08	2.69	0.00	65.00	37.15	0.00	37.15	0.05
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	0	11.70	33.45	0.16	0.00	0.00	0.00	0.00	0.00	7.17
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	5	10.70	33.47	0.17	0.00	0.00	0.00	0.00	0.00	7.58
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	10	10.00	33.48	0.43	0.15	0.00	0.00	0.03	0.00	9.88
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	20	9.20	33.59	1.27	0.64	9.03	12.72	0.19	12.53	6.11
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	30	8.80	33.64	1.55	0.50	16.16	17.53	0.20	17.33	4.64
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	40	8.70	33.69	1.73	0.48	21.79	20.91	0.13	20.78	1.95
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	50	8.50	33.77	1.81	0.59	24.87	22.13	0.13	22.01	1.27
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	70	8.30	33.81	2.00	0.48	30.95	25.35	0.23	25.12	1.01
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	100	8.00	33.90	2.09	0.00	34.33	28.09	0.00	28.09	0.07
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	150	7.60	33.97	2.15	0.00	43.15	30.53	0.00	30.53	0.31
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	500	5.50	34.22		0.00	85.73	41.12	0.00	41.12	0.03
W9907A	07/07/99	1:38	34	EU-05	40.87	-124.67	690	4.80	34.27		0.00	100.03	43.14	0.00	43.14	0.02
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	0	11.80	33.09	0.50	0.04	0.89	0.00	0.19	0.00	4.19
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	10	11.50	33.07	0.57	0.05	0.84	0.00	0.19	0.00	4.23
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	20	10.60	33.00	0.84	0.11	3.81	8.11	0.25	7.87	3.02
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	30	9.80	32.96	0.91	0.01	8.65	9.80	0.28	9.52	3.10
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	40	9.10	32.99	1.09	0.00	14.06	12.80	0.18	12.62	1.36
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	50	8.90	33.12	1.38	0.00	20.62	17.63	0.22	17.40	0.65
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	70	9.00	33.53	1.69	0.41	25.74	21.77	0.35	21.42	3.19
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	85	8.90	33.68	1.68	0.83	25.12	22.46	0.29	22.18	3.32
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	100	8.60	33.78	1.68	1.63	22.34	21.25	0.25	21.00	3.54
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	150	7.80	33.93		0.05	40.57	29.82	0.02	29.80	0.17
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	715	4.40	34.29		0.00	108.72	44.23	0.00	44.23	
W9907A	07/07/99	5:11	36	EU-07	40.87	-124.93	1000	3.70	34.43		0.00	129.34	45.11	0.00	45.11	
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	3	9.36	33.14	0.96	0.41	12.01	3.73	0.16	3.57	9.16
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	7	9.11	33.19	1.45	0.38	20.12	14.41	0.18	14.23	9.23
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	12	8.69	33.26	1.66	0.62	23.92	17.71	0.18	17.53	6.83
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	14	8.37	33.22	1.73	0.08	25.75	21.27	0.06	21.21	2.06
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	17	8.10	33.24	1.85	0.05	27.93	23.24	0.03	23.21	0.40
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	22	8.13	33.41	1.94	0.05	29.93	25.02	0.03	24.99	0.14
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	27	8.18	33.52	2.02	0.06	31.74	26.34	0.02	26.32	0.08
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	32	8.18	33.58	2.18	0.04	35.72	28.58	0.03	28.55	0.12
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	42	8.03	33.74	2.35	0.51	45.27	30.75	0.11	30.64	0.17
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	52	7.96	33.77	2.38	0.38	47.45	31.08	0.15	30.93	0.34
W9909C	09/22/99	20:04	3	NH-05	44.65	-124.18	55	7.96	33.77	2.37	0.21	47.65	31.07	0.15	30.92	0.41
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	3	12.59	32.29	0.51	0.14	12.38	1.68	0.05	1.63	2.25
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	7	12.37	32.33	0.53	0.10	12.41	2.00	0.06	1.94	2.14
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	12	11.20	32.57	0.80	0.72	11.71	5.30	0.32	4.98	1.06
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	22	9.42	32.76	0.94	0.52	11.21	8.26	0.46	7.80	0.36
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	32	8.66	32.79	0.97	0.27	11.23	9.12	0.07	9.05	0.18
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	42	8.45	32.81	0.98	0.08	11.45	9.31	0.03	9.28	0.13
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	51	8.28	32.88	1.27	0.08	16.70	14.19	0.03	14.16	0.07
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	62	8.33	33.13	1.54	0.07	21.93	18.74	0.03	18.71	0.07
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	71	8.25	33.42	2.20	0.18	40.27	28.24	0.15	28.09	0.08
W9909C	09/22/99	23:04	5	NH-15	44.65	-124.41	82	8.04	33.73	2.37	0.21	48.02	31.68	0.28	31.40	0.09
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	3	11.51	32.46	0.82	0.25	16.34	6.43	0.16	6.27	1.24

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	12	11.24	32.50	0.86	0.36	15.47	6.82	0.17	6.65	1.48
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	20	10.53	32.61							2.34
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	22	10.27	32.66	0.92	0.54	12.62	7.41	0.36	7.05	1.69
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	32	8.88	32.78	0.94	0.08	11.04	8.66	0.37	8.29	0.37
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	42	8.54	32.80	0.97	0.04	11.06	8.99	0.08	8.91	0.28
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	52	8.32	32.85	0.97	0.07	12.34	10.37	0.08	10.29	0.16
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	72	8.17	33.06	1.45	0.06	20.44	17.16	0.07	17.09	0.13
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	102	8.16	33.58	2.35	0.07	43.28	30.49	0.03	30.46	0.10
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	152	7.88	33.88	2.34	0.04	41.87	31.87	0.02	31.85	0.04
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	202	7.38	33.94	2.47	0.07	48.36	34.05	0.06	33.99	0.02
W9909C	09/23/99	6:31	7	NH-25	44.65	-124.65	275	6.96	33.98	2.61	0.04	53.95	35.76	0.04	35.72	0.03
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	3	14.96	31.59	0.18	0.07	13.10	0.00	0.00	0.00	0.65
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	12	14.05	31.90	0.23	0.28	11.19	0.00	0.01	0.00	0.83
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	17	13.19	32.37	0.29	0.18	11.42	0.00	0.02	0.00	1.24
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	22	11.28	32.69	0.63	0.29	8.53	2.15	0.43	1.72	0.75
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	32	9.99	32.75	0.82	0.04	9.25	5.94	0.51	5.43	0.24
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	42	9.11	32.77	0.92	0.00	9.95	8.32	0.10	8.22	0.16
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	52	8.52	32.79	0.98	0.34	10.43	9.31	0.02	9.29	0.09
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	72	8.30	32.99	1.30	0.00	15.96	14.49	0.02	14.47	0.04
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	102	8.26	33.58	2.02	0.10	30.64	26.39	0.00	26.39	0.02
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	152	7.73	33.90	2.30	0.03	41.60	30.93	0.00	30.93	0.02
W9909C	09/23/99	9:22	8	NH-35	44.65	-124.88	427	5.80	34.05	3.00	0.03	69.89	40.95	0.01	40.94	0.02
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	3	15.65	31.66	0.16	0.01	9.99	0.00	0.01	0.00	0.52
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	12	15.48	31.71	0.17	0.04	9.99	0.00	0.01	0.00	0.57
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	20	12.43	32.56							0.76
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	22	12.07	32.59	0.73	0.01	8.29	4.06	0.26	3.80	0.56
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	32	10.46	32.73	0.84	0.03	9.24	6.35	0.04	6.31	0.32
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	42	9.65	32.76	0.91	0.17	9.48	8.17	0.02	8.15	0.13
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	52	9.00	32.79	0.93	0.00	9.71	8.81	0.02	8.79	0.07
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	72	8.49	32.93	1.19	0.19	13.80	12.93	0.00	12.93	0.02
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	102	8.40	33.75	2.07	0.02	31.84	27.59	0.00	27.59	0.03
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	152	8.20	33.96	2.53	0.09	42.92	34.10	0.00	34.10	0.02
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	502	5.39	34.09	3.16		80.96	43.34	0.00	43.34	0.01
W9909C	09/23/99	10:58	9	NH-45	44.65	-125.12	693	4.39	34.26	3.46		106.72	46.80	0.00	46.80	
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	3	14.57	31.97	0.28	0.05	12.16	0.00	0.01	0.00	0.63
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	12	11.84	32.45	0.48	0.07	14.56	1.51	0.04	1.47	1.27
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	20	10.16	32.72	0.74	0.21	13.83	5.30	0.21	5.09	1.16
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	22	9.77	32.75	0.77	0.08	13.34	5.54	0.20	5.34	1.15
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	32	8.89	32.78	0.91	0.00	9.72	7.75	0.08	7.67	0.42
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	42	8.40	32.82	1.00	0.29	10.68	9.48	0.03	9.45	0.17
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	53	8.57	32.97	1.11	0.01	12.83	11.44	0.06	11.38	0.13
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	72	8.54	33.23	1.57	0.01	21.02	19.03	0.06	18.97	0.14
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	102	8.36	33.67	2.03	0.02	31.11	27.09	0.00	27.09	0.03
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	153	7.66	33.91	2.36	0.01	41.70	32.69	0.00	32.69	0.03
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	765	4.47	34.27	3.46	0.00	109.60	46.79	0.00	46.79	
W9909C	09/23/99	15:30	11	NH-65	44.65	-125.6	1007	3.77	34.39	3.49	0.00	128.14	47.83	0.00	47.83	
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	3	12.47	32.57	0.49	0.06	12.71	1.71	0.10	1.61	0.71
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	12	11.69	32.96	0.69	0.48	12.47	4.09	0.22	3.88	0.68
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	18	11.44	33.04	0.88	1.19	12.91	6.39	0.26	6.13	0.41
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	22	11.09	33.02	0.99	1.46	14.07	7.91	0.25	7.65	0.65
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	32	10.29	33.02	1.11	1.18	15.95	10.00	0.29	9.70	0.27
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	42	9.07	33.13	1.32	0.01	17.32	14.24	0.29	13.96	0.21

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	72	8.35	33.66	1.54	0.00	21.79	18.00	0.11	17.89	0.05
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	92	8.05	33.81	1.85	0.00	28.14	22.97	0.03	22.94	0.04
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	102	7.91	33.85	2.19	0.00	36.62	28.24	0.01	28.23	0.02
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	152	7.37	33.95	2.42	0.00	45.31	31.91	0.01	31.90	0.01
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	527	5.02	34.17	3.28	0.00	90.80	42.23	0.00	42.23	
W9909C	09/23/99	18:45	12	NH-85	44.65	-126.05	1007	3.55	34.42	3.45		122.14	45.04	0.00	45.04	
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	1	9.43	33.64	1.87	1.63	26.05	21.69	0.39	21.30	1.61
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	5	9.45	33.64	1.87	1.67	25.80	21.77	0.40	21.37	1.72
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	10	9.37	33.64	1.89	1.40	27.02	22.41	0.41	22.00	2.28
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	15	9.18	33.66	1.99	1.11	28.48	24.28	0.44	23.84	2.27
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	19	9.02	33.68	2.15	1.42	31.65	26.87	0.48	26.39	0.82
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	25	8.78	33.73	2.27	1.24	35.55	29.14	0.52	28.62	0.49
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	31	8.71	33.75	2.33	1.20	37.26	29.78	0.53	29.25	0.37
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	41	8.60	33.79	2.45	1.37	40.67	30.83	0.50	30.33	0.42
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	50	8.51	33.80	2.45	1.01	42.14	31.24	0.46	30.78	0.52
W9909C	09/24/99	15:13	19	FM-03	43.22	-124.5	58	8.51	33.80	2.46	0.77	42.38	31.24	0.45	30.79	1.10
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	1	9.77	33.41	1.44	1.86	14.59	14.46	0.32	14.14	0.89
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	5	9.76	33.42	1.47	1.90	15.32	14.78	0.32	14.46	0.89
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	10	9.77	33.41	1.59	2.24	18.24	16.81	0.35	16.46	0.94
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	20	9.65	33.49	1.67	2.71	19.46	17.78	0.37	17.41	0.73
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	30	9.61	33.51	1.72	2.34	20.93	18.83	0.37	18.46	0.69
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	40	9.55	33.57	1.80	2.29	22.88	19.88	0.38	19.50	0.64
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	50	9.49	33.61	1.99	2.48	25.56	22.47	0.40	22.07	0.78
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	55	9.31	33.62	2.09	1.58	29.21	25.15	0.44	24.71	0.65
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	60	9.12	33.64	2.18	1.08	32.63	27.42	0.47	26.95	0.54
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	70	8.56	33.78	2.30	0.10	38.48	29.93	0.40	29.53	0.30
W9909C	09/24/99	14:07	18	FM-04	43.22	-124.58	76	8.50	33.81	2.32	0.06	39.21	30.33	0.39	29.94	0.28
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	1	10.38	33.08	1.03	1.15	10.52	8.68	0.30	8.38	0.35
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	10	10.12	33.25	1.09	0.42	11.01	9.43	0.31	9.12	0.60
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	20	9.83	33.48	1.41	2.19	14.16	13.80	0.38	13.42	0.55
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	25	9.74	33.55	1.54	2.04	17.72	16.22	0.40	15.82	0.31
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	30	9.66	33.56	1.68	2.11	20.62	18.24	0.42	17.82	0.80
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	40	9.22	33.61	1.86	1.91	24.42	20.86	0.48	20.38	0.15
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	50	9.19	33.62	2.01	1.34	28.51	24.50	0.53	23.97	0.45
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	60	9.05	33.64	2.09	1.02	30.89	26.31	0.54	25.77	0.36
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	70	8.92	33.68	2.15	0.50	33.09	27.66	0.52	27.14	0.31
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	100	8.33	33.84	2.37	0.18	40.19	31.36	0.13	31.23	0.08
W9909C	09/24/99	12:23	17	FM-05	43.22	-124.67	140	8.38	33.88	2.39	0.00	40.94	31.65	0.17	31.48	0.13
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	1	14.22	32.61	0.42	0.00	6.56	0.48	0.11	0.37	0.73
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	10	14.22	32.61	0.43	0.00	6.59	0.46	0.11	0.35	0.75
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	20	11.97	32.81	0.70	0.17	8.79	4.39	0.28	4.11	0.78
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	25	11.38	32.85	0.77	0.19	9.05	5.22	0.35	4.87	0.63
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	30	11.32	32.86	0.80	0.19	8.65	5.51	0.37	5.14	0.43
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	40	10.33	32.86	0.91	0.00	9.86	8.08	0.09	7.99	0.29
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	50	8.74	32.84	0.95	0.00	10.17	8.74	0.05	8.69	0.11
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	67	8.26	32.98	1.10	0.09	12.79	11.31	0.06	11.25	0.03
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	100	8.76	33.64	1.98	0.04	29.42	25.97	0.03	25.94	0.02
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	150	8.00	33.87	2.26	0.00	38.17	30.65	0.04	30.61	0.02
W9909C	09/24/99	9:12	15	FM-07	43.22	-124.83	327	6.24	34.05	2.86	0.10	63.89	38.45	0.04	38.41	0.02
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	1	15.12	32.46	0.34	0.00	7.22	0.00	0.03	0.00	0.29
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	10	15.07	32.47	0.34	0.00	6.98	0.00	0.02	0.00	0.38

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	20	12.26	32.75	0.70	0.23	6.96	3.20	0.27	2.93	0.63
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	25	11.27	32.79	0.63	0.24	5.10	1.84	0.25	1.59	0.85
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	30	10.74	32.82	0.69	0.36	6.01	2.75	0.30	2.46	0.73
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	40	9.35	32.82	0.82	0.36	8.32	5.69	0.34	5.35	0.31
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	50	8.97	32.88	0.86	0.19	9.00	6.90	0.50	6.40	0.15
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	70	8.40	32.91	0.89	0.08	9.45	7.88	0.69	7.19	0.05
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	101	8.50	33.24	1.59	0.02	21.90	19.49	0.01	19.48	0.02
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	150	7.83	33.89	2.17	0.00	37.12	29.75	0.00	29.75	0.01
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	810	4.14	34.34	3.42	0.00		46.35	0.00	46.35	
W9909C	09/24/99	6:01	14	FM-08	43.22	-125.	1004	3.60	34.42							
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	2	14.70	32.57	0.40	0.00	8.37	0.11	0.07	0.04	0.82
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	10	13.11	32.64	0.47	0.23	7.90	0.19	0.08	0.11	1.15
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	16	12.36	32.70	0.54	0.00	6.74	1.47	0.23	1.24	1.30
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	20	12.19	32.80	0.65	0.02	8.34	3.20	0.36	2.84	1.09
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	30	9.84	32.78	0.85	0.00	9.48	6.75	0.33	6.42	0.69
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	41	9.06	32.80	0.97	0.00	10.62	8.93	0.10	8.83	0.31
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	51	8.80	32.83	0.94	0.00	10.61	8.63	0.05	8.58	0.15
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	70	8.39	32.95	1.06	0.00	12.21	10.74	0.03	10.71	0.06
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	100	8.75	33.55	1.96	0.00	29.52	25.83	0.00	25.83	0.04
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	150	8.05	33.88	2.37	0.00	40.58	32.24	0.00	32.24	0.02
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	856	3.92	34.36	3.44	0.00		46.73	0.00	46.73	
W9909C	09/24/99	3:33	13	FM-09	43.22	-125.17	1005	3.55	34.42	3.43	0.00		46.80	0.01	46.79	
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	0	12.30	33.05	0.64		10.18	3.03	0.17	2.86	10.33
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	5	12.24	33.06	0.73		11.35	4.25	0.20	4.05	11.41
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	10	11.48	33.21	1.02		16.05	8.73	0.29	8.43	5.76
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	14	11.09	33.30	1.13		17.46	10.46	0.32	10.13	3.49
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	20	10.68	33.32	0.99		15.76	8.35	0.29	8.06	6.24
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	25	10.86	33.45							2.96
W9909C	09/24/99	23:30	21	CR-1	41.90	-124.3	35	10.46	33.50	1.82		31.31	18.09	0.74	17.35	1.53
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	0	10.87	33.19		0.01	12.71	9.29	0.18	9.11	1.10
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	10	10.84	33.20		0.02	12.95	9.67	0.20	9.47	1.02
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	20	9.86	33.30		0.03	16.82	14.42	0.33	14.08	0.80
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	30	9.60	33.38		0.01	20.02	17.83	0.30	17.53	0.44
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	35	9.47	33.43		0.01	20.71	18.13	0.27	17.86	0.38
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	50	9.23	33.54		0.03	23.90	20.73	0.16	20.57	0.26
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	60	9.08	33.60		0.05	25.73	22.00	0.13	21.87	0.19
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	70	8.98	33.64		0.09	27.11	23.12	0.10	23.02	0.16
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	100	8.43	33.84		0.03	34.39	27.64	0.13	27.52	0.07
W9909C	09/25/99	1:45	23	CR-3	41.90	-124.5	125	8.37	33.86		0.36	36.22	27.94	0.21	27.73	0.06
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	1	11.29	33.18		0.00	12.12	7.69	0.12	7.58	1.29
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	10	11.23	33.18		0.00	12.36	8.21	0.12	8.09	1.24
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	13	10.11	33.29		0.01	13.51	10.07	0.14	9.93	1.13
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	21	9.40	33.39		0.02	19.20	17.94	0.12	17.82	0.53
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	30	9.28	33.47		0.02	20.80	19.65	0.08	19.57	0.25
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	40	9.08	33.57		0.00	24.22	22.25	0.06	22.19	0.11
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	53	8.62	33.69		0.02	26.96	23.81	0.05	23.76	0.04
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	71	8.52	33.78		0.01	31.29	26.41	0.04	26.37	0.02
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	102	8.28	33.89		0.00	34.71	27.82	0.06	27.77	0.02
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	150	7.87	33.96		0.01	39.27	29.23	0.09	29.15	0.02
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	238	7.44	33.99		0.07	45.64	31.91	0.06	31.84	0.02
W9909C	09/25/99	3:00	24	CR-4	41.90	-124.6	496	5.27	34.14		0.05	74.97	40.59	0.07	40.52	0.01

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	1	11.41	33.20	0.83	0.04	11.71	8.38	0.17	8.21	
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	10	11.41	33.20	0.94	0.04	13.12	9.94	0.18	9.76	1.09
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	13	11.38	33.20	1.12	0.10	15.00	12.85	0.20	12.65	0.93
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	20	10.03	33.42	1.46	0.06	20.11	18.21	0.25	17.97	0.70
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	31	9.38	33.47	1.64	0.06	22.68	21.12	0.20	20.92	0.34
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	40	9.11	33.51	1.68	0.06	23.16	21.79	0.18	21.61	0.29
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	51	8.81	33.61	1.74	0.02	24.81	23.13	0.13	23.00	0.17
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	71	8.45	33.81	1.95	0.02	30.84	26.49	0.10	26.39	0.01
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	99	8.07	33.93	2.04	0.04	35.72	28.35	0.11	28.24	0.01
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	150	7.51	33.98	2.35	0.02	44.52	32.15	0.10	32.05	0.01
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	500	5.25	34.16	3.12	0.03	87.74	41.68	0.10	41.59	0.01
W9909C	09/25/99	5:04	25	CR-5	41.90	-124.7	578	4.71	34.22	3.22	0.04	92.38	43.10	0.09	43.01	
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	1	10.82	33.16	1.06	0.07	15.32	11.34	0.25	11.09	0.81
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	10	10.64	33.17	1.06	0.08	15.55	11.49	0.25	11.24	0.79
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	13	10.40	33.18	1.13	0.11	16.46	12.45	0.26	12.19	0.80
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	20	10.35	33.18	1.18	0.06	17.37	13.48	0.27	13.21	0.97
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	30	9.71	33.26	1.36	0.11	19.87	16.35	0.31	16.04	0.53
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	40	9.47	33.35	1.52	0.00	23.06	18.92	0.37	18.55	0.46
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	50	9.12	33.52	1.69	0.32	25.11	21.50	0.49	21.00	0.27
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	70	8.61	33.62	1.84	0.06	28.07	24.07	0.10	23.97	0.05
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	100	8.09	33.86	2.14	0.05	35.80	28.93	0.08	28.85	0.01
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	150	7.45	33.96							0.01
W9909C	09/25/99	9:06	27	CR-7	41.90	-125.	825	4.02	34.37	3.32	0.01	103.63	44.10	0.09	44.00	
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	1	11.25	32.86		0.00	8.46	5.83	0.23	5.60	0.59
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	5	11.27	32.86							0.58
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	10	11.18	32.87	0.80		9.90	6.05	0.23	5.82	0.54
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	20	10.87	32.90	0.85		10.59	6.70	0.21	6.49	0.54
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	30	10.41	32.94	0.95		11.31	8.50	0.23	8.27	0.25
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	40	9.97	33.18							0.10
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	50	9.26	33.35	1.51		20.88	17.64	0.02	17.62	0.06
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	71	8.99	33.58	1.69		24.43	20.53	0.02	20.51	0.04
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	100	8.42	33.76							0.01
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	150	7.64	33.96	2.32		42.49	30.40	0.00	30.40	0.01
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	841	4.11	34.34		0.00		44.03	0.04	43.99	
W9909C	09/25/99	13:13	29	CR-9	41.90	-125.3	1003	3.71	34.42	3.45			44.76	0.00	44.76	
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	1	11.03	33.30	1.03	0.06	15.76	11.24	0.21	11.02	1.13
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	5	10.99	33.30	1.06	0.06	15.99	11.53	0.22	11.31	1.01
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	10	10.28	33.32	1.33	0.07	18.53	15.18	0.33	14.85	0.70
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	15	9.96	33.37	1.32	0.11	18.76	15.78	0.35	15.43	0.56
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	20	9.87	33.39	1.36	0.08	19.22	16.15	0.37	15.78	0.64
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	25	9.85	33.40	1.39	0.11	20.15	16.75	0.40	16.35	0.59
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	30	9.74	33.47	1.52	0.33	22.00	18.31	0.46	17.85	0.48
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	40	9.59	33.51	1.59	0.14	23.84	19.80	0.46	19.34	0.41
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	50	9.27	33.59	1.78	0.11	27.54	22.40	0.43	21.98	0.27
W9909C	09/25/99	21:07	30	EU-1	40.87	-124.7	54	9.07	33.65	1.80	0.00	28.23	22.70	0.42	22.28	0.26
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	1	11.63	33.25	0.83	0.03	13.65	8.78	0.14	8.63	1.91
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	5	11.64	33.25	0.85	0.04	17.38	8.70	0.15	8.55	1.81
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	10	11.61	33.25	0.87	0.04	13.45	8.78	0.14	8.63	1.93
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	15	11.49	33.24	0.87	0.03	13.45	9.08	0.15	8.93	1.80
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	20	10.34	33.21	1.17	0.05	13.68	13.47	0.22	13.25	0.65
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	30	9.71	33.32	1.29	0.06	15.07	15.63	0.17	15.46	0.32
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	40	9.44	33.43	1.49	0.07	18.76	18.76	0.15	18.61	0.17

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	50	9.28	33.47	1.55	0.03	21.07	19.57	0.17	19.40	0.18
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	60	9.28	33.50	1.63	0.02	23.38	20.92	0.19	20.73	0.17
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	70	9.12	33.61	1.81	0.07	27.31	23.30	0.20	23.10	0.15
W9909C	09/25/99	22:22	31	EU-2	40.87	-124.37	105	8.33	33.89	2.18	0.06	35.85	28.51	0.18	28.33	0.05
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	3	12.62	33.10		0.02	9.53	6.47	0.18	6.30	0.38
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	10	12.58	33.10	0.82		11.13	7.05	0.20	6.85	0.74
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	20	11.64	33.14	1.01		13.66	9.99	0.23	9.76	0.76
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	30	11.06	33.29	1.11		16.77	11.94	0.14	11.80	1.62
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	35	10.56	33.28		0.00	15.45	14.34	0.13	14.21	0.79
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	40	9.87	33.32		0.00	17.05	16.79	0.06	16.73	0.28
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	50	9.50	33.43		0.00	20.70	19.54	0.05	19.49	0.11
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	70	8.85	33.66		0.00	26.62	23.18	0.05	23.13	0.04
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	100	8.51	33.83	1.99		31.60	26.81	0.01	26.80	0.02
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	151	8.08	33.95	2.23		38.98	30.36	0.02	30.34	0.02
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	180	7.87	33.96	2.26		40.58	30.96	0.00	30.96	0.02
W9909C	09/26/99	0:06	32	EU-3	40.87	-124.7	360	6.43	34.04	2.76		60.65	37.60	0.00	37.60	0.02
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	1	10.04	33.02	1.14	0.20	15.32	12.81	0.35	12.46	1.10
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	5	10.04	33.02	1.13	0.20	15.55	12.81	0.36	12.45	1.08
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	10	10.04	33.02	1.14	0.21	15.32	12.81	0.36	12.45	1.03
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	15	10.04	33.01	1.15	0.18	15.32	12.74	0.36	12.38	1.02
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	20	10.05	33.02	1.15	0.23	16.69	12.81	0.36	12.45	1.04
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	25	10.03	33.00	1.14	0.22	15.55	12.81	0.37	12.44	0.97
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	30	9.98	33.05	1.20	0.28	16.00	13.11	0.38	12.73	0.90
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	39	9.96	33.06	1.22	0.43	16.91	13.62	0.40	13.23	0.61
W9911A	11/03/99	22:37	2	NH-05	44.65	-124.18	52	9.89	33.09	1.31	0.54	17.82	14.29	0.40	13.88	0.68
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	1	11.10	32.58	0.65	0.10	8.90	5.01	0.24	4.77	1.64
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	5	11.10	32.58	0.68	0.06	9.13	5.45	0.24	5.21	1.59
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	10	11.10	32.58	0.69	0.26	9.36	5.60	0.24	5.36	1.60
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	17	11.00	32.60	0.76	0.10	10.28	6.70	0.26	6.44	1.43
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	21	10.80	32.70	0.82	0.10	10.97	7.66	0.27	7.39	1.28
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	30	10.10	32.99	1.30	0.39	18.71	15.10	0.39	14.70	0.85
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	40	9.30	33.29	1.62	0.38	23.95	19.73	0.43	19.30	0.51
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	61	8.50	33.51	1.93	0.10	31.92	24.44	0.26	24.19	0.38
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	71	8.20	33.60	2.10	0.05	36.70	26.95	0.12	26.83	0.16
W9911A	11/04/99	1:25	4	NH-15	44.65	-124.41	84	8.20	33.65	2.18	0.05	40.35	27.90	0.06	27.84	0.14
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	2	10.90	32.55	0.65	0.21	10.67	5.01	0.24	4.77	1.01
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	10	10.90	32.55	0.65	0.25	8.86	4.86	0.23	4.64	
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	20	10.80	32.56	0.68	0.17	9.55	5.45	0.23	5.22	0.94
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	30	10.40	32.74	1.05	0.06	12.51	11.19	0.31	10.88	0.41
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	40	9.40	32.96	1.24	0.05	15.25	14.36	0.14	14.22	0.25
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	50	8.80	33.10	1.41	0.05	17.98	17.30	0.08	17.22	0.17
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	70	8.30	33.50	1.98	0.05	30.73		0.05		0.08
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	100	8.10	33.82	2.26	0.44	38.48	30.33	0.05	30.28	0.04
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	116	8.00	33.84	2.30	0.05	40.53	30.70	0.05	30.65	0.04
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	149	7.90	33.89	2.40	0.22	44.05	31.30	0.00	31.30	0.03
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	200	7.70	33.94	2.40	0.06	44.98	31.76	0.01	31.75	0.03
W9911A	11/04/99	5:08	6	NH-25	44.65	-124.65	276	7.50	33.96	2.44	0.14	48.27	32.36	0.00	32.36	0.03
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	1	11.20	32.54	0.57	0.22	7.27	3.83	0.20	3.63	0.91
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	10	11.20	32.54	0.65	0.10	10.47	4.43	0.17	4.25	0.94
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	15	11.20	32.54	0.66	0.09	10.45	4.50	0.17	4.32	0.94
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	21	11.20	32.54	0.62	0.18	7.51	4.57	0.19	4.38	0.85

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	30	10.40	32.72	0.83	0.09	9.13	7.95	0.22	7.73	0.48
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	40	9.00	32.86	1.23	0.00	16.35	13.52	0.02	13.50	0.08
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	50	8.50	33.05	1.78	0.00	24.45	20.02	0.02	20.00	0.04
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	70	8.40	33.47	1.69	0.03	25.15	22.30	0.03	22.27	0.04
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	101	8.30	33.81	2.17	0.00	38.25	28.97	0.02	28.95	0.07
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	150	7.90	33.93	2.35	0.00	44.37	31.56	0.03	31.52	
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	411	5.50	34.07	2.98	0.11	73.82	39.78	0.00	39.78	0.01
W9911A	11/05/99	1:05	11	NH-35	44.65	-124.88	440	5.30	34.09	3.01	0.09	74.76	40.16	0.00	40.16	0.01
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	1	11.50	32.55	0.52	0.18	5.07	2.71	0.16	2.54	0.80
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	10	11.50	32.55	0.58	0.00	7.75	3.24	0.15	3.10	0.77
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	14	11.40	32.55	0.59	0.07	7.84	3.32	0.15	3.17	0.84
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	20	11.20	32.52	0.65	0.19	11.24	4.28	0.17	4.11	0.74
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	30	10.30	32.62	0.60	0.25	8.06	4.18	0.19	3.99	0.59
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	40	9.10	32.80	0.84	0.22	12.10	6.94	0.23	6.71	0.30
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	50	8.40	32.93	1.08	0.00	14.49	11.08	0.11	10.97	0.15
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	71	8.30	33.19	1.46	0.04	19.23	17.85	0.03	17.81	0.08
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	101	8.20	33.57	1.94	0.04	30.48	26.29	0.04	26.25	0.03
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	151	7.60	33.92	2.21	0.00	40.57	29.93	0.01	29.92	0.02
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	500	5.00	34.12	3.08	0.00	84.21	41.61	0.02	41.59	
W9911A	11/04/99	22:18	10	NH-45	44.65	-125.12	755	4.20	34.31	3.35	0.07	105.93	43.90	0.00	43.90	
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	2	13.20	32.55	0.29	0.06	5.02	0.45	0.09	0.36	0.72
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	10	13.20	32.55	0.38	0.00	8.04	0.95	0.07	0.88	0.73
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	20	13.20	32.55	0.38	0.00	7.86	0.95	0.06	0.89	0.74
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	30	13.20	32.55	0.31	0.10	5.03	0.53	0.09	0.44	0.60
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	40	13.20	32.55	0.69	0.70	9.99	4.13	0.26	3.87	0.26
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	50	10.50	32.70	0.86	0.73	8.25	6.83	0.70	6.14	0.13
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	70	8.30	32.82	0.97	0.00	12.16	9.08	0.24	8.85	0.08
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	100	8.00	33.17	1.43	0.06	19.47	17.16	0.04	17.12	0.04
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	150	7.70	33.88		0.06	40.07	31.00	0.04	30.96	0.02
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	735	4.30	34.28	3.33	0.08	101.95	43.74	0.00	43.74	0.01
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	861	4.00	34.35	3.34	0.07		44.50	0.00	44.50	
W9911A	11/04/99	16:56	8	NH-65	44.65	-125.6	1005	3.60	34.42	3.36	0.07		44.65	0.00	44.65	
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	2	12.20	32.59	0.44	0.20	1.23	1.71	0.15	1.56	0.70
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	10	12.20	32.59	0.44	0.23	1.25	1.79	0.15	1.64	0.73
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	20	12.20	32.59	0.44	0.20	1.50	1.72	0.15	1.57	0.72
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	29	12.20	32.60	0.46	0.25	1.52	2.10	0.15	1.95	0.67
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	39	12.10	32.61	0.65	0.19	4.05	4.81	0.20	4.61	0.35
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	50	9.80	32.82	0.86	0.04	7.95	8.33	0.06	8.28	0.12
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	100	8.30	33.38	1.80	0.05	26.95	23.71	0.04	23.67	0.03
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	150	7.80	33.88	2.16	0.05	39.59	29.24	0.00	29.24	0.02
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	780	4.20	34.31	3.35	0.06	102.65	44.11	0.00	44.11	
W9911A	11/04/99	14:10	7	NH-85	44.65	-126.05	1006	3.60	34.42	3.37	0.07		44.56	0.00	44.56	
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	1	9.70	31.69	0.86	0.12	16.56	7.83	0.33	7.49	0.85
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	5	9.70	31.80	0.86	0.10	16.33	7.90	0.34	7.56	0.83
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	10	9.70	31.80	0.85	0.13	16.32	7.83	0.33	7.50	0.79
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	15	9.70	31.79	0.86	0.12	16.31	7.83	0.33	7.50	0.76
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	20	9.70	31.80	0.85	0.07	16.52	7.90	0.32	7.58	0.72
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	25	9.70	31.85	0.86	0.07	16.29	7.83	0.32	7.50	0.74
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	30	9.70	31.86	0.86	0.13	16.06	7.75	0.32	7.44	0.73
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	40	9.70	31.95	0.85	0.15	15.39	7.60	0.32	7.28	0.76
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	50	9.80	32.04	0.86	0.00	14.71	7.53	0.32	7.21	0.74
W0002A	02/01/00	21:39	2	NH-05	44.65	-124.18	52	9.80	32.05	0.82	0.00	14.69	7.53	0.30	7.23	0.78

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	1	10.00	32.69	0.86	0.00	12.71	8.20	0.35	7.85	0.47
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	10	10.00	32.68	0.85	0.00	12.70	8.20	0.35	7.85	0.46
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	20	10.00	32.69	0.86	0.00	12.91	8.20	0.35	7.85	0.43
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	30	10.00	32.69	0.86	0.00	12.90	8.20	0.34	7.85	0.43
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	40	10.00	32.68	0.86	0.00	12.89	8.27	0.34	7.92	0.43
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	50	10.00	32.68	0.85	0.00	12.88	8.27	0.35	7.91	0.44
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	60	10.00	32.68	0.86	0.00	12.86	8.27	0.34	7.93	0.44
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	70	10.00	32.69	0.86	0.00	12.85	8.27	0.36	7.91	0.44
W0002A	02/02/00	1:50	4	NH-15	44.65	-124.41	85	10.00	32.68	0.86	0.00	12.84	8.34	0.35	7.99	0.48
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	1	9.90	32.65	0.82	0.00	10.88	7.64	0.31	7.33	0.80
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	10	9.90	32.65	0.82	0.00	10.88	7.72	0.30	7.41	0.84
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	20	9.90	32.65	0.82	0.00	10.88	7.72	0.30	7.41	0.80
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	25	9.90	32.66	0.82	0.00	11.11	7.64	0.30	7.35	0.70
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	30	10.00	32.67	0.82	0.00	10.88	7.64	0.31	7.33	0.73
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	40	10.00	32.68	0.80	0.00	10.65	7.64	0.30	7.34	0.71
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	50	10.00	32.68	0.88	0.00	11.33	8.38	0.27	8.11	0.49
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	70	9.50	33.20	1.37	0.00	18.39	16.20	0.03	16.17	0.08
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	100	9.00	33.49	1.70	0.00	24.99	21.59	0.01	21.58	0.03
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	150	8.30	33.86	2.09	0.00	36.14	28.45	0.00	28.45	0.02
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	200	7.70	33.95	2.30	0.00	43.19	30.88	0.02	30.86	0.01
W0002A	02/03/00	2:09	14	NH-25	44.65	-124.65	275	6.90	33.99	2.48	0.00	53.21	33.54	0.01	33.53	0.01
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	2	9.90	32.65	0.77	0.00	9.97	6.89	0.20	6.69	0.74
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	10	9.90	32.65	0.77	0.00	9.74	6.89	0.21	6.68	0.73
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	20	9.90	32.64	0.77	0.00	9.74	6.82	0.21	6.61	0.74
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	29	9.80	32.64	0.75	0.00	9.51	6.68	0.18	6.50	0.72
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	41	9.80	32.65	0.76	0.00	9.51	6.68	0.18	6.50	0.68
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	50	9.80	32.65	0.75	0.00	9.29	6.46	0.16	6.30	0.65
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	61	9.70	32.65	0.75	0.00	9.06	6.31	0.14	6.18	0.47
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	70	9.40	33.21	1.34	0.00	17.93	15.76	0.00	15.76	0.06
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	101	8.80	33.64	1.90	0.00	29.77	24.98	0.00	24.98	0.02
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	150	8.20	33.87	2.15	0.00	36.60	28.97	0.00	28.97	0.02
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	314	6.60	34.01	2.56	0.00	56.85	34.87	0.00	34.87	0.01
W0002A	02/03/00	0:32	13	NH-35	44.65	-124.88	425	5.90	34.03	2.77	0.00	67.09	37.82	0.00	37.82	0.01
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	1	9.70	32.67	0.71	0.05	9.45	5.56	0.13	5.43	0.68
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	10	9.70	32.67	0.71	0.05	9.42	5.64	0.13	5.50	0.64
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	20	9.70	32.67	0.73	0.06	9.38	5.64	0.13	5.50	0.70
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	30	9.70	32.67	0.72	0.06	9.35	5.56	0.13	5.43	0.72
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	40	9.70	32.67	0.72	0.07	9.55	5.64	0.14	5.50	0.65
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	50	9.70	32.67	0.74	0.10	9.51	5.71	0.14	5.57	0.68
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	60	9.70	32.67	0.73	0.13	9.71	5.71	0.14	5.57	0.69
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	70	9.70	32.67	0.74	0.09	10.14	5.86	0.14	5.73	0.59
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	100	9.00	33.59	1.85	0.15	28.71	23.74	0.00	23.74	0.02
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	150	8.00	33.90	2.24	0.03	61.95	29.80	0.00	29.80	0.01
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	500	5.10	34.12	3.13	0.04	83.32	41.92	0.00	41.92	0.01
W0002A	02/02/00	22:25	12	NH-45	44.65	-125.12	689	4.40	34.27	3.31	0.09	101.89	43.58	0.00	43.58	0.00
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	2	9.40	32.63	0.75	0.07	9.85	5.85	0.15	5.70	0.54
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	6	9.40	32.63	0.74	0.08	9.82	5.85	0.15	5.70	0.55
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	11	9.40	32.63	0.74	0.08	9.79	5.86	0.15	5.71	0.58
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	20	9.40	32.63	0.74	0.09	9.76	5.86	0.15	5.71	0.52
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	31	9.40	32.63	0.74	0.09	9.73	5.78	0.15	5.64	0.46
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	39	9.40	32.63	0.74	0.13	9.93	5.86	0.14	5.72	0.46

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	49	9.40	32.63	0.74	0.17	10.13	5.94	0.14	5.80	0.44
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	70	9.40	32.65	0.76	0.11	10.79	6.32	0.14	6.18	0.39
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	101	8.30	33.62	1.93	0.09	30.06	25.48	0.00	25.48	0.02
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	150	7.70	33.92	2.26	0.08	41.20	30.71	0.00	30.71	0.01
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	802	4.10	34.33	3.19	0.07		44.27	0.00	44.27	0.01
W0002A	02/02/00	17:31	10	NH-65	44.65	-125.6	999	3.60	34.41	3.37	0.07		44.34	0.00	44.35	0.01
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	3	9.30	32.64	0.76	0.20	11.04	6.29	0.12	6.17	0.50
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	10	9.30	32.65	0.75	0.11	11.02	6.29	0.13	6.17	0.50
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	20	9.40	32.65	0.74	0.11	10.99	6.30	0.14	6.15	0.55
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	30	9.40	32.65	0.77	0.11	10.97	6.00	0.14	5.86	0.56
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	42	9.40	32.66	0.75	0.11	10.95	6.08	0.13	5.95	0.58
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	45	9.40	32.66	0.75	0.12	10.92	6.08	0.13	5.95	0.59
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	50	9.40	32.66	0.75	0.12	10.90	6.09	0.13	5.96	0.54
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	69	9.30	32.75	0.94	0.12	13.45	9.32	0.10	9.22	0.25
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	100	8.30	33.63	1.97	0.05	31.95	25.99	0.00	25.99	0.01
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	152	7.80	33.89	2.26	0.06	41.07	30.49	0.00	30.49	0.01
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	900	3.80	34.39	3.34	0.06		44.76	0.00	44.76	0.00
W0002A	02/02/00	14:32	9	NH-85	44.65	-126.05	1000	3.50	34.43	3.35	0.07		44.69	0.00	44.69	0.01
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	2	11.07	32.26	0.19	0.09	4.90	0.02	0.00	0.01	8.99
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	5	10.81	32.29	0.31	0.10	8.88	1.15	0.05	1.10	6.20
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	10	9.91	32.42	0.72	0.19	14.04	6.10	0.15	5.96	8.11
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	15	9.19	32.87	1.29	0.34	22.71	13.09	0.23	12.86	5.92
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	20	8.85	33.14	1.52	0.16	27.61	17.07	0.23	16.85	1.10
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	26	8.72	33.34	1.66	0.08	30.40	19.48	0.16	19.32	0.40
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	30	8.51	33.55	1.88	0.06	34.36	22.86	0.09	22.77	0.28
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	41	8.19	33.77	2.15	0.05	39.26	27.67	0.02	27.64	0.20
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	43	8.16	33.78	2.19	0.09	39.47	28.27	0.01	28.27	0.16
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	50	7.81	33.85	2.34	0.09	48.59	30.30	0.10	30.20	0.30
W0004B	04/12/00	1:03	4	NH-05	44.65	-124.18	55	7.81	33.85	2.36	0.10	48.34	30.08	0.12	29.96	0.36
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	2	11.12	29.61	0.10	0.00	13.73	0.28	0.00	0.28	0.40
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	5	10.88	30.25	0.15	0.00	12.62	0.28	0.00	0.28	0.75
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	10	10.23	31.53	0.42	0.00	9.16	1.38	0.00	1.38	4.56
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	15	9.52	32.53	0.69	0.00	9.47	4.74	0.28	4.46	5.31
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	20	9.37	32.59	0.74	0.00	10.25	5.99	0.38	5.61	1.00
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	30	9.22	32.61	0.76	0.21	10.55	5.75	0.33	5.42	0.53
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	35	9.12	32.62	0.74	0.22	10.15	5.52	0.30	5.22	0.33
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	41	9.04	32.62	0.77	0.01	10.22	6.06	0.40	5.67	0.34
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	50	8.99	32.63	0.78	0.00	10.29	6.38	0.39	5.98	0.25
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	61	9.08	32.80	0.99	0.00	13.89	9.89	0.00	9.89	0.16
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	70	9.15	33.06	1.23	0.00	17.73	13.56	0.00	13.56	0.10
W0004B	04/12/00	10:45	5	NH-15	44.65	-124.41	86	8.50	33.62	1.88	0.00	31.22	23.48	0.00	23.48	0.05
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	2	11.25	29.43	0.10	0.08	14.08	0.09	0.00	0.09	0.36
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	10	10.43	31.18	0.33	0.08	10.58	0.70	0.03	0.66	1.03
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	21	9.79	32.44	0.67	0.27	10.81	4.70	0.47	4.22	0.82
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	30	9.77	32.56	0.77	0.27	11.04	6.21	0.43	5.78	0.56
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	40	9.69	32.64	0.77	0.18	11.04	6.36	0.39	5.97	0.32
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	50	9.65	32.67	0.78	0.11	11.04	6.51	0.36	6.15	0.22
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	70	9.00	32.69	0.80	0.28	11.28	6.44	0.36	6.08	0.14
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	101	9.05	33.14	1.44	0.03	22.49	16.48	0.00	16.48	0.06
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	151	8.24	33.93	2.44	0.04	47.71	32.26	0.03	32.24	0.02
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	201	6.89	33.98	2.57	0.04	54.48	34.45	0.05	34.40	0.02
W0004B	04/12/00	13:46	7	NH-25	44.65	-124.65	289	6.05	34.03	2.77	0.08	64.06	36.79	0.02	36.77	0.01

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	1	11.26	29.92	0.11	0.07	12.21	0.09	0.00	0.09	0.00
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	10	10.43	31.36	0.36	0.08	9.64	0.47	0.00	0.47	0.02
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	15	9.96	32.22	0.48	0.07	10.34	1.83	0.10	1.73	0.03
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	20	9.83	32.40	0.63	0.10	10.81	4.40	0.41	3.99	0.10
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	31	9.77	32.55	0.74	0.10	10.81	5.91	0.58	5.33	0.06
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	40	9.69	32.61	0.73	0.37	10.58	5.15	0.34	4.82	0.03
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	50	9.65	32.67	0.73	0.45	10.34	5.00	0.19	4.81	0.01
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	70	9.00	32.62	0.82	0.32	11.74	6.59	0.39	6.20	0.01
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	100	9.07	33.38	1.58	0.08	23.19	18.87	0.00	18.87	0.01
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	150	8.25	33.85	2.13	0.00	36.37	28.58	0.00	28.58	0.00
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	400	5.59	34.08							0.00
W0004B	04/12/00	15:55	8	NH-35	44.65	-124.88	445	5.46	34.10	3.03	0.07	79.01	39.74	0.00	39.74	0.01
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	2	11.02	31.57	0.25	0.08	8.03	0.22	0.00	0.22	0.31
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	10	10.62	31.83	0.30	0.07	8.26	0.30	0.00	0.30	0.40
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	11	10.37	32.01	0.42	0.13	9.67	1.43	0.12	1.31	0.81
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	20	10.09	32.39	0.52	0.20	9.91	2.49	0.20	2.28	0.78
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	31	9.76	32.67	0.52	0.30	8.50	2.11	0.03	2.08	0.71
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	40	9.65	32.70	0.62	0.43	9.20	3.54	0.04	3.50	0.42
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	50	9.56	32.70	0.71	0.47	10.14	4.82	0.13	4.69	0.31
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	70	9.26	32.79	0.77	0.34	10.61	5.80	0.18	5.62	0.15
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	101	8.58	33.33	1.62	0.09	24.59	20.18	0.00	20.18	0.05
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	151	8.21	33.81	2.10	0.07	34.87	27.73	0.00	27.73	0.01
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	500	5.00	34.16	3.18	0.04	85.78	42.00	0.00	42.00	0.01
W0004B	04/12/00	18:56	9	NH-45	44.65	-125.12	580	4.67	34.22	3.25	0.08	87.88	42.76	0.00	42.76	0.01
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	1	11.29	31.84	0.26	0.11		0.18	0.00	0.18	0.32
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	10	10.98	32.04	0.31	0.11		0.26	0.00	0.26	0.55
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	19	10.27	32.51	0.48	0.13		1.84	0.00	1.84	0.82
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	25	10.03	32.66	0.58	0.28		2.97	0.00	2.97	0.68
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	29	10.05	32.69	0.64	0.29		3.87	0.00	3.87	0.63
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	40	10.03	32.73	0.70	0.43		4.85	0.04	4.81	0.30
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	50	9.70	32.71	0.74	0.57		5.45	0.02	5.43	0.22
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	70	9.52	32.77	0.93	0.10		8.76	0.10	8.66	0.10
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	100	9.03	33.22	1.67	0.02		20.63	0.00	20.63	0.03
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	150	8.34	33.76	2.15	0.02	36.45	28.74	0.00	28.74	0.02
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	300	6.46	34.00	2.62	0.03	57.35	35.57	0.00	35.57	0.01
W0004B	04/13/00	1:11	11	NH-65	44.65	-125.6	830	4.09	34.33	3.28	0.06	110.43	43.91	0.00	43.91	0.01
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	1	11.02	32.67	0.43	0.00	6.81	1.77	0.00	1.77	0.72
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	10	10.74	32.66	0.46	0.00	7.52	2.08	0.00	2.08	0.69
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	13	10.48	32.68	0.50	0.00	7.52	2.55	0.00	2.55	0.62
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	20	10.18	32.69	0.60	0.00	7.99	3.95	0.00	3.95	0.29
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	30	9.90	32.69	0.62	0.16	7.99	4.11	0.00	4.11	0.29
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	40	9.33	32.68	0.65	0.07	8.06	4.42	0.00	4.42	0.28
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	50	9.15	32.67	0.66	0.18	8.13	4.74	0.00	4.74	0.25
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	90	8.76	32.76	0.70	0.13	8.44	5.05	0.00	5.05	0.19
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	100	8.62	32.93	1.07	0.00	13.68	11.61	0.04	11.57	0.08
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	150	8.07	33.79	2.08	0.00	34.70	28.01	0.00	28.01	0.01
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	849	3.81	34.33	3.35	0.00		44.40	0.00	44.40	0.00
W0004B	04/13/00	4:02	12	NH-85	44.65	-126.05	1005	3.45	34.40	3.31	0.08		44.33	0.00	44.33	0.00
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	2	11.50	30.35	0.18	0.07	11.62	0.12	0.00	0.12	0.60
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	5	11.45	30.47	0.16	0.00	10.15	0.22	0.00	0.22	0.77
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	10	10.95	31.19	0.29	0.08	6.11	0.50	0.01	0.49	1.28

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	15	10.58	31.91	0.94	0.66	13.46	7.45	0.23	7.22	4.09
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	20	9.28	33.04	1.43	0.23	21.56	15.80	0.30	15.50	0.60
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	25	9.05	33.26	1.68	0.00	27.44	20.31	0.28	20.03	0.34
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	30	8.87	33.42	1.86	0.00	30.39	23.44	0.04	23.39	0.20
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	40	8.47	33.63	2.06	0.04	37.01	26.48	0.08	26.40	0.30
W0004B	04/16/00	18:45	39	HH-01	44.00	-124.2	49	8.31	33.71	2.13	0.00	39.95	28.22	0.08	28.14	0.26
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	2	11.54	30.26	0.11	0.00	10.15	0.00	0.00	0.00	0.41
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	5	11.52	30.26	0.11	0.22	9.79	0.00	0.00	0.00	0.44
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	10	11.43	30.31	0.13	0.00	9.05	0.02	0.00	0.02	0.52
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	15	10.77	32.13	0.55	0.74	6.84	2.74	0.06	2.67	1.31
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	20	10.02	32.93	1.13	1.41	14.57	9.85	0.20	9.65	0.59
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	30	8.76	33.47	1.95	1.13	32.23	23.24	0.23	23.01	0.24
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	40	8.43	33.67	2.05	0.28	35.17	26.53	0.09	26.43	0.06
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	50	8.31	33.71	2.12	0.49	37.38	27.69	0.12	27.57	0.09
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	60	7.93	33.80	2.31	0.31	44.00	30.33	0.12	30.21	0.12
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	70	7.80	33.91	2.33	0.04	42.89	31.08	0.09	30.99	0.08
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	100	7.24	33.98	2.48	0.04	52.09	32.98	0.12	32.86	0.08
W0004B	04/16/00	20:12	40	HH-02	44.00	-124.4	115	7.20	33.98	2.48	0.21	52.09	33.01	0.13	32.88	0.09
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	1	11.37	30.46	0.15	0.00	9.79	0.30	0.00	0.30	0.49
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	10	10.97	31.61	0.30	0.17	7.58	1.07	0.02	1.05	1.29
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	15	10.62	32.62	0.67	0.71	10.52	4.28	0.11	4.16	1.29
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	20	10.13	32.80	0.99	1.02	13.46	8.54	0.19	8.35	0.89
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	30	9.25	33.14	1.55	0.19	23.76	17.86	0.33	17.54	0.58
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	40	8.86	33.40	1.84	0.18	30.02	22.87	0.28	22.59	0.35
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	50	8.45	33.66	2.10	0.12	36.27	26.81	0.23	26.58	0.18
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	60	8.20	33.74	2.23	0.13	39.95	28.31	0.29	28.01	0.19
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	71	7.97	33.82	2.16	0.04	43.26	29.64	0.24	29.40	0.19
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	100	7.31	33.91	2.40	0.03	47.31	31.14	0.17	30.97	0.12
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	145	6.71	34.01	2.68	0.38	62.76	34.26	0.14	34.12	0.16
W0004B	04/16/00	22:21	41	HH-03	44.00	-124.6	150	6.71	34.01	2.66	0.28	62.76	34.29	0.12	34.18	0.17
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	2	11.58	30.10	0.09	0.00	11.74	0.35	0.00	0.35	0.34
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	5	10.76	31.22	0.12	0.00	11.36	0.26	0.00	0.26	0.42
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	10	10.06	32.48	0.39	0.00	9.17	0.72	0.00	0.72	1.32
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	16	9.88	32.62	0.48	0.00	9.52	1.80	0.03	1.77	1.55
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	20	9.69	32.66	0.56	0.17	10.97	3.28	0.12	3.16	1.45
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	30	9.46	32.67	0.70	0.00	10.60	5.46	0.33	5.13	0.95
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	40	9.32	32.70	0.79	0.11	10.95	6.47	0.30	6.17	0.25
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	50	9.22	32.81	0.93	0.00	13.13	9.12	0.17	8.95	0.16
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	60	9.11	33.13	1.38	0.00	21.87	16.15	0.06	16.09	0.10
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	70	8.90	33.36	1.65	0.00	26.97	20.36	0.10	20.27	0.06
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	95	7.85	33.76	2.28	0.00	47.01	29.27	0.20	29.07	0.04
W0004B	04/17/00	0:54	42	HH-04	44.00	-124.8	100	7.65	33.81	2.34	0.00	48.82	29.81	0.20	29.61	0.04
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	1	11.10	32.11	0.28	0.00	6.89	0.00	0.00	0.00	0.55
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	10	10.84	32.30	0.40	0.00	7.84	0.75	0.10	0.65	1.13
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	15	10.75	32.32	0.56	0.07	8.56	2.84	0.30	2.54	1.21
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	20	9.92	32.52	0.64	0.26	9.29	3.98	0.36	3.62	1.03
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	30	9.86	32.58	0.70	0.29	10.24	4.65	0.35	4.31	0.72
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	40	9.79	32.70	0.73	0.21	10.26	5.17	0.41	4.76	0.36
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	50	9.65	32.74	0.73	0.12	10.51	5.84	0.38	5.46	0.22
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	70	9.35	33.00	1.03	0.00	15.46	10.91	0.12	10.79	0.10
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	100	8.87	33.47	1.82	0.00	29.32	22.47	0.00	22.47	0.03
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	150	7.39	33.92	2.47	0.16	48.58	32.23	0.11	32.12	0.04

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	195	7.16	33.97	2.47	0.16	51.88	33.46	0.07	33.39	0.03
W0004B	04/17/00	4:00	43	HH-05	44.00	-125.	500	5.45	34.11	2.97	0.00	79.36	39.77	0.00	39.77	0.01
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	1	11.20	32.28	0.25	0.03	4.73	0.43	0.00	0.43	0.36
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	10	11.19	32.28	0.26	0.03	4.81	0.44	0.00	0.44	0.43
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	20	10.58	32.33	0.37	0.03	4.90	1.06	0.00	1.06	0.81
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	28	10.38	32.62	0.52	0.62	11.08	3.70	0.10	3.60	0.63
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	30	10.34	32.71	0.64	0.58	8.12	3.96	0.13	3.84	0.71
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	40	10.20	32.77	0.66	0.76	8.43	4.58	0.20	4.39	0.71
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	50	9.97	32.73	0.66	0.70	8.73	5.03	0.35	4.68	0.38
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	70	9.92	32.92	0.84	0.00	11.43	8.55	0.07	8.47	0.15
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	100	9.13	33.48	1.33	0.00	22.84	19.18	0.00	19.18	0.06
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	150	8.28	33.85	2.10	0.00	37.74	28.59	0.00	28.59	0.03
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	900	3.92	34.37	3.21	0.04	128.62	43.35	0.00	43.35	0.01
W0004B	04/17/00	5:53	44	HH-07	44.00	-125.2	1005	3.69	34.41		0.04	131.11	43.70	0.00	43.70	0.01
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	1	11.41	32.57	0.25	0.00	0.91	0.00	0.00	0.00	0.31
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	10	11.41	32.57	0.25	0.01	0.94	0.00	0.00	0.00	0.35
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	20	11.41	32.71	0.24	0.04		0.00	0.00	0.00	0.31
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	30	11.14	32.83	0.33	0.37	0.35	0.00	0.00	0.00	0.23
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	35	11.08	32.84	0.36	0.62	0.61	0.00	0.00	0.00	0.24
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	40	10.99	32.85	0.39	0.89	0.86	0.12	0.00	0.12	0.24
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	50	10.68	32.84	0.44	1.11	1.55	0.72	0.00	0.72	0.25
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	70	9.66	32.81	0.67	0.84	7.68	4.75	0.04	4.71	0.38
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	100	9.34	33.27	1.17	0.00	18.38	15.45	0.00	15.45	0.12
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	150	8.21	33.81	2.02	0.00	35.83	28.26	0.00	28.26	0.02
W0004B	04/17/00	7:54	45	HH-09	44.00	-125.4	1005	3.70	34.41	3.24			44.32	0.00	44.32	0.01
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	1	10.30	32.79	0.87	0.00	18.55	7.73	0.12	7.61	2.70
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	4	10.30	32.79	0.84	0.12	18.18	7.48	0.12	7.36	2.51
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	7	10.21	32.83	0.94	0.18	18.90	8.72	0.12	8.60	1.87
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	10	9.68	33.06	1.00	0.11	20.71	10.04	0.12	9.92	1.56
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	15	9.13	33.31	1.44	0.48	26.90	16.29	0.17	16.12	1.18
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	20	8.70	33.57	1.65	0.00	30.18	19.88	0.18	19.69	1.01
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	25	8.50	33.64	1.96	0.01	35.90	24.99	0.16	24.83	0.56
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	30	8.40	33.69	2.07	0.17	40.32	26.81	0.16	26.65	0.65
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	40	8.30	33.71	2.12	0.33	42.53	27.65	0.16	27.49	0.53
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	45	8.14	33.76	2.20	0.25	44.00	28.90	0.17	28.73	0.45
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	49	8.13	33.76	2.22	0.40	44.37	29.17	0.18	28.99	0.41
W0004B	04/13/00	16:50	15	FM-03	43.22	-124.5	55	8.12	33.77	2.23	0.41	44.73	29.20	0.16	29.04	0.48
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	2	10.22	32.90	1.03	0.41	21.88	10.06	0.13	9.94	1.56
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	5	10.22	32.90	1.03	0.42	21.88	10.15	0.12	10.03	1.47
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	11	9.49	33.18	1.35	0.40	26.52	15.27	0.14	15.13	1.15
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	16	9.09	33.38	1.65	0.37	31.17	19.87	0.18	19.70	0.69
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	20	8.99	33.43	1.91	0.23	35.47	23.80	0.20	23.60	0.44
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	30	8.32	33.73	2.13	0.14	39.76	27.64	0.16	27.48	0.12
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	40	8.10	33.85	2.24	0.09	42.98	29.26	0.16	29.10	0.08
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	51	8.01	33.90	2.26	0.13	42.26	29.78	0.04	29.73	0.02
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	60	7.79	33.92	2.35	0.12	46.19	30.98	0.07	30.90	0.05
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	70	7.55	33.93	2.39	0.25	47.62	31.24	0.11	31.13	0.06
W0004B	04/13/00	14:03	13	FM-04	43.22	-124.58	80	7.54	33.93	2.40	0.23	49.06	31.33	0.12	31.21	0.07
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	2	10.73	31.83	0.26	0.07	9.72	0.56	0.00	0.56	0.67
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	10	10.71	31.82	0.32	0.30	9.72	0.73	0.00	0.73	0.84
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	21	10.20	32.34	0.68	0.59	14.01	4.81	0.07	4.74	1.00

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	24	9.99	32.53	0.91	0.98	17.58	8.22	0.12	8.09	0.96
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	30	9.36	32.98	1.35	0.62	24.74	14.87	0.21	14.65	0.66
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	41	8.99	33.39	1.71	0.52	36.54	21.00	0.19	20.82	0.59
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	49	8.50	33.60	2.02	0.30	37.97	25.86	0.15	25.72	0.24
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	60	8.29	33.76	2.11	0.12	39.04	27.15	0.09	27.06	0.08
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	70	8.18	33.83	2.18	0.14	39.76	28.69	0.05	28.64	0.02
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	100	7.45	33.94	2.40	0.22	50.49	32.10	0.09	32.01	0.07
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	124	7.33	33.95	2.45	0.21	50.84	32.53	0.10	32.44	0.08
W0004B	04/13/00	18:44	16	FM-05	43.22	-124.67	153	7.15	33.98	2.50	0.50	53.35	32.96	0.09	32.87	0.05
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	2	10.70	32.36	0.38	0.00	6.81	0.91	0.00	0.91	0.68
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	10	10.70	32.35	0.39	0.00	6.81	0.99	0.00	0.99	1.33
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	15	10.64	32.37	0.39	0.00	7.28	1.07	0.00	1.07	1.27
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	20	10.42	32.46	0.43	0.15	7.52	1.61	0.00	1.61	1.27
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	30	10.04	32.55	0.60	0.00	8.93	4.11	0.14	3.97	0.94
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	40	9.64	32.67	0.77	0.00	10.58	6.69	0.31	6.38	0.70
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	50	9.54	32.83	0.80	0.17	10.58	7.08	0.21	6.86	0.24
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	70	9.12	33.35	1.50	0.00	21.87	17.93	0.00	17.93	0.06
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	100	8.56	33.74	2.08	0.00	33.64	27.22	0.00	27.22	0.02
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	150	7.59	33.95	2.32	0.00	42.11	31.21	0.00	31.21	0.02
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	300	6.38	34.05	2.71	0.00	60.94	35.97	0.00	35.97	0.01
W0004B	04/13/00	22:35	18	FM-07	43.22	-124.83	335	6.19	34.06	2.79	0.00	64.47	36.83	0.00	36.83	0.01
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	1	11.31	32.42	0.32	0.16	4.71	0.51	0.00	0.51	0.32
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	10	11.30	32.42	0.33	0.23	5.78	0.59	0.00	0.59	0.41
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	21	10.14	32.54	0.58	0.14	11.15	3.82	0.13	3.69	1.07
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	25	9.95	32.60	0.68	0.55	11.15	4.76	0.17	4.59	0.95
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	30	9.99	32.71	0.69	0.53	11.15	4.24	0.09	4.15	0.62
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	41	9.87	32.71	0.71	0.61	11.50	4.84	0.12	4.72	0.43
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	51	9.75	32.72	0.72	0.67	11.50	5.18	0.15	5.03	0.27
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	70	9.71	32.94	1.10	0.14	17.58	12.07	0.05	12.02	0.09
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	101	8.74	33.57	1.81	0.01	29.74	23.56	0.00	23.57	0.04
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	150	8.13	33.87	2.29	0.05	45.84	30.71	0.05	30.66	0.04
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	800	4.14	34.33	3.33	0.07		44.17	0.00	44.17	0.01
W0004B	04/14/00	1:58	19	FM-08	43.22	-125.	1005	3.61	34.42	3.31	0.12		44.16	0.00	44.16	0.01
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	1	11.51	32.67	0.31	0.66	3.46	0.46	0.00	0.46	0.53
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	10	11.50	32.68	0.30	0.11	3.49	0.45	0.00	0.45	0.52
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	20	11.29	32.71	0.33	0.11	3.53	0.87	0.00	0.87	0.62
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	25	11.06	32.72	0.34	0.18	3.56	0.85	0.00	0.85	0.53
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	30	11.00	32.72	0.36	0.16	3.59	1.19	0.00	1.19	0.81
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	40	10.95	32.73	0.41	0.67	4.12	1.63	0.00	1.63	0.79
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	50	10.82	32.76	0.47	0.78	5.07	2.25	0.02	2.23	0.25
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	70	10.40	32.84	0.62	0.87	6.25	4.54	0.06	4.48	0.20
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	100	9.53	33.32	1.32	0.00	18.75	16.32	0.00	16.32	0.07
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	150	8.36	33.78	2.06	0.00	35.82	27.83	0.00	27.83	0.02
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	900	3.90	34.37	3.28	0.01		44.26	0.00	44.26	0.00
W0004B	04/14/00	4:00	20	FM-09	43.22	-125.17	1005	3.69	34.41	3.59	0.04		44.27	0.00	44.27	0.01
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	1	10.94	31.60	0.71	0.27	45.58	4.11	0.12	3.99	6.57
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	6	10.14	32.83	1.14	0.75	43.03	10.84	0.18	10.66	6.05
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	9	9.79	33.18	1.33	0.73	43.90	14.17	0.13	14.04	6.27
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	15	9.79	33.29	1.42	0.43	45.91	16.09	0.13	15.95	2.69
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	19	9.69	33.36	1.41	0.57	45.93	16.17	0.13	16.04	2.92
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	20	9.69	33.36	1.40	0.61	45.94	16.09	0.13	15.96	2.96
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	25	9.24	33.49	1.58	1.03	47.10	18.09	0.14	17.96	2.94

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/16/00	2:12	35	RR-01	42.50	-124.5	30	8.96	33.61	1.69	1.16	49.11	19.84	0.15	19.69	2.40
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	1	10.66	32.60	0.48	0.00	13.35	3.25	0.11	3.14	3.53
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	5	10.66	32.61	1.01	0.46	21.99	10.96	0.17	10.79	8.57
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	11	9.98	33.02	1.32	1.43	27.63	15.80	0.17	15.63	3.20
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	11	9.98	33.02	1.39	0.30	28.77	17.24	0.18	17.06	2.13
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	22	9.63	33.46	1.55	0.68	30.77	19.65	0.17	19.48	0.96
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	31	9.16	33.60	1.50	1.38	29.76	19.20	0.15	19.05	0.60
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	34	9.13	33.61	1.69	0.73	34.11	22.07	0.16	21.90	0.64
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	39	9.08	33.63	1.70	0.57	33.96	22.06	0.16	21.90	0.61
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	52	8.98	33.66	1.76	0.73	34.89	22.96	0.16	22.80	0.45
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	61	8.60	33.75	1.91	1.08	37.09	25.28	0.16	25.13	0.33
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	70	8.39	33.80	1.98	1.16	39.09	26.36	0.16	26.19	0.57
W0004B	04/16/00	3:23	36	RR-02	42.50	-124.6	81	8.24	33.81	2.05	1.38	40.01	26.62	0.20	26.42	1.18
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	1	11.14	32.45	0.35	0.07	30.01	0.57	0.00	0.57	0.45
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	5	11.08	32.44	0.39	0.27	30.59	0.82	0.00	0.82	0.50
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	11	10.52	32.50	0.55	0.56	31.75	2.90	0.10	2.80	0.84
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	15	9.99	32.64	0.75	0.24	32.90	5.98	0.36	5.62	0.89
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	20	9.68	32.79	0.96	0.11	35.20	9.31	0.27	9.04	0.51
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	30	9.52	33.05	1.32	0.06	40.35	15.05	0.08	14.97	0.29
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	40	9.14	33.36	1.09	0.26	37.51	11.73	0.05	11.67	0.73
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	50	9.14	33.41	1.55	0.80	45.80	18.30	0.11	18.19	1.06
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	61	9.23	33.56	1.62	1.15	48.09	18.80	0.12	18.68	1.81
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	70	9.08	33.66	1.81	1.01	51.82	22.21	0.12	22.09	0.42
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	116	8.04	33.87	2.22	0.62	57.54	28.61	0.11	28.50	0.41
W0004B	04/16/00	6:11	37	RR-03	42.50	-124.7	122	8.04	33.87	2.22	0.60	57.55	28.62	0.12	28.49	0.43
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	1	11.59	32.55	0.33	0.17	5.05	0.59	0.00	0.59	0.38
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	10	11.22	32.55	0.34	0.05	4.70	0.51	0.00	0.51	0.45
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	20	10.76	32.58	0.49	0.31	6.90	2.54	0.07	2.47	0.53
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	25	10.20	32.71	0.67	0.64	7.65	4.88	0.18	4.70	0.39
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	30	10.03	32.75	0.69	0.62	8.39	5.34	0.25	5.09	0.31
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	40	9.74	32.73	0.74	0.41	9.13	6.28	0.29	5.99	0.17
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	50	9.75	32.92	0.99	0.00	12.79	10.50	0.15	10.35	0.10
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	70	9.17	33.39	1.53	0.09	22.29	19.34	0.01	19.33	0.05
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	100	8.22	33.79	1.74	0.16	26.31	22.46	0.01	22.45	0.03
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	150	7.75	33.92	2.09	0.33	39.09	27.54	0.12	27.42	0.28
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	500	5.58	34.14		0.40			0.15		0.23
W0004B	04/15/00	22:58	34	RR-04	42.50	-124.8	1005				0.00			0.00		0.01
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	2	11.32	32.57	0.32	0.04	28.17	0.40	0.00	0.40	0.25
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	10	11.24	32.62	0.35	0.08	27.90	0.40	0.00	0.40	0.37
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	17	11.24	32.63	0.37	0.20	27.62	0.57	0.00	0.57	0.60
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	20	11.25	32.63	0.39	0.23	27.92	0.65	0.00	0.65	0.57
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	30	10.76	32.76	0.51	0.56	29.35	1.98	0.11	1.87	0.35
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	40	10.66	32.82	0.63	0.91	29.65	3.64	0.12	3.53	0.24
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	50	10.58	32.85	0.72	0.51	31.66	5.39	0.25	5.14	0.16
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	70	10.12	32.97	1.02	0.00	32.24	10.87	0.06	10.81	0.06
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	100	8.99	33.54	1.84	0.00	47.65	23.83	0.00	23.83	0.02
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	150	8.05	33.89	2.16	0.13	54.80	29.24	0.00	29.24	0.02
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	960	3.83	34.40	3.36	0.00		44.28	0.00	44.28	0.00
W0004B	04/15/00	20:59	33	RR-06	42.50	-125.	1007	3.74	34.41	3.32	0.00		44.19	0.00	44.19	0.00
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	1	11.41	32.46	0.22	0.00	4.89	0.27	0.01	0.27	0.28
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	10	11.38	32.50	0.23	0.00	4.96	0.37	0.01	0.36	0.36

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	20	11.05	32.55	0.27	0.00	4.60	0.37	0.02	0.35	0.61
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	30	10.83	32.60	0.35	0.35	5.09	1.18	0.05	1.13	0.66
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	32	10.69	32.68	0.44	0.85	5.16	1.99	0.09	1.90	0.43
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	40	10.74	32.82	0.54	1.00	6.94	3.97	0.24	3.73	0.33
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	50	10.75	32.86	0.57	1.36	7.44	4.06	0.16	3.91	0.14
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	70	10.43	32.95	0.79	0.00	11.58	8.64	0.28	8.36	0.12
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	100	9.25	33.45	1.59	0.00	26.45	21.30	0.05	21.24	0.04
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	150	8.29	33.85	2.06	0.00	38.10	29.10	0.03	29.08	0.02
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	440	6.01	34.10	2.87	0.00	78.07	39.87	0.02	39.85	0.01
W0004B	04/15/00	18:47	32	RR-07	42.50	-125.2	1005	3.63	34.42	3.21	0.00		44.54	0.03	44.51	0.00
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	1	10.40	33.17	0.75	0.21	18.33	6.77	0.13	6.63	10.89
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	3	10.38	33.17	0.82	0.00	18.82	7.85	0.14	7.70	8.33
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	5	10.38	33.17	0.86	0.00	19.54	8.84	0.15	8.69	6.32
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	10	10.32	33.18	0.92	0.39	20.89	10.19	0.15	10.04	6.47
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	15	10.07	33.25	1.05	0.07	23.10	12.61	0.16	12.45	5.54
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	20	9.74	33.35	1.06	0.16	23.60	13.42	0.16	13.26	7.42
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	25	9.47	33.40	1.28	0.19	25.86	15.42	0.16	15.26	6.37
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	30	9.07	33.54	1.59	0.11	30.64	21.26	0.14	21.12	1.31
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	33	8.84	33.65	1.73	0.26	32.85	23.42	0.15	23.26	1.14
W0004B	04/14/00	15:54	22	CR-01	41.90	-124.3	36	8.74	33.68	1.74	1.20	34.21	23.42	0.16	23.26	2.26
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	2	11.02	32.42	0.39	0.00	9.48	0.00	0.00	0.00	0.78
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	5	11.02	32.42	0.39	0.00	9.25	0.00	0.00	0.00	0.75
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	10	11.03	32.42	0.39	0.00	9.30	0.00	0.00	0.00	0.83
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	20	10.45	32.72	0.79	0.14	18.12	5.56	0.05	5.51	1.19
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	25	10.39	32.74	0.91	0.19	20.63	7.72	0.08	7.64	0.98
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	30	9.67	32.99	1.10	0.18	20.95	10.47	0.15	10.32	0.75
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	41	9.15	33.32	1.58	0.09	29.22	18.55	0.17	18.38	0.46
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	50	9.04	33.45	1.71	0.16	32.28	20.86	0.15	20.71	0.36
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	61	8.60	33.63	1.95	0.11	38.90	24.76	0.11	24.65	0.20
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	70	8.53	33.66	1.96	0.11	40.05	25.20	0.11	25.09	0.20
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	100	7.90	33.92	2.11	0.16	43.66	28.09	0.03	28.06	0.04
W0004B	04/14/00	13:23	21	CR-03	41.90	-124.5	130	7.74	33.93	2.29	0.57	51.92	30.25	0.14	30.11	0.19
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	2	11.06	32.43	0.25	0.00	7.20	0.40	0.03	0.38	0.89
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	10	11.00	32.44	0.27	0.00	7.27	0.41	0.02	0.39	0.98
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	20	10.97	32.44	0.25	1.66	7.34	0.50	0.03	0.47	0.92
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	25	10.91	32.45	0.33	1.54	8.69	1.49	0.06	1.43	1.11
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	30	10.49	32.59	0.64	0.13	14.12	5.98	0.14	5.84	0.93
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	40	9.77	32.82	1.04	0.25	20.41	12.08	0.25	11.83	0.66
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	50	9.30	33.16	1.42	0.03	27.12	17.90	0.23	17.68	0.54
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	70	8.83	33.57	1.82	0.14	36.19	24.54	0.19	24.35	0.46
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	100	8.27	33.80	2.04	0.00	38.62	28.30	0.08	28.22	0.10
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	150	7.65	33.94	2.19	0.26	44.69	30.81	0.05	30.76	0.05
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	450	5.40	34.15	2.97	0.00	81.00	40.14	0.05	40.09	0.01
W0004B	04/14/00	19:03	24	CR-04	41.90	-124.6	495	5.26	34.17	3.02	0.00	84.72	40.40	0.05	40.35	0.01
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	2	11.31	32.57	0.33	0.00	5.57	0.00	0.00	0.00	0.93
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	10	11.25	32.57	0.32	0.00	6.28	0.00	0.00	0.00	1.13
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	20	11.17	32.57	0.33	0.00	6.51	0.00	0.00	0.00	1.19
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	25	10.96	32.54	0.37	0.00	6.75	0.00	0.00	0.00	1.11
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	30	10.70	32.51	0.62	0.00	8.62	3.31	0.39	2.92	0.67
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	40	10.00	32.65	0.81	0.00	10.75	6.33	0.48	5.85	0.50
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	50	9.61	32.90	1.13	0.00	17.34	11.24	0.22	11.01	0.50
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	70	8.98	33.40	1.62	0.00	26.75	18.88	0.10	18.78	0.30

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	100	8.48	33.74	2.07	0.00	37.09	25.90	0.13	25.77	0.27
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	150	7.71	33.95	2.27	0.00	41.33	29.63	0.00	29.63	0.02
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	500	5.10	34.19	3.19	0.00	77.96	41.12	0.00	41.12	0.00
W0004B	04/14/00	22:53	25	CR-05	41.90	-124.7	650	4.56	34.27	3.29	0.00	101.21	42.19	0.00	42.19	0.01
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	1	11.63	32.59	0.25	0.00	9.02	0.12	0.00	0.12	0.35
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	10	11.52	32.60	0.20	0.22	9.17	0.05	0.00	0.05	0.34
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	15	11.42	32.61	0.28	0.00	9.06	0.13	0.00	0.13	0.45
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	20	11.38	32.61	0.31	0.06	9.21	0.43	0.00	0.43	0.47
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	30	10.98	32.69	0.42	0.07	8.82	1.01	0.01	1.00	0.46
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	40	10.96	32.73	0.52	0.20	8.87	1.73	0.04	1.69	0.46
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	50	10.87	32.74	0.54	0.37	9.46	2.16	0.07	2.09	0.44
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	70	10.71	32.81	0.63	0.23	11.43	3.75	0.26	3.49	0.21
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	100	9.40	33.02	1.14	0.00	19.42	12.56	0.02	12.55	0.10
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	150	8.31	33.82	2.05	0.00	40.29	26.93	0.00	26.93	0.04
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	360	5.85	34.08		0.00	78.42	38.55	0.00	38.55	0.01
W0004B	04/15/00	3:25	27	CR-07	41.90	-125.	500	5.36	34.14	3.15	0.00	91.35	40.87	0.00	40.87	0.01
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	1	11.42	32.60	0.22	0.00	9.21	0.00	0.00	0.00	1.06
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	10	11.42	32.60	0.22	0.00	9.09	0.07	0.00	0.07	1.04
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	20	11.34	32.60	0.28	0.00	8.16	0.44	0.00	0.44	0.80
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	25	11.49	32.60	0.27	0.00	8.04	0.59	0.00	0.59	0.49
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	30	11.42	32.64	0.31	0.07	8.74	1.17	0.04	1.13	0.72
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	40	10.89	32.66	0.37	0.15	10.00	1.90	0.09	1.81	0.62
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	50	10.65	32.63	0.42	0.27	10.15	2.33	0.12	2.21	0.43
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	70	10.71	32.70	0.48	0.41	10.58	3.28	0.17	3.11	0.14
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	100	9.99	33.17	1.00	0.00	18.68	12.45	0.10	12.35	0.10
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	150	8.78	33.76	1.71	0.00	33.09	24.08	0.00	24.08	0.04
W0004B	04/15/00	8:42	29	CR-09	41.90	-125.33	1005	3.66	34.42		0.00		44.45	0.00	44.45	0.00
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	1	11.52	32.68	0.33	0.00	6.79	0.26	0.00	0.26	0.63
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	10	11.53	32.68	0.33	0.00	6.94	0.33	0.00	0.33	0.64
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	20	11.31	32.76	0.37	0.00	6.28	0.84	0.00	0.84	0.88
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	25	10.92	32.81	0.40	0.00	6.43	1.28	0.00	1.28	0.87
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	30	10.75	32.82							0.00
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	41	10.52	32.81	0.56	0.05	4.40	3.53	0.01	3.51	0.38
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	50	10.42	32.81	0.58	0.00	10.31	3.75	0.02	3.73	0.33
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	70	9.79	32.91		0.09	11.72	4.01	0.00	4.01	0.27
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	101	8.51	33.34	1.24	0.00	22.83	15.78	0.00	15.78	0.07
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	151	8.05	33.79	1.81	0.00	36.69	25.03	0.00	25.03	0.02
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	766	4.25	34.31	3.24	0.00		44.24	0.00	44.24	0.00
W0004B	04/15/00	13:24	31	CR-11	41.90	-126.	1005	3.61	34.43	3.24	0.00		44.83	0.00	44.83	0.00
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	1	10.92	32.61	1.11	0.28	15.57	11.22	0.09	11.13	6.59
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	5	10.87	32.62	1.75	0.64	26.97	20.15	0.10	20.04	5.03
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	7	10.09	32.83	2.22	0.51	37.52	27.72	0.10	27.62	2.55
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	10	9.23	33.12	2.36	0.44	41.95	30.16	0.11	30.04	1.22
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	15	8.42	33.40	2.57	0.30	49.76	33.58	0.18	33.40	0.76
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	20	8.09	33.55	2.61	0.00	49.97	34.66	0.13	34.53	0.39
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	26	7.79	33.78	2.60	0.00	49.54	34.57	0.11	34.47	0.26
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	29	7.68	33.83	2.74	0.00	53.97	35.84	0.00	35.84	0.22
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	40	7.37	33.93	2.74	0.00	53.75	36.11	0.00	36.11	0.27
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	46	7.33	33.93	2.75	0.00	55.44	36.38	0.00	36.38	1.02
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	50	7.30	33.93	2.76	0.00	57.33	36.38	0.02	36.35	1.02
W0007A	07/07/00	19:57	3	NH-05	44.65	-124.18	55	7.23	33.94	2.76	0.08	56.90	36.20	0.02	36.17	1.11

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	1	13.95	31.20	0.10	0.00	2.64	0.00	0.00	0.00	1.51
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	5	13.95	31.21	0.16	0.00	2.87	0.30	0.00	0.30	1.55
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	10	11.38	31.97	0.77	0.00	9.44	5.26	0.19	5.07	1.18
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	20	8.84	32.58	0.93	0.00	10.94	7.52	0.07	7.45	0.49
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	27	8.42	32.65	1.02	0.00	11.39	9.51	0.00	9.51	0.47
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	30	8.37	32.66	1.20	0.00	14.97	12.12	0.00	12.12	0.36
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	40	8.05	32.92	1.68	0.00	24.26	20.51	0.00	20.51	0.21
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	50	8.01	33.29	2.08	0.00	36.08	26.64	0.00	26.64	0.10
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	60	7.88	33.66	2.32	0.00	41.14	30.97	0.00	30.97	0.04
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	70	7.66	33.82	2.55	0.00	48.11	34.21	0.00	34.21	0.19
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	76	7.55	33.85	2.60	0.00	49.79	34.84	0.01	34.83	0.08
W0007A	07/08/00	1:44	6	NH-15	44.65	-124.41	85	7.41	33.89	2.71	0.00	53.59	35.84	0.17	35.66	0.10
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	1	14.85	31.17	0.05	0.00	0.45	0.00	0.00	0.00	0.60
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	10	14.26	31.33	0.07	0.00	0.68	0.00	0.00	0.00	0.62
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	20	10.08	32.39	0.24	0.00	3.87	0.00	0.00	0.00	0.72
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	25	9.34	32.51	0.38	0.02	6.22	0.35	0.00	0.35	0.66
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	30	8.85	32.58	0.78	0.00	10.47	5.13	0.09	5.05	0.57
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	40	8.56	32.67	1.04	0.00	12.60	10.01	0.00	10.01	0.30
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	50	8.29	32.80	1.24	0.00	15.80	13.80	0.00	13.80	0.18
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	70	8.15	33.32	1.79	0.00	26.38	23.09	0.00	23.09	0.05
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	100	7.69	33.81	2.53	0.00	46.46	34.09	0.01	34.08	0.15
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	150	6.85	33.99	2.61	0.00	52.82	36.62	0.00	36.62	0.04
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	200	6.54	34.01	2.67	0.00	56.44	37.61	0.00	37.61	0.03
W0007A	07/08/00	5:35	8	NH-25	44.65	-124.65	230	6.42	34.01	2.71	0.00	56.67	38.16	0.00	38.16	0.02
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	2	15.56	30.94	0.07	0.86	2.29	0.70	0.00	0.70	0.32
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	10	15.53	30.94	0.09	0.00	4.73	0.70	0.00	0.70	0.35
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	20	12.60	32.05	0.35	0.00	5.14	0.71	0.00	0.71	0.28
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	30	10.40	32.54	0.54	0.07	6.76	2.02	0.06	1.96	0.67
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	32	10.03	32.59	0.63	0.55	7.16	3.07	0.16	2.91	0.41
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	40	9.25	32.65	0.82	0.00	9.19	6.56	0.32	6.24	0.28
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	50	8.71	32.68	0.99	0.04	11.22	9.44	0.02	9.42	0.21
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	70	8.37	32.89	1.28	0.00	16.30	14.24	0.00	14.24	0.12
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	100	8.17	33.59	1.88	0.03	28.02	25.30	0.00	25.30	0.03
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	150	7.12	33.97	2.66	0.00	47.05	35.04	0.00	35.04	0.02
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	397	5.98	34.04	2.86	0.00	66.08	40.09	0.00	40.09	0.02
W0007A	07/08/00	8:59	9	NH-35	44.65	-124.88	426	5.91	34.05	2.89	0.00	66.73	40.18	0.00	40.18	0.02
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	1	16.04	29.79	0.05	0.00	3.51	0.00	0.00	0.00	0.22
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	10	15.54	30.41	0.20	0.00	7.16	0.00	0.00	0.00	0.28
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	20	12.92	31.90	0.37	0.11	6.96	0.00	0.00	0.00	0.65
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	25	10.85	32.39	0.47	0.20	9.19	0.57	0.03	0.55	0.60
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	30	10.03	32.54	0.60	0.10	8.79	2.76	0.20	2.56	0.36
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	40	9.25	32.64	0.79	0.66	9.19	5.99	0.34	5.65	0.28
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	50	8.87	32.70	0.86	0.00	9.19	7.30	0.16	7.14	0.19
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	70	8.63	32.84	1.12	0.06	13.66	11.93	0.00	11.93	0.09
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	100	8.31	33.36	1.76	0.00	25.43	22.31	0.00	22.31	0.03
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	150	7.69	33.89	2.37	0.00	42.07	31.99	0.00	31.99	0.02
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	500	5.19	34.12	2.83	0.00		38.97	0.00	38.97	0.01
W0007A	07/08/00	14:19	10	NH-45	44.65	-125.12	664	4.58	34.26	3.32	0.00		44.64	0.00	44.64	0.01
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	1	16.53	29.66	0.02	0.10	1.79	0.00	0.00	0.00	0.11
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	10	15.96	30.76	0.15	0.59	4.77	0.00	0.00	0.00	0.14
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	20	15.34	31.52	0.22	0.00	3.49	0.00	0.00	0.00	0.15
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	31	14.19	32.51	0.27	0.00	1.81	0.00	0.00	0.00	0.17

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	40	12.45	32.64	0.42	0.08	2.77	0.00	0.00	0.00	0.18
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	50	10.43	32.72	0.52	0.28	4.53	1.59	0.04	1.56	0.15
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	60	10.02	32.76	0.67	0.18	5.90	4.40	0.28	4.12	0.21
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	69	9.44	32.80	0.76	0.15	6.45	6.15	0.38	5.77	0.19
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	100	8.73	33.10	1.24	0.02	14.30	14.19	0.00	14.19	0.07
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	150	8.14	33.76	2.06	0.00	32.91	28.16	0.00	28.16	0.01
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	860	4.03	34.35	3.41	0.00		45.96	0.00	45.96	0.00
W0007A	07/08/00	18:24	12	NH-65	44.65	-125.6	1004	3.67	34.41	3.39	0.00		46.32	0.00	46.32	0.01
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	2	16.07	31.48	0.24		6.05	0.00	0.00	0.00	0.13
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	10	16.02	31.52	0.29		7.14	0.00	0.00	0.00	0.12
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	20	15.87	31.66							0.00
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	30	15.03	32.24	0.38		5.39	0.00	0.00	0.00	0.16
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	40	13.90	32.58	0.42		4.82	0.00	0.00	0.00	0.19
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	50	12.72	32.61	0.53		5.72	0.11	0.00	0.11	0.54
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	60	10.57	32.67	0.72		7.48	3.10	0.18	2.92	0.35
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	70	9.62	32.71	0.87		8.79	5.72	0.44	5.28	0.18
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	100	8.89	33.00	1.39		16.43	14.57	0.00	14.58	0.07
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	150	8.12	33.72	2.11		32.04	26.56	0.00	26.56	0.01
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	800	4.16	34.32	3.47		109.76	44.81	0.00	44.81	0.00
W0007A	07/08/00	21:15	13	NH-85	44.65	-126.05	1006	3.66	34.41	3.52		125.77	45.86	0.00	45.86	0.01
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	2	9.00	33.58	2.06	1.22	25.01	21.85	0.29	21.56	5.62
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	5	8.98	33.58	2.29	1.01	25.82	22.18	0.29	21.89	4.62
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	8	8.90	33.59	2.13	0.99	25.96	22.08	0.28	21.80	5.53
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	10	8.89	33.59	2.09	0.92	26.86	22.85	0.30	22.55	5.60
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	15	8.49	33.65	2.36	0.98	36.37	20.05	0.30		4.50
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	19	8.26	33.71	2.44	0.85	38.34	28.87	0.28	28.59	4.22
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	25	8.19	33.76	2.49	1.05	39.48	29.19	0.29	28.90	4.46
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	30	8.16	33.78	2.82	1.40	46.45	32.20	0.31	31.89	2.79
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	40	7.51	33.89	3.01	1.28	54.52	35.31	0.30	35.01	1.27
W0007A	07/12/00	23:47	41	HH-01	44.00	-124.2	48	7.37	33.92	3.05	1.48	55.03	35.62	0.28	35.34	1.78
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	1	11.73	32.91	0.42	0.43	3.27	0.76	0.01	0.75	1.40
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	5	11.70	32.91	0.40	0.35	2.99	0.75	0.02	0.73	1.39
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	10	11.60	32.90	0.43	0.37	3.23	1.06	0.02	1.04	1.21
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	15	10.90	32.85	0.99	0.34	11.51	7.79	0.07	7.72	0.78
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	20	8.43	32.84	2.39	0.12	38.59	29.36	0.02	29.34	0.42
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	30	8.13	33.19	1.95	0.32	30.33	22.54	0.00	22.54	0.23
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	40	8.08	33.36	2.15	0.23	34.36	26.02	0.04	25.98	0.21
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	50	8.05	33.57	2.39	0.23	38.72	29.42	0.04	29.38	0.27
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	60	7.68	33.81	2.53	0.16	45.04	32.42	0.00	32.42	0.14
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	70	7.49	33.92	2.64	0.22	48.12	33.87	0.00	33.87	0.13
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	100	7.06	33.99	2.78	0.44	53.13	35.58	0.18	35.40	0.13
W0007A	07/13/00	1:29	42	HH-02	44.00	-124.4	115	6.90	33.99	3.02	0.50	61.43	36.52	0.42	36.10	0.31
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	1	12.75	32.42	0.34	0.09	1.59	0.00	0.00	0.00	
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	5	12.79	32.40	0.44	0.24	2.20	0.00	0.00	0.00	2.07
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	10	12.51	32.51	0.46	0.26	3.32	1.20	0.01	1.19	1.64
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	20	9.74	32.46	1.26	0.42	15.05	10.49	0.19	10.30	0.70
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	30	8.20	33.12	1.97	0.23	30.02	21.67	0.12	21.54	0.39
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	40	8.19	33.41	2.16	0.31	35.07	24.70	0.13	24.57	0.25
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	50	8.00	33.56	2.28	0.28	37.86	26.93	0.04	26.88	0.27
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	60	7.92	33.66	2.35	0.00	39.27	28.16	0.00	28.16	0.25
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	70	7.76	33.77	2.49	0.00	42.62	30.45	0.00	30.45	0.16
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	100	7.14	33.97	2.66	0.17	50.54	33.71	0.00	33.71	0.20

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/13/00	4:02	43	HH-03	44.00	-124.6	145	6.68	34.00	2.79	0.62	65.35	35.47	0.34	35.13	0.73
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	1	13.18	31.90	0.37	0.19	6.47	0.00	0.00	0.00	1.44
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	5	13.15	31.91	0.36	0.05	5.94	0.00	0.00	0.00	1.54
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	8	13.00	31.95	0.44	0.09	5.64	0.33	0.03	0.30	1.71
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	10	11.83	32.03	0.91	0.07	11.40	6.57	0.16	6.41	1.29
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	20	8.73	32.63	1.25	0.07	16.54	12.15	0.20	11.95	0.67
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	30	8.29	32.93	1.64	0.00	23.62	18.08	0.04	18.04	0.26
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	40	8.50	33.21		0.01	24.61	19.99	0.02	19.97	0.14
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	50	8.42	33.44	1.94	0.07	28.87	23.46	0.07	23.39	0.11
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	60	8.41	33.53	2.01	0.12	31.82	25.66	0.09	25.57	0.08
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	70	8.19	33.72		0.16	35.52	27.97	0.06	27.91	0.08
W0007A	07/13/00	6:30	44	HH-04	44.00	-124.8	95	8.09	33.77	2.29	0.01	38.35	29.36	0.08	29.28	0.08
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	2	14.56	31.93	0.28	0.93	3.02	0.00	0.00	0.00	0.36
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	10	14.29	32.46	0.34	0.38	1.86	0.00	0.00	0.00	0.39
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	20	14.17	32.55	0.45	0.62	2.29	0.11	0.00	0.11	0.65
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	30	11.01	32.70	0.71	0.85	4.88	3.07	0.10	2.97	1.09
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	36	9.96	32.77	1.13	1.09	11.51	9.05	0.29	8.76	0.94
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	40	9.74	32.80	1.19	1.69	12.55	9.88	0.27	9.61	0.84
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	50	9.26	32.98	1.52	1.28	15.36	12.97	0.26	12.71	0.34
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	70	8.87	33.32	1.85	0.47	25.85	21.39	0.17	21.22	0.12
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	100	8.31	33.72	2.20	0.17	34.44	27.68	0.00	27.68	0.08
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	150	7.70	33.94	2.38	0.40	41.41	31.09	0.08	31.01	0.04
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	500	5.39	34.10	3.16	0.25	80.12	41.31	0.00	41.31	0.02
W0007A	07/13/00	8:13	45	HH-05	44.00	-125.	885	4.19	34.34	3.43	0.25	118.11	45.02	0.00	45.02	0.01
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	1	14.16	32.57	0.37	0.23	1.83	0.00	0.00	0.00	0.56
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	10	14.16	32.56	0.42	0.21	1.96	0.13	0.00	0.13	0.55
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	20	13.52	32.56							
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	30	12.81	32.60	0.56	0.35	3.79	1.64	0.02	1.62	0.60
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	40	10.63	32.68	0.93	1.23	8.52	5.40	0.20	5.20	0.75
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	44	10.43	32.72	0.92	1.57	9.10	6.26	0.19	6.07	0.75
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	50	10.16	32.83	1.14	1.63	11.69	9.05	0.19	8.86	
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	70	9.37	33.14	1.60	1.39	20.64	16.54	0.21	16.33	0.21
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	100	8.40	33.70	2.13	1.24	32.75	26.46	0.11	26.35	0.20
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	149	7.77	33.94	2.46	0.80	42.75	31.60	0.19	31.41	0.11
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	890	4.06	34.36	3.50	0.25	118.93	45.32	0.00	45.32	0.01
W0007A	07/13/00	11:48	46	HH-07	44.00	-125.2	1006	3.76	34.40	3.48	0.19		45.49	0.00	45.49	0.01
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	1	13.63	32.47	0.34	0.10	2.27	0.00	0.00	0.00	0.68
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	10	13.32	32.52	0.36	0.00	1.93	0.00	0.00	0.00	0.70
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	20	13.19	32.54	0.45	0.41	4.13	0.35	0.00	0.35	0.67
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	30	9.90	32.65	0.72	1.53	1.70	2.72	0.18	2.54	0.64
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	38	9.19	32.78	1.23	2.59	9.85	10.44	0.26	10.19	0.37
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	40	9.03	32.80	1.39	2.62	10.37	11.00	0.28	10.72	0.86
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	50	9.12	33.04	1.74	3.66	19.19	15.87	0.27	15.60	0.58
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	70	8.82	33.43	1.88	3.30	22.10	19.11	0.14	18.97	0.36
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	100	8.63	33.78	2.11	3.53	27.11	23.80	0.14	23.66	0.14
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	150	7.64	33.95	2.46	0.00	43.52	32.24	0.00	32.24	0.06
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	740	4.44	34.30	3.47	0.00	111.01	44.81	0.00	44.81	0.02
W0007A	07/13/00	13:36	47	HH-09	44.00	-125.4	1005	3.77	34.41	3.45	0.00	130.08	45.60	0.00	45.60	0.01
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	2	10.84	33.71	0.47	0.16	2.19	0.59	0.14	0.45	10.49
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	5	10.72	33.71	0.59	0.17	3.52	2.60	0.14	2.46	11.55
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	8	10.37	33.69	0.69	0.19	3.75	4.54	0.17	4.37	11.05

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	10	9.81	33.69	0.82	0.28	4.86	6.55	0.19	6.36	9.54
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	15	9.14	33.68	1.34	0.73	13.31	14.20	0.24	13.96	9.80
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	20	8.54	33.71	1.97	1.24	27.11	23.38	0.26	23.12	3.51
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	25	8.28	33.78	2.20	1.03	32.22	27.00	0.32	26.69	1.77
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	30	7.84	33.85	2.47	0.94	41.34	30.95	0.35	30.60	1.52
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	40	7.68	33.88	2.57	1.04	43.12	32.16	0.37	31.78	1.57
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	50	7.64	33.89	2.68	1.27	44.01	32.72	0.38	32.34	5.47
W0007A	07/09/00	20:12	20	FM-03	43.22	-124.5	53	7.62	33.89	2.68	1.30	44.24	32.64	0.39	32.25	4.10
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	1	12.25	33.19	0.34	0.08	3.30	0.00	0.11	0.00	2.67
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	5	12.15	33.22	0.53	0.29	6.64	1.72	0.14	1.58	5.38
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	10	10.88	33.27	1.04	1.04	9.09	8.56	0.19	8.37	6.36
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	12	10.25	33.31	1.31	1.08	11.09	12.02	0.22	11.81	7.02
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	20	9.08	33.42	1.77	1.61	20.43	19.51	0.24	19.28	3.08
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	30	8.54	33.72	2.07	1.22	27.33	24.91	0.28	24.63	2.03
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	40	8.13	33.78	2.32	1.58	36.45	28.69	0.29	28.41	0.95
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	45	8.13	33.79	2.34	0.79	37.34	29.34	0.29	29.05	1.04
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	50	8.04	33.79	2.49	0.43	43.12	31.75	0.34	31.42	0.72
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	60	7.73	33.88	2.50	0.18	44.46	32.64	0.32	32.32	0.58
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	70	7.49	33.94	2.46	0.50	43.35	31.91	0.27	31.64	2.70
W0007A	07/09/00	18:12	19	FM-04	43.22	-124.58	78	7.46	33.95	2.54	0.84	44.24	31.99	0.32	31.67	7.59
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	1	12.43	32.94	0.38	0.28	2.19	1.48	0.11	1.37	0.83
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	10	10.05	32.90	1.66	1.56	14.43	14.12	0.25	13.86	1.02
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	15	9.44	33.14	1.67	1.66	21.10	18.47	0.25	18.21	0.94
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	20	9.10	33.21	1.68	1.75	24.88	21.53	0.23	21.30	0.63
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	30	8.71	33.45	2.02	1.78	25.55	22.33	0.23	22.10	0.56
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	40	8.53	33.63	2.17	1.50	30.00	25.47	0.23	25.24	0.46
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	50	8.42	33.69	2.16	1.10	31.56	26.44	0.23	26.21	0.47
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	60	8.22	33.75	2.28	0.65	36.01	28.69	0.25	28.44	0.38
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	70	7.96	33.82	2.37	0.08	40.45	30.95	0.25	30.70	0.29
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	100	7.68	33.94	2.31	0.04	40.45	30.95	0.19	30.75	
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	104	7.67	33.95	2.31	0.04	40.90	30.95	0.19	30.76	
W0007A	07/09/00	15:59	18	FM-05	43.22	-124.67	149	7.21	33.99	2.54	0.09	50.91	33.04	0.28	32.76	
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	1	13.19	32.91	0.23	0.09	0.85	0.00	0.07	0.00	0.64
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	10	12.72	32.90	0.31	0.09	0.85	0.00	0.08	0.00	0.93
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	20	10.16	33.15	0.98	1.48	4.41	6.63	0.19	6.44	3.65
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	23	9.80	33.26	1.12	1.81	6.64	8.40	0.20	8.20	3.92
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	30	9.13	33.25	1.45	1.63	14.20	14.52	0.22	14.30	2.10
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	40	9.23	33.42	1.56	1.64	15.76	16.45	0.21	16.25	0.90
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	50	9.18	33.56	1.60	1.77	15.98	17.42	0.20	17.22	0.42
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	70	8.44	33.72	1.79	1.22	22.66	21.37	0.17	21.19	0.39
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	100	7.90	33.88	2.22	0.11	59.59	29.34	0.13	29.21	0.09
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	150	7.49	33.97	2.40	0.10	66.26	31.99	0.23	31.77	0.10
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	300	6.26	34.08	2.88	0.03	64.48	37.55	0.11	37.44	0.24
W0007A	07/09/00	11:02	16	FM-07	43.22	-124.83	320	6.13	34.08	2.89	0.03	65.82	37.95	0.11	37.84	0.18
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	2	13.74	32.69	0.29	0.30	1.04	0.00	0.00	0.00	0.55
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	10	12.80	32.68	0.34	0.35	1.22	0.00	0.00	0.00	0.62
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	15	10.90	32.81	0.44	0.19	1.62	0.22	0.00	0.22	1.31
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	20	10.11	32.85	0.74	1.12	3.32	3.42	0.09	3.33	1.96
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	30	9.82	32.98	1.23	1.85	10.23	9.37	0.17	9.20	1.29
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	40	9.42	33.09	1.44	2.31	12.48	12.18	0.13	12.05	1.12
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	50	9.24	33.29	1.65	2.40	16.53	15.77	0.11	15.66	0.67
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	70	9.05	33.41	1.84	1.13	23.19	20.48	0.08	20.40	0.36

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	100	8.27	33.68	2.26	0.12	36.03	28.33	0.00	28.33	0.10
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	150	7.51	33.95	2.31	0.05	41.96	30.05	0.00	30.05	0.01
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	830	4.18	34.33	3.53	0.09		45.34	0.00	45.34	0.01
W0007A	07/09/00	8:26	15	FM-08	43.22	-125.	1005	3.81	34.41	3.55	0.10		45.45	0.01	45.44	0.03
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	2	15.13	32.44	0.36	0.17	3.75	0.00	0.00	0.00	0.34
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	10	14.87	32.41	0.35	0.20	3.95	0.00	0.00	0.00	0.36
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	20	12.23	32.43	0.47	0.12	4.40	0.06	0.00	0.06	1.24
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	30	10.75	32.66	0.64	0.22	5.34	1.75	0.06	1.69	1.82
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	35	10.28	32.73	0.84	0.56	6.51	4.61	0.19	4.42	2.12
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	40	9.81	32.78	0.97	0.99	8.18	6.38	0.21	6.17	1.28
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	50	9.00	32.85	1.38	1.25	16.90	12.56	0.32	12.24	0.38
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	70	8.61	33.14	1.69	0.07	22.54	18.60	0.20	18.40	0.17
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	100	8.32	33.70	2.16	0.11	33.08	26.58	0.00	26.58	0.09
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	150	7.55	33.96	2.08	0.39	35.87	26.54	0.00	26.54	0.01
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	737	4.36	34.28	3.50	0.14		44.96	0.00	44.96	0.01
W0007A	07/09/00	6:37	14	FM-09	43.22	-125.17	1005	3.68	34.43	3.51	0.03		45.41	0.00	45.41	
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	1	7.71	33.98	2.77	1.75	44.88	31.51	0.20	31.31	2.39
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	5	7.71	33.98	2.71	1.76	44.85	31.53	0.20	31.33	2.14
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	9	7.71	33.98	2.63	1.66	44.85	31.55	0.21	31.34	2.24
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	15	7.71	33.98	2.65	1.66	44.69	31.55	0.21	31.34	2.99
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	17	7.70	33.98	2.65	1.62	44.97	31.60	0.21	31.39	2.83
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	20	7.70	33.98	2.75	1.70	44.93	31.59	0.22	31.37	1.57
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	24	7.70	33.98	2.71	1.77	44.98	31.56	0.19	31.37	3.67
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	30	7.69	33.98	2.71	1.67	44.81	31.51	0.20	31.31	4.15
W0007A	07/11/00	16:25	34	RR-01	42.50	-124.5	32	7.69	33.98	2.69	1.73	44.78	31.39	0.20	31.19	3.80
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	2	8.49	33.90	2.12	1.50	29.56	24.10	0.20	23.90	1.98
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	5	8.49	33.90	2.11	1.43	29.74	24.22	0.20	24.02	1.85
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	12	8.49	33.89	2.12	1.43	29.71	24.25	0.21	24.04	1.90
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	17	8.49	33.89	2.14	1.35	29.71	24.89	0.23	24.66	1.88
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	20	8.48	33.90	2.15	1.33	30.24	25.21	0.21	25.00	1.86
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	31	8.45	33.90	2.20	1.40	31.61	26.00	0.21	25.79	1.61
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	41	8.13	33.92	2.43	1.14	40.24	30.07	0.21	29.86	0.66
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	50	7.68	33.94	2.59	0.97	45.58	32.21	0.18	32.03	0.57
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	60	7.61	33.97	2.69	1.09	48.12	32.76	0.20	32.56	1.68
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	71	7.59	33.99	2.73	1.11	49.08	32.93	0.17	32.76	2.69
W0007A	07/11/00	17:43	35	RR-02	42.50	-124.6	82	7.58	33.99	2.73	1.21	49.14	32.89	0.18	32.71	2.64
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	3	9.11	33.78	1.80	0.68	23.45	21.12	0.19	20.93	4.20
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	5	9.12	33.78	1.80	0.67	22.80	21.02	0.19	20.83	3.96
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	10	9.08	33.78	1.80	0.71	23.20	21.20	0.19	21.01	3.85
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	20	9.05	33.79	1.82	0.78	22.98	21.42	0.19	21.23	4.26
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	25	9.06	33.79	1.83	0.82	22.91	21.41	0.19	21.22	4.07
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	30	9.06	33.79	1.87	0.96	23.12	21.68	0.20	21.48	4.19
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	40	9.03	33.79	1.88	1.12	22.98	22.10	0.19	21.91	3.98
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	50	8.92	33.82	1.94	1.20	23.85	22.68	0.19	22.49	3.78
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	60	8.68	33.85	2.06	1.43	27.19	24.55	0.19	24.36	2.60
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	70	8.69	33.85	2.07	1.42	27.37	24.76	0.20	24.56	2.59
W0007A	07/11/00	20:15	36	RR-03	42.50	-124.7	123	7.74	33.98	2.59	0.93	46.45	32.41	0.16	32.25	0.37
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	2	9.77	33.53	1.63	1.65	21.52	17.21	0.09	17.12	0.54
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	10	9.75	33.53	1.65	1.52	21.84	17.36	0.09	17.26	0.54
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	20	9.57	33.56	1.65	1.57	22.11	17.92	0.09	17.83	0.55
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	28	9.53	33.58	1.84	1.74	24.13	19.35	0.12	19.23	0.38

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	30	9.46	33.60	1.78	1.79	25.22	19.81	0.14	19.67	0.33
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	40	9.44	33.67	1.85	2.02	27.21	20.98	0.16	20.82	0.25
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	50	9.33	33.68	1.91	1.97	28.02	21.72	0.17	21.55	0.25
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	70	8.73	33.69	2.00	1.38	29.59	23.54	0.16	23.38	0.51
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	100	8.27	33.84	2.35	0.85	39.72	29.71	0.32	29.39	0.13
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	150	7.73	33.99		0.16	42.90	31.40	0.01	31.39	0.06
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	445	5.96	34.11	3.03	0.22	73.10	39.49	0.00	39.49	0.07
W0007A	07/12/00	2:25	37	RR-04	42.50	-124.8	500	5.63	34.14	3.16	0.14	79.80	40.52	0.00	40.52	0.08
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	2	11.16	32.89	0.80	0.63	6.81	5.22	0.16	5.06	1.18
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	10	11.16	32.89	0.80	0.58	6.82	5.23	0.16	5.07	1.22
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	20	11.16	32.89	0.80	0.59	6.91	5.26	0.17	5.09	1.19
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	25	11.14	32.81	0.81	0.60	6.95	5.35	0.16	5.19	1.20
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	30	11.14	32.91	0.83	0.57	7.11	5.48	0.15	5.33	1.16
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	40	11.11	32.93	0.88	0.72	7.83	6.22	0.15	6.07	1.05
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	50	10.82	33.04	1.00	1.03	9.32	7.91	0.16	7.75	0.96
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	70	10.22	33.31	1.49	2.20	16.49	14.14	0.20	13.94	0.99
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	100	9.18	33.68	1.97	1.15	29.10	23.57	0.30	23.27	0.08
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	150	7.86	33.93	2.42	0.25	42.37	31.40	0.25	31.15	0.11
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	880	4.27	34.34		0.26		45.05	0.01	45.04	0.02
W0007A	07/12/00	9:39	39	RR-06	42.50	-125.	1005	3.93	34.39		0.27		45.54	0.04	45.50	0.02
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	3	10.86	33.03	0.98	0.73	9.45	7.51	0.18	7.32	1.14
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	10	10.86	33.02	0.95	0.77	9.38	7.51	0.18	7.33	1.18
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	21	10.86	33.03	0.98	0.78	9.63	7.51	0.18	7.33	1.19
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	30	10.86	33.03	0.99	0.80	9.51	7.62	0.18	7.44	1.16
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	35	10.85	33.03	0.99	0.87	9.65	7.80	0.18	7.62	1.04
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	40	10.86	33.03	1.03	0.94	10.71	8.13	0.18	7.95	1.13
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	50	10.35	33.31	1.09	1.06	18.84	9.24	0.19	9.05	1.14
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	70	9.36	33.67	1.77	2.49	22.92	18.95	0.20	18.75	0.46
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	100	8.30	33.76	2.18	0.27	34.88	27.69	0.05	27.64	0.08
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	150	7.51	33.97	2.53	0.16	46.61	33.07	0.04	33.03	0.06
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	840	4.19	34.36		0.23	115.39	45.08	0.00	45.08	0.02
W0007A	07/12/00	12:32	40	RR-07	42.50	-125.2	1002	3.84	34.41		0.21		45.19	0.01	45.18	0.02
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	1	9.92	33.86	1.21	0.34	17.17	9.88	0.24	9.64	19.20
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	5	9.93	33.85							15.75
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	11	9.92	33.86	1.34	0.38	19.08	11.12	0.22	10.90	
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	15	9.55	33.88	1.75	0.85	24.71	10.03	0.23	9.80	
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	21	8.75	33.91	2.28	1.27	35.80	26.90	0.25	26.65	
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	25	8.39	33.92	2.48	1.34	42.19	29.78	0.28	29.50	
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	30	8.11	33.94	2.49	1.24	43.08	30.35	0.27	30.08	
W0007A	07/10/00	23:03	27	CR-01	41.90	-124.3	36	8.10	33.94	2.51	1.26	43.48	30.37	0.26	30.11	
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	2	9.07	33.88	1.86	0.65	27.64	21.18	0.20	20.98	11.23
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	5	9.07	33.88	1.80	0.76	26.73	20.94	0.20	20.74	11.08
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	10	9.07	33.88	1.81	1.66	26.93	21.00	0.23	20.77	8.35
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	20	9.07	33.88	1.84	0.73	26.92	21.18	0.21	20.97	9.13
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	25	9.07	33.88	1.84	0.77	27.14	21.24	0.20	21.04	8.43
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	30	9.06	33.88	1.90	0.83	27.94	22.04	0.21	21.83	9.04
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	40	8.96	33.88	2.37	1.72	38.22	28.48	0.22	28.26	0.38
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	50	8.34	33.91	2.45	1.82	39.27	28.99	0.24	28.75	0.38
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	60	8.17	33.93	2.49	1.58	42.06	30.23	0.25	29.98	0.59
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	70	8.03	33.95	2.64	1.49	47.57	31.73	0.21	31.52	0.40
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	95	7.85	33.99	2.64	1.04	47.61	32.66	0.16	32.50	0.22
W0007A	07/11/00	1:53	29	CR-03	41.90	-124.5	100	7.84	34.00	2.62	0.75	47.20	32.69	0.18	32.51	0.22

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	2	8.89	33.85	1.94	1.15	27.40	23.07	0.26	22.81	4.73
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	10	8.87	33.85	1.97	1.16	28.32	23.42	0.26	23.16	3.65
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	20	8.84	33.86	1.97	2.59	28.43	23.60	0.27	23.33	3.83
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	30	8.83	33.86	2.00	1.15	28.61	23.62	0.26	23.36	3.93
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	33	8.81	33.86	1.97	1.16	28.48	23.41	0.25	23.16	3.71
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	40	8.81	33.86	2.01	1.19	29.50	23.99	0.26	23.73	3.63
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	50	8.82	33.86	2.03	1.22	30.03	24.15	0.26	23.89	4.12
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	70	8.73	33.87							2.08
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	150	7.71	34.03	2.55	0.90	45.82	32.12	0.15	31.97	0.12
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	295	6.91	34.08	2.85	0.23	57.85	36.21	0.04	36.17	0.07
W0007A	07/11/00	7:06	31	CR-04	41.90	-124.6	450	5.89	34.10	3.11	0.17	73.00	39.51	0.02	39.49	0.06
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	2	9.38	33.60	1.77	1.53	23.55	19.81	0.10	19.71	1.36
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	10	9.38	33.60	1.76	1.27	23.47	19.81	0.11	19.70	1.37
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	20	9.38	33.60	1.76	1.29	23.86	19.86	0.11	19.75	1.42
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	25	9.38	33.60	1.76	1.43	23.89	19.95	0.12	19.83	1.33
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	30	9.32	33.60	1.77	1.18	24.06	20.16	0.11	20.05	1.28
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	40	9.30	33.60	1.77	1.37	24.16	20.05	0.11	19.94	1.38
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	50	9.28	33.61	1.79	1.23	24.02	20.21	0.12	20.09	1.27
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	70	9.25	33.61	1.88	1.07	26.48	21.83	0.12	21.71	0.74
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	100	8.48	33.77	2.21	1.26	34.56	26.84	0.18	26.66	0.24
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	150	7.88	33.91	2.38	0.62	40.66	30.38	0.14	30.24	0.12
W0007A	07/11/00	8:41	32	CR-05	41.90	-124.7	650	4.80	34.26	3.47	0.38	102.26	43.73	0.00	43.73	0.05
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	2	11.25	32.90	0.79	0.52	7.15	4.57	0.11	4.46	1.09
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	9	11.24	32.90	0.79	0.69	7.07	4.58	0.10	4.48	0.96
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	20	11.24	32.90	0.80	0.56	7.20	4.65	0.09	4.56	1.13
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	30	11.23	32.90	0.79	0.62	7.20	4.66	0.11	4.55	1.19
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	35	11.20	32.90	0.79	0.72	6.96	4.60	0.11	4.49	1.13
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	39	11.19	32.91	0.82	0.84	7.28	4.96	0.10	4.86	0.91
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	50	11.14	33.09	1.13	1.55	10.63	8.86	0.16	8.70	0.76
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	70	9.28	33.64	1.92	1.61	26.79	21.45	0.16	21.29	0.68
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	100	8.91	33.85	2.20	1.08	33.42	27.25	0.30	26.95	0.17
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	150	7.89	33.96	2.38	0.27	40.84	30.84	0.03	30.81	0.09
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	500	5.05	34.13	3.32	0.49	86.64	43.02	0.00	43.02	0.02
W0007A	07/10/00	17:38	26	CR-07	41.90	-125.	720	4.34	34.32	3.52	0.43	106.46	45.07	0.00	45.07	0.02
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	1	12.12	33.27	0.73	0.84	3.58	4.89	0.07	4.82	2.56
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	10	12.12	33.27	0.74	0.75	3.52	4.91	0.06	4.85	2.72
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	21	11.86	33.30	0.75	0.85	3.55	5.02	0.06	4.95	2.43
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	26	11.36	33.36	0.83	0.79	4.29	6.10	0.12	5.99	2.59
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	30	10.82	33.37	1.06	1.17	7.30	8.95	0.09	8.86	2.83
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	40	9.86	33.62	1.59	1.79	15.41	14.42	0.11	14.31	2.41
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	50	9.56	33.68	1.90	2.00	27.30	20.89	0.17	20.72	0.97
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	70	8.83	33.79	2.11	1.96	32.91	25.02	0.25	45.07	0.41
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	100	8.23	33.86	2.29	1.55	37.27	28.04	0.18	45.07	0.24
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	150	7.57	33.95	2.51	0.37	45.17	32.67	0.19	45.07	0.14
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	316	5.84	34.01	2.90	0.51	65.77	38.38	0.00	45.07	0.07
W0007A	07/10/00	13:19	24	CR-09	41.90	-125.33	1005	3.58	34.44	3.52	0.22	127.33	46.03	0.00	45.07	0.02
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	2	15.55	32.25	0.35	0.00	5.86	0.00	0.00	0.00	0.11
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	10	15.52	32.26	0.35	0.00	5.87	0.00	0.00	0.00	0.13
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	20	15.44	32.26	0.35	0.00	5.86	0.00	0.00	0.00	0.13
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	30	14.74	32.36	0.39	0.00	5.71	0.00	0.00	0.00	0.22
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	40	14.22	32.40	0.37	0.02	5.02	0.00	0.00	0.00	0.17

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	50	13.41	32.59	0.34	0.10	3.84	0.00	0.00	0.00	0.22
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	59	11.47	32.71	0.51	0.05	4.24	0.16	0.00	0.16	0.45
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	70	10.36	32.75	0.73	0.43	6.73	3.14	0.14	3.00	0.40
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	100	9.18	33.09	1.35	0.00	15.82	13.96	0.00	13.96	0.08
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	150	8.38	33.73	2.09	0.00	31.37	25.97	0.00	25.97	0.02
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	735	4.33	34.28	3.46	0.00		44.93	0.00	44.93	0.01
W0007A	07/10/00	6:50	22	CR-11	41.90	-126.	1005	3.65	34.42	3.44	0.00		44.77	0.00	44.77	0.01
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	1	12.71	33.14	0.82	0.71	4.36	0.47	0.03	0.44	2.72
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	5	12.72	33.14	0.71	0.53	3.76	0.50	0.03	0.47	2.79
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	10	12.63	33.14	0.82	0.60	4.00	0.85	0.04	0.81	3.21
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	15	12.52	33.14	1.65	2.42	13.35	12.02	0.16	11.86	4.28
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	21	12.37	33.17	2.53	3.43	30.61	24.89	0.30	24.59	4.27
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	22	12.24	33.17	2.64	3.67	32.89	26.19	0.28	25.91	3.81
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	25	9.94	33.40	2.89	3.59	37.44	28.10	0.23	27.87	3.10
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	30	9.29	33.65	2.85	2.72	43.86	31.36	0.23	31.13	1.57
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	41	8.07	33.71	2.78	0.91	47.44	33.42	0.24	33.18	1.04
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	50	7.83	33.77	2.84	0.81	53.81	33.93	0.29	33.64	0.79
W0009A	09/07/00	20:00	3	NH-05	44.65	-124.18	51	7.84	33.77	2.83	0.74	53.81	33.79	0.28	33.51	0.73
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	2	13.85	32.34	0.53	0.22	6.59	0.73	0.00	0.73	1.91
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	5	13.36	32.38	0.50	2.04	6.39	1.10	0.00	1.10	2.16
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	10	12.90	32.40	0.82	0.13	10.05	4.10	0.03	4.07	2.62
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	15	8.53	32.71	1.60	0.11	22.26	15.97	0.01	15.96	1.42
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	20	8.15	32.93	1.59	0.09	23.97	16.02	0.02	16.00	0.70
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	30	8.02	33.22	1.90	1.68	22.93	19.59	0.13	19.46	0.44
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	40	8.03	33.46	2.09	0.26	31.18	24.91	0.05	24.86	0.14
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	50	8.11	33.67	2.25	0.20	35.63	28.06	0.00	28.06	0.05
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	60	8.09	33.75	2.37	0.11	39.02	29.65	0.00	29.65	0.04
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	70	7.84	33.84	2.68	0.24	51.27	32.51	0.00	32.51	0.10
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	85	7.72	33.86	2.94	0.10	62.98	33.86	0.01	33.85	0.27
W0009A	09/07/00	23:08	5	NH-15	44.65	-124.41	90	7.72	33.86	2.92	0.06	63.03	33.93	0.02	33.91	0.15
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	2	15.60	31.54	0.24	0.12	4.64	0.00	0.01	0.00	0.04
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	10	14.93	31.71	0.91	0.16	9.90	5.36	0.23	5.13	0.14
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	15	14.30	31.94	1.07	0.32	11.64	8.03	0.28	7.75	0.09
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	20	11.45	32.34	1.15	0.27	12.62	9.49	0.27	9.22	0.06
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	30	8.71	32.63	1.44	0.10	17.81	14.46	0.12	14.34	0.02
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	40	8.22	32.83	1.69	1.24	18.49	17.40	0.22	17.18	0.03
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	50	8.19	33.07	1.97	0.09	27.17	23.14	0.14	23.00	0.02
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	70	8.11	33.51	2.19	0.15	33.59	27.35	0.03	27.32	0.00
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	100	7.88	33.83	2.39	0.14	40.44	31.07	0.03	31.04	0.00
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	150	7.50	33.96	2.62	0.14	47.23	34.28	0.02	34.26	0.00
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	200	7.12	33.99	2.70	0.16	51.45	35.54	0.06	35.48	0.00
W0009A	09/08/00	2:20	7	NH-25	44.65	-124.65	270	6.88	34.01	2.78	0.10	54.64	36.16	0.05	36.11	0.00
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	1	16.01	32.08	0.38	0.08	4.90	0.00	0.00	0.00	0.25
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	10	15.95	32.09							
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	20	11.62	32.53	0.53	0.45	5.17	0.00	0.00	0.00	0.24
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	23	11.15	32.58	0.57	0.45	5.41	0.21	0.03	0.18	0.40
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	30	9.81	32.63	0.64	0.63	5.88	1.25	0.09	1.16	0.47
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	40	8.96	32.67	0.90	0.20	9.29	6.08	0.22	5.86	0.42
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	50	8.53	32.75	1.06	0.11	11.16	8.98	0.09	8.89	0.29
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	69	8.45	33.11	1.44	0.18	17.73	15.50	0.05	15.45	0.10
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	100	8.20	33.70	1.99	0.16	28.63	24.68	0.05	24.63	0.04
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	149	7.67	33.92	2.47	0.08	42.76	32.21	0.02	32.19	0.01

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	310	6.60	34.03	2.80	0.08	58.29	36.73	0.01	36.72	0.01
W0009A	09/08/00	5:38	8	NH-35	44.65	-124.88	374	6.27	34.05	2.92	0.08	63.16	37.95	0.04	37.91	0.01
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	1	16.72	32.13	0.37	0.00	3.89	0.00	0.00	0.00	0.14
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	10	16.67	32.13	0.38	0.00	3.90	0.00	0.00	0.00	0.14
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	20	13.63	32.50	0.48	0.15	3.83	0.00	0.00	0.00	0.25
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	26	12.40	32.57	0.51	0.25	4.11	0.00	0.00	0.00	0.27
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	30	11.64	32.62	0.55	0.03	4.51	0.00	0.00	0.00	0.26
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	40	9.97	32.67	0.78	0.00	7.16	3.84	0.29	3.55	0.42
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	50	9.35	32.69	0.90	0.00	8.53	6.26	0.01	6.25	0.19
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	70	8.74	32.77	1.30	0.00	14.49	12.84	0.00	12.84	0.12
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	100	8.39	33.39	1.96	0.00	28.19	23.66	0.00	23.66	0.02
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	150	7.94	33.85	2.39	0.00	39.72	30.88	0.00	30.88	0.01
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	500	5.27	34.11	3.25	0.00	85.03	42.40	0.00	42.40	0.00
W0009A	09/08/00	8:54	9	NH-45	44.65	-125.12	650	4.58	34.24	3.44	0.00	103.51	44.51	0.00	44.51	0.01
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	1	16.16	32.08	0.36	0.00	4.33	0.00	0.00	0.00	0.19
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	10	16.13	32.08	0.37	0.00	4.49	0.00	0.00	0.00	0.25
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	15	12.96	32.35	0.48	0.00	4.68	0.00	0.00	0.00	0.67
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	20	11.96	32.48	0.59	0.00	5.48	0.18	0.00	0.18	1.35
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	30	10.15	32.60	0.86	0.28	8.40	4.56	0.27	4.29	0.56
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	40	8.91	32.66	0.99	0.00	9.61	7.41	0.09	7.32	0.53
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	48	8.70	32.70	1.04	0.00	10.06	8.39	0.00	8.39	0.16
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	70	8.44	32.93	1.44	0.00	16.82	15.15	0.00	15.15	0.10
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	100	8.37	33.40	2.01	0.00	28.59	24.80	0.00	24.80	0.02
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	150	8.01	33.89	2.43	0.00	41.35	32.26	0.00	32.26	0.01
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	861	4.04	34.35	3.52	0.00	114.08	45.60	0.00	45.60	
W0009A	09/08/00	14:57	11	NH-65	44.65	-125.6	1004	3.70	34.40	3.51	0.00	124.79	45.75	0.00	45.75	
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	1	16.14	31.93	0.30	0.08	4.86	0.00	0.01	0.00	0.32
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	10	16.14	31.94	0.32	0.10	5.03	0.00	0.00	0.00	0.38
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	20	14.18	32.33	0.52	0.13	6.55	1.00	0.06	0.94	0.56
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	25	12.86	32.39	0.66	0.21	8.69	2.55	0.10	2.45	0.44
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	30	12.60	32.53	0.88	0.31	10.31	5.35	0.22	5.13	0.39
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	40	10.22	32.72	1.21	0.49	13.14	10.58	0.51	10.07	0.26
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	50	9.31	32.89	1.41	0.10	15.90	14.62	0.47	14.15	0.18
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	70	8.86	33.27	1.79	0.06	23.55	21.03	0.02	21.01	0.03
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	100	8.36	33.53	2.06	0.06	30.22	25.20	0.02	25.18	0.02
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	150	7.78	33.91	2.42	0.07	41.50	31.36	0.00	31.36	0.01
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	900	3.81	34.35	3.54	0.04		45.66	0.00	45.66	
W0009A	09/08/00	18:06	12	NH-85	44.65	-126.05	1005	3.54	34.39	3.52	0.07		45.66	0.00	45.66	
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	1	13.47	33.04	0.89	1.52	6.35	5.52	0.10	5.42	0.75
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	5	13.00	33.08	0.94	1.40	6.36	7.00	0.11	6.89	1.05
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	10	12.99	33.07	1.30	1.18	14.22	9.87	0.24	9.63	4.58
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	15	11.17	33.25	1.67	0.81	22.29	16.48	0.33	16.15	3.94
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	20	9.87	33.39	2.13	1.70	33.05	24.76	0.50	24.26	0.55
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	24	9.41	33.60	2.24	1.39	35.97	26.44	0.52	25.92	0.42
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	30	9.21	33.65	2.28	1.18	36.45	27.11	0.52	26.59	0.35
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	39	8.88	33.65	2.44	1.47	41.66	28.70	0.54	28.16	0.63
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	45	8.81	33.66	2.40	0.99	41.88	28.25	0.52	27.73	0.71
W0009A	09/12/00	0:30	39	HH-01	44.00	-124.2	49	8.70	33.69	2.50	0.90	44.71	29.38	0.55	28.83	0.81
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	1	13.80	32.56	0.57	0.09	6.85	2.23	0.04	2.19	1.02
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	5	13.78	32.56	0.58	0.08	6.32	2.46	0.04	2.42	1.10
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	10	12.81	32.61	1.10	0.10	13.26	9.56	0.13	9.43	0.97

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	20	10.17	32.80	1.77	0.80	23.56	14.40	0.24	14.16	0.82
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	25	8.77	32.99	2.09	0.97	28.34		0.25		0.50
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	30	8.35	33.19	2.18	0.87	30.36	12.42	0.19	12.23	0.32
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	40	8.27	33.46	2.18	0.61	31.72	18.83	0.01	18.82	0.19
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	50	8.24	33.59	2.35	0.39	36.05	25.99	0.00	25.99	0.07
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	60	8.19	33.75	2.47	0.64	39.49	28.10	0.00	28.10	0.04
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	70	8.07	33.81	2.46	0.52	39.64	27.87	0.00	27.87	0.09
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	100	7.82	33.92	2.87	0.52	54.94	33.67	0.02	33.65	0.12
W0009A	09/12/00	2:12	40	HH-02	44.00	-124.4	110	7.73	33.96	2.97	0.49	60.34	35.23	0.17	35.06	
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	2	14.02	32.53	0.77	0.15	10.35	4.34	0.07	4.27	0.58
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	11	10.84	32.62	1.18	0.33	13.84	10.13	0.20	9.93	0.68
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	16	9.98	32.64	1.32	0.49	15.43	12.18	0.25	11.93	0.59
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	21	9.21	32.76	1.58	0.57	17.81	15.79	0.35	15.44	0.62
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	30	8.37	32.93	2.02	0.48	25.75	23.19	0.28	22.91	0.43
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	40	8.13	33.39	2.25	0.18	32.90	27.49	0.17	27.32	0.26
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	50	8.14	33.59	2.33	0.15	35.60	29.42	0.05	29.37	0.08
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	60	8.24	33.75	2.35	0.13	36.55	30.29	0.04	30.25	0.04
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	70	8.26	33.81	2.40	0.05	44.17	30.85	0.01	30.84	0.03
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	100	7.95	33.93	2.69	0.07	46.24	34.71	0.00	34.71	0.03
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	135	7.82	33.97	2.99	0.26	57.19	37.20	0.46	36.74	
W0009A	09/12/00	3:55	41	HH-03	44.00	-124.6	145	7.82	33.97	3.00	0.26	58.62	37.08	0.56	36.52	
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	1	14.16	32.47	0.53	0.20	8.60	0.83	0.01	0.82	0.62
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	6	13.19	32.53	0.65	0.25	8.76	1.09	0.02	1.07	0.69
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	10	10.77	32.79	1.00	0.63	8.12	5.94	0.12	5.82	1.80
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	15	10.12	32.94	1.24	1.15	8.44	9.55	0.16	9.39	2.31
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	20	9.63	33.02	1.81	1.76	17.97	17.76	0.20	17.56	1.28
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	30	8.79	33.37	2.31	1.46	30.35	26.15	0.21	25.94	0.42
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	40	8.45	33.47	2.47	0.91	35.28	29.51	0.19	29.32	0.39
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	50	8.16	33.61	2.59	0.29	40.04	31.88	0.19	31.69	0.20
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	60	7.90	33.80	2.62	0.21	45.28	32.63	0.14	32.49	0.14
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	70	7.82	33.86	2.69	0.11	46.87	33.75	0.10	33.65	0.10
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	85	7.70	33.98	2.80	0.13	51.79	34.93	0.10	34.83	0.12
W0009A	09/12/00	6:19	42	HH-04	44.00	-124.8	100	7.56	33.94	3.07	0.08	59.73	37.42	0.10	37.32	0.13
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	2	14.10	32.36	0.50	0.15	8.12	1.07	0.03	1.04	1.13
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	11	12.72	32.37	0.73	0.20	10.74	4.08	0.07	4.01	1.14
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	20	8.95	32.70	1.42	0.33	17.28	14.12	0.28	13.84	0.51
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	30	8.30	32.95	1.67	0.12	21.59	18.62	0.19	18.43	0.29
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	40	8.18	33.14	1.94	0.10	26.92	22.93	0.08	22.85	0.17
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	50	8.17	33.35	2.14	0.05	31.37	26.22	0.01	26.21	0.08
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	70	8.13	33.74	2.47	0.04	40.77	31.23	0.01	31.22	0.03
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	100	7.96	33.91	2.47	0.05	41.15	32.12	0.00	32.12	0.02
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	150	7.72	33.99	2.64	0.00	46.93	34.13	0.00	34.13	
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	300	6.53	34.05	2.88	0.03	61.19	37.03	0.00	37.03	
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	501	5.46	34.10	3.23	0.07	81.01	41.22	0.01	41.21	
W0009A	09/12/00	8:47	43	HH-05	44.00	-125.	885	3.86	34.39	3.52	0.01	124.50	45.12	0.01	45.11	
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	1	14.53	32.20	0.39	0.09	5.92	0.14	0.00	0.14	1.08
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	10	11.73	32.54	0.73	0.54	9.36	4.26	0.08	4.18	1.28
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	12	11.27	32.54	0.88	0.58	10.97	5.83	0.11	5.72	1.24
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	20	9.00	32.67	1.31	0.27	15.87	12.28	0.23	12.05	0.81
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	30	8.37	32.85	1.53	0.12	19.24	16.30	0.21	16.09	0.42
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	40	8.26	33.02	1.72	0.03	22.39	19.47	0.08	19.39	0.21
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	50	8.38	33.19	1.91	0.01	26.03	22.97	0.01	22.96	0.10

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	70	8.63	33.64	2.29	0.00	35.67	28.52		28.52	0.03
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	100	8.09	33.86	2.41	0.08	40.28	31.42	0.00	31.42	0.02
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	150	7.60	33.96	2.56	0.20	46.15	33.66	0.00	33.66	
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	350	6.13	34.06	2.98	0.03	66.97	38.56	0.01	38.55	
W0009A	09/12/00	12:24	44	HH-07	44.00	-125.2	1005	3.65	34.42	3.50	0.04	127.79	45.59	0.00	45.59	
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	1	15.54	31.89	0.31	0.19	5.31	0.00	0.00	0.00	0.63
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	5	15.66	31.87	0.30	0.05	5.96	0.00	0.00	0.00	0.84
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	10	15.50	31.90	0.52	0.21	7.82	1.40	0.03	1.37	1.85
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	16	12.94	32.30	1.16	0.22	13.72	10.08	0.31	9.77	0.72
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	20	10.78	32.48	1.21	0.16	14.15	10.94	0.33	10.61	0.67
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	30	8.82	32.67	1.33	0.03	15.58	13.07	0.29	12.78	0.38
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	40	8.46	32.79	1.46	0.01	17.99	15.25	0.12	15.13	0.23
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	50	8.80	33.14	1.63	0.05	26.83	18.75	0.02	18.73	0.13
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	70	9.02	33.42	1.90	0.05	24.84	23.37	0.00	23.37	0.07
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	100	8.39	33.67	2.37	0.02	38.79	29.91	0.00	29.91	0.02
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	150	7.71	33.92	2.74	0.05	49.27	35.34	0.01	35.33	
W0009A	09/12/00	14:07	45	HH-09	44.00	-125.4	1005	3.59	34.41	3.49	0.23	133.04	45.47	0.00	45.47	
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	1	11.48	33.32	1.28	0.48	20.07	11.96	0.20	11.77	2.20
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	5	11.52	33.32	1.27	0.35	20.22	11.96	0.18	11.79	2.31
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	10	11.07	33.38	1.29	0.57	19.90	12.20	0.20	12.00	2.40
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	15	10.69	33.40	1.36	0.86	20.70	13.26	0.23	13.03	2.03
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	21	10.32	33.53	1.38	1.05	20.98	13.67	0.22	13.45	2.01
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	23	10.24	33.55	1.40	1.00	21.19	13.92	0.22	13.70	2.01
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	25	10.11	33.58	1.46	0.95	22.12	14.97	0.23	14.74	2.09
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	30	9.71	33.62	1.62	1.32	24.64	17.26	0.29	16.97	1.72
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	41	8.89	33.83	2.11	1.97	33.86	24.34	0.35	23.99	0.48
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	55	8.82	33.85	2.48	3.48	43.31	28.92	0.39	28.53	0.43
W0009A	09/09/00	15:19	19	FM-03	43.22	-124.5	59	8.81	33.85	2.46	2.83	43.73	28.95	0.37	28.58	0.56
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	2	11.88	33.12	1.16	0.62	18.51	10.55	0.10	10.45	1.30
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	5	11.57	33.20	1.24	0.25	19.45	11.73	0.14	11.59	1.25
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	10	11.26	33.24	1.51	0.50	22.87	15.95	0.19	15.76	1.15
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	20	9.70	33.57	1.96	0.79	29.03	22.63	0.31	22.32	0.82
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	30	9.37	33.64	2.08	1.06	31.38	24.61	0.33	24.28	0.59
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	40	9.04	33.79	2.19	0.96	33.77	26.33	0.32	26.01	0.35
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	50	8.86	33.79	2.25	0.86	36.71	27.27	0.29	26.98	0.27
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	60	8.61	33.81	2.32	0.72	37.86	28.75	0.29	28.46	0.21
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	71	8.30	33.87	2.51	0.26	43.71	31.62	0.22	31.40	0.14
W0009A	09/09/00	13:32	18	FM-04	43.22	-124.58	80	8.09	33.92	2.56	0.26	45.06	32.45	0.24	32.21	0.17
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	1	12.15	32.91	1.03	0.05	16.33	9.10	0.08	9.02	1.46
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	10	11.66	32.97	1.09	0.10	16.66	9.90	0.10	9.80	1.38
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	13	11.25	33.06	1.18	0.07	17.99	11.27	0.11	11.16	1.34
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	20	9.37	33.23	1.76	0.08	24.30	20.61	0.26	20.35	0.94
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	30	8.81	33.55	1.96	0.08	26.90	24.38	0.08	24.30	0.18
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	40	8.74	33.60	2.05	0.07	29.07	25.77	0.09	25.68	0.13
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	50	8.90	33.74	2.25	0.21	35.66	28.56	0.39	28.17	0.38
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	60	8.56	33.79	2.36	0.10	37.80	30.11	0.28	29.83	0.23
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	70	8.59	33.86	2.45	0.05	40.46	31.27	0.28	30.99	0.20
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	100	8.14	33.93	2.52	0.05	43.18	32.58	0.01	32.57	0.09
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	108	8.11	33.93	2.54	0.06	43.96	32.81	0.02	32.79	
W0009A	09/09/00	11:32	17	FM-05	43.22	-124.67	142	7.86	33.98	2.62	0.06	48.12	33.70	0.09	33.61	
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	1	13.04	32.71	0.69	0.20	9.08	3.82	0.13	3.69	0.51

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	10	11.72	32.77	0.83	0.32	9.78	5.60	0.24	5.36	0.64
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	15	11.37	32.79	0.92	0.34	10.25	6.73	0.32	6.41	0.77
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	20	10.50	32.77	1.13	0.27	12.65	10.16	0.55	9.61	0.76
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	30	9.61	33.05	1.38	0.07	15.91	15.51	0.67	14.84	0.39
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	40	9.32	33.19	1.73	0.03	21.55	20.25	0.00	20.25	0.16
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	50	8.91	33.27	1.89	0.03	25.21	22.83	0.00	22.83	0.09
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	71	8.76	33.62	1.99	0.04	28.29	24.80	0.00	24.80	0.03
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	100	8.52	33.81	2.29	0.03	36.13	29.60	0.02	29.58	0.02
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	150	7.74	33.96	2.48	0.04	44.20	33.37	0.00	33.37	0.01
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	175	7.52	33.97	2.50	0.04	45.62	33.35	0.01	33.34	0.01
W0009A	09/09/00	7:39	15	FM-07	43.22	-124.83	302	6.55	34.06	2.87	0.04	61.70	37.40	0.04	37.36	0.01
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	1	13.40	32.67	0.68	0.09	8.91	3.59	0.00	3.59	0.57
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	10	12.65	32.66	0.69	0.31	8.90	3.72	0.00	3.72	0.59
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	20	9.41	32.76	1.00	0.39	10.70	7.49	0.20	7.29	0.49
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	30	9.12	32.89	1.26	0.05	13.58	11.92	0.30	11.62	0.46
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	40	8.78	33.08	1.40	0.04	15.86	14.36	0.13	14.23	0.38
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	50	8.83	33.30	1.56	0.13	18.81	17.08	0.00	17.08	0.27
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	70	8.70	33.58	1.93	0.00	26.23	23.44	0.00	23.44	0.06
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	100	8.49	33.83	2.34	0.04	35.99	29.93	0.00	29.93	0.02
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	150	7.79	33.95	2.48	0.20	42.47	32.37	0.00	32.37	0.01
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	225	7.03	34.00	2.63	0.07	50.65	34.46	0.00	34.46	0.01
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	885	3.85	34.39	3.54	0.04		45.52	0.00	45.52	0.01
W0009A	09/09/00	5:25	14	FM-08	43.22	-125.	1005	3.53	34.44	3.51	0.13		45.45	0.00	45.45	0.01
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	2	16.15	32.34	0.41	0.13	5.48	0.14	0.10	0.04	0.57
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	10	16.01	32.38	0.44	0.25	5.86	0.38	0.12	0.26	0.59
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	20	10.40	32.62	0.93	0.05	11.04	6.02	0.33	5.69	0.49
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	26	9.64	32.79	1.11	0.04	11.81	9.05	0.46	8.59	0.46
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	30	9.16	32.78	1.23	0.00	12.95	10.90	0.46	10.43	0.38
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	40	8.88	32.95	1.38	0.00	15.67	13.78	0.32	13.45	0.27
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	50	8.51	33.12	1.66	0.09	20.90	18.69	0.14	18.55	0.06
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	68	8.66	33.48	1.97	0.05	26.51	24.07	0.00	24.07	0.02
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	100	8.09	33.75	2.19	0.14	34.20	27.83	0.00	27.83	0.01
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	151	7.58	33.93	2.35	0.04	41.54	30.66	0.00	30.66	0.01
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	625	4.66	34.23	3.46	0.00	94.27	44.17	0.00	44.17	0.01
W0009A	09/09/00	3:31	13	FM-09	43.22	-125.17	980	3.62	34.42	3.50	0.08		45.32	0.00	45.32	0.01
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	1	13.37	33.53	1.72	0.00	26.55	19.02	0.26	18.76	3.15
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	3	10.36	33.53	1.72	0.00	26.47	18.95	0.26	18.69	3.29
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	5	10.32	33.53	1.71	0.00	26.60	19.11	0.26	18.85	3.13
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	9	9.97	33.53	1.80	0.00	27.17	20.77	0.26	20.51	2.68
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	10	9.65	33.60	1.85	0.00	27.88	25.66	0.25	25.41	2.88
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	15	9.50	33.67	2.09	0.12	32.63	28.52	0.23	28.29	1.21
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	20	8.87	33.77	2.28	0.00	37.16	28.65	0.11	28.54	0.31
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	25	8.63	33.80	2.37	0.00	40.38	30.40	0.15	30.25	0.31
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	30	8.42	33.86	2.44	0.00	43.32	30.27	0.15	30.12	0.28
W0009A	09/11/00	15:12	38	RR-01	42.50	-124.5	32	8.43	33.85	2.43	0.00	43.06	30.24	0.15	30.09	0.28
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	2	10.84	33.12	1.35	0.00	19.41	13.72	0.22	13.50	1.53
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	5	10.84	33.12	1.34	0.00	19.36	13.73	0.23	13.50	1.49
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	11	10.81	33.13	1.30	0.04		13.25	0.22	13.03	1.56
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	15	10.76	33.14	1.36	0.00	19.11	13.96	0.24	13.72	1.48
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	19	10.06	33.14	1.44	0.00	19.05	15.18	0.32	14.86	1.15
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	30	9.48	33.33	1.68	0.00	22.00	19.19	0.36	18.83	0.43
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	40	9.06	33.55	1.93	0.00	25.95	23.76	0.06	23.70	0.14

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	50	8.99	33.72	2.11	0.00	30.60	26.35	0.30	26.05	0.13
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	60	8.65	33.79	2.24	0.00	34.15	28.50	0.00	28.50	0.07
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	70	8.54	33.83	2.28	0.00	35.32	31.12	0.00	31.12	0.06
W0009A	09/11/00	13:59	37	RR-02	42.50	-124.6	81	8.19	33.91	2.43	0.00	41.37	31.02	0.00	31.02	0.04
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	2	13.76	32.68	0.63	0.34	9.33	3.09	0.09	3.00	0.46
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	5	13.75	32.68	0.62	0.25	8.11	3.10	0.09	3.01	0.46
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	10	12.52	32.74	0.68	0.23	8.50	3.64	0.11	3.53	0.47
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	15	10.75	32.91	0.81	0.26	9.74	5.44	0.18	5.26	0.51
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	20	9.70	32.96	1.09	0.49	12.98	9.38	0.32	9.06	0.56
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	30	9.27	33.35	1.61	0.00	19.50	18.21	0.21	18.00	0.23
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	40	9.12	33.49	1.83	0.00	23.53	21.98	0.00	21.98	0.07
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	50	8.92	33.64	2.01	0.00	28.32	24.83	0.00	24.83	0.06
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	61	8.75	33.73	2.14	0.00	31.64	26.75	0.00	26.75	0.05
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	70	8.58	33.81	2.27	0.00	35.23	28.62	0.00	28.62	0.05
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	100	8.19	33.93	2.44	0.33	40.82	30.85	0.05	30.80	0.04
W0009A	09/11/00	10:57	36	RR-03	42.50	-124.7	120	8.06	33.94	2.44	0.00	41.89	31.10	0.07	31.03	
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	2	12.99	32.74	0.69	0.00	9.99	4.55	0.10	4.45	0.62
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	10	12.52	32.77	0.93	0.58	13.46	7.62	0.15	7.47	0.64
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	15	12.17	33.13	1.10	0.99	16.03	9.82	0.18	9.64	0.77
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	20	12.15	33.20	1.13	1.37	15.98	9.98	0.20	9.78	0.49
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	30	11.54	33.21	1.24	0.99	17.04	11.13	0.28	10.85	0.59
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	40	10.75	33.22	1.44	0.40	19.33	15.17	0.30	14.87	0.55
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	50	9.39	33.35	1.63	0.09	19.91	18.75	0.06	18.69	0.12
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	70	8.74	33.70	2.11	0.00	30.49	26.26	0.00	26.26	0.02
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	100	8.44	33.86	2.33	0.02	37.33	29.65	0.00	29.65	0.03
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	150	7.83	33.98	2.52	0.00	44.24	32.45	0.00	32.45	
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	440	5.74	34.08	3.09	0.00	74.39	39.47	0.00	39.47	
W0009A	09/11/00	7:29	35	RR-04	42.50	-124.8	500	5.58	34.14	3.21	0.00	81.59	40.23	0.00	40.23	
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	2	13.23	32.84	0.82	0.00	11.89	5.80	0.17	5.63	0.85
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	10	12.49	32.84	1.04	0.11	12.10	6.75	0.24	6.51	0.77
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	19	11.60	32.99	1.18	0.28	15.42	9.95	0.30	9.65	0.94
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	23	11.62	33.08	1.22	0.44	15.86	11.59	0.38	11.21	0.80
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	29	11.00	33.15	1.30	0.34	15.48	12.87	0.46	12.41	0.43
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	38	9.32	33.00	1.58	0.13	19.29	17.74	0.12	17.62	0.25
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	71	8.69	33.73	2.21	0.00	33.16	27.96	0.01	27.95	0.03
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	100	8.41	33.90	2.40	0.00	39.72	30.37	0.00	30.37	0.03
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	150	7.93	33.98	2.50	0.16	43.31	32.23	0.02	32.21	
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	815	4.24	34.33	3.50	0.03	115.40	44.80	0.00	44.80	
W0009A	09/11/00	4:12	33	RR-06	42.50	-125.	1006	3.63	34.43	3.50	0.00	127.21	45.05	0.04	45.01	
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	1	14.91	32.60	0.46	0.03		0.41	0.03	0.38	0.37
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	10	12.31	32.61	0.66	0.13	8.23	2.02	0.11	1.91	0.40
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	18	9.21	32.72	0.96	0.08	10.49	7.03	0.14	6.89	0.47
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	20	9.10	32.74	1.00	0.01	10.95	7.88	0.11	7.77	0.34
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	30	8.99	32.92	1.63	0.00	22.16	18.67	0.13	18.54	0.15
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	40	9.53	33.29	1.59	0.10	19.93	18.06	0.16	17.90	0.22
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	50	9.35	33.47	1.76	0.00	38.64	20.83	0.15	20.68	0.24
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	70	8.81	33.77	2.18	0.05	33.33	27.53	0.00	27.53	0.05
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	100	8.32	33.93	2.47	0.00	42.18	31.55	0.00	31.55	0.03
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	150	7.94	34.00	2.57	0.00	45.12	33.13	0.00	33.13	
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	830	4.18	34.34	3.51	0.00	115.98	44.87	0.00	44.87	
W0009A	09/11/00	2:15	32	RR-07	42.50	-125.2	1007	3.71	34.41	3.49	0.01	130.45	45.24	0.00	45.24	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	2	9.77	33.74	2.30	1.73	35.07	25.22	0.29	24.93	0.15
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	5	9.63	33.74	2.31	1.78	35.03	25.23	0.29	24.94	0.12
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	10	9.51	33.76	2.29	1.80	35.15	25.29	0.28	25.01	0.14
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	15	9.45	33.77	2.31	1.77	35.11	25.25	0.28	24.97	0.13
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	20	9.52	33.76	2.31	1.71	35.62	25.62	0.29	25.33	0.17
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	25	9.51	33.76	2.33	1.83	35.99	25.88	0.28	25.60	0.16
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	30	9.48	33.76	2.37	1.55	37.03	26.81	0.30	26.51	0.17
W0009A	09/10/00	0:07	21	CR-01	41.90	-124.3	35	9.10	33.79	2.47	1.67	39.56	27.22	0.31	26.91	0.61
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	1	10.29	33.64	1.80		23.53	19.74	0.27	19.47	0.33
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	5	10.28	33.64	1.78		23.57	19.57	0.27	19.30	0.33
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	10	10.26	33.64	1.75		23.30	19.50	0.29	19.21	0.32
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	19	10.24	33.64	1.83		24.28	20.33	0.29	20.04	0.27
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	30	9.19	33.76	1.94		28.51	24.54	0.34	24.20	0.20
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	40	8.83	33.87	2.31		34.83	28.49	0.31	28.18	0.12
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	50	8.71	33.90	2.40	0.30	37.49	29.68	0.32	29.36	0.09
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	61	8.59	33.92	2.48	0.37	39.29	30.51	0.31	30.20	0.08
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	71	8.51	33.94	2.50	0.32	40.35	30.93	0.31	30.62	0.06
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	80	8.47	33.95	2.53	0.26	41.34	31.31	0.29	31.02	0.08
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	100	8.21	33.99	2.61	0.12	44.37	32.39	0.23	32.16	0.07
W0009A	09/10/00	3:12	23	CR-03	41.90	-124.5	129	8.03	34.01	2.65	0.16	45.79	33.22	0.17	33.05	
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	2	11.00	33.48	1.28	0.94	13.57	13.11	0.21	12.90	0.54
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	10	11.00	33.48	1.33	0.96	13.69	13.21	0.18	13.03	0.57
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	20	10.99	33.48	1.33	0.94	14.00	13.53	0.19	13.34	0.55
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	30	10.08	33.45	1.54	0.78	18.15	17.11	0.13	16.98	0.22
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	40	9.58	33.60	1.78		23.17	20.83	0.22	20.61	0.26
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	50	9.00	33.68	2.02		28.37	25.02	0.05	24.97	0.12
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	70	8.86	33.83	2.19		32.36	27.40	0.21	27.19	0.10
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	100	8.63	33.89	2.37		37.29	30.13	0.06	30.07	0.07
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	150	8.09	34.00	2.57		42.29	33.15	0.12	33.03	
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	320	6.60	34.07	2.88		60.22	36.90	0.00	36.90	
W0009A	09/10/00	5:09	24	CR-04	41.90	-124.6	444	5.69	34.07	3.11		75.12	40.21	0.00	40.21	
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	2	11.08	33.40	1.22	0.51	14.28	12.22	0.22	12.00	0.69
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	4	11.07	33.41	1.24	0.55	14.48	12.54	0.23	12.31	0.66
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	10	10.87	33.49	1.39	1.24	16.53	14.47	0.21	14.26	0.46
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	19	10.74	33.52	1.61	1.39	20.86	17.15	0.23	16.92	0.42
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	30	9.66	33.49	1.64	0.41	20.86	18.76	0.11	18.65	0.35
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	40	9.27	33.53	1.75	0.00	23.05	20.79	0.02	20.77	0.17
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	51	9.12	33.56	1.79	0.02	24.06	21.51	0.01	21.50	0.14
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	70	8.80	33.71	2.02	0.07	31.39	25.17	0.00	25.17	0.08
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	101	8.54	33.83	2.16	0.04	33.84	27.56	0.00	27.56	0.03
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	151	7.82	33.93	2.33	0.02	40.53	30.26	0.00	30.26	
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	500	5.39	34.12	3.17	0.00	81.20	41.20	0.00	41.20	
W0009A	09/10/00	7:46	25	CR-05	41.90	-124.7	650	4.55	34.26	3.43	0.05	106.87	43.57	0.01	43.56	
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	1	12.61	33.05	0.84	0.00	10.33	6.15	0.17	5.98	0.67
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	10	12.59	33.06	0.88	0.00	10.84	6.93	0.18	6.75	0.72
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	20	11.52	33.22	1.00	0.05	12.39	8.91	0.22	8.69	0.86
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	23	10.90	33.39	1.15	0.21	14.03	10.83	0.25	10.58	0.90
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	30	10.67	33.50	1.40	1.28	16.70	14.20	0.24	13.96	0.70
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	40	10.12	33.49	1.51	1.01	18.40	15.82	0.20	15.62	0.48
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	50	9.26	33.53	1.85	0.00	25.06	22.10	0.29	21.81	0.23
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	70	9.14	33.72	2.10	0.00	31.82	26.31	0.04	26.27	0.09
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	100	8.40	33.80	2.26	0.00	36.64	28.91	0.00	28.91	0.03

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	150	7.94	33.97	2.43	0.00	41.63	31.24	0.00	31.24	
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	500	5.07	34.15	3.33	0.00	90.50	42.25	0.00	42.25	
W0009A	09/10/00	12:40	27	CR-07	41.90	-125.	590	4.84	34.20	3.39	0.00	98.18	43.07	0.00	43.07	
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	1	13.92	32.86	0.58	0.13	6.46	2.29	0.06	2.23	0.30
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	10	12.59	32.92	0.73	0.23	8.71	4.27	0.11	4.16	0.45
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	20	12.16	33.05	0.90	0.12	11.95	7.21	0.21	7.00	0.72
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	25	11.58	33.10	1.03	0.28	12.11	9.00	0.27	8.73	0.69
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	30	11.37	33.12	1.06	0.43	12.82	9.52	0.31	9.21	0.70
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	40	11.26	33.21	1.07	1.00	12.42	9.59	0.26	9.33	0.62
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	50	11.22	33.32	1.16	1.17	13.29	10.83	0.26	10.57	0.56
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	70	10.23	33.40	1.49	0.33	18.38	16.36	0.22	16.14	0.46
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	100	9.05	33.68	2.02	0.00	29.50	25.08	0.06	25.02	0.09
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	150	8.29	33.88	2.32	0.00	38.15	29.65	0.00	29.65	
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	830	4.05	34.37	3.53	0.00		44.66	0.00	44.66	
W0009A	09/10/00	16:10	29	CR-09	41.90	-125.4	1005	3.69	34.43	3.47	0.00		44.84	0.00	44.84	
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	1	15.06	32.80	0.57	0.16	8.55	2.26	0.07	2.19	0.19
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	10	14.91	32.84	0.63	0.23		3.04	0.09	2.95	0.24
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	20	14.68	32.94	0.72	0.24	8.60	4.19	0.10	4.09	0.34
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	30	11.05	33.10	1.61	0.02	21.07	17.98	0.38	17.60	0.67
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	34	10.08	33.28	1.65	0.00	21.46	18.62	0.36	18.26	0.63
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	40	9.73	33.40	1.73	0.00	22.42	20.12	0.28	19.84	0.23
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	50	9.65	33.52	1.86	0.00	25.88	22.14	0.21	21.93	0.19
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	70	8.89	33.66	2.09	0.00	30.72	25.86	0.00	25.86	0.04
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	100	8.40	33.82	2.33	0.00	37.43	29.44	0.00	29.44	0.02
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	151	7.68	33.95	2.47	0.00	43.04	31.70	0.00	31.70	
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	630	4.51	34.24	3.43	0.00	102.98	43.91	0.00	43.91	
W0009A	09/10/00	20:41	31	CR-11	41.90	-126.	1004	3.60	34.43	3.50	0.07		44.94	0.00	44.94	
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	2	10.32	32.68							0.39
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	5	10.33	32.68	0.69	0.63	7.51	4.38	0.20	4.18	0.38
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	10	10.31	32.69	0.71	0.25	7.50	4.43	0.21	4.22	0.38
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	15	10.32	32.69	0.84	0.45	7.68	4.55	0.21	4.34	0.40
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	20	10.32	32.70	0.73	0.26	7.67	4.60	0.21	4.39	0.46
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	25	10.31	32.70	0.74	0.34	7.66	4.65	0.21	4.45	0.52
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	30	10.30	32.70	0.74	0.46	7.65	4.71	0.21	4.50	0.54
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	38	10.24	32.69	0.78	0.44	8.03	4.95	0.22	4.73	0.91
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	40	10.24	32.69	0.78	0.53	8.02	4.94	0.22	4.72	0.95
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	50	10.16	32.68	0.79	0.47	7.81	4.93	0.23	4.70	1.45
W0101C	01/27/01	21:20	3	NH-05	44.65	-124.18	51	10.16	32.68	0.78	2.39	7.60	4.85	0.23	4.62	1.42
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	1	10.51	32.71	0.71	0.10	7.27	4.34	0.22	4.11	0.22
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	5	10.51	32.71	0.71	0.24	7.26	4.32	0.22	4.10	0.29
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	10	10.51	32.71	0.71	0.03	7.64	4.31	0.22	4.10	0.24
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	20	10.49	32.71	0.71	0.02	7.24	4.37	0.24	4.12	0.28
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	29	10.49	32.71	0.73	0.15	7.23	4.42	0.24	4.18	0.24
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	40	10.53	32.76	0.78	0.32	8.19	5.37	0.21	5.16	0.28
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	45	10.34	32.86	0.98	0.00	11.50	8.31	0.17	8.14	0.21
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	50	10.27	32.90	1.04	0.05	12.66	9.13	0.16	8.97	0.22
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	60	10.14	32.95	1.16	0.00	15.18	10.79	0.15	10.64	0.17
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	65	10.12	32.96	1.17	0.00	15.56	10.97	0.14	10.83	0.17
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	70	10.11	32.97	1.19	0.01	15.75	11.21	0.14	11.08	0.17
W0101C	01/28/01	0:52	5	NH-15	44.65	-124.41	86	10.02	33.02	1.25	0.00	16.71	12.03	0.10	11.93	0.14
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	1	10.38	32.72	0.75	0.09	8.04	4.87	0.15	4.71	0.47

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	10	10.38	32.72	0.75	0.12	7.65	4.95	0.16	4.79	0.52
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	15	10.35	32.71	0.75	0.00	7.66	5.03	0.15	4.87	0.52
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	20	10.35	32.71	0.75	0.04	7.86	5.04	0.15	4.89	0.51
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	30	10.30	32.70	0.77	0.06	7.87	5.12	0.15	4.97	0.51
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	37	10.30	32.70	0.76	0.06	7.87	5.14	0.15	4.99	0.50
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	50	10.29	32.70	0.76	0.10	7.88	5.15	0.15	5.00	0.52
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	71	10.22	32.75	0.87	0.12	9.07	6.65	0.13	6.53	0.26
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	100	8.99	33.35	1.69	0.00	21.92	19.53	0.00	19.53	0.03
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	151	8.73	33.68	2.06	0.03	30.02	25.30	0.00	25.30	
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	201	8.10	33.90	2.41	0.00	40.11	30.81	0.00	30.81	
W0101C	01/28/01	4:01	7	NH-25	44.65	-124.65	287	7.30	33.98	2.60	0.00	49.60	34.25	0.00	34.25	
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	2	9.96	32.65	0.74	0.12	7.76	5.51	0.16	5.35	0.37
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	10	9.96	32.65	0.71	0.21	7.75	5.42	0.17	5.25	0.25
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	20	9.97	32.65	0.72	0.24	7.74	5.54	0.18	5.36	0.38
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	25	9.97	32.65	0.75	0.13		5.34	0.16	5.18	0.39
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	31	9.97	32.65	0.83	0.08	7.98	5.46	0.17	5.29	0.42
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	40	9.97	32.65	0.76	0.14	7.97	5.26	0.17	5.09	0.38
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	50	9.97	32.65	0.78	0.18	8.22	5.27	0.17	5.10	0.36
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	68	9.85	32.81	1.04	0.14	11.14	9.10	0.14	8.96	0.12
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	100	9.18	33.29	1.52	0.00	18.59	17.07	0.02	17.05	0.03
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	150	8.52	33.64	1.96	0.02	27.90	24.27	0.01	24.26	
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	300	6.97	34.01	2.65	0.00	51.86	34.74	0.00	34.74	
W0101C	01/28/01	7:27	8	NH-35	44.65	-124.88	426	6.18	34.04	2.83	0.00	63.57	36.93	0.02	36.91	
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	10	10.03	32.66	0.82	0.07	8.39	5.63	0.13	5.50	0.38
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	20	10.05	32.67	0.80	0.09	8.40	5.58	0.13	5.45	0.42
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	25	10.03	32.66	0.80	0.12	8.40	5.60	0.14	5.46	0.41
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	30	10.05	32.66	0.80	0.05	8.41	5.55	0.13	5.42	0.42
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	40	10.09	32.67	0.80	0.06	8.41	5.63	0.14	5.49	0.30
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	50	10.11	32.68	0.80	0.03	8.42	5.71	0.14	5.57	0.44
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	70	10.08	32.68	0.83	0.05	8.82	6.24	0.12	6.13	0.30
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	100	8.91	33.17							
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	150	8.45	33.67	2.00	0.00	29.37	25.26	0.00	25.26	0.01
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	500	4.96	34.17	3.25	0.00	92.22	42.95	0.00	42.95	
W0101C	01/28/01	12:37	9	NH-45	44.65	-125.12	624	4.55	34.24	3.29	0.00	90.88	43.07	0.00	43.07	
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	3	9.57	32.52	0.77	0.07	7.76	4.71	0.15	4.56	0.17
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	10	9.58	32.52							0.12
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	20	9.58	32.52	0.77	0.00	7.57	4.71	0.17	4.54	0.13
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	28	9.58	32.52	0.77	0.53	7.37	4.71	0.17	4.54	0.14
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	30	9.58	32.52	0.78	0.25	7.57	4.71	0.17	4.54	0.13
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	40	9.58	32.52	0.80	0.73	7.57	4.71	0.17	4.54	0.14
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	50	9.58	32.52	0.78	0.12	7.57	4.71	0.16	4.55	0.17
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	70	8.61	32.76	1.18	0.17	13.21	11.02	0.05	10.97	0.05
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	100	7.93	33.39	1.82	0.17	25.86	22.08	0.01	22.07	0.02
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	150	7.80	33.89	2.29	0.17	39.09	29.76	0.00	29.75	
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	870	3.90	34.34	3.40	0.00		45.10	0.00	45.10	
W0101C	01/28/01	19:49	12	NH-85	44.65	-126.05	1005	3.58	34.40	3.41	0.00		45.22	0.00	45.22	
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	2	9.82	32.57	0.45	0.08	1.66	2.80	0.07	2.73	3.13
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	5	9.83	32.57	0.44	0.10	1.68	2.81	0.06	2.76	3.16
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	10	9.78	32.57	0.44	0.40	1.51	2.83	0.06	2.76	3.13
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	13	9.78	32.57	0.46	0.09	1.53	2.15	0.06	2.09	3.06
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	15	9.70	32.58	0.52	0.19	1.93	2.96	0.08	2.88	3.44
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	20	9.65	32.60	0.60	0.59	2.61	3.78	0.12	3.66	2.95

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	25	9.66	32.61		0.72	2.77	4.34	0.17	4.17	2.40
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	30	9.68	32.62	0.63	0.78	3.62	3.56	0.14	3.42	2.03
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	40	9.69	32.67	0.67	0.81	4.24	3.44	0.15	3.29	3.11
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	42	9.69	32.67	0.69	0.85	4.62	3.77	0.14	3.62	3.19
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	50	9.20	33.21	1.67	0.62	24.58	18.40	0.28	18.12	1.16
W0103B	03/20/01	21:02	3	NH-05	44.65	-124.18	55	9.09	33.31	1.77	0.51	26.95	19.65	0.25	19.40	1.39
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	1	9.71	32.71	0.68	0.30	8.24	4.68	0.14	4.54	0.66
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	5	9.71	32.71	0.75	0.00	8.47	4.77	0.14	4.63	0.66
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	10	9.70	32.71	0.68	0.00	8.30	4.75	0.14	4.61	0.62
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	20	9.70	32.71	0.67	0.00	8.34	4.69	0.14	4.54	0.67
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	23	9.70	32.71	0.68	0.00	8.38	4.66	0.14	4.51	0.68
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	31	9.68	32.72	0.68	0.71	8.37	4.89	0.15	4.74	0.67
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	40	9.66	32.72	0.71	0.04	8.55	6.13	0.16	5.97	0.62
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	49	9.54	32.82	0.88	0.16	10.31	9.36	0.22	9.14	0.31
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	60	9.46	32.94	1.15		14.33	14.78	0.24	14.54	0.18
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	70	9.29	33.19	1.60		23.53	18.09	0.15	17.93	0.14
W0103B	03/20/01	23:55	5	NH-15	44.65	-124.41	87	8.74	33.56	1.98		31.20	24.23	0.07	24.16	0.08
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	2	9.64	32.70	0.67	0.51	7.53	4.10	0.10	4.00	0.50
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	10	9.64	32.70	0.72	0.28	7.67	4.42	0.12	4.30	0.56
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	20	9.65	32.70	0.72	0.17	7.52	4.25	0.06	4.19	0.55
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	30	9.65	32.70	0.75	0.12	8.25	4.52	0.12	4.40	0.56
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	41	9.63	32.70	0.76	0.21	8.12	4.64	0.11	4.53	0.51
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	44	9.63	32.70	0.75	0.34	8.13	4.56	0.11	4.46	0.47
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	51	9.60	32.70	0.75	0.29	7.88	4.60	0.11	4.49	0.40
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	71	9.30	33.13	1.36	0.17	16.12	14.25	0.04	14.21	0.08
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	101	8.52	33.63	2.07	0.00	29.92	25.70	0.02	25.68	0.02
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	150	7.94	33.89	2.39	0.16	39.62	30.93	0.05	30.89	0.01
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	200	7.30	33.98	2.61	0.02	48.54	34.19	0.01	34.18	
W0103B	03/21/01	3:24	7	NH-25	44.65	-124.65	281	6.20	34.04	2.78	0.06	59.82	35.36	0.01	35.35	
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	3	9.88	32.78	0.67	0.45	7.54	3.93	0.12	3.81	0.70
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	10	9.88	32.78	0.68	0.18	7.68	4.08	0.14	3.94	0.70
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	20	9.88	32.78	0.66	0.41	6.95	3.68	0.09	3.59	0.67
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	30	9.88	32.78	0.68	0.38	7.69	4.18	0.12	4.06	0.67
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	40	9.88	32.78	0.71	0.25	7.83	4.38	0.13	4.25	0.66
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	50	9.87	32.79	0.74	0.44	7.27	4.40	0.09	4.31	0.70
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	70	9.57	32.99	0.90	0.31	11.00	8.05	0.17	7.88	0.25
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	100	8.71	33.51	1.86	0.02	26.30	22.99	0.01	22.98	0.03
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	150	8.14	33.87	2.15	0.36	36.10	28.66	0.01	28.65	0.03
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	410	5.58	34.08	3.18	0.00	77.06	40.95	0.01	40.94	
W0103B	03/21/01	7:18	8	NH-35	44.65	-124.88	440	5.53	34.09	3.14	0.09	75.64	40.36	0.03	40.33	
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	2	9.93	32.81	0.71	0.28	6.35	4.99	0.11	4.88	0.33
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	10	9.94	32.81	0.72	0.56	6.36	5.16	0.10	5.06	0.34
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	20	9.94	32.81	0.72	0.32	6.37	5.57	0.11	5.46	0.35
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	30	9.94	32.81	0.63	0.31	6.39	4.86	0.11	4.75	0.33
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	40	9.94	32.82	0.73	0.44	6.40	5.81	0.11	5.70	0.33
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	45	9.94	32.82	0.66	0.31	6.69	5.79	0.11	5.68	0.32
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	50	9.87	32.86	0.80	0.31	7.36	6.32	0.11	6.21	0.40
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	70	9.10	33.34	1.63	0.01	21.48	20.41	0.03	20.38	0.07
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	100	8.66	33.61	1.77	0.00	30.28	25.78	0.01	25.77	0.02
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	150	8.39	33.77	2.22	0.01	36.36	29.32	0.02	29.31	0.02
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	500	5.44	34.10	3.12	0.01	79.96	42.44	0.02	42.42	0.00
W0103B	03/21/01	14:30	9	NH-45	44.65	-125.12	615	4.78	34.19	3.17		97.49	44.79	0.04	44.75	0.00

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	2	9.80	32.78	0.76	0.19	7.69	5.56	0.10	5.46	0.36
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	10	9.79	32.78	0.76	0.29	7.84	5.47	0.10	5.37	0.38
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	20	9.79	32.78	0.77	0.19	7.85	5.51	0.10	5.41	0.36
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	30	9.80	32.78	0.77	0.20	7.76	5.54	0.09	5.44	0.37
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	35	9.79	32.78	0.74	0.20	7.78	5.57	0.10	5.47	0.37
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	40	9.78	32.78	0.74	0.21	7.79	5.58	0.10	5.48	0.37
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	50	9.77	32.78	0.71	0.22	8.04	5.70	0.11	5.59	0.36
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	65	9.77	32.79	0.79	0.23	8.28	6.38	0.10	6.27	0.35
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	100	8.46	33.65	2.07	0.01	30.26	27.16	0.02	27.14	0.03
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	150	7.96	33.91	2.34	0.13	40.37	31.88	0.02	31.86	0.01
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	916	3.86	34.39	3.36	0.00		46.88	0.01	46.86	
W0103B	03/21/01	19:43	11	NH-65	44.65	-125.6	1005	3.65	34.41		0.04		46.43	0.01	46.42	
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	2	9.34	32.64	0.73	0.03	7.98	4.88	0.08	4.80	0.26
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	10	9.34	32.64	0.72		8.02	4.86	0.08	4.77	0.25
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	20	9.33	32.64	0.75	0.05	8.13	4.88	0.10	4.78	0.26
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	30	9.33	32.64	0.77	0.28	8.67	4.98	0.08	4.90	0.25
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	40	9.32	32.64	0.77	0.05	8.05	4.88	0.08	4.80	0.26
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	50	9.30	32.64	0.77	0.03	8.18	4.96	0.07	4.88	0.28
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	53	9.29	32.64	0.78	0.10	8.32	4.92	0.07	4.84	0.29
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	70	9.24	32.69	0.84	0.47	8.76	5.85	0.10	5.76	0.19
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	100	8.23	33.27	1.75	0.00	20.89	18.64	0.01	18.63	0.06
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	150	7.91	33.80	2.13	1.32	39.33	27.61	0.03	27.58	0.00
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	920	3.81	34.36	3.50	0.13		45.93	0.01	45.93	
W0103B	03/21/01	22:53	12	NH-85	44.65	-126.05	1005	3.60	34.40					0.03		
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	2	10.05	32.62	0.59	0.16	3.91	4.34	0.13	4.22	2.54
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	6	10.04	32.63	0.64	0.24	4.07	3.85	0.14	3.71	2.36
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	10	10.00	32.65	0.64	0.32	5.18	4.62	0.16	4.46	2.34
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	15	9.72	32.83	0.96	0.62	11.37	9.67	0.21	9.46	2.25
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	17	9.41	33.05	1.38	0.47	17.15	14.39	0.23	14.16	1.84
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	20	9.38	33.07	1.51	0.48	19.91	16.30	0.25	16.05	1.59
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	25	9.18	33.22	1.52	1.90	22.66	17.98	0.26	17.72	1.24
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	30	8.95	33.39	1.67	0.50	26.52	21.72	0.24	21.48	0.67
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	40	8.51	33.66	2.01	0.80	34.09	27.63	0.20	27.43	0.16
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	50	8.27	33.73	1.89		33.96	28.17	0.23	27.94	0.16
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	56	8.05	33.78	2.15	0.51	40.02	29.62	0.20	29.42	0.15
W0103B	03/23/01	23:22	26	FM-03	43.22	-124.5	59	8.03	33.79	2.24		41.40	28.67	0.22	28.45	0.14
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	1	10.07	32.51	0.42	1.43	1.36	0.29	0.00	0.29	3.42
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	5	10.07	32.51	0.38	1.29	1.17	0.21	0.00	0.21	3.73
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	10	10.07	32.51	0.51	1.73	1.36	0.16	0.03	0.13	3.74
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	15	10.04	32.54	0.49	0.11	1.27	0.26	0.04	0.23	3.92
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	20	9.93	32.59	0.60	0.34	2.13	1.20	0.06	1.14	2.64
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	30	9.82	32.78	0.97	1.31	5.27	4.87	0.13	4.74	1.23
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	40	9.75	32.90	1.11	0.57	8.24	9.14	0.20	8.94	0.98
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	50	9.31	33.24	1.81	0.33	24.73	18.44	0.07	18.37	0.21
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	60	9.12	33.37	1.85	0.05	25.10	20.09	0.00	20.08	0.15
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	65	9.12	33.38	1.90	0.03	25.69	20.49	0.06	20.44	0.14
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	70	9.08	33.40	1.87	0.65	24.81	20.61	0.05	20.55	0.13
W0103B	03/24/01	0:58	27	FM-04	43.22	-124.58	80	8.06	33.78	2.53	0.07	40.54	28.39	0.09	28.29	0.12
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	2	10.09	32.74	0.50	0.34	1.48	1.04	0.02	1.02	1.49
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	10	10.09	32.74	0.50	0.39	1.48	1.07	0.02	1.04	1.68
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	20	10.09	32.74	0.51	0.34	1.48	1.07	0.02	1.05	1.71

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	30	10.07	32.74	0.50	0.20	1.41	1.22	0.03	1.18	2.03
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	40	9.92	32.81	0.66	0.26	3.55	3.26	0.07	3.19	2.10
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	50	9.72	32.95	1.04	0.28	11.81	10.00	0.19	9.81	0.72
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	60	9.25	33.30	1.56	0.02	21.69	18.37	0.03	18.34	0.16
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	70	9.18	33.34	1.64	0.00	23.27	19.64	0.00	19.64	0.11
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	100	8.23	33.73	2.25	0.11	39.66	28.30	0.09	28.20	0.14
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	120	7.75	33.92	2.55	0.47	47.86	32.31	0.12	32.19	0.19
W0103B	03/24/01	2:39	28	FM-05	43.22	-124.67	150	7.65	33.94	2.45	0.54	49.05	32.72	0.10	32.62	0.21
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	1	10.11	32.81	0.57	0.35	5.86	2.94	0.16	2.78	0.53
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	10	10.11	32.81	0.62	0.50	6.28	3.75	0.17	3.58	0.58
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	20	10.11	32.81	0.50		5.36	3.20	0.16	3.04	0.58
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	24	10.11	32.81	0.56	0.41	5.90	3.21	0.15	3.06	0.61
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	30	10.08	32.81	0.64	0.36	6.46	3.58	0.17	3.41	0.63
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	40	10.03	32.83	0.67	2.05	6.88	3.43	0.21	3.22	0.60
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	50	9.97	32.90	0.84	0.74	9.04	5.70	0.23	5.47	0.33
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	71	9.38	33.23	1.36	0.56	15.89	12.86	0.00	12.86	0.15
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	100	8.88	33.54	1.84		24.89	20.75	0.00	20.75	0.04
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	151	8.21	33.87	2.17		32.95	26.28	0.10	26.18	0.03
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	230	7.11	34.00	2.27		46.42	29.50		29.50	
W0103B	03/24/01	6:15	30	FM-07	43.22	-124.83	330	5.94	34.06	2.75		64.88	36.93	0.04	36.89	
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	2	9.46	33.04	1.29	0.58	19.39	13.28	0.18	13.09	1.68
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	5	9.46	33.06	1.44		24.02	14.21	0.24	13.97	1.75
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	10	9.42	33.10	1.22	0.59	17.67	13.42	0.17	13.26	2.42
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	15	9.26	33.18	1.45	0.19	22.83	16.08	0.18	15.90	3.31
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	20	9.12	33.33	1.59		23.88	17.95	0.17	17.78	2.84
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	25	8.94	33.43	1.66	0.79	24.81	18.99	0.20	18.79	1.97
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	30	8.47	33.73	2.06	0.65	32.22	24.99	0.15	24.84	0.70
W0103B	03/23/01	14:35	22	RR-01	42.50	-124.5	32	8.45	33.74	1.96	0.19	34.86	26.44	0.17	26.27	0.69
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	1	9.98	32.77	0.54	4.20	3.45	2.61	0.16	2.46	1.01
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	5	9.98	32.77	0.65	0.59	3.74	2.18	0.12	2.06	0.94
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	10	9.98	32.76	0.62	3.32	5.62	2.08	0.16	1.92	1.00
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	17	9.73	32.91	1.02	0.66	9.93	5.92	0.18	5.74	0.91
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	20	9.61	32.98	1.19	0.67	14.77	9.36	0.17	9.19	0.92
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	30	8.96	33.45	1.82	2.90	27.52	19.45	0.20	19.24	0.41
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	40	8.79	33.60	2.08	0.56	29.82	23.23	0.09	23.14	0.11
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	50	8.59	33.66	1.81	0.09			0.08		0.17
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	60	8.38	33.74	2.00	0.19	30.78	22.42	0.09	22.33	0.13
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	70	8.16	33.88			38.16	28.06	0.35	27.71	0.20
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	73	8.14	33.89	2.36		39.25	29.43	0.08	29.35	0.19
W0103B	03/23/01	15:49	23	RR-02	42.50	-124.6	80	8.12	33.89	2.27		37.39	27.31	0.12	27.20	0.20
W0103B	03/23/01	17:35	24	RR-03	42.50	-124.7	1	9.98	32.76	0.60	1.03	3.10	1.04	0.14	0.90	0.75
W0103B	03/23/01	17:35	24	RR-03	42.50	-124.7	5	9.98	32.76	0.49	1.45	2.58	1.51	0.10	1.40	0.78
W0103B	03/23/01	17:35	24	RR-03	42.50	-124.7	10	9.98	32.76	0.51	1.34	3.13	1.92	0.12	1.80	0.73
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	1	9.59	33.28	1.35	0.44	20.15	14.21	0.19	14.02	2.78
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	6	9.55	33.29	1.37	0.04	20.91	14.84	0.19	14.65	2.64
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	7	9.30	33.37	1.53	0.05	22.89	16.92	0.18	16.74	1.69
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	10	9.11	33.44	1.73	0.08	26.58	20.13	0.18	19.95	1.13
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	15	8.91	33.55	1.92	0.02	30.64	23.04	0.19	22.86	0.60
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	19	8.80	33.63	2.03	0.00	32.77	24.81	0.20	24.61	0.52
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	25	8.75	33.70	2.06	0.63	33.45	25.03	0.25	24.78	0.67
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	30	8.74	33.71	2.14	0.02	35.21	25.89	0.25	25.64	0.69

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0103B	03/22/01	15:25	13	CR-01	41.90	-124.3	35	8.73	33.71	2.12	0.00	34.88	25.65	0.25	25.40	0.66
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	1	9.75	32.93	0.87	0.63	9.02	6.55	0.18	6.37	0.93
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	5	9.74	32.93	0.87	0.62	9.03	6.52	0.18	6.34	0.96
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	10	9.73	32.93	0.86	0.47	8.88	6.41	0.17	6.23	1.00
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	16	9.68	32.98	0.93	0.57	10.21	7.43	0.19	7.25	1.18
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	20	9.68	32.99	0.97	0.61	10.85	7.84	0.18	7.66	1.32
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	30	9.63	33.06	1.15	0.52	13.72	12.04	0.19	11.85	0.80
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	40	9.53	33.12	1.29	0.26	16.52	13.11	0.19	12.92	0.46
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	50	9.39	33.29	1.58	0.00	22.70	18.03	0.12	17.91	0.13
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	60	9.14	33.44	1.79	0.00	25.57	20.94	0.11	20.82	0.09
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	69	8.87	33.55	1.97	0.13	30.25	23.61	0.19	23.42	0.20
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	100	8.21	33.88	2.36	0.00	39.97	29.99	0.12	29.87	0.08
W0103B	03/22/01	18:19	15	CR-03	41.90	-124.5	131	7.70	33.98	2.56	0.27	47.73	31.93	0.14	31.80	0.09
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	2	10.01	32.81	0.69	0.27	4.00	3.43	0.10	3.34	1.58
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	10	9.94	32.82	0.72	0.67	4.26	3.77	0.12	3.66	1.69
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	20	9.93	32.82	0.72	0.44	4.51	4.11	0.10	4.02	1.66
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	22	9.93	32.82	0.63	0.82	4.50	3.92	0.15	3.78	1.62
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	30	9.92	32.84	0.80	0.35	5.42	3.62	0.11	3.51	1.92
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	40	9.92	32.89	0.92	0.29	7.27	5.35	0.14	5.21	1.66
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	50	9.92	33.04		0.58	12.04	9.85	0.16	9.69	0.72
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	70	9.50	33.29	1.61	0.10	20.02	16.59	0.02	16.57	0.13
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	100	8.92	33.60	2.06	0.02	29.32	24.08	0.02	24.06	0.07
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	150	8.15	33.92	2.45	0.01	40.36	30.50	0.08	30.42	0.05
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	395	5.68	34.10	2.81	0.02	76.96	40.65	0.01	40.64	
W0103B	03/22/01	20:09	16	CR-04	41.90	-124.6	450	5.42	34.13		0.07	83.47	41.31	0.01	41.30	
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	2	10.25	32.81	0.60		5.85	3.92	0.17	3.76	0.92
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	10	10.21	32.81	0.62	0.26	6.13	3.64	0.17	3.47	0.96
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	11	10.18	32.81	0.62	0.08	6.15	3.57	0.18	3.39	0.96
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	20	10.15	32.81	0.62	0.09	5.99	3.76	0.18	3.59	0.96
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	30	10.14	32.81	0.62	0.10	6.23	3.69	0.18	3.51	0.86
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	40	10.13	32.82	0.62	0.77	6.17	3.85	0.19	3.66	0.68
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	50	10.10	32.83	0.72	0.12	7.64	5.28	0.22	5.06	0.47
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	70	9.83	33.30	1.29	0.18	15.35	13.79	0.05	13.74	0.10
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	100	9.02	33.64	1.85	0.01	26.42	22.97	0.03	22.94	0.04
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	150	8.39	33.89	2.15	0.10	35.21	28.00	0.04	27.96	0.04
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	500	5.29	34.15	3.04	0.00	79.77	39.38	0.01	39.37	0.01
W0103B	03/22/01	23:11	17	CR-05	41.90	-124.7	633	4.69	34.26	3.26			43.06	0.03	43.03	0.01
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	2	10.35	33.04	0.85	0.84	6.93	5.74	0.17	5.57	0.96
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	10	10.36	33.04	0.88	0.42	6.95	5.87	0.17	5.70	0.97
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	20	10.31	33.04	0.88	0.78	6.81	5.70	0.16	5.54	1.06
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	25	10.30	33.04	0.92	0.46	7.39	6.26	0.18	6.08	1.02
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	30	10.30	33.04	0.79	0.41	7.07	6.18	0.16	6.03	1.01
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	40	10.30	33.04	0.92	0.00	7.40	6.53	0.20	6.34	0.90
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	50	10.28	33.04	0.93	0.67	7.50	6.53	0.19	6.34	0.76
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	70	10.11	33.09	1.06	0.74	8.82	8.32	0.18	8.14	0.27
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	100	8.96	33.58	1.95	0.06	22.77	20.76	0.03	20.73	0.07
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	151	8.19	33.92	2.35	0.04	34.50	28.16	0.03	28.13	0.03
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	500	5.52	34.17	2.90	0.20	78.61	38.88	0.02	38.86	
W0103B	03/23/01	3:53	19	CR-07	41.90	-125.	798	4.17	34.35							
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	3	10.31	33.01	0.71	0.33	6.55	6.09	0.15	5.94	0.71
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	10	10.31	33.01	0.67	0.32	6.27	6.43	0.13	6.31	0.70

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	20	10.35	33.03	0.76	0.41	5.72	6.08	0.12	5.96	0.75
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	25	10.34	33.03	0.69	0.41	5.71	5.94	0.13	5.81	0.75
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	29	10.37	33.04		0.56	5.70	6.17	0.13	6.04	0.81
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	41	10.36	33.04	0.72	0.82	5.69	5.55	0.12	5.43	0.80
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	50	10.35	33.04	0.75	0.87	5.94	6.74	0.12	6.62	0.78
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	70	10.02	33.10	0.94	0.53	10.45	10.07	0.19	9.89	0.26
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	100	8.77	33.74	2.02	0.16	30.14	27.00	0.01	26.99	0.04
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	150	8.08	33.93					0.00		0.02
W0103B	03/23/01	7:56	21	CR-09	41.90	-125.4	1005	3.71	34.41		0.02		46.50	0.00	46.50	
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	1	9.00	33.49	2.16	0.98	36.62	24.05	0.31	23.74	5.24
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	5	8.97	33.49	2.35	0.24	38.37	25.46	0.28	25.19	5.29
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	15	8.46	33.56	2.57	0.92	43.04	29.26	0.23	29.04	4.22
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	20	7.79	33.66	2.73	0.30	46.44	32.08	0.18	31.90	0.44
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	25	7.55	33.78	2.73	0.09	48.68	33.77	0.07	33.70	0.24
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	30	7.46	33.84	2.65	0.49	51.33	33.27	0.05	33.22	0.11
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	40	7.22	33.94	2.07	3.11	52.20	31.26	0.09	31.17	0.12
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	50	7.22	33.94	2.70	2.29	54.70	34.47	0.10	34.37	0.12
W0107A	07/06/01	20:21	3	NH-05	44.65	-124.18	56	7.22	33.94	2.74	2.39	53.28	34.37	0.14	34.23	0.16
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	1	10.72	32.47	1.23	1.22	14.37	11.57	0.26	11.31	1.93
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	5	10.65	32.48	1.36	1.11	14.85	12.58	0.27	12.31	2.21
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	10	9.69	32.71	1.76	0.38	21.04	18.18	0.32	17.86	4.85
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	12	9.43	32.79	1.91	0.41	23.93	20.30	0.33	19.96	4.88
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	20	9.15	32.99	2.02	0.30	27.83	23.11	0.34	22.76	6.03
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	24	9.12	33.00	2.07	0.28	27.93	23.41	0.34	23.08	7.10
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	30	8.35	33.01	2.04	0.12	27.91	23.62	0.21	23.40	2.57
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	40	8.01	33.16	2.03	0.03	29.02	24.73	0.06	24.67	0.14
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	50	7.97	33.29	2.20	0.07	32.67	26.78	0.06	26.73	0.08
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	60	7.83	33.48	2.32	0.00	41.01	31.16	0.05	31.11	0.08
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	69	7.78	33.70	2.44	0.13	40.86	31.59	0.06	31.53	0.05
W0107A	07/06/01	23:33	5	NH-15	44.65	-124.41	86	7.36	33.90	2.73	0.20	50.35	35.17	0.12	35.04	0.08
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	2	11.55	32.41	0.91	0.31	8.55	6.48	0.20	6.29	2.35
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	10	11.53	32.41	0.94	0.18	8.56	6.96	0.20	6.77	2.51
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	15	11.43	32.42	0.80	0.36	7.44	5.28	0.16	5.12	2.29
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	20	11.07	32.41	0.84	0.48	6.57	4.33	0.15	4.19	1.66
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	30	9.52	32.43	0.82	0.73	5.07	2.71	0.20	2.51	0.48
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	40	8.96	32.50	0.75	0.54	7.73	3.99	0.24	3.75	0.48
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	50	8.53	32.55	1.30	0.13	13.29	12.33	0.19	12.14	0.45
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	70	8.24	33.05	1.75	0.38	23.25	20.96	0.10	20.86	0.16
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	100	8.00	33.67	2.37	0.04	37.50	30.10	0.04	30.06	0.02
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	150	7.33	33.93	2.72	0.17	50.74	35.26	0.04	35.22	
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	200	6.56	34.01	2.95		61.08	38.71	0.06	38.65	
W0107A	07/07/01	3:09	7	NH-25	44.65	-124.65	285	6.25	34.04	3.03	0.04	64.11	39.47	0.06	39.41	
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	1	14.35	32.18	0.22	0.96	2.24	0.00	0.03	0.00	0.45
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	10	14.34	32.18	0.26	0.26	2.52	0.04	0.02	0.03	0.48
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	20	14.31	32.18	0.27	0.00	2.78	0.10	0.04	0.07	0.42
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	30	13.04	32.23	0.35	0.00	3.44	0.00	0.04	0.00	0.26
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	40	10.56	32.48	0.69	0.53	5.33	1.29	0.11	1.18	0.84
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	50	9.28	32.51	0.74	0.00	7.23	4.73	0.30	4.43	0.74
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	55	9.15	32.53	0.86	0.00	9.13	6.25	0.34	5.91	0.66
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	70	8.56	32.74	1.13	1.58	13.90	11.49	0.18	11.31	0.36
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	100	8.33	33.49	2.16	0.71	31.90	26.87	0.03	26.84	0.05
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	150	7.81	33.88	2.24	0.19	38.17	29.74	0.03	29.71	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	220	6.57	34.01	2.85	0.68	58.55	37.23	0.02	37.21	
W0107A	07/07/01	6:34	8	NH-35	44.65	-124.88	435	5.68	34.10	2.97		77.18	42.70	0.07	42.63	
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	3	14.65	31.95	0.25	0.21	1.41	0.00	0.03	0.00	0.15
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	10	14.66	31.95	0.26	0.04	2.13	0.00	0.05	0.00	0.16
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	20	14.65	31.96	0.28	0.01	1.43	0.00	0.03	0.00	0.17
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	30	14.65	31.97	0.31	0.02	2.27	0.00	0.02	0.00	0.15
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	40	11.64	32.39	0.41	0.18	3.16	0.00	0.03	0.00	0.24
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	49	10.42	32.53	0.47	0.09	3.55	0.00	0.05	0.00	0.35
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	55	9.94	32.58	0.56	0.52	8.44	1.49	0.13	1.36	0.71
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	70	9.01	32.80	1.19	0.16	18.64	11.55	0.28	11.27	0.13
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	100	8.51	33.40	1.74	0.01	24.62	15.16	0.03	15.13	0.06
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	150	7.94	33.86	2.03	0.08	37.66	22.48	0.03	22.45	0.01
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	500	5.35	34.14	3.22	0.02	77.18	40.82	0.03	40.79	0.01
W0107A	07/07/01	10:00	9	NH-45	44.65	-125.12	643	4.71	34.24	3.33	0.09		44.22	0.02	44.19	0.01
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	2	15.30	31.39	0.16	0.00	3.02	0.02	0.02	0.00	0.13
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	10	15.29	31.41	0.16	0.00	3.03	0.00	0.02	0.00	0.13
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	20	14.59	31.96	0.19	0.06	3.30	0.00	0.02	0.00	0.15
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	30	13.43	32.20	0.34	0.00	3.19	0.00	0.02	0.00	0.21
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	40	11.67	32.50	0.24	0.00	2.95	0.00	0.02	0.00	0.28
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	50	10.83	32.53	0.33	0.01	3.84	0.00	0.02	0.00	0.40
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	56	9.97	32.60	0.46	0.07	5.11	0.00	0.06	0.00	0.53
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	71	9.24	32.73	1.14	0.27	12.43	9.23	0.33	8.91	0.26
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	100	8.59	33.21	1.53	0.00	22.52	19.69	0.05	19.64	0.11
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	150	8.09	33.80	2.35	0.00	38.28	30.77	0.03	30.74	
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	230	7.22	33.99	2.75	0.00	50.76	36.09	0.03	36.06	
W0107A	07/07/01	15:32	11	NH-65	44.65	-125.6	1000	3.60	34.40	3.66	0.00		47.68	0.03	47.66	
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	2	15.63	31.44	0.18	0.38	2.31	0.00	0.01	0.00	
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	10	15.56	31.49	0.16	0.14	2.08	0.00	0.01	0.00	0.12
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	20	15.00	32.06	0.24	0.22	2.35	0.00	0.01	0.00	0.13
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	30	12.72	32.44	0.35	1.02	3.12	0.01	0.04	0.00	0.20
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	40	11.57	32.53	0.48	0.08	4.03	0.01	0.01	0.00	0.37
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	50	10.61	32.53	0.54	0.25	5.55	0.08	0.03	0.05	0.65
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	59	10.07	32.57	0.75	0.31	8.69	3.63	0.17	3.46	0.54
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	70	9.48	32.60	0.87	0.67	8.97	6.00	0.46	5.54	0.33
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	101	8.72	32.96	1.61	1.36	20.98	19.29	0.05	19.23	0.09
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	150	8.13	33.73	2.20	0.00	39.36	31.57	0.03	31.53	
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	366	5.78	34.04	3.15	0.01	69.48	42.44	0.02	42.41	
W0107A	07/07/01	18:19	12	NH-85	44.65	-126.05	1004	3.66	34.41	3.59	0.00		48.13	0.04	48.09	
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	2	14.50	32.29	0.47		2.67	0.98	0.06	0.92	2.31
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	4	13.65	32.36	0.53		3.69	2.11	0.07	2.04	2.43
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	5	13.97	32.33	0.60		4.26	2.50	0.06	2.44	2.34
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	11	11.40	32.58	1.28		12.49	11.35	0.21	11.14	1.93
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	15	9.00	32.89	1.98		21.72	21.26	0.23	21.03	1.16
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	20	8.97	32.93	2.01		23.86	21.43	0.26	21.17	0.58
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	24	10.06	33.39	2.12		25.67	18.80	0.12	18.69	0.40
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	30	8.52	33.54	2.61		34.66	21.72	0.10	21.62	0.19
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	40	7.76	33.70	3.06		43.35	26.90	0.13	26.77	0.21
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	47	7.66	33.78	3.25		62.36	28.02	0.33	27.70	0.71
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	50	7.61	33.80	2.96		52.80	26.61	0.33	26.28	0.77
W0109A	09/04/01	19:51	3	NH-05	44.65	-124.18	55	7.58	33.81	3.15		57.52	30.22	0.30	29.92	0.86
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	2	15.37	32.18	0.25		4.89	0.32	0.03	0.28	2.29

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	6	15.33	32.17	0.31		7.05	0.35	0.03	0.32	2.18
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	11	15.15	32.18	0.25		6.62	0.38	0.05	0.33	2.16
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	12	15.03	32.19	0.36		6.18	0.36	0.04	0.32	2.28
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	20	13.25	32.46	0.92		13.76	5.58	0.16	5.43	1.56
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	30	11.03	33.10	1.57		23.94	12.09	0.17	11.92	0.61
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	41	10.57	33.12	1.85		24.57	14.58	0.19	14.39	0.61
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	50	8.88	33.45	2.53		28.96	26.28	0.17	26.12	0.75
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	60	7.85	33.62			34.43	26.93	0.13	26.80	0.47
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	71	7.93	33.80				26.68	0.11	26.57	0.07
W0109A	09/04/01	21:52	5	NH-15	44.65	-124.41	85	7.69	33.84	2.90		52.31	32.64	0.20	32.44	0.25
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	1	15.49	32.19	0.35		6.28	0.14	0.03	0.12	1.39
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	10	15.47	32.20	0.29		6.67	0.23	0.03	0.19	1.44
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	12	15.45	32.20	0.31		6.69	0.32	0.04	0.28	1.52
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	21	15.01	32.39	0.47		6.97	0.74	0.05	0.69	2.06
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	30	11.71	32.92	1.26		11.01	8.04	0.17	7.86	0.73
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	40	10.82	33.09	1.68		12.23	12.65	0.19	12.45	0.36
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	50	9.23	33.27	2.14		20.52	21.50	0.22	21.28	0.21
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	70	7.89	33.47	2.17		32.47	27.28	0.14	27.15	0.06
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	100	7.79	33.88	2.42		40.18	30.89	0.09	30.80	0.02
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	150	7.41	33.97	2.73		49.65	35.00	0.09	34.91	
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	201	7.14	34.01	2.81		53.93	36.09	0.11	35.98	
W0109A	09/04/01	23:57	7	NH-25	44.65	-124.65	251	6.98	34.02	2.73		55.14	35.57	0.05	35.51	
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	2	16.58	32.17	0.30		4.63	0.06	0.01	0.05	0.54
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	10	16.05	32.18	0.30		4.20	0.48	0.03	0.45	0.74
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	19	10.66	32.48	0.75		16.03	10.73	0.38	10.36	1.21
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	19	10.23	32.49	0.82		16.77	11.88	0.39	11.50	1.14
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	30	8.20	32.63	1.50		18.21	15.05	0.12	14.93	0.43
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	49	7.84	32.89	1.76		23.68	19.60	0.10	19.50	0.19
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	69	7.88	33.29	2.02		28.19	24.43	0.06	24.37	0.06
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	100	7.83	33.82	2.54		40.97	32.95	0.06	32.89	0.02
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	151	7.46	33.98	3.02		54.57	37.28	0.05	37.23	
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	175	7.37	33.98	3.13		58.50	37.82	0.07	37.75	
W0109A	09/05/01	1:37	8	NH-35	44.65	-124.88	421	6.15	34.06	2.92		64.08	38.97	0.08	38.89	
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	3	16.86	32.02	0.27		5.38	0.15	0.03	0.12	0.21
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	10	16.51	32.03	0.34		5.40	0.15	0.02	0.13	0.29
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	20	14.34	32.13	0.65		9.43	2.62	0.12	2.50	0.76
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	25	11.72	32.31	0.88		10.98	5.31	0.25	5.06	0.80
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	30	10.46	32.42	1.03		13.13	7.62	0.37	7.25	0.71
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	40	9.38	32.53	1.34		13.74	12.11	0.52	11.60	0.44
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	50	8.10	32.86	1.63		19.88	17.44	0.10	17.34	0.24
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	70	8.06	33.29	1.97		27.07	24.18	0.06	24.12	0.08
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	99	8.03	33.67	2.18		32.62	27.70	0.06	27.64	0.02
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	150	7.64	33.93	2.45		40.87	31.81	0.04	31.77	
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	231	6.78	33.99	2.73		52.65	35.98	0.04	35.95	
W0109A	09/05/01	19:21	9	NH-45	44.65	-125.12	501	5.10	34.14	3.35		85.10	43.39	0.03	43.36	
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	1	16.74	32.19	0.36		4.80	0.13	0.02	0.11	0.19
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	9	16.71	32.18	0.38		5.06	0.41	0.02	0.39	0.20
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	21	9.54	32.47	0.91		7.67	4.52	0.33	4.19	0.62
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	30	8.94	32.51	0.95		9.93	7.70	0.25	7.45	0.54
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	35	8.60	32.53	1.19		11.96	9.35	0.13	9.22	0.55
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	40	8.44	32.53	1.22		13.16	10.12	0.10	10.02	0.52
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	50	8.10	32.56	1.34		16.25	12.92	0.07	12.85	0.35

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	70	8.08	33.05	1.75		21.56	19.17	0.06	19.11	0.15
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	100	8.05	33.68	2.30		33.92	28.23	0.04	28.18	0.02
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	150	7.61	33.94	2.64		47.58	34.15	0.04	34.11	
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	790	4.20	34.31	3.62		114.57	45.12	0.04	45.09	
W0109A	09/06/01	1:18	11	NH-65	44.65	-125.6	1006	3.71	34.41	3.62		121.75	45.51	0.04	45.47	
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	10	17.12	31.83	0.24		4.72	0.11	0.01	0.10	0.20
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	21	16.43	32.11	0.30		4.04	0.11	0.01	0.10	0.30
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	31	12.70	32.39	0.43		2.78	0.12	0.01	0.11	0.25
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	40	11.08	32.45	0.51		4.22	0.45	0.04	0.41	0.37
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	45	10.47	32.49	0.61		4.60	0.67	0.08	0.59	0.47
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	51	9.64	32.51	0.70		7.68	2.75	0.25	2.50	0.69
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	70	8.52	32.70	1.37		13.93	13.18	0.06	13.11	0.22
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	100	8.17	33.35	2.08		28.06	24.75	0.05	24.70	0.05
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	151	7.82	33.83	2.57		41.71	32.49	0.04	32.45	
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	780	4.12	34.29	3.48		111.87	46.20	0.03	46.17	
W0109A	09/06/01	4:14	12	NH-85	44.65	-126.05	1005	3.60	34.40	3.65		126.11	46.20	0.05	46.15	
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	2	9.53	33.34	2.07		25.35	22.07	0.18	21.89	2.81
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	2	9.40	33.37	2.25		27.25	23.22	0.24	22.98	2.79
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	4	9.33	33.38	2.33		29.14	24.20	0.25	23.95	2.83
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	10	8.95	33.44	2.46		32.57	27.08	0.24	26.85	1.23
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	15	8.72	33.49	2.46		33.87	27.38	0.23	27.15	1.18
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	20	8.55	33.55	2.51		35.53	28.00	0.23	27.77	0.95
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	25	8.46	33.59	2.53		37.90	28.25	0.23	28.01	0.68
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	30	8.27	33.63	2.65		41.09	30.13	0.25	29.88	0.62
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	35	8.03	33.71	2.77		44.87	31.90	0.21	31.69	0.37
W0109A	09/10/01	14:37	44	HH-01	44.00	-124.2	49	7.89	33.79	3.06		53.84	32.41	0.30	32.12	0.73
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	1	13.67	32.86	0.41		2.67	0.00	0.04	0.00	7.11
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	5	13.37	32.87	0.61		3.62	1.47	0.02	1.46	7.92
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	10	11.97	32.98	1.08		7.12	7.42	0.11	7.32	7.59
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	19	9.62	33.29	2.04		22.97	19.48	0.17	19.31	2.33
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	31	7.95	33.62	2.84		35.21	33.73	0.23	33.50	0.47
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	40	7.96	33.74	2.47		34.75	31.45	0.20	31.25	0.26
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	51	8.00	33.86	2.62		39.34	34.65	0.06	34.59	0.13
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	60	7.91	33.91	2.40		37.83	32.31	0.15	32.16	0.18
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	70	7.85	33.93	2.81		44.98	37.86	0.20	37.66	0.06
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	90	7.62	33.95			64.73	40.73	0.04	40.69	0.14
W0109A	09/10/01	11:50	43	HH-02	44.00	-124.4	100	7.61	33.96	3.33		68.98	40.04	0.26	39.78	0.13
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	2	14.01	32.84	0.43		2.27	0.79	0.03	0.76	4.56
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	10	14.00	32.84	0.44		2.51	0.87	0.03	0.84	4.63
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	14	13.99	32.84			2.62	1.18	0.04	1.14	4.51
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	20	13.02	32.85	0.95		5.23	6.17	0.11	6.06	3.66
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	30	8.17	32.98	2.02		24.61	22.32	0.09	22.22	0.53
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	40	7.90	33.38	2.15		29.59	26.10	0.13	25.98	0.31
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	50	7.83	33.57	2.33		34.11	29.50	0.11	29.39	0.12
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	60	7.86	33.69					0.04		4.31
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	71	7.89	33.81	2.39		40.76	32.20	0.16	32.03	0.05
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	101	7.64	33.99	2.85		53.71	36.36	0.12	36.24	0.09
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	118	7.63	34.01	2.73		48.36	35.84	0.07	35.77	0.04
W0109A	09/10/01	9:15	42	HH-03	44.00	-124.6	145	7.48	34.02	2.73		49.54	35.75	0.09	35.66	0.03
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	2	13.52	32.65	0.53		5.35	1.40	0.04	1.36	6.86
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	5	13.55	32.65	0.50		4.53	1.45	0.04	1.40	6.47

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	10	13.38	32.66	0.58		3.35	1.72	0.04	1.67	7.44
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	17	12.68	32.80	0.76		5.75	3.91	0.07	3.83	6.82
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	21	12.49	32.76	0.88		6.91	5.70	0.10	5.60	6.73
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	31	10.94	32.67	1.05		9.20	8.11	0.09	8.02	5.28
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	40	8.21	32.79	1.54		20.63	16.46	0.09	16.37	0.57
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	50	8.00	33.18	2.09		29.35	26.16	0.06	26.11	0.24
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	59	7.99	33.53	2.29		33.24	29.54	0.06	29.48	0.11
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	71	7.89	33.69	2.60		42.59	34.04	0.11	33.93	0.06
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	81	7.83	33.74	2.74		45.60	35.22	0.16	35.06	0.07
W0109A	09/10/01	6:03	40	HH-04	44.00	-124.8	105	7.70	33.86	3.00		53.45	37.69	0.26	37.42	0.07
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	2	14.40	32.50	0.42		4.64	1.39	0.03	1.36	3.82
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	10	13.94	32.53	0.43		4.68	1.44	0.04	1.40	4.71
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	16	13.84	32.55	0.47		4.98	1.54	0.04	1.50	5.31
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	19	13.78	32.55	0.52		5.51	2.14	0.08	2.06	4.89
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	31	12.26	32.53	0.93		10.40	7.50	0.22	7.28	2.93
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	39	8.54	32.75	1.59		21.47	18.21	0.18	18.03	0.31
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	50	8.13	33.11	1.86		25.24	23.62	0.06	23.57	0.20
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	71	8.16	33.48	2.16		33.09	28.75	0.06	28.69	0.06
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	99	7.83	33.73	2.72		45.65	36.19	0.07	36.12	0.04
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	150	7.55	33.96	2.88		54.36	38.21	0.09	38.13	
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	320	6.51	34.06	3.06		65.93	41.36	0.03	41.33	
W0109A	09/10/01	1:34	39	HH-05	44.00	-125.	500	5.47	34.10	3.31		81.83	45.08	0.03	45.05	
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	2	13.42	32.49	0.63		7.79	3.25	0.12	3.13	1.27
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	10	13.34	32.50	0.62		7.07	3.00	0.12	2.89	1.34
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	12	13.20	32.52	0.63		7.43	3.25	0.12	3.13	1.75
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	21	11.76	32.51	0.69		8.49	4.38	0.17	4.21	1.14
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	31	8.52	32.59	0.92		12.17	8.49	0.12	8.37	0.43
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	40	8.40	32.79	1.38		14.66	14.32	0.11	14.21	0.24
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	51	8.31	33.12	1.68		20.37	19.59	0.10	19.49	0.19
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	70	8.22	33.47	2.01		32.49	25.69	0.11	25.57	0.09
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	98	7.65	33.83	2.87		54.36	33.72	0.10	33.62	0.05
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	151	7.48	33.96	3.20		61.72	37.06	0.05	37.01	
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	315	6.73	34.04	2.91		58.39	37.41	0.04	37.37	
W0109A	09/09/01	22:58	37	HH-07	44.00	-125.2	1006	3.71	34.41	3.45		115.69	44.51	0.04	44.47	
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	2	10.89	33.42	2.16		32.62	21.71	0.47	21.24	1.23
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	5	10.89	33.42	2.01		32.15	20.16	0.45	19.71	1.24
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	10	10.80	33.44	2.13		33.46	21.73	0.48	21.25	1.16
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	15	9.03	33.75	2.25		32.53	23.24	0.54	22.70	0.82
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	22	8.82	33.80	2.64		40.67	30.13	0.65	29.48	1.06
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	26	8.79	33.81	2.72		42.56	30.32	0.67	29.65	1.10
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	30	8.71	33.83	2.72		43.04	30.52	0.69	29.83	0.90
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	40	8.67	33.84	2.61		40.11	29.02	0.67	28.35	0.85
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	43	8.66	33.84	2.75		44.36	30.96	0.71	30.25	0.90
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	50	8.46	33.85	2.75		45.19	31.36	0.68	30.69	0.57
W0109A	09/06/01	16:01	14	FM-03	43.22	-124.5	57	8.42	33.85	2.81		46.38	32.14	0.71	31.43	0.41
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	1	11.09	33.17	1.74		25.91	16.90	0.37	16.53	2.02
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	6	10.82	33.17	1.82		27.15	17.89	0.39	17.50	1.58
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	10	9.96	33.30	2.01		28.97	21.03	0.41	20.62	0.61
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	15	9.06	33.44	2.40		34.24	26.80	0.40	26.40	0.35
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	20	8.32	33.49	2.38		33.42	27.43	0.34	27.09	0.28
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	30	8.49	33.87	2.68		44.56	32.56	0.58	31.98	0.53
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	40	8.40	33.90	2.75		47.88	33.35	0.63	32.71	0.47

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	50	8.38	33.90	2.77		48.43	33.61	0.64	32.96	0.45
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	60	8.37	33.90	2.80		49.45	33.60	0.71	32.89	0.39
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	70	8.36	33.90	2.80		49.77	33.70	0.74	32.96	0.37
W0109A	09/06/01	17:26	15	FM-04	43.22	-124.58	82	8.34	33.91	2.69		48.25	33.59	0.73	32.86	0.33
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	2	12.38	32.66	0.92		11.95	7.18	0.18	7.00	2.64
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	5	12.08	32.59	1.09		12.19	9.45	0.19	9.25	1.81
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	10	9.86	32.63	1.27		14.31	12.21	0.21	12.01	1.05
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	20	8.57	32.76	1.51		17.83	16.21	0.19	16.02	0.78
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	30	8.45	32.89	1.75		21.47	20.25	0.19	20.06	0.73
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	40	8.42	33.27	2.33		31.29	27.57	0.26	27.30	0.22
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	51	8.15	33.53	2.38		33.67	29.18	0.22	28.96	0.10
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	60	8.30	33.75	2.65		38.85	32.01	0.52	31.50	0.14
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	70	8.36	33.88	2.84		45.94	33.86	0.68	33.18	0.14
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	101	8.04	33.95	2.63		46.88	33.80	0.30	33.49	0.13
W0109A	09/06/01	19:05	16	FM-05	43.22	-124.67	153	7.97	33.97	2.66		47.23	33.85	0.28	33.57	
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	3	14.88	32.30	0.28		6.28	0.39	0.01	0.38	0.77
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	10	14.86	32.30	0.35		6.14	0.44	0.02	0.43	0.78
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	15	14.16	32.30	0.44		4.16	0.70	0.03	0.67	0.66
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	20	11.94	32.58	0.66		4.95	3.58	0.14	3.44	5.17
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	30	9.88	32.86	1.07		8.95	9.93	0.46	9.46	0.38
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	40	9.71	33.00	1.18		11.81	11.86	0.41	11.45	0.24
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	50	9.45	33.15	1.52		20.77	17.37	0.52	16.85	0.14
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	70	8.43	33.40	1.85		24.08	22.61	0.03	22.58	0.07
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	100	8.07	33.84	2.45		36.61	31.05	0.01	31.04	0.02
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	150	7.82	33.99	2.61		46.98	33.67	0.02	33.66	
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	277	6.79	34.07	2.98		58.58	37.87	0.02	37.85	
W0109A	09/06/01	22:07	18	FM-07	43.22	-124.83	300	6.59	34.07	2.99		61.67	37.86	0.01	37.85	
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	3	16.19	32.13	0.21		4.96	0.38	0.01	0.37	0.20
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	10	16.15	32.15	0.13		4.99	0.49	0.01	0.47	0.22
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	20	15.97	32.18	0.34		5.02	0.64	0.02	0.63	0.22
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	30	11.98	32.68	0.48		5.29	3.56	0.18	3.38	0.40
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	40	10.99	32.79	0.94		7.48	6.92	0.37	6.55	0.43
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	45	10.26	32.86	0.75		10.15	9.14	0.38	8.76	0.39
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	49	10.29	32.93	1.13		9.34	10.59	0.51	10.08	0.37
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	70	9.81	33.23	1.58		15.37	17.79	0.85	16.94	0.12
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	100	8.79	33.66	2.25		31.34	28.63	0.03	28.60	0.03
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	151	8.02	33.93	2.65		44.10	35.12	0.04	35.09	
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	710	4.51	34.26	3.49		106.14	47.69	0.03	47.66	
W0109A	09/06/01	1:18	19	FM-08	43.22	-125.	1006	3.73	34.41	3.61		124.53	47.52	0.07	47.45	
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	4	17.24	32.22	0.22		3.67	0.44	0.01	0.43	0.10
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	9	17.24	32.21	0.13		3.21	0.43	0.01	0.42	0.10
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	20	15.34	32.35	0.32		2.53	0.48	0.01	0.47	0.13
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	30	10.91	32.55	0.47		4.48	0.59	0.01	0.57	0.27
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	40	10.09	32.57	0.52		6.20	1.61	0.10	1.51	0.74
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	45	9.78	32.58	0.61		6.70	2.47	0.17	2.30	0.67
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	70	9.03	32.71	1.03		11.05	10.32	0.06	10.26	0.21
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	100	8.31	33.39	1.91		26.19	24.30	0.03	24.27	0.04
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	150	7.99	33.83	2.42		38.46	31.56	0.03	31.53	
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	651	4.57	34.21	3.61		104.82	47.26	0.03	47.24	
W0109A	09/06/01	3:22	20	FM-09	43.22	-125.17	1006	3.71	34.41	3.65		128.72	47.58	0.03	47.55	
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	1	8.70	33.89	2.67		46.28	32.29	0.30	31.99	0.59

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	5	8.68	33.89	2.67		45.02	31.41	0.29	31.12	0.54
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	10	8.68	33.89	2.59		45.17	32.41	0.30	32.11	0.05
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	15	8.54	33.90	2.58		45.32	32.63	0.26	32.37	0.49
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	20	8.18	33.94	2.69		47.69	34.07	0.21	33.87	0.13
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	25	8.06	33.97	2.64		47.72	34.19	0.18	34.00	0.13
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	30	7.91	33.99	2.75		49.16	35.08	0.20	34.88	0.10
W0109A	09/09/01	14:07	36	RR-01	42.50	-124.5	32	7.59	34.01	2.74		52.83	34.97	0.20	34.77	0.41
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	1	8.83	33.75	2.41		37.17	29.61	0.33	29.28	0.87
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	5	8.79	33.77	2.41		37.89	29.67	0.35	29.31	0.73
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	10	8.73	33.77	2.55		38.87	30.50	0.33	30.17	0.73
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	20	8.62	33.81	2.36		38.31	28.89	0.29	28.60	0.75
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	27	8.47	33.82	2.39		37.04	30.23	0.31	29.91	0.57
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	30	8.28	33.88	2.49		41.52	31.17	0.16	31.01	0.31
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	40	8.04	33.96	2.60		45.32	33.00	0.11	32.89	0.08
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	50	7.97	33.98	2.70		46.51	34.50	0.12	34.38	0.07
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	60	7.97	33.99	2.67		45.84	33.51	0.16	33.35	0.07
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	69	7.93	33.99	2.68		47.05	34.17	0.18	34.00	0.07
W0109A	09/09/01	12:50	35	RR-02	42.50	-124.6	81	7.89	34.00	2.71		49.07	34.06	0.22	33.85	0.07
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	2	9.18	33.21	1.56		23.90	20.32	0.27	20.05	0.45
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	5	9.04	33.34	1.99		25.22	23.04	0.29	22.75	0.48
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	10	8.93	33.35	2.02		26.54	24.49	0.29	24.20	0.43
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	20	8.81	33.45	2.12		28.69	25.93	0.34	25.59	0.43
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	30	8.72	33.55	2.19		30.00	27.04	0.37	26.67	0.39
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	40	8.68	33.57	2.11		28.74	25.66	0.36	25.30	0.41
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	50	8.68	33.59	2.15		30.19	26.71	0.35	26.36	0.41
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	54	8.68	33.60	2.08		29.50	26.10	0.34	25.76	0.46
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	60	8.67	33.61	2.12		30.59	26.27	0.32	25.95	0.45
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	71	8.69	33.64	2.16		30.85	26.88	0.35	26.53	0.44
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	100	8.32	33.91	2.52		45.78	32.82	0.39	32.43	0.09
W0109A	09/09/01	11:33	34	RR-03	42.50	-124.7	124	8.00	33.98	2.48		51.44	34.49	0.28	34.21	0.08
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	2	9.46	33.06	1.73		20.81	18.47	0.21	18.26	0.52
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	10	9.45	33.06	1.76		21.08	19.12	0.22	18.90	0.51
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	21	9.06	33.22	2.02		23.28	21.83	0.25	21.58	0.49
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	31	9.05	33.23	1.85		22.58	21.16	0.25	20.91	0.55
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	35	9.05	33.23	1.94		24.77	22.15	0.27	21.88	0.57
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	40	9.06	33.25	1.96		24.56	22.75	0.26	22.48	0.59
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	51	8.98	33.27	1.93		24.47	22.35	0.26	22.08	0.50
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	70	8.65	33.46	2.05		27.38	24.61	0.20	24.41	0.20
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	100	8.29	33.90	2.60		40.46	32.65	0.31	32.34	0.09
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	151	7.60	34.02	2.65		48.63	34.97	0.11	34.87	
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	231	7.20	34.04	2.83		53.09	36.30	0.06	36.24	
W0109A	09/09/01	9:58	33	RR-04	42.50	-124.8	590	5.12	34.21	3.42		89.40	42.73	0.05	42.68	
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	2	12.03	32.73	0.92		10.86	6.88	0.18	6.71	0.81
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	10	12.14	32.74	0.98		11.13	7.20	0.20	7.01	0.89
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	16	11.60	32.80	1.02		11.04	7.47	0.24	7.23	0.59
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	20	11.34	32.79	1.11		10.96	7.96	0.29	7.67	0.55
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	30	10.72	33.19	1.73		20.09	16.22	0.39	15.83	0.24
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	40	9.57	33.38	2.03		23.72	21.26	0.45	20.81	0.18
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	49	8.93	33.42	2.27		26.61	25.75	0.41	25.34	0.08
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	72	8.25	33.67	2.43		33.23	30.18	0.02	30.16	0.02
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	100	8.02	33.84	2.44		37.33	31.45	0.08	31.37	0.01
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	150	7.79	33.99	2.78		45.98	35.88	0.05	35.83	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	751	4.29	34.28	3.68		102.05	47.25	0.01	47.24	
W0109A	09/09/01	7:46	32	RR-06	42.50	-125.	1005	3.57	34.40	3.68		125.55	46.96	0.01	46.96	
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	3	13.86	32.60	0.45		8.57	2.62	0.05	2.58	1.84
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	10	13.89	32.61	0.50		9.80	2.67	0.07	2.60	1.71
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	20	13.84	32.61	0.56		10.07	2.77	0.06	2.71	1.83
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	24	13.54	32.61	0.66		10.34	3.54	0.10	3.43	1.59
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	30	10.21	33.00	1.59		20.20	15.91	0.42	15.49	0.63
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	39	9.64	33.15	1.97		22.62	20.62	0.43	20.18	0.26
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	51	8.76	33.35	2.21		27.44	26.05	0.39	25.66	0.15
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	70	8.36	33.66	2.23		31.07	28.37	0.03	28.34	0.02
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	100	8.06	33.87	2.45		35.88	30.02	0.03	30.00	0.02
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	150	7.58	33.99	2.65		47.77	34.07	0.06	34.01	
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	785	4.34	34.33	3.59		107.79	45.38	0.06	45.32	
W0109A	09/09/01	5:40	31	RR-07	42.50	-125.2	1005	3.61	34.40	3.64		114.76	47.32	0.02	47.29	
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	3	8.56	33.91	2.69		44.09	31.33	0.28	31.05	0.51
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	5	8.56	33.91	2.67		44.48	31.64	0.28	31.36	0.49
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	9	8.56	33.91	2.49		44.64	31.57	0.26	31.30	0.50
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	14	8.56	33.91	2.62		45.02	31.55	0.28	31.27	0.51
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	20	8.55	33.91	2.65		43.28	31.59	0.28	31.31	0.48
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	23	8.56	33.91	2.59		43.67	31.74	0.29	31.45	0.51
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	25	8.55	33.91	2.67		43.82	31.83	0.29	31.55	0.51
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	29	8.56	33.91	2.64		43.27	31.93	0.29	31.64	0.55
W0109A	09/07/01	13:41	21	CR-01	41.90	-124.3	36	8.55	33.91	2.63		43.66	31.58	0.28	31.30	0.53
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	2	9.27	33.77	2.05		28.47	25.75	0.28	25.48	1.94
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	5	9.27	33.78	2.12		29.69	26.23	0.28	25.95	2.05
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	10	9.26	33.78	2.12		30.19	26.32	0.28	26.05	2.09
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	20	9.24	33.78	2.17		30.34	26.53	0.28	26.25	1.91
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	60	9.03	33.81	2.17		32.98	28.27	0.27	28.00	1.18
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	69	8.62	33.86	2.20		35.72	29.90	0.19	29.71	0.49
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	86	8.33	33.95	2.43		43.31	32.74	0.15	32.58	0.09
W0109A	09/07/01	17:07	23	CR-03	41.90	-124.5	99	8.28	33.96	2.68		46.18	33.27	0.18	33.09	0.07
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	4	9.56	33.69	2.12		26.06	24.80	0.35	24.45	0.54
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	10	9.55	33.69	2.02		26.92	24.51	0.35	24.16	0.52
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	20	9.55	33.69	2.10		26.94	24.55	0.31	24.24	0.53
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	30	9.43	33.69	2.01		26.04	23.93	0.30	23.63	0.44
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	36	9.27	33.69	2.16		28.92	26.38	0.19	26.19	0.26
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	40	8.78	33.75	2.27		29.17	26.38	0.06	26.32	0.06
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	52	8.64	33.79	2.14		29.91	26.35	0.06	26.29	0.09
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	70	8.34	33.89	2.05		35.62	29.63	0.06	29.57	0.06
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	100	8.13	33.99	2.53		40.14	32.13	0.05	32.08	0.05
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	151	7.74	34.05	2.73		46.08	34.81	0.05	34.76	
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	205	7.43	34.07	2.85		50.35	35.62	0.04	35.58	
W0109A	09/07/01	20:35	24	CR-04	41.90	-124.6	450	5.74	34.10	3.26		74.95	40.87	0.04	40.83	
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	11	9.83	33.65	1.96		24.98	23.40	0.44	22.97	0.50
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	17	9.83	33.65	2.00		25.23	23.51	0.44	23.07	0.49
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	20	9.83	33.65	2.00		25.48	23.34	0.44	22.91	0.47
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	32	9.82	33.65	2.00		25.01	23.34	0.44	22.90	0.53
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	49	9.80	33.65	2.00		25.50	23.45	0.44	23.01	0.47
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	70	9.30	33.70	1.85		26.81	25.26	0.28	24.98	0.20
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	100	8.67	33.80	2.36		33.82	30.15	0.08	30.07	0.07
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	149	8.04	33.97	2.57		41.42	32.57	0.08	32.49	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	500	5.28	34.15	3.42		84.74	43.24	0.04	43.20	
W0109A	09/08/01	0:18	25	CR-05	41.90	-124.7	624	4.95	34.26	3.57		93.76	44.33	0.07	44.26	
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	3	9.57	32.85	1.22		11.95	10.84	0.20	10.64	0.37
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	10	9.55	32.86	1.18		11.84	10.95	0.21	10.74	0.30
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	20	9.55	32.85	1.03		11.85		0.14		0.39
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	30	9.55	32.86	1.26		11.86	11.49	0.20	11.29	0.42
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	37	9.54	32.87	1.26		11.63	11.54	0.19	11.35	0.42
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	40	9.51	32.88	1.28		11.87	11.76	0.20	11.56	0.40
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	51	9.43	33.18	1.67		16.39	17.86	0.49	17.37	0.14
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	101	8.66	33.61	2.06		26.60	24.90	0.05	24.85	0.04
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	151	8.31	33.91	2.45		38.95	31.22	0.04	31.18	
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	499	5.60	34.17							
W0109A	09/08/01	16:00	27	CR-07	41.90	-125.	838	4.16	34.37	3.58		110.87	45.73	0.06	45.67	
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	3	11.03	32.78	0.91		8.15	6.20	0.27	5.92	0.50
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	10	11.00	32.78	0.94		8.16	6.25	0.27	5.98	0.52
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	20	10.83	32.77	0.93		8.17	6.08	0.27	5.81	0.52
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	29	10.63	32.74	0.93		8.18	6.08	0.27	5.81	0.54
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	32	10.62	32.76	0.93		8.67	6.24	0.28	5.96	0.51
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	41	10.76	32.89	1.01		10.81	8.88	0.35	8.53	0.38
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	49	10.43	33.23	1.38		11.53	13.11	0.37	12.74	0.30
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	69	9.89	33.37	1.67		16.76	17.34	0.41	16.94	0.31
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	101	9.02	33.66	2.05		26.38	24.82	0.05	24.77	0.08
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	150	8.45	33.90	2.48		37.43	31.03	0.07	30.96	
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	359	6.26	34.05			63.89	39.33	0.03	39.30	
W0109A	09/08/01	22:50	29	CR-09	41.90	-125.4	1005	3.71	34.42	3.73		123.34	46.70	0.03	46.67	
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	3	13.29	32.77	0.69		9.80	4.40	0.15	4.25	0.97
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	11	13.29	32.77	0.70		9.83	4.35	0.14	4.20	0.91
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	16	13.20	32.77	0.68		9.51	4.18	0.14	4.04	0.84
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	20	13.13	32.77	0.73		9.65	4.40	0.14	4.26	0.97
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	30	13.01	32.80	0.74		9.57	5.13	0.16	4.97	0.87
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	40	12.75	32.80	0.79		10.42	5.46	0.18	5.28	0.91
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	49	12.46	32.80	0.86		11.27	6.57	0.23	6.34	0.66
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	69	10.28	33.42	1.63		19.16	18.23	0.80	17.42	0.34
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	99	8.65	33.68	1.95		30.92	26.44	0.05	26.39	0.05
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	149	7.78	33.93	2.34		41.39	30.77	0.05	30.72	
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	719	4.48	34.31			101.72		0.03		
W0109A	09/09/01	1:01	30	CR-10	41.90	-125.7	1006	3.71	34.42	3.33		115.71	45.48	0.04	45.43	
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	2	10.69	30.92	0.83		18.24	9.45	0.27	9.17	0.93
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	5	10.74	30.97	0.89		17.38	9.39	0.26	9.14	0.90
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	10	11.35	32.12	0.81		9.11	5.47	0.23	5.24	0.41
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	15	11.41	32.34	0.84		8.74	5.53	0.23	5.30	0.35
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	21	11.46	32.43	0.87		8.74	5.41	0.24	5.18	0.32
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	25	11.56	32.55	0.96		6.55	6.22	0.24	5.99	0.29
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	31	11.70	32.62	0.83		7.76	5.77	0.24	5.53	0.30
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	40	11.50	32.63	0.89		7.27	5.88	0.25	5.63	0.30
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	50	11.55	32.65	0.90		8.49	5.95	0.26	5.69	0.27
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	53	11.63	32.70	0.93		8.36	6.30	0.26	6.04	0.24
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	3	11.10	32.38	0.74		7.09	4.62	0.18	4.44	0.58
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	5	11.10	32.38	0.77		6.84	4.79	0.17	4.63	0.57
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	10	11.10	32.38	0.84		7.57	4.80	0.18	4.62	0.57
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	20	11.08	32.38	0.84		7.56	4.97	0.18	4.80	0.57

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	30	11.08	32.41	0.84		8.05	5.44	0.19	5.25	0.54
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	34	11.07	32.42	0.87		7.56	5.44	0.19	5.25	0.56
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	40	11.05	32.45	0.75		7.19	5.27	0.20	5.07	0.60
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	50	11.09	32.50	0.87		7.06	6.43	0.25	6.18	0.41
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	61	11.13	32.84	1.12		11.32	8.46	0.33	8.13	0.18
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	71	10.43	33.21	1.50		18.00	15.45	0.40	15.06	0.18
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	85	10.00	33.37	1.69		24.68	18.69	0.42	18.27	0.15
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	3	10.96	32.44	0.89		8.82	6.26	0.24	6.02	0.49
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	10	10.96	32.44	0.85		8.82	5.97	0.25	5.73	0.47
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	20	10.96	32.44	0.91		9.06	6.38	0.24	6.14	0.42
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	30	10.96	32.44	0.90		9.30	6.67	0.25	6.43	0.27
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	40	11.01	32.52	0.97		9.54	7.95	0.28	7.67	0.16
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	50	10.41	32.73	1.25		13.06	11.53	0.27	11.26	0.09
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	70	9.75	33.45	1.81		28.01	20.79	0.25	20.54	0.48
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	100	9.33	33.60	2.14		29.23	24.08	0.05	24.04	0.08
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	149	8.82	33.78	2.38		36.76	28.25	0.06	28.18	0.05
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	200	8.44	33.91	2.56		40.65	30.27	0.04	30.24	
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	250	7.91	33.97	2.39		51.35	31.84		31.84	
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	4	11.01	32.41	0.82		6.72	4.37	0.17	4.19	0.60
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	10	11.02	32.40	0.91		8.19	4.95	0.19	4.76	0.60
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	20	10.97	32.43	0.91		8.43	4.62	0.17	4.45	0.58
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	25	10.91	32.46	0.91		7.20	4.76	0.16	4.60	0.86
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	30	10.87	32.47	0.87		8.43	5.63	0.16	5.47	0.62
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	39	10.56	32.60	1.06		9.65	7.87	0.22	7.65	0.23
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	50	9.52	32.88	1.33		13.70	12.09	0.11	11.99	0.09
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	70	8.75	33.17	1.72		19.97	17.91	0.07	17.84	0.05
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	100	8.95	33.70	2.31		33.86	26.45	0.07	26.38	0.06
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	150	8.49	33.87	2.51		39.39	30.11	0.05	30.06	
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	420	5.62	34.09	3.33		80.21	41.04	0.05	40.99	
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	2	9.70	31.95	0.67	Deleted	2.33	2.39	0.18	2.21	4.91
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	5	9.70	31.94	0.54	due to	2.08	2.18	0.14	2.04	4.94
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	10	9.70	31.95	0.68	poor data	2.07	2.70	0.18	2.52	5.11
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	15	9.69	32.15	0.68	quality	1.83	2.78	0.17	2.61	5.59
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	20	9.69	32.29	0.75		2.07	3.14	0.18	2.96	5.42
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	25	9.70	32.34	0.76		2.06	3.33	0.20	3.13	5.33
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	31	9.73	32.41	0.85		3.54	4.42	0.22	4.20	4.35
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	41	9.74	32.46	0.88			5.01	0.24	4.77	3.93
W0202A	02/20/02	1:23	3	NH-05	44.65	-124.18	54	9.73	32.48	0.97		4.76	5.60	0.25	5.36	3.50
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	4	9.60	32.03	0.68		1.63	2.77	0.18	2.59	3.21
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	5	9.60	32.03	0.67		1.75	2.62	0.18	2.44	3.28
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	10	9.60	32.04	0.66		1.62	2.69	0.18	2.52	3.19
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	20	9.63	32.22	0.86		3.34	3.90	0.18	3.72	2.67
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	32	9.72	32.44	0.96		4.32	5.40	0.18	5.22	0.98
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	43	9.68	32.65	1.11		8.25	7.58	0.21	7.36	1.18
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	51	9.62	32.69	1.08		9.47	9.70	0.24	9.46	0.81
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	63	9.61	32.71	1.17		9.72	10.17	0.22	9.95	0.74
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	71	9.49	32.85	1.44		17.83	13.89	0.17	13.72	0.70
W0202A	02/20/02	4:55	5	NH-15	44.65	-124.41	88	9.42	33.11	1.62		19.79	15.89	0.20	15.69	0.68
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	3	9.53	31.98	0.77		4.26	4.84	0.22	4.62	1.06
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	10	9.53	31.98	0.75		4.38	4.86	0.22	4.64	1.09
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	19	9.59	32.02	0.78		4.37	4.99	0.26	4.73	1.54

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	31	9.54	32.06	0.78		4.37	5.12	0.24	4.88	1.96
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	39	9.58	32.14	0.89		6.08	6.22	0.24	5.98	1.45
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	50	9.74	32.40	1.11		9.03	8.46	0.22	8.24	0.50
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	73	9.78	32.73	1.17		16.04	12.11	0.08	12.03	0.15
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	101	8.98	33.54	2.16		32.38	24.58	0.07	24.51	0.20
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	150	8.14	33.88	2.61		41.36	31.88	0.10	31.78	0.09
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	199	7.74	33.96	2.58		43.57	31.84	0.04	31.79	0.06
W0202A	02/20/02	8:04	7	NH-25	44.65	-124.65	249	7.43	33.99	2.60		45.53	34.58	0.03	34.55	0.04
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	3	9.38	32.47	0.88		7.64	6.48	0.28	6.20	0.66
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	11	9.30	32.47	0.86		7.65	6.48	0.28	6.21	0.68
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	17	9.27	32.47	0.85			6.77	0.31	6.46	0.71
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	20	9.25	32.47	0.88		7.25	5.92	0.26	5.67	0.74
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	30	9.26	32.48	0.84		6.81	5.93	0.28	5.64	0.80
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	40	9.25	32.48	0.82		7.29	6.39	0.31	6.08	0.79
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	49	9.30	32.50	0.86		7.66	6.51	0.30	6.20	0.69
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	71	9.69	32.96	1.34		16.46	14.03	0.10	13.93	0.28
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	99	9.13	33.50	1.92		26.96	23.03	0.06	22.97	0.09
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	151	8.11	33.91	2.33		39.28	30.61	0.07	30.54	0.05
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	366	6.19	34.06	2.62		65.28	35.55	0.05	35.50	
W0202A	02/20/02	23:09	11	NH-35	44.65	-124.88	435	5.81	34.08	2.70		69.29	36.65	0.06	36.59	
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	2	9.54	32.45	0.80		4.86	4.72	0.29	4.43	1.74
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	10	9.52	32.46	0.80		4.66	4.84	0.28	4.56	1.84
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	20	9.51	32.46	0.77		4.67	4.84	0.28	4.57	2.00
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	30	9.51	32.46	0.80		6.06	5.30	0.30	5.00	1.92
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	39	9.51	32.47	0.83		5.52	5.53	0.30	5.23	1.90
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	49	9.52	32.49	0.83		6.11	5.71	0.28	5.43	1.52
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	69	9.78	32.87	1.21		13.99	12.49	0.11	12.38	0.27
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	100	8.47	33.47	1.95		27.00	24.68	0.06	24.62	0.06
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	149	7.82	33.87	2.13		37.05	28.50	0.05	28.45	0.02
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	501	5.28	34.12	3.21		79.68	42.68	0.05	42.63	0.00
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	520	5.21	34.13	3.26		78.69	44.06	0.03	44.03	
W0202A	02/20/02	21:18	10	NH-45	44.65	-125.12	656	4.57	34.23	3.38		95.11	45.20	0.05	45.14	
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	2	8.60	32.34	0.79		6.64	6.04	0.17	5.87	0.25
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	10	8.54	32.34	0.85		7.23	5.81	0.16	5.65	0.25
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	21	8.52	32.34	0.82		8.62	6.61	0.19	6.43	0.24
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	30	8.52	32.34	0.92		7.15	6.90	0.19	6.71	0.27
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	38	8.53	32.34	1.01		9.12	7.48	0.21	7.27	0.29
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	50	8.58	32.36	1.02		9.14	7.54	0.21	7.33	0.16
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	70	8.78	32.41	1.03		9.51	8.00	0.16	7.84	0.27
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	100	7.94	33.04	1.64		19.56	18.88	0.07	18.81	0.05
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	151	7.75	33.76	2.20		34.04	29.25	0.06	29.19	0.02
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	783	4.17	34.31	3.44		105.27	43.94	0.04	43.90	
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	1004	3.66	34.41	3.59		120.79	46.96	0.05		
W0202A	02/20/02	18:27	9	NH-65	44.65	-125.6	1006	3.66	34.41	3.47			44.92	0.04	44.87	
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	5	9.25	33.28	2.04	0.66	35.85	21.58	0.30	21.28	2.66
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	10	8.94	33.39	2.19	0.67	38.54	23.39	0.27	23.12	2.71
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	15	8.71	33.47	2.31	0.47	41.46	25.45	0.25	25.20	2.54
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	20	8.38	33.63	2.51	0.47	46.74	29.32	0.20	29.12	1.13
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	25	8.09	33.79	2.49	0.68	46.83	29.26	0.17	29.10	0.89
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	30	8.09	33.80	2.46	0.24	47.63	30.69	0.13	30.56	0.55
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	40	7.86	33.88	2.51	0.30	47.02	30.01	0.12	29.88	0.16
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	50	7.82	33.90	2.61	0.44	49.94	31.17	0.17	31.00	0.17

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/05/02	0:53	3	NH-05	44.65	-124.18	56	7.80	33.91	2.65	1.25	52.98	31.91	0.20	31.71	0.21
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	2	8.97	31.60	0.44	0.43	2.40	2.30	0.07	2.23	0.64
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	5	8.97	31.60	0.56	0.52	3.79	2.41	0.16	2.25	0.67
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	10	8.96	31.60	0.58	0.64	4.24	2.51	0.16	2.35	0.68
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	20	8.87	31.70	0.61	0.61	4.21	2.73	0.17	2.56	0.66
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	30	8.95	32.09	0.69	0.79	4.77	4.42	0.24	4.18	0.75
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	40	8.98	32.25	0.81	0.79	6.87	5.69	0.34	5.35	0.73
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	50	8.94	32.44	0.96	1.10	7.79	7.23	0.33	6.89	0.37
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	60	9.10	32.69	1.14		10.60	11.20	0.11	11.09	0.20
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	70	9.02	33.16	1.77		22.48	19.20	0.02	19.18	0.15
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	74	8.98	33.22	1.92		23.28	20.16	0.03	20.12	0.14
W0204A	04/05/02	3:51	5	NH-15	44.65	-124.41	88	8.65	33.49	1.95		27.50	22.06	0.06	22.00	0.08
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	2	9.72	31.07	0.19	0.14		0.04	0.00	0.04	1.29
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	10	9.47	31.43	0.29	0.00		0.00	0.01	0.00	1.34
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	17	9.30	31.69	0.38	0.67	2.63	0.04	0.02	0.02	4.05
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	20	9.29	31.71	0.45	0.52	2.84	0.24	0.04	0.20	3.50
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	30	9.13	32.25	0.77	0.57	6.59	4.43	0.22	4.21	0.90
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	40	8.98	32.37	0.83	0.62	7.27	5.59	0.25	5.35	0.33
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	50	8.93	32.42	0.92	0.18	7.60	6.97	0.37	6.60	0.24
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	70	8.90	32.68	1.27	0.20	13.82	12.43	0.12	12.31	0.09
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	100	8.81	33.57	1.96	0.13	30.20	25.41	0.01	25.40	0.05
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	150	8.05	33.90	2.15	0.07	42.42	29.86	0.05	29.81	0.60
W0204A	04/05/02	7:02	7	NH-25	44.65	-124.65	200	7.40	33.99	2.55	0.21	46.65	32.67	0.06	32.61	
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	1	9.79	31.36	0.22	0.07	0.57	0.00	0.02	0.00	2.13
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	5	9.73	31.48	0.30	0.27	2.16	0.10	0.03	0.07	3.08
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	10	9.55	31.66	0.54	0.33	3.27	1.17	0.07	1.10	4.53
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	20	9.10	32.35	0.79	0.35	6.67	4.72	0.21	4.51	0.76
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	30	8.94	32.40	0.87	0.60	7.66	6.03	0.30	5.73	0.37
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	40	8.82	32.41	0.93	0.65	8.40	6.57	0.29	6.27	0.31
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	50	8.87	32.46	0.98	0.53	8.89	7.38	0.33	7.06	0.18
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	70	8.81	32.77	1.27	0.01	13.03	11.21	0.06	11.15	0.08
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	100	8.86	33.38	1.85	0.07	28.32	20.07	0.03	20.04	0.05
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	150	8.22	33.85	2.43	0.00	42.03	31.29	0.03	31.26	
W0204A	04/05/02	10:17	8	NH-35	44.65	-124.88	427	5.33	34.12	3.23		77.19	41.96	0.03	41.93	
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	2	9.85	31.32	0.28	1.11	2.33	0.00	0.02	0.00	0.99
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	10	9.82	31.61	0.37	0.15	2.59	0.08	0.03	0.05	2.11
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	19	9.47	32.20	0.49	0.18	2.60	0.95	0.08	0.87	2.72
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	25	9.22	32.36	0.75	0.47	5.89	4.17	0.18	3.99	1.19
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	30	9.12	32.40	0.83	0.64	6.99	5.26	0.21	5.05	0.70
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	40	9.05	32.42	0.89	0.70	7.49	5.96	0.21	5.75	0.52
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	50	8.93	32.46	0.90	0.23	8.11	5.95	0.16	5.79	0.54
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	69	8.95	32.51	0.95	0.46	8.37	7.09	0.26	6.83	0.35
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	100	8.75	32.75	1.25	0.18	14.33	12.50	0.24	12.27	0.10
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	150	8.25	33.83	2.34	0.28	38.10	30.46	0.03	30.43	
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	499	5.31	34.12	3.26	0.07	85.38	42.83	0.02	42.80	
W0204A	04/05/02	13:47	9	NH-45	44.65	-125.12	680	4.60	34.22	3.47	0.00	102.84	45.45	0.02	45.42	
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	1	10.00	31.40	0.26	0.02	0.70	0.00	0.01	0.00	0.91
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	10	9.92	31.50	0.33	0.00	2.02	0.00	0.03	0.00	1.11
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	15	9.23	32.12	0.68	0.02	6.01	3.31	0.09	3.22	1.24
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	20	8.77	32.40	0.92	0.00	8.90	5.98	0.11	5.87	0.62
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	30	8.67	32.41	0.95	0.04	9.13	6.31	0.11	6.20	0.53

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	40	8.57	32.41	0.96	0.14	9.35	6.70	0.13	6.57	0.45
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	50	8.35	32.41	1.08	0.50	7.88	6.53	0.18	6.34	0.23
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	70	8.99	32.65	1.25	0.00	12.84	11.60	0.26	11.33	0.10
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	100	8.38	33.33	1.90	0.08	26.04	22.73	0.03	22.70	0.05
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	150	8.03	33.80	2.22	0.00	35.24	27.97	0.03	27.94	
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	600	4.96	34.17	3.45	0.00	90.75	43.90	0.02	43.88	
W0204A	04/05/02	20:09	11	NH-65	44.65	-125.6	1005	3.70	34.40	3.41	0.00	124.68	46.07	0.02	46.05	
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	1	9.92	32.22	0.44	0.04	0.90	0.30	0.07	0.23	2.04
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	4	9.92	32.22	0.46	0.04	0.63	0.30	0.08	0.22	2.09
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	10	9.91	32.22	0.43	0.19	0.86	0.29	0.07	0.22	1.93
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	20	9.83	32.23	0.53	0.23	1.82	0.85	0.08	0.77	1.76
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	30	9.56	32.49	0.72	0.34	5.08	3.74	0.14	3.59	0.82
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	40	9.44	32.51	0.82	0.59	6.15	5.07	0.18	4.89	0.44
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	50	9.11	32.50	0.87	0.32	6.86	5.74	0.20	5.54	0.40
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	70	8.95	32.51	0.93	0.33	7.45	6.96	0.29	6.67	0.24
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	100	8.96	32.91	1.36	0.00	16.77	15.48	0.07	15.41	0.10
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	150	8.39	33.67	2.17	0.00	32.40	27.57	0.04	27.53	
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	285	6.92	34.02	2.72	0.00	54.57	35.97	0.03	35.95	
W0204A	04/05/02	23:13	12	NH-85	44.65	-126.05	1005	3.65	34.41	3.42	0.08	123.66	44.77	0.02	44.76	
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	2	10.10	32.51	0.28	0.29	2.74	0.22	0.05	0.17	8.25
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	5	10.02	32.51	0.30	0.33	8.30	0.33	0.05	0.28	8.70
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	10	9.72	32.53	0.50	0.00	6.46	2.67	0.09	2.57	7.64
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	15	8.97	32.81	1.41	0.00	17.85	14.42	0.21	14.20	3.34
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	20	8.95	33.01	1.60	0.00	22.07	17.98	0.14	17.84	0.78
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	25	8.88	33.20	1.83	0.14	26.42	21.32	0.11	21.21	0.93
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	29	8.75	33.35		0.00	32.95	24.43	0.06	24.37	0.70
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	40	8.46	33.66	2.36	0.77	39.00	28.33	0.26	28.06	0.32
W0204A	04/09/02	12:45	40	HH-01	44.00	-124.2	48	8.44	33.67	2.13	0.90	40.80	24.43	0.26	24.17	0.45
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	3	9.64	32.72	0.74	0.09	10.19	4.94	0.12	4.83	11.38
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	4	9.64	32.72	0.76	0.07	10.40	4.99	0.13	4.87	11.47
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	10	9.64	32.72	0.76	0.61	10.12	5.05	0.12	4.93	11.94
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	20	9.55	32.79	0.95	0.09	14.08	6.71	0.12	6.59	10.53
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	24	9.19	33.04	1.37	0.11	21.30	13.32	0.13	13.19	7.09
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	30	8.63	33.49	2.14	0.04	34.21	24.88	0.09	24.79	0.61
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	40	8.26	33.72	2.34	0.00	40.94	29.13	0.08	29.05	0.21
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	50	8.09	33.83	2.52	0.21	47.08	30.95	0.06	30.89	0.18
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	60	7.98	33.85	2.48	0.09	46.32	30.36	0.05	30.31	0.13
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	70	7.67	33.96	2.54	0.02	46.17	32.78	0.07	32.71	0.07
W0204A	04/09/02	14:20	41	HH-02	44.00	-124.4	100	7.33	34.00	2.64	1.04	50.97	33.69	0.07	33.62	0.06
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	2	9.49	31.17	0.34	0.23	3.07	0.18	0.09	0.09	1.21
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	10	9.49	31.17	0.37	0.23	3.40	0.39	0.09	0.30	1.14
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	20	9.26	31.49	0.50	0.38	4.21	2.01	0.16	1.84	2.47
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	30	8.83	32.50	1.14	0.07	13.00	10.18	0.33	9.84	1.05
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	40	8.84	32.93	1.61	0.00	23.00	17.06	0.18	16.88	0.77
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	50	8.67	33.46	2.06	0.00	32.28	23.99	0.07	23.93	0.59
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	59	8.44	33.64	2.25	0.03	36.96	28.02	0.06	27.97	0.20
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	69	8.31	33.71	2.24	0.05	41.28	28.61	0.06	28.55	0.12
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	100	7.34	33.94	2.94	0.30	44.63	33.93	0.16	33.77	0.10
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	125	6.85	34.03	2.82	0.41	59.47	35.65	0.08	35.57	0.09
W0204A	04/09/02	16:19	42	HH-03	44.00	-124.6	144	6.60	34.04	2.78	0.00	63.67	35.49	0.07	35.41	0.07
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	2	9.52	31.82	0.32	0.03	1.26	0.00	0.06	0.00	3.73

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	5	9.52	31.82	0.32	0.00	0.98	0.00	0.05	0.00	3.77
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	10	9.51	31.83	0.31	0.00	1.18	0.00	0.06	0.00	3.72
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	20	9.47	31.84	0.40	0.07	1.17	0.00	0.07	0.00	4.32
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	30	9.43	31.88	0.31	0.15	1.12	0.30	0.09	0.21	4.38
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	40	9.04	32.27	0.78	0.13	5.44	4.93	0.41	4.52	2.20
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	50	9.06	32.49	0.96	0.11	8.07	7.99	0.49	7.50	0.31
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	60	9.13	32.60	0.89	0.14	9.61	9.22	0.22	9.01	0.18
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	70	8.97	32.84	1.49	0.00	19.73	16.21	0.09	16.12	0.12
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	95	8.31	33.66	2.35	0.00	40.86	28.85	0.18	28.67	0.11
W0204A	04/09/02	17:52	43	HH-04	44.00	-124.8	110	8.30	33.68	2.34		41.07	29.06	0.17	28.89	0.12
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	2	10.03	31.91	0.96	0.51	7.13		0.27		0.56
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	10	9.90	31.95	0.27	0.00	0.00	0.18	0.05	0.14	0.62
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	20	9.67	32.05	0.41	0.04	0.60	0.76	0.08	0.68	1.54
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	25	9.55	32.10	0.49	0.05	1.33	1.28	0.13	1.15	1.83
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	30	9.19	32.22	0.70	0.42	3.62	3.20	0.24	2.95	2.02
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	40	9.10	32.49	0.89	0.35	6.40	5.43	0.18	5.25	2.56
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	50	9.00	32.49	0.93	0.34	7.01	6.01	0.17	5.84	2.34
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	70	8.75	32.48	1.04	0.44	8.82	7.66	0.27	7.39	1.37
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	100	8.65	33.37	1.95	0.00	27.06	23.46	0.07	23.39	0.63
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	150	7.55	33.89	2.68	0.00	52.18	33.79	0.17	33.61	0.09
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	500	5.45	34.14	3.29	0.05	83.83	42.24	0.04	42.21	0.02
W0204A	04/09/02	19:19	44	HH-05	44.00	-125.	820	4.29	34.32	3.55	0.06	111.98	45.29	0.03	45.26	0.01
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	2	10.29	31.76	0.23	0.00	0.00	0.00	0.02	0.00	0.36
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	10	10.29	31.76	0.24	0.00	0.00	0.00	0.02	0.00	0.33
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	20	9.75	32.02	0.33	0.00	0.12	0.06	0.05	0.01	0.84
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	30	9.16	32.37	0.86	0.05	4.47	4.98	0.41	4.56	6.97
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	40	9.05	32.42	0.92	0.33	6.64	6.25	0.34	5.91	4.29
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	50	9.01	32.47	0.94	0.25	8.33	7.79	0.34	7.45	1.90
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	70	8.89	32.64	1.16	0.00	13.77	11.10	0.32	10.78	1.16
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	100	8.71	33.37	1.94	0.00	26.94	23.36	0.06	23.31	0.80
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	150	8.26	33.83	2.35	0.00	37.93	30.21	0.04	30.17	
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	900	4.02	34.36	3.61		118.02	46.22	0.04	46.19	
W0204A	04/09/02	21:10	45	HH-07	44.00	-125.2	1005	3.73	34.40	3.54	0.00	124.66	45.78	0.04	45.75	
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	1	10.07	32.48	0.72	0.42	4.95	3.85	0.13	3.73	0.35
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	10	10.05	32.48	0.73	0.47	4.95	3.89	0.13	3.77	0.34
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	20	9.93	32.51	0.82	0.23	5.92	4.31	0.13	4.18	0.35
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	30	9.81	32.51	0.79	0.16	6.04	4.61	0.12	4.50	0.41
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	40	9.46	32.52	0.83	0.13	6.76	5.24	0.12	5.13	0.41
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	45	9.44	32.53	0.83	0.34	6.64	5.34	0.13	5.21	0.42
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	50	9.22	32.52	0.90	0.17	6.88	6.07	0.17	5.90	0.39
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	70	8.96	32.54	0.99	0.42	7.85	7.45	0.21	7.24	0.23
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	99	8.69	33.17	1.66		27.30	19.71	0.05	19.66	0.06
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	150	8.28	33.80	2.27	0.00	36.00	29.03	0.04	28.99	
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	910	3.88	34.37	3.64	0.00	122.61	46.65	0.03	46.62	
W0204A	04/09/02	23:05	46	HH-09	44.00	-125.4	1004	3.64	34.40	3.61	0.00	124.18	46.53	0.03	46.50	
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	1	9.65	32.77	0.69	0.12	13.01	1.09	0.13	0.96	10.81
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	5	9.41	32.79	0.74	0.13	13.29	2.16	0.14	2.02	12.40
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	10	8.93	33.18	0.81	0.15	13.33	3.22	0.15	3.07	10.98
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	15	8.51	33.46	0.88	0.14	14.32	4.72	0.17	4.55	11.23
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	20	8.31	33.62	1.16	0.06	18.55	8.71	0.19	8.52	12.95
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	25	8.29	33.65	1.91	0.04	32.09	20.69	0.26	20.43	3.92
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	30	8.06	33.82	2.22	0.03	38.58	25.83	0.28	25.55	2.03

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	40	7.81	33.91	2.56	0.03	46.03	31.56	0.19	31.37	0.33
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	50	7.76	33.92	2.66	0.20	49.30	32.79	0.22	32.57	0.25
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	55	7.77	33.92	2.63	0.25	49.34	32.66	0.22	32.44	0.23
W0204A	04/06/02	22:13	20	FM-03	43.22	-124.5	60	7.76	33.92	2.62	0.20	47.35	32.53	0.21	32.32	0.23
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	1	9.88	32.50	0.56	0.08	7.60	0.45	0.08	0.38	10.46
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	5	9.81	32.52	0.59	0.08	7.88	0.81	0.08	0.73	10.51
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	10	9.58	32.63	0.84	0.11	10.67	3.99	0.12	3.87	10.51
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	20	9.35	32.79	1.18	0.02	15.84	9.84	0.16	9.67	10.75
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	30	9.23	32.89	1.35	0.03	18.51	12.47	0.17	12.30	8.43
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	41	9.14	33.00	1.56	0.05	21.91	15.87	0.18	15.69	7.02
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	50	8.76	33.45	2.18	0.00	32.45	25.25	0.08	25.17	0.54
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	61	8.22	33.72	2.48	0.00	41.58	30.16	0.20	29.96	0.49
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	70	7.83	33.90	2.61	0.04	45.56	32.80	0.18	32.62	0.20
W0204A	04/06/02	20:00	18	FM-04	43.22	-124.58	80	7.69	33.91	2.65	0.15	47.15	33.00	0.19	32.80	0.20
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	2	9.71	32.25	0.40	0.05	2.62	0.00	0.03	0.00	8.11
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	5	9.63	32.26	0.43	0.02	2.31	0.00	0.03	0.00	9.71
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	10	9.60	32.27	0.43	0.03	1.51	0.17	0.03	0.14	10.02
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	20	9.47	32.41	0.68	0.05	5.13	3.30	0.12	3.18	8.65
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	30	9.22	32.71	1.15	0.19	14.25	10.23	0.19	10.04	1.97
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	40	9.14	32.96	1.51	0.37	22.42	15.58	0.22	15.36	1.73
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	51	8.99	33.18	1.81	0.12	26.52	20.12	0.17	19.95	1.05
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	60	8.76	33.42	2.15	0.00	30.63	25.41	0.08	25.34	0.17
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	70	8.18	33.75	2.46	0.00	42.38	30.45	0.19	30.26	0.41
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	100	7.71	33.95	2.59	0.00	44.81	33.36	0.10	33.26	-0.03
W0204A	04/06/02	17:23	17	FM-05	43.22	-124.67	151	6.98	34.02	2.79	0.11	55.60	36.21	0.11	36.10	0.07
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	1	9.68	31.96	0.31	0.24	0.14	0.00	0.06	0.00	4.15
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	5	9.65	32.00	0.43	0.00	0.20	0.00	0.06	0.00	7.34
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	10	9.53	32.12	0.42	0.02	0.99	0.00	0.07	0.00	8.80
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	14	9.42	32.25	0.62	0.09	2.52	1.60	0.08	1.52	9.19
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	20	9.36	32.30	0.68	0.78	4.31	3.02	0.14	2.88	7.63
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	31	9.29	32.38	0.89	0.37	6.80	5.28	0.21	5.06	5.62
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	38	9.22	32.47	1.03	0.71	9.45	7.31	0.29	7.02	3.06
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	50	9.18	32.69	1.31	0.22	13.81	11.44	0.32	11.12	1.75
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	69	8.86	33.37	2.02	0.00	26.91	23.77	0.03	23.74	0.11
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	100	8.50	33.63	2.23	0.00	31.14	27.45	0.01	27.43	0.09
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	150	8.04	33.91	2.53	0.00	40.30	32.31	0.02	32.29	
W0204A	04/06/02	12:49	15	FM-07	43.22	-124.83	300	6.19	34.07	3.11	0.00	66.81	39.33	0.02	39.30	
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	1	10.08	32.53	0.59	0.36	1.71	2.20	0.10	2.10	0.98
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	5	10.10	32.53	0.60	0.36	1.99	2.20	0.11	2.08	0.99
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	10	10.10	32.53	0.70	0.41	5.26	2.77	0.11	2.65	0.97
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	20	10.01	32.55	0.74	0.33	6.18	3.78	0.13	3.65	1.09
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	30	9.91	32.55	0.78	0.34	4.64	4.35	0.14	4.21	0.95
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	39	9.83	32.57	0.83	0.41	5.67	4.81	0.15	4.65	0.44
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	50	9.82	32.57	0.83	0.45	5.60	4.52	0.14	4.38	0.46
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	70	9.26	33.02	1.61	0.00	17.59	16.74	0.13	16.61	0.13
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	100	8.54	33.59	2.16	0.00	31.79	26.69	0.08	26.62	0.07
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	150	8.06	33.91	2.48	0.00	39.84	31.22	0.06	31.16	
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	850	4.17	34.34	3.67	0.00	110.77	48.24	0.05	48.19	
W0204A	04/06/02	10:32	14	FM-08	43.22	-125.	999	3.75	34.41	3.78	0.02	127.05	48.30	0.07	48.23	
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	1	9.93	32.44	0.35	0.02	0.37	0.00	0.01	0.00	3.61
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	5	9.98	32.46	0.36	0.05	0.43	0.32	0.02	0.29	3.45

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	10	10.01	32.48	0.45	0.15	1.48	0.83	0.04	0.79	2.94
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	20	9.96	32.54	0.68	0.25	3.49	3.26	0.13	3.13	1.54
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	30	9.89	32.56	0.78	0.34	5.02	4.05	0.16	3.89	0.73
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	41	9.87	32.56	0.78	0.36	5.07	4.22	0.17	4.05	0.58
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	50	9.83	32.57	0.80	0.35	5.37	4.90	0.18	4.72	0.47
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	70	9.41	32.84	0.87	0.38	5.80	5.24	0.19	5.05	0.42
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	99	8.70	33.59	2.18	0.00	30.34	26.96	0.03	26.93	0.11
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	150	8.30	33.84	2.48	0.00	39.99	31.48	0.01	31.48	
W0204A	04/06/02	8:31	13	FM-09	43.22	-125.17	1000	3.77	34.41	3.75	0.00	123.22	48.45	0.01	48.44	
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	2	8.76	33.58	1.78	0.30	28.36	20.08	0.22	19.86	11.53
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	5	8.76	33.57	1.86	0.16	29.22	20.82	0.21	20.61	10.93
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	10	8.63	33.71	2.04	0.25	32.65	24.35	0.20	24.15	7.72
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	15	8.43	33.80	2.24	0.44	35.48	27.71	0.18	27.53	4.06
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	20	8.31	33.84	2.37	0.49	37.93	29.44	0.16	29.28	2.80
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	25	8.12	33.90	2.58	0.58	41.49	31.69	0.14	31.55	3.86
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	30	8.10	33.91	2.64	0.73	41.11	31.72	0.15	31.58	6.06
W0204A	04/08/02	15:04	33	RR-01	42.50	-124.5	32	8.10	33.91	2.59	0.67	40.98	31.29	0.15	31.15	5.08
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	2	8.85	33.63	1.79	0.16	24.36	20.19	0.24	19.94	6.28
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	5	8.85	33.63	1.80	0.16	24.23	20.16	0.24	19.93	6.56
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	10	8.82	33.64	1.83	0.15	25.21	20.49	0.23	20.26	7.07
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	20	8.79	33.65	1.95	0.20	27.66	22.33	0.21	22.12	5.58
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	30	8.09	33.90	2.54	0.26	42.76	31.46	0.15	31.31	0.74
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	40	7.90	33.95	2.63	0.29	45.22	32.38	0.18	32.19	0.37
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	50	7.87	33.96	2.69	0.08	45.95	32.94	0.19	32.74	0.40
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	60	7.85	33.97	2.71	0.05	46.19	33.09	0.19	32.90	0.54
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	70	7.84	33.97	2.68	0.09	46.68	32.83	0.19	32.64	0.75
W0204A	04/08/02	16:10	34	RR-02	42.50	-124.6	83	7.84	33.97	2.71	0.11	46.43	32.99	0.19	32.79	0.45
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	2	8.71	33.63	2.08	0.00	35.95	22.99	0.24	22.75	4.35
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	5	8.63	33.68	2.13	0.00	36.68	24.14	0.24	23.90	5.04
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	10	8.62	33.71	2.09	0.01	34.35	24.64	0.21	24.43	5.67
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	15	8.61	33.72	2.13	0.00	34.96	25.38	0.20	25.17	5.48
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	19	8.60	33.74	2.14	0.00	33.97	25.94	0.20	25.74	5.66
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	30	8.60	33.75	2.15	0.01	33.96	25.80	0.20	25.60	5.44
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	40	8.56	33.77	2.21	0.00	35.19	26.24	0.20	26.05	4.94
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	51	8.54	33.77	2.20	0.09	35.18	26.34	0.19	26.15	4.83
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	60	8.44	33.79	2.29	0.03	36.90	27.83	0.19	27.64	3.85
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	70	8.15	33.87	2.55	0.03	42.54	31.42	0.16	31.26	0.58
W0204A	04/08/02	18:01	35	RR-03	42.50	-124.7	120	7.70	33.98	2.77	0.34	48.07	33.85	0.15	33.70	0.43
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	1	9.65	32.88	0.90	0.15	16.86	4.27	0.18	4.08	8.33
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	5	9.35	32.97	1.19	0.03	19.11	9.49	0.22	9.26	8.68
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	10	9.24	33.02	1.46	0.00	22.46	14.53	0.23	14.30	6.94
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	20	9.00	33.25	1.93	0.00	27.16	22.49	0.18	22.30	1.60
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	30	8.69	33.51	2.24	0.00	35.05	27.59	0.19	27.40	0.40
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	40	8.61	33.60	2.27	0.00	35.71	28.67	0.19	28.48	0.55
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	50	8.39	33.73	2.39	0.09	40.41	30.68	0.24	30.44	0.66
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	70	8.14	33.87	2.44	0.08	43.90	32.40	0.17	32.23	0.57
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	100	7.76	33.97	2.66	0.24	47.36	34.99	0.13	34.87	0.23
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	150	7.65	34.00	2.71	0.35	48.27	35.55	0.12	35.42	
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	450	5.98	34.09	2.69	0.31		35.63	0.12	35.51	
W0204A	04/08/02	20:05	36	RR-04	42.50	-124.8	500	5.72	34.11	3.27	0.00	78.11	43.30	0.05	43.25	
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	1	10.44	32.22	0.36	0.00	1.35	0.08	0.03	0.04	2.27

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	10	9.81	32.23	0.39	0.00	1.88	0.10	0.03	0.07	3.32
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	19	9.78	32.24	0.40	0.00	1.92	0.31	0.04	0.27	4.77
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	25	9.76	32.24	0.46	0.00	2.23	0.39	0.04	0.36	5.21
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	30	9.27	32.32	0.67	0.79	4.71	3.40	0.18	3.22	3.27
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	39	9.55	32.53	0.97	1.12	7.72	6.98	0.24	6.74	0.70
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	50	9.38	32.77	1.43	0.60	14.49	14.07	0.27	13.79	0.81
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	70	8.83	33.48	2.10	0.00	29.23	25.35	0.07	25.27	0.23
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	100	8.45	33.76	2.36	0.00	36.51	30.04	0.08	29.97	0.15
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	150	8.02	33.91	2.57	0.06	44.63	33.04	0.14	32.91	0.36
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	200	7.64	34.01	2.53	0.00	47.39	32.26	0.07	32.19	0.06
W0204A	04/09/02	0:20	38	RR-06	42.50	-125.	1005	3.61	34.43	3.53	0.00	124.20	44.94	0.04	44.90	
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	2	10.24	32.39	0.33	0.00	0.88	0.00	0.02	0.00	1.11
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	10	10.21	32.39	0.33	0.00	0.92	0.00	0.02	0.00	1.23
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	20	10.02	32.43	0.45	0.07	1.46	0.31	0.03	0.28	2.88
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	26	9.88	32.50	0.65	0.60	2.12	1.51	0.08	1.43	3.99
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	50	9.69	32.56	0.87	0.73	6.21	5.09	0.18	4.91	3.86
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	70	9.37	32.82	1.27	0.00	12.13	11.94	0.21	11.73	0.36
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	100	8.70	33.50	2.03	0.00	29.20	25.38	0.04	25.34	0.19
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	150	8.41	33.87	2.44	0.00	38.06	31.71	0.04	31.67	0.08
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	830	4.09	34.35	3.77	0.00	118.56	48.82	0.04	48.79	
W0204A	04/09/02	2:24	39	RR-07	42.50	-125.2	1006	3.65	34.43	3.70	0.00	124.16	47.60	0.04	47.57	
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	2	9.74	33.15	0.37	0.27	5.86	6.12	0.13	5.99	5.73
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	5	9.74	33.15	0.94	0.26	6.95	7.23	0.13	7.10	6.04
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	10	9.58	33.23	1.26	0.35	11.52	12.19	0.15	12.04	4.66
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	15	8.73	33.73	1.98	0.54	21.97	23.26	0.17	23.09	3.49
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	20	8.63	33.77	2.13	0.52	25.70	25.23	0.17	25.06	3.31
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	25	8.49	33.78	2.19	0.55	28.00	27.77	0.17	27.60	3.06
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	30	8.28	33.83	2.44	0.82	34.73	30.89	0.21	30.68	5.43
W0204A	04/08/02	0:56	30	CR-01	41.90	-124.3	34	8.26	33.85	2.50	0.93	35.46	30.90	0.21	30.69	8.45
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	2	9.62	33.31	1.00	0.64	9.07	9.67	0.13	9.54	4.79
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	5	9.64	33.30	1.00	0.61	8.13	9.50	0.13	9.37	5.01
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	10	9.60	33.33	1.05	1.09	9.10	9.97	0.15	9.82	4.89
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	20	9.12	33.61	1.73	1.21	20.03	20.93	0.18	20.75	0.92
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	30	8.95	33.64	1.96	1.09	25.80	24.57	0.20	24.37	0.93
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	40	8.55	33.78	2.39	1.07	35.89	30.97	0.17	30.80	0.79
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	50	8.23	33.91	2.56	0.40	40.83	33.57	0.15	33.42	0.23
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	60	8.15	33.93	2.53	0.43	42.04	33.41	0.15	33.26	0.24
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	70	7.97	33.99	1.95		36.05	25.06	0.09	24.97	2.35
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	100	7.92	34.00	2.77	0.69	47.46	34.63	0.20	34.43	0.17
W0204A	04/08/02	4:16	32	CR-03	41.90	-124.5	133	7.92	34.00	2.76	0.63	47.24	33.95	0.19	33.76	0.17
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	2	9.26	33.39	1.82	0.15	25.72	21.67	0.19	21.48	1.02
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	9	9.26	33.39	1.81	0.14	25.73	21.97	0.19	21.78	1.02
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	20	9.19	33.39	1.82	0.14	25.74	21.57	0.20	21.37	1.12
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	25	9.05	33.43	1.90	0.11	26.00	23.08	0.19	22.89	1.30
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	30	8.89	33.50	2.02	0.05	28.17	24.64	0.20	24.44	0.84
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	40	8.79	33.57	2.11	0.00	30.46	26.15	0.20	25.95	5.29
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	50	8.66	33.64	2.22	0.00	32.75	28.35	0.18	28.17	0.28
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	70	8.52	33.72	2.28	0.07	36.49	29.39	0.20	29.19	0.26
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	100	8.33	33.84	2.39	0.00	36.86	32.11	0.06	32.05	0.10
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	150	8.21	34.03	2.63	0.00	41.79	35.06	0.06	35.00	
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	449	5.83	34.10	3.29	0.00	74.56	44.51	0.04	44.47	
W0204A	04/07/02	22:55	29	CR-04	41.90	-124.6	495	5.69	34.11	3.34	0.00	71.69	44.46	0.04	44.42	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	2	9.54	33.29	1.60	0.11	22.88	18.10	0.20	17.90	2.17
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	10	9.54	33.28	1.59	0.08	20.62	17.88	0.20	17.68	2.11
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	20	9.44	33.29	1.66	0.13	21.39	18.92	0.20	18.72	1.71
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	30	9.04	33.39	1.98	0.26	27.44	23.29	0.18	23.11	0.67
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	40	8.80	33.53	2.15	0.09	30.80	26.66	0.18	26.48	0.84
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	50	8.56	33.68	2.33	0.00	34.89	29.96	0.15	29.81	0.32
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	70	8.40	33.77	2.31	0.00	37.27	31.35	0.15	31.20	0.17
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	100	8.06	33.92	2.53	0.00	40.51	33.40	0.06	33.34	0.04
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	150	7.58	34.01	2.63	0.00	47.05	36.65	0.04	36.61	
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	401	6.03	34.09	3.33	0.00	70.02	44.25	0.02	44.23	
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	500	5.36	34.15	3.54	0.00	81.23	47.20	0.01	47.19	
W0204A	04/07/02	21:26	28	CR-05	41.90	-124.7	645	4.79	34.23	3.70	0.00	103.10	48.05	0.05	48.00	
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	2	10.04	32.57	0.49	0.00	3.55	0.93	0.02	0.91	4.31
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	5	10.04	32.57	0.50	0.00	3.84	0.95	0.05	0.90	4.12
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	10	10.00	32.57	0.52	0.00	3.89	1.08	0.06	1.02	4.47
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	20	9.72	32.59	0.79	0.29	5.66	4.80	0.07	4.73	4.08
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	30	9.61	32.65	0.97	0.76	7.91	7.03	0.17	6.86	4.17
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	41	9.44	32.73	1.22	0.90	11.15	10.46	0.22	10.24	2.20
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	50	9.48	32.81	1.27	0.60	13.40	11.91	0.25	11.66	2.07
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	70	9.18	33.07	1.71	0.21	23.01	18.91	0.27	18.64	1.37
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	100	8.80	33.48	2.13	0.04	31.40	26.10	0.18	25.92	0.43
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	151	8.22	33.87	2.46	0.00	39.04	33.17	0.03	33.14	
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	501	5.27	34.14	3.55	0.00	83.10	47.47	0.02	47.45	
W0204A	04/07/02	18:24	26	CR-07	41.90	-125.	836	4.16	34.36	3.81	0.00	119.44	49.99	0.03	49.96	
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	2	10.09	32.61	0.81	0.69	4.68	4.43	0.14	4.29	1.03
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	4	10.09	32.61	0.80	0.59	4.74	4.38	0.14	4.24	1.03
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	10	10.09	32.61	0.80	0.57	4.79	4.40	0.14	4.26	1.02
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	20	10.09	32.61	0.80	0.54	4.84	4.42	0.14	4.28	1.05
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	30	10.06	32.61	0.82	0.49	4.88	4.50	0.15	4.35	1.12
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	40	10.02	32.62	0.83	0.38	5.18	5.05	0.16	4.89	0.66
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	50	10.01	32.65	0.82	0.56	5.10	4.65	0.14	4.51	1.00
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	70	9.43	32.91	1.35	0.55	14.59	13.33	0.21	13.12	0.69
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	100	9.22	33.15	1.72	0.25	21.01	18.90	0.22	18.68	0.67
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	150	8.80	33.50	2.19	0.00	31.97	26.99	0.21	26.78	
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	770	4.38	34.32	3.76	0.00	109.01	49.77		49.77	
W0204A	04/07/02	14:26	24	CR-09	41.90	-125.4	1006	3.75	34.42	3.78	0.00	123.89	50.21	0.01	50.20	
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	1	10.22	32.69	0.63	0.23	4.13	3.23	0.16	3.07	3.37
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	10	10.23	32.69	0.63	0.27	4.13	3.27	0.16	3.11	3.56
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	15	10.34	32.73	0.67	0.28	4.37	3.42	0.16	3.26	3.51
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	20	10.45	32.79	0.81	0.35	5.96	4.92	0.17	4.75	2.61
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	30	10.15	32.81	0.99	0.52	8.78	7.46	0.22	7.24	1.16
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	40	9.86	32.78	1.05	0.67	10.25	8.14	0.24	7.90	0.90
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	50	10.12	32.87	1.08	0.58	10.37	8.52	0.22	8.30	0.49
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	70	9.53	33.11	1.66	0.02	18.96	17.88	0.24	17.64	0.68
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	100	8.86	33.56	2.10	0.00	28.05	24.97	0.07	24.90	0.17
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	150	8.17	33.84	2.43	0.00	38.36	30.78	0.06	30.72	
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	390	6.04	34.08	3.22	0.00	72.26	41.25	0.04	41.21	
W0204A	04/07/02	9:44	22	CR-11	41.90	-126.	1000	3.77	34.41	3.76	0.00	128.27	47.12	0.03	47.09	
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	5	13.29	33.05	0.55	0.13	1.68	0.79	0.08	0.71	11.22
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	10	8.45	33.47	2.34	0.38	33.63	25.28	0.33	24.94	12.34
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	15	9.05	33.53	2.52	0.37	39.19	28.53	0.31	28.21	7.12

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	20	7.66	33.81	3.05	0.56	50.89	36.38	0.24	36.14	0.35
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	25	7.50	33.87	2.93	0.05	63.69	35.92	0.09	35.83	0.41
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	30	7.32	33.93	3.29	0.02	72.20	36.59	0.23	36.36	0.39
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	40	7.31	33.94	3.32	0.03	79.35	36.08	0.29	35.79	0.51
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	50	7.28	33.94	3.31	0.00	71.16	37.19	0.25	36.94	0.43
W0207A	07/09/02	23:53	3	NH-05	44.65	-124.18	55	7.28	33.94	3.09	0.01	70.22	34.20	0.25	33.95	0.49
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	2	15.67	29.55	0.14	0.01	3.55	0.00	0.00	0.00	1.71
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	4	15.64	29.56	0.23	0.05	4.40	0.02	0.01	0.01	1.68
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	10	11.05	32.04	1.40	1.68	12.79	10.59	0.24	10.35	1.79
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	20	7.50	32.92	2.53	0.00	38.52	30.91	0.17	30.75	0.20
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	30	7.05	33.26	2.30	0.00	34.16	28.34	0.04	28.30	0.07
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	40	7.44	33.51	2.53	0.00	38.47	31.69	0.03	31.66	0.04
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	49	7.48	33.59	2.67	0.00	41.30	33.64	0.07	33.57	0.03
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	60	7.59	33.78	2.64	0.01	41.65	34.14	0.11	34.03	0.02
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	70	7.60	33.85	2.63	0.06	43.97	33.63	0.13	33.50	0.02
W0207A	07/10/02	4:59	6	NH-15	44.65	-124.41	85	7.32	33.92	3.15	0.26	61.02	37.81	0.17	37.65	0.08
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	2	15.97	28.70	0.12	0.08	7.51	0.00	0.00	0.00	0.68
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	10	14.47	30.68	0.31	0.13	5.50	0.45	0.01	0.43	1.23
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	17	11.08	31.99	1.29	2.12	12.54	10.50	0.28	10.21	1.44
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	20	8.37	32.28	1.43	1.56		10.38	0.42	9.96	0.69
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	30	8.08	32.38	1.29	0.41	11.40	9.66	0.51	9.14	0.45
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	40	7.44	32.50	1.73	0.00	20.79	17.80	0.07	17.73	0.18
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	50	7.47	32.97	2.53	0.00	40.08	30.31	0.06	30.25	0.11
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	70	7.37	33.43	2.86	0.15	36.96	30.25	0.06	30.19	0.04
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	100	7.52	33.87	3.30	0.13	55.38	37.06	0.10	36.96	0.12
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	150	6.82	33.99	3.17	0.23	64.15	38.84	0.29	38.55	
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	200	6.50	34.02	3.04	0.10	62.89	39.01	0.19	38.82	
W0207A	07/10/02	7:40	7	NH-25	44.65	-124.65	223	6.48	34.02		0.07	59.40	36.38	0.14	36.24	
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	1	16.52	27.85	0.13	0.04	9.86	0.00	0.00	0.00	0.61
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	9	15.03	31.74	0.38	0.00	1.42	0.00	0.00	0.00	0.19
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	20	10.19	32.22	0.69	0.26	2.51	0.41	0.05	0.36	0.59
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	27	9.35	32.26	0.88	0.56	5.09	2.92	0.18	2.73	0.62
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	30	9.12	32.33	1.07	0.68	8.28	5.54	0.35	5.19	0.55
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	40	7.88	32.37	1.39	0.23	14.20	9.33	0.43	8.91	0.47
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	49	7.57	32.42	1.60	0.00	17.15	15.19	0.19	15.00	0.27
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	69	7.40	32.83	2.27	0.00	32.85	26.52	0.02	26.50	0.13
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	98	7.42	33.45	2.44	0.00	37.16	29.54	0.01	29.53	0.03
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	149	7.24	33.95	2.77	0.00	50.75	35.79	0.01	35.78	
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	364	5.94	34.08	3.01	0.00	70.16	39.69	0.01	39.68	
W0207A	07/10/02	10:45	8	NH-35	44.65	-124.88	430	5.79	34.10	3.32	0.00	74.97	42.15	0.02	42.13	
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	1	16.90	28.32	0.12	0.00	8.35	0.00	0.00	0.00	0.28
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	10	15.11	31.66	0.25	0.00	5.60	0.00	0.00	0.00	0.22
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	20	13.00	32.08	0.42	0.09	0.15	0.00	0.00	0.00	0.31
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	30	10.59	32.20	0.60	0.06	1.90	0.03	0.00	0.03	0.68
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	37	9.16	32.30	0.84	0.12	5.75	2.21	0.12	2.09	0.93
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	40	8.93	32.32	0.96	0.19	7.85	5.21	0.30	4.92	0.63
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	50	8.13	32.37	1.17	0.15	11.12	10.09	0.55	9.53	0.48
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	70	7.47	32.58	1.65	0.03	19.48	17.32	0.03	17.29	0.19
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	100	7.34	33.23	2.10	0.11	30.79	25.87	0.01	25.85	0.04
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	150	7.40	33.89	2.91	0.00	52.26	36.91	0.01	36.90	
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	499	5.10	34.14	3.32	0.00	81.65	43.15	0.00	43.15	
W0207A	07/10/02	14:53	9	NH-45	44.65	-125.12	660	4.41	34.27	3.56	0.00	108.68	46.26	0.00	46.26	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	1	16.88	31.42	0.25	0.03	0.30	0.00	0.01	0.00	0.09
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	10	15.95	31.92	0.31	0.04	0.00	0.00	0.01	0.00	0.08
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	20	14.82	31.96	0.34	0.00	0.01	0.00	0.01	0.00	0.15
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	30	10.94	32.35	0.56	0.02	1.45	0.50	0.02	0.48	0.90
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	38	9.77	32.40	0.81	0.09	7.00	3.80	0.07	3.73	0.72
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	40	9.53	32.41	0.88	0.20	8.07	4.55	0.08	4.48	0.66
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	50	8.98	32.40	0.98	0.43	9.38	6.23	0.17	6.06	0.41
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	70	8.23	32.40	1.18	0.38	11.18	10.19	0.27	9.92	0.15
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	100	7.69	33.15	1.86	0.03	24.21	22.39	0.01	22.38	0.02
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	150	7.70	33.83	2.34	0.00	37.61	30.85	0.00	30.85	
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	500	5.28	34.14		0.00			0.00		
W0207A	07/10/02	21:22	11	NH-65	44.65	-125.6	1005	3.56	34.42	3.59	0.00	123.85	47.60	0.00	47.60	
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	3	16.63	32.05	0.35	0.00	1.06	0.00	0.00	0.00	0.13
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	10	16.56	32.08	0.37	0.04	1.04	0.00	0.00	0.00	0.14
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	20	15.89	32.19	0.38	0.00	1.03	0.00	0.00	0.00	0.15
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	30	12.49	32.38	0.59	0.01	2.94	0.65	0.03	0.61	0.55
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	36	10.64	32.38	0.62	0.15	4.37	2.05	0.03	2.02	0.71
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	40	9.71	32.39	0.81	0.20	6.66	3.89	0.05	3.84	0.62
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	50	9.12	32.39	0.97	0.67	8.94	6.00	0.09	5.91	0.38
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	70	8.49	32.37	1.00	1.09	10.37	7.84	0.21	7.63	0.22
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	100	7.49	32.59	1.48	0.04	16.15	15.16	0.01	15.14	0.04
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	150	7.72	33.64	2.16	0.00	32.69	27.69	0.00	27.69	
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	639	4.71	34.21	3.19	0.00	101.91		0.00		
W0207A	07/11/02	0:21	12	NH-85	44.65	-126.05	1005	3.65	34.39	3.67	0.03	127.64	47.53	0.00	47.53	
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	2	8.67	33.85	3.02	0.25	58.34	32.37	0.41	31.96	3.77
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	5	8.62	33.84	3.11	0.83	57.61	34.13	0.30	33.83	2.86
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	10	8.00	33.86	2.99	0.28	55.51	34.36	0.27	34.09	2.41
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	15	8.13	33.85	2.96	0.26	55.02	34.23	0.23	34.00	1.82
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	20	7.63	33.87	3.03	0.09	54.16	36.91	0.14	36.77	0.76
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	25	7.59	33.87	3.00	0.05	52.81	37.31	0.11	37.19	1.05
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	30	7.60	33.89	3.09	0.08	57.92	37.19	0.15	37.04	1.14
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	35	7.60	33.90	3.17	0.11	62.17	37.18	0.19	36.99	1.15
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	40	7.56	33.92	3.22	0.17	67.41	36.94	0.22	36.72	1.16
W0207A	07/14/02	12:50	40	HH-01	44.00	-124.2	50	7.48	33.94	3.26	0.44	71.15	36.65	0.26	36.39	1.98
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	2	10.65	33.20	0.99	0.27	3.23	4.30	0.16	4.14	17.54
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	5	10.64	33.21	1.09	0.25	2.99	4.46	0.15	4.31	18.51
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	10	9.84	33.38	1.82	2.01	13.21	15.31	0.23	15.09	10.54
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	20	9.42	33.46	2.00	0.21	17.45	33.82	0.22	33.60	10.84
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	30	7.72	33.66	2.78	0.00	42.23	34.67	0.21	34.47	1.19
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	35	7.78	33.84	2.66	0.00	42.62	34.49	0.13	34.36	0.22
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	40	7.67	33.86	2.78	0.00	45.99	35.86	0.10	35.75	0.14
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	50	7.59	33.88	2.83	0.00	47.75	36.42	0.10	36.33	0.13
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	60	7.45	33.94	2.91	0.00	50.75	37.56	0.08	37.48	0.11
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	70	7.25	33.96	3.06	0.00	57.23	38.70	0.05	38.64	0.10
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	100	7.05	34.00	3.22	0.00	67.82	39.03	0.05	38.98	0.13
W0207A	07/14/02	14:04	41	HH-02	44.00	-124.4	110	6.99	34.00	3.27	0.00	69.82	38.51	0.05	38.46	0.14
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	2	13.82	32.33	0.35	0.01	1.28	0.00	0.04	0.00	1.15
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	10	8.12	32.75	2.42	0.00	32.52	27.81	0.44	27.37	2.83
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	20	7.41	33.12	2.47	0.00	34.90	29.57	0.08	29.49	0.26
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	30	7.33	33.22	2.39	0.00	33.92	29.17	0.07	29.10	0.16
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	40	7.61	33.61	2.73	0.00	42.27	34.65	0.07	34.57	0.07

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	50	7.57	33.79	2.84	0.00	45.77	36.13	0.09	36.03	0.06
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	60	7.50	33.88	2.89	0.00	49.64	36.92	0.12	36.79	0.06
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	70	7.43	33.92	2.92	0.00	50.65	37.48	0.07	37.41	0.07
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	100	7.07	33.98	3.08	0.00	57.75	38.96	0.22	38.75	0.09
W0207A	07/14/02	15:27	42	HH-03	44.00	-124.6	145	6.68	34.03	3.26	0.40	69.09	39.18	0.45	38.74	0.14
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	2	13.16	31.52	0.40	0.06	0.67	0.00	0.02	0.00	9.34
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	5	13.14	31.52	0.43	0.03	0.80	0.19	0.03	0.17	9.30
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	7	12.87	31.60	0.59	0.17	3.06	1.73	0.07	1.66	9.15
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	10	12.24	31.85	0.88	0.55	6.31	5.04	0.15	4.89	10.37
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	20	9.24	32.38	1.99	0.56	26.10	21.55	0.42	21.13	1.83
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	30	7.82	32.75	2.38	0.00	34.83	28.06	0.18	27.88	0.63
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	40	7.34	33.08	2.38	0.00	34.34	28.62	0.06	28.56	0.14
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	50	7.41	33.36	2.53	0.00	37.09	31.30	0.07	31.23	0.07
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	60	7.53	33.64	2.70	0.00	41.34	34.32	0.15	34.17	0.06
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	70	7.38	33.82	2.84	0.15	49.44	36.83	0.33	36.50	0.06
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	89	7.32	33.87	2.95	0.37	51.94	37.45	0.33	37.12	0.06
W0207A	07/14/02	16:50	43	HH-04	44.00	-124.8	105	7.13	33.94	3.02	0.27	58.80	38.13	0.34	37.79	0.10
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	1	14.68	31.09	0.29	0.09	1.21	0.10	0.04	0.06	0.86
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	9	12.53	31.87	0.95	0.27	9.10	5.93	0.23	5.70	1.58
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	20	8.42	32.43	1.89	0.48	22.27	19.74	0.48	19.25	0.56
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	30	7.29	32.68	1.83	0.08	20.83	19.95	0.13	19.82	0.13
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	40	7.89	33.12	1.95	0.13	23.93	23.04	0.10	22.94	0.07
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	50	7.91	33.34	2.11	0.07	27.89	26.34	0.08	26.26	0.05
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	70	7.99	33.62	2.39	0.06	34.56	29.93	0.07	29.86	0.04
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	100	7.53	33.88	2.64	0.05	43.68	34.47	0.10	34.37	0.07
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	150	7.11	34.00	2.86	0.03	52.92	37.61	0.23	37.37	
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	375	5.99	34.09	3.31	0.03	71.25	42.37	0.06	42.31	
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	470	5.68	34.14	3.46	0.02	80.73	44.05	0.04	44.01	
W0207A	07/14/02	18:13	44	HH-05	44.00	-125.	500	5.52	34.16	3.44	0.01	79.29	43.87	0.05	43.83	
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	2	15.20	31.04	0.31	0.09	0.51	0.10	0.03	0.07	0.57
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	10	13.92	31.41	0.49	0.39	3.24	0.71	0.05	0.66	0.97
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	14	10.13	32.13	1.60	2.34	16.04	13.06	0.42	12.64	0.87
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	19	8.29	32.29	1.35	0.77	10.80	10.30	0.50	9.80	0.60
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	30	7.88	32.38	1.43	0.17	12.43	12.20	0.38	11.82	0.38
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	40	7.38	32.49	1.64	0.04	17.25	16.12	0.09	16.03	0.19
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	50	7.21	32.73	1.89	0.11	22.56	20.27	0.07	20.20	0.10
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	70	7.60	33.23	2.23	0.09	30.45	26.95	0.05	26.90	0.03
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	100	7.90	33.71	2.50	0.03	37.48	31.88	0.04	31.84	0.01
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	150	7.40	33.96	2.66	0.03	46.85	35.58	0.03	35.55	
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	643	4.46	34.23	3.68	0.01	107.66	48.05	0.02	48.02	
W0207A	07/14/02	20:11	45	HH-07	44.00	-125.2	1005	3.60	34.42	3.65	0.01	127.70	48.21	0.03	48.18	
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	2	15.02	31.11	0.33	0.06	1.65	0.28	0.02	0.25	0.91
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	10	14.19	31.42	0.46	0.16	3.40	0.89	0.04	0.84	1.94
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	18	13.33	31.66	0.66	0.54	5.76	2.62	0.09	2.53	2.31
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	20	13.11	31.73	0.77	0.51	5.68	3.00	0.11	2.89	2.10
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	30	8.92	32.39	1.96	0.49	24.37	20.75	0.62	20.13	0.92
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	40	8.10	32.51	2.03	0.09	24.53	22.20	0.48	21.72	0.52
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	50	7.50	32.71	1.82	0.00	22.84	21.18	0.10	21.08	0.20
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	70	7.46	33.02	2.10	0.00	27.54	24.82	0.05	24.77	0.06
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	100	7.84	33.61	2.42	0.00	36.66	30.99	0.03	30.96	0.02
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	150	7.53	33.93	2.69	0.01	46.88	35.37	0.02	35.34	
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	690	4.42	34.25	3.67	0.01	109.04	47.99	0.02	47.97	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/14/02	22:02	46	HH-09	44.00	-125.4	1004	3.68	34.41	3.70	0.00	130.56	48.27	0.02	48.25	
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	2	7.38	33.93	0.73	0.43	7.92	1.73	0.13	1.60	15.23
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	5	7.38	33.93	0.68	0.38	10.22	3.63	0.21	3.42	16.09
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	10	7.38	33.93	2.15	1.25	28.18	24.26	0.30	23.95	10.14
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	15	7.38	33.93	2.59	1.42	40.25	31.34	0.36	30.98	3.00
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	20	7.38	33.93	2.53	1.49	42.93	33.52	0.40	33.12	1.56
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	25	7.51	33.88	2.68	1.54	46.61	32.97	0.39	32.57	1.31
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	28	7.60	33.85	2.79	1.65	48.79	33.08	0.41	32.68	1.03
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	34	7.68	33.82	2.84	2.10	54.22	34.37	0.43	33.93	0.72
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	40	7.99	33.71	2.77	2.14	53.52	34.04	0.43	33.61	0.61
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	50	8.79	33.58	2.90	2.09	55.19	35.10	0.45	34.66	0.70
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	54	10.89	33.43	2.87	2.14	54.36	35.00	0.45	34.55	0.69
W0207A	07/11/02	23:37	20	FM-03	43.22	-124.5	61	11.02	33.43	2.88	2.09	55.41	34.61	0.45	34.16	0.67
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	1	11.44	33.37	0.88	0.29	4.86	1.06	0.13	0.93	16.96
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	4	11.25	33.36	1.05	0.27	6.53	3.63	0.15	3.48	15.67
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	10	8.48	33.62	2.37	1.69	31.38	26.54	0.33	26.21	6.00
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	19	7.54	33.89	2.61	0.02	45.33	34.35	0.30	34.05	0.22
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	30	7.44	33.95	2.55	0.00	45.63	34.52	0.37	34.15	0.09
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	40	7.36	33.97	2.61	0.12	48.06	34.81	0.42	34.38	0.07
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	49	7.31	33.97	2.63	0.41	49.86	34.98	0.42	34.56	0.09
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	60	7.20	33.99	2.76	1.27	55.29	34.59	0.41	34.18	0.14
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	70	7.20	33.99	2.76	1.37	54.59	34.93	0.41	34.52	0.16
W0207A	07/11/02	21:44	19	FM-04	43.22	-124.58	81	7.20	33.99	2.78	1.38	54.38	34.60	0.40	34.20	0.18
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	2	11.56	33.09	0.71	0.62	6.96	3.00	0.13	2.87	11.96
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	10	10.84	33.01	1.00	0.66	9.26	6.52	0.15	6.36	10.82
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	20	7.90	32.91	1.95	0.39	24.22	22.74	0.23	22.51	0.70
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	30	7.99	33.50	2.40	0.90	34.66	28.82	0.29	28.53	0.87
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	40	7.60	33.84	2.62	0.04	43.85	34.35	0.29	34.05	0.20
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	50	7.55	33.90	2.63	0.00	45.27	34.74	0.21	34.53	0.07
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	60	7.45	33.95	2.59	0.00	46.45	34.41	0.29	34.12	0.05
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	70	7.41	33.97	2.56	0.00	46.12	34.58	0.33	34.25	0.05
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	100	7.11	34.00	2.67	0.07	50.55	35.65	0.26	35.38	0.04
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	111	7.07	34.01	2.70	0.14	52.35	36.32	0.33	35.99	0.05
W0207A	07/11/02	19:17	18	FM-05	43.22	-124.67	150	6.94	34.02	2.84	0.68	58.79	35.49	0.35	35.14	0.11
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	2	14.52	31.83	0.27	0.00	0.00	0.01	0.04	0.00	1.07
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	10	14.49	31.83	0.32	0.00	0.00	0.06	0.04	0.02	1.13
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	20	11.05	32.11	0.62	0.04	3.07	2.65	0.17	2.48	2.14
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	22	10.20	32.13	1.04	0.03	7.76	7.21	0.36	6.85	2.31
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	30	7.83	32.36	1.52	0.05	15.43	14.84	0.55	14.29	0.43
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	40	7.53	32.61	1.60	0.00	18.11	17.53	0.09	17.44	0.25
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	50	7.45	32.89	1.85	0.00	22.92	21.42	0.07	21.35	0.22
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	70	7.87	33.64	2.34	0.00	35.59	30.29	0.05	30.25	0.08
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	100	7.47	33.93	2.68	0.00	47.43	35.06	0.38	34.68	0.05
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	150	6.99	34.01	2.65	0.00	52.12	35.94	0.19	35.75	
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	240	6.54	34.03	2.81	0.00	58.84	38.01	0.03	37.99	
W0207A	07/11/02	14:43	16	FM-07	43.22	-124.83	300	6.25	34.07	2.91	0.00	64.13	38.94	0.02	38.92	
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	1	15.34	31.39	0.22	0.00	0.00	0.00	0.00	0.00	0.21
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	10	15.30	31.39	0.26	0.00	0.22	0.00	0.00	0.00	0.24
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	20	10.78	32.10	0.65	0.00	1.81	1.17	0.04	1.13	0.42
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	30	7.91	32.41	1.32	0.00	11.98	11.97	0.24	11.73	0.54
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	34	7.77	32.47	1.41	0.00	13.70	13.47	0.18	13.29	0.49

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	40	7.79	32.71	1.64	0.00	18.52	17.61	0.05	17.57	0.23
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	50	8.01	33.06	1.83	0.00	24.88	22.33	0.02	22.31	0.09
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	70	7.98	33.54	2.14	0.00	31.72	27.93	0.02	27.91	0.06
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	100	7.74	33.86	2.39	0.00	40.93	32.29	0.01	32.28	0.05
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	150	7.18	34.00	2.69	0.00	50.99	35.45	0.05	35.40	
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	745	4.52	34.28	3.53	0.00	108.88	45.62	0.01	45.61	
W0207A	07/11/02	12:24	15	FM-08	43.22	-125.	1006	3.79	34.40	3.55	0.00	124.05	46.08	0.01	46.08	
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	2	16.04	31.23	0.23	0.00	0.00	0.00	0.00	0.00	0.15
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	10	16.02	31.22	0.25	0.00	0.62	0.00	0.00	0.00	0.14
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	20	10.28	32.23	0.60	0.00	1.74	0.16	0.00	0.16	0.41
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	30	8.66	32.34	1.04	0.00	8.46	7.37	0.50	6.87	0.86
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	36	8.33	32.41	1.18	0.00	10.30	10.02	0.31	9.70	0.49
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	40	8.19	32.42	1.22	0.00	11.19	10.84	0.19	10.65	0.50
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	51	7.89	32.52	1.41	0.00	14.34	13.90	0.07	13.83	0.39
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	70	7.49	32.82	1.79	0.00	22.25	20.38	0.06	20.32	0.19
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	100	8.05	33.71	2.36	0.00	36.35	30.55	0.05	30.50	0.09
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	150	7.57	33.95	2.61	0.00	46.87	34.23	0.36	33.87	
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	822	4.21	34.34	3.51	0.00	117.03	46.32	0.01	46.32	
W0207A	07/11/02	10:04	14	FM-09	43.22	-125.17	1004	3.62	34.43	3.44	0.00	132.08	46.01	0.02	45.98	
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	2	8.65	33.88	2.21	0.73	35.55	24.57	0.42	24.15	8.57
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	5	8.63	33.88	2.39	0.53	38.21	26.93	0.40	26.53	8.01
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	10	8.25	33.90	2.47	0.77	39.74	28.61	0.40	28.21	8.02
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	15	7.97	33.91	2.57	0.40	43.55	31.70	0.37	31.33	4.67
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	20	7.77	33.94	2.70	0.74	46.09	33.38	0.39	32.99	2.56
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	25	7.65	33.96	2.82	1.44	49.26	33.60	0.42	33.18	2.27
W0207A	07/13/02	15:05	33	RR-01	42.50	-124.5	31	7.60	33.97	2.83	1.40	50.91	33.88	0.43	33.46	
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	2	8.56	33.57	2.09	0.00	25.19	23.96	0.26	23.70	8.10
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	5	8.57	33.57	2.04	0.00	24.81	23.85	0.27	23.58	7.19
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	9	8.48	33.61	1.96	0.05	26.96	24.97	0.27	24.70	8.35
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	20	8.28	33.76	2.33	0.14	32.68	27.77	0.31	27.46	7.72
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	30	8.15	33.83	2.50	0.21	37.13	29.62	0.33	29.29	6.26
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	40	8.10	33.89	2.52	0.07	39.29	30.69	0.32	30.36	4.82
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	50	7.94	33.90	2.58	0.14	41.45	32.03	0.30	31.73	3.57
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	60	7.73	33.92	2.62	0.27	43.48	33.15	0.30	32.86	2.32
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	70	7.51	33.95	2.63	0.47	47.16	34.50	0.32	34.18	0.30
W0207A	07/13/02	16:20	34	RR-02	42.50	-124.6	81	7.42	33.96	2.77	0.63	49.57	34.67	0.33	34.34	0.33
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	1	9.80	33.09	1.11	0.39	7.06	8.71	0.18	8.52	12.06
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	5	9.79	33.09	1.07	0.67	7.43	8.65	0.19	8.46	12.19
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	10	9.68	33.12	1.29	0.15	7.55	9.60	0.18	9.43	13.62
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	15	9.44	33.19	1.38	0.38	9.20	11.73	0.18	11.56	13.16
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	20	9.20	33.27	1.54	0.36	12.00	14.82	0.18	14.64	11.96
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	30	8.74	33.40	1.93	0.77	19.12	20.93	0.18	20.75	7.01
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	39	8.41	33.39	2.14	0.30	25.98	24.63	0.16	24.47	2.98
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	49	8.36	33.53	2.20	0.22	28.01	25.86	0.18	25.68	3.73
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	60	8.35	33.62	2.30	0.40	29.54	26.54	0.21	26.33	4.68
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	69	8.36	33.67	2.20	0.42	30.67	26.87	0.24	26.63	4.49
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	90	7.60	33.90	2.77	0.95	47.21	33.71	0.37	33.34	0.40
W0207A	07/13/02	18:00	35	RR-03	42.50	-124.7	120	7.10	34.03	2.97	0.40	56.12	36.41	0.38	36.03	0.20
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	1	10.66	32.52	0.70	0.12	3.15	3.78	0.18	3.60	5.54
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	10	10.32	32.51	0.82	0.37	3.93	4.90	0.19	4.71	5.54
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	21	9.34	32.55	1.18	0.28	7.85	9.83	0.17	9.66	4.46

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	30	8.17	32.57	1.41	0.02	13.08	14.20	0.12	14.08	0.39
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	40	8.19	32.71	1.49	0.07	15.44	15.55	0.14	15.41	0.62
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	50	8.15	32.87	1.74	0.09	19.88	19.75	0.17	19.58	0.84
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	70	8.19	33.29	2.09	0.07	26.94	25.58	0.17	25.41	0.14
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	100	8.11	33.64	2.34	0.36	35.31	30.11	0.25	29.87	0.16
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	150	7.45	33.97	2.61	0.44	49.42	35.38	0.29	35.08	
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	170	7.30	34.01	2.77	0.35	53.35	36.73	0.32	36.40	
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	320	6.55	34.06	2.95	0.00	63.15	40.03	0.12	39.92	
W0207A	07/13/02	20:09	36	RR-04	42.50	-124.8	500	5.33	34.19	3.43	0.11	88.51	44.74	0.07	44.67	
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	2	11.41	32.40	0.55	0.05	1.71	0.51	0.09	0.41	4.04
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	10	10.75	32.44	0.65	0.00	3.41	2.75	0.19	2.56	0.02
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	20	9.08	32.62	1.22	0.37	8.90	10.31	0.21	10.10	3.77
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	30	9.06	32.65	1.20	0.39	8.90	10.31	0.20	10.11	4.31
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	40	9.10	32.71	1.30	0.42	10.21	11.38	0.20	11.19	4.47
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	50	9.06	32.71	1.32	0.38	10.47	11.73	0.20	11.53	4.79
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	60	8.95	32.71	1.38	0.35	12.30	12.80	0.20	12.60	3.70
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	70	8.73	32.79	1.47	0.24	15.57	15.49	0.19	15.30	2.58
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	100	8.08	33.30	2.09	0.00	28.77	25.90	0.15	25.74	0.17
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	151	7.94	33.88	2.45	0.24	40.80	32.73	0.18	32.55	
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	870	3.96	34.38	3.23	0.00	128.51	48.11	0.04	48.07	
W0207A	07/14/02	0:32	38	RR-06	42.50	-125.	1006	3.81	34.41	3.51	0.00	131.52	47.84	0.04	47.80	
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	1	13.41	32.05	0.42	0.02	0.00	0.31	0.03	0.28	0.39
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	10	10.68	32.40	0.68	0.12	3.67	2.83	0.18	2.66	2.87
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	20	9.53	32.53	1.00	0.16	7.07	6.53	0.22	6.32	4.62
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	25	9.31	32.54	1.07	0.20	7.46	7.66	0.21	7.44	4.55
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	30	9.29	32.57	1.13	0.28	7.85	8.22	0.21	8.02	4.67
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	40	9.03	32.56	1.16	0.29	9.68	9.63	0.21	9.42	4.11
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	50	8.64	32.52	1.24	0.24	12.17	11.98	0.20	11.78	1.65
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	70	8.06	32.87	1.76	0.00	22.63	20.21	0.13	20.08	0.12
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	100	8.06	33.48	2.25	0.00	34.78	28.89	0.08	28.81	0.05
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	150	7.62	33.93	2.61	0.00	48.38	34.82	0.04	34.79	
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	700	4.32	34.30	3.64	0.00	115.70	47.64	0.02	47.62	
W0207A	07/14/02	2:25	39	RR-07	42.50	-125.2	1005	3.58	34.43	3.37	0.00	138.45	48.03	0.03	48.01	
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	2	10.11	33.77	2.09	0.58	12.76	9.03	0.22	8.81	21.14
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	5	9.88	33.79	2.16	0.50	14.27	10.46	0.22	10.24	17.74
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	10	9.17	33.84	2.29	2.99	26.48	20.14	0.34	19.80	14.61
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	15	8.48	33.90	2.90	6.03	43.48	28.15	0.45	27.70	6.43
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	20	7.99	33.96	3.18	7.26	52.67	31.30	0.49	30.81	1.34
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	25	7.88	33.98	3.38	7.63	53.67	30.85	0.47	30.38	1.51
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	30	7.79	33.98	3.51	8.19	59.96	31.68	0.48	31.20	2.39
W0207A	07/13/02	11:01	32	CR-01	41.90	-124.3	35	7.77	33.98	3.56	7.64	61.46	31.89	0.49	31.40	2.75
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	2	8.83	33.49	1.57	0.15	20.18	17.62	0.32	17.30	11.18
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	5	8.79	33.53	1.68	0.51	20.93	18.94	0.32	18.62	11.38
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	11	8.90	33.58	1.79	0.32	20.54	18.55	0.32	18.23	14.47
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	16	8.83	33.64	1.98	0.33	25.57	22.47	0.32	22.16	13.04
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	20	8.12	33.73	2.41	0.78	36.65	30.05	0.29	29.75	0.93
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	30	7.96	33.86	2.58	2.24	42.82	31.87	0.43	31.43	1.19
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	40	7.84	33.96	3.12	4.90	48.35	32.91	0.47	32.44	0.67
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	50	7.56	33.99	2.90	1.59	51.12	35.17	0.45	34.72	0.35
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	60	7.46	34.01	2.89	0.54	51.87	36.50	0.47	36.03	0.22
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	70	7.40	34.03	2.88	0.45	54.00	36.55	0.47	36.08	0.14
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	100	7.39	34.03	3.03	1.26	58.02	36.37	0.48	35.89	0.13

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/13/02	7:14	30	CR-03	41.90	-124.5	120	7.34	34.04	2.76	0.98	58.27	36.31	0.46	35.85	0.11
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	2	8.96	32.78	1.45	0.08	14.10	14.64	0.20	14.45	1.44
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	9	8.93	33.23	1.59	0.12	19.14	17.57	0.21	17.36	0.10
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	20	8.95	33.44	1.77	0.29	21.28	18.85	0.24	18.61	11.23
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	27	8.96	33.44	1.78	0.31	21.39	18.78	0.26	18.52	11.28
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	29	8.97	33.45	1.77	0.27	21.63	18.72	0.26	18.46	12.05
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	40	8.67	33.60	2.11	0.56	28.05	24.08	0.25	23.83	7.72
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	50	8.30	33.62	2.30	0.40	32.58	28.17	0.18	27.98	2.22
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	70	7.98	33.85	2.60	1.43	41.01	31.81	0.14	31.67	0.64
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	100	7.60	33.99	2.72	0.00	45.79	35.68	0.03	35.65	0.16
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	150	7.26	34.05	2.90	0.00	52.71	37.61	0.01	37.60	
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	180	7.16	34.06	2.81	0.00	54.72	37.99	0.29	37.70	
W0207A	07/13/02	4:18	29	CR-04	41.90	-124.6	450	5.78	34.10	3.31	0.00	75.38	42.63	0.06	42.57	
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	1	9.30	32.45	1.05	0.00	8.66	7.91	0.28	7.62	1.17
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	10	9.27	32.46	1.11	0.00	7.39	8.56	0.27	8.29	1.22
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	20	8.91	32.55	1.28	0.07	10.79	12.32	0.22	12.10	1.04
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	30	8.60	32.78	1.48	0.18	17.58	15.69	0.20	15.49	0.45
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	40	8.62	32.98	1.68	0.26	17.95	18.39	0.19	18.20	2.39
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	50	8.81	33.16	1.73	0.29	18.07	18.61	0.22	18.39	5.11
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	60	8.82	33.19	1.77	0.21	19.19	19.27	0.23	19.04	7.52
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	69	8.82	33.21	1.75	0.41	22.34	19.32	0.22	19.10	5.75
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	100	8.07	33.63	2.20	0.00	30.64	27.72	0.08	27.63	1.10
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	150	7.55	33.96	2.54	0.00	43.11	34.02	0.06	33.96	
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	459	5.24	34.10	3.40	0.00	82.28	44.69	0.04	44.65	
W0207A	07/13/02	2:42	28	CR-05	41.90	-124.7	499	5.10	34.13	3.34	0.02	84.16	42.91	0.04	42.88	
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	2	13.60	31.96	0.39	0.00	0.00	0.00	0.02	0.00	0.32
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	10	13.49	31.97	0.38	0.00	0.00	0.00	0.02	0.00	0.32
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	20	12.74	32.08	0.44	0.00	0.00	0.00	0.02	0.00	0.50
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	22	12.70	32.09	0.44	0.00	0.00	0.00	0.02	0.00	0.58
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	30	12.22	32.17	0.47	0.00	0.00	0.00	0.03	0.00	0.68
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	40	11.86	32.21	0.57	0.02	1.27	0.76	0.07	0.68	0.87
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	50	9.27	32.51	1.12	0.77	10.71	8.98	0.35	8.63	0.89
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	70	8.86	32.89	1.65	0.87	18.36	17.04	0.21	16.83	0.48
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	100	8.72	33.24	2.00	0.78	26.01	22.84	0.21	22.64	0.42
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	150	8.25	33.85	2.44	0.24	39.27	31.63	0.51	31.12	
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	500	5.62	34.19	3.46	0.00	86.82	43.74	0.03	43.71	
W0207A	07/12/02	22:44	26	CR-07	41.90	-125.	790	4.24	34.34	3.63	0.00	119.71	47.01	0.02	46.99	
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	1	13.57	32.00	0.36	0.00	0.00	0.00	0.03	0.00	0.25
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	10	13.56	32.00	0.37	0.06	0.00	0.00	0.03	0.00	0.25
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	21	13.53	32.00	0.33	0.00	0.00	0.00	0.02	0.00	0.24
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	30	13.33	32.02	0.41	0.01	0.00	0.00	0.03	0.00	0.26
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	39	10.77	32.37	0.62	0.28	0.13	1.37	0.12	1.26	0.83
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	43	10.04	32.46	0.79	0.37	1.27	2.83	0.18	2.65	2.82
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	50	9.48	32.55	1.09	0.46	6.12	8.36	0.31	8.06	2.83
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	70	9.33	32.77	1.48	1.26	14.41	13.66	0.24	13.42	0.68
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	101	8.56	33.12	1.82	0.43	23.20	20.70	0.17	20.54	0.94
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	151	7.85	33.80	2.47	0.00	40.67	32.19	0.05	32.15	
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	796	4.11	34.33	3.68	0.00	116.52	47.85	0.03	47.82	
W0207A	07/12/02	17:40	24	CR-09	41.90	-125.4	1004	3.59	34.43	3.67	0.00	131.44	47.86	0.03	47.83	
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	2	15.27	32.07	0.34	0.00	0.13	0.00	0.01	0.00	0.14
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	10	15.26	32.07	0.33	0.00	0.00	0.00	0.02	0.00	0.13

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	19	15.25	32.07	0.35	0.00	0.00	0.00	0.01	0.00	0.14
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	30	14.23	32.25	0.48	0.01	0.00	0.00	0.02	0.00	0.14
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	37	11.54	32.41	0.54	0.00	0.38	0.00	0.01	0.00	0.27
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	40	10.81	32.42	0.63	0.00	0.76	0.14	0.04	0.10	0.61
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	49	9.80	32.44	0.82	0.00	4.84	3.80	0.14	3.66	0.56
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	70	9.04	32.45	1.05	0.00	8.16	8.26	0.36	7.90	0.24
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	100	7.69	32.81	1.55	0.00	17.21	17.10	0.04	17.06	0.04
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	150	8.51	33.77	2.44	0.00	38.76	31.18	0.04	31.14	
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	636	4.76	34.22	3.57	0.00	101.99	46.56	0.04	46.52	
W0207A	07/12/02	12:18	22	CR-11	41.90	-126.	1004	3.72	34.41	3.66	0.00	125.32	47.86	0.04	47.82	
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	2	8.93	33.41	2.34	1.06	35.67	26.06	0.26	25.79	3.46
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	6	8.92	33.41	2.34	1.18	33.78	26.22	0.27	25.95	3.27
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	16	8.86	33.41	2.35	0.99	33.34	25.19	0.24	24.94	3.00
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	21	8.71	33.44	2.39	1.94	35.31	27.19	0.25	26.94	2.75
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	26	8.24	33.46	2.47	1.08	38.48	29.52	0.22	29.30	1.37
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	31	8.00	33.54	2.49	0.74	41.89	30.49	0.19	30.30	0.88
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	41	7.86	33.67	2.70	0.14	46.99	33.74	0.11	33.63	0.47
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	51	7.80	33.81	2.95	0.14	59.08	33.41	0.10	33.31	0.50
AT721	09/28/02	3:16	2	NH-05	44.65	-124.18	53	7.82	33.80	3.07	0.09	62.13	35.42	0.11	35.31	0.53
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	1	10.21	32.50	1.12	0.15	10.23	10.20	0.31	9.89	1.72
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	6	10.17	32.51	1.07	0.13	9.78	10.19	0.30	9.90	1.73
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	11	10.20	32.50	1.08	0.18	10.30	9.76	0.29	9.47	1.77
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	21	8.52	32.68	1.59	0.36	17.81	16.15	0.25	15.90	8.04
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	31	7.35	32.92	1.92	0.02	26.17	21.89	0.15	21.75	0.55
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	41	8.00	33.44	2.09	0.00	31.63	27.52	0.36	27.16	0.13
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	51	8.03	33.59	2.46	0.46	38.78	31.42	0.50	30.92	0.09
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	61	7.94	33.69	2.64		38.94	31.48	0.32	31.16	0.12
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	72	7.75	33.72	3.10	0.92	57.89	36.89	0.24	36.65	0.21
AT721	09/28/02	9:33	4	NH-15	44.65	-124.41	86	7.72	33.75	3.11	0.91	61.06	36.02	0.23	35.79	0.28
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	2	11.36	32.39	0.88	0.09	9.79	7.23	0.26	6.97	1.19
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	10	11.35	32.39	0.88	0.02	10.59	7.50	0.27	7.23	1.18
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	14	10.87	32.39	1.02	0.04	11.37	8.92	0.38	8.54	0.99
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	19	8.38	32.41	1.28	0.00	14.04	12.30	0.49	11.80	0.56
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	30	7.71	32.53	1.52	0.00	17.82	16.70	0.25	16.46	0.31
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	42	7.63	32.62		0.00			0.09		0.09
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	51	7.91	32.81	1.59	0.72	19.97	18.56	0.10	18.46	0.14
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	71	7.94	33.32	1.86	0.01	26.47	23.02	0.36	22.66	0.03
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	102	8.37	33.76	2.41	0.00	39.76	32.00	0.08	31.92	0.03
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	152	7.92	33.91		0.01	43.04	34.73	0.08	34.65	
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	202	7.38	33.98	2.68	0.00	52.99	35.81	0.05	35.76	
AT721	09/28/02	15:19	6	NH-25	44.65	-124.65	252	6.99	34.01	2.67	0.00	55.44	35.71	0.06	35.65	
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	2	12.78	32.25	0.63	0.20	4.07	3.85	0.18	3.67	0.85
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	11	12.58	32.26	0.70	0.08	4.63	4.34	0.20	4.14	0.87
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	16	12.13	32.28	0.77	0.04	6.34	5.32	0.24	5.08	0.89
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	21	11.41	32.31	0.91	0.24	6.65	6.90	0.37	6.53	0.70
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	30	8.88	32.49	1.12	0.59	11.02	10.76	0.45	10.31	0.40
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	41	7.85	32.51	1.47	0.57	15.60	15.17	0.34	14.84	0.26
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	72	8.77	33.44	1.93	0.71	29.94	26.00	0.63	25.37	0.05
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	100	8.20	33.71	2.26	0.26	36.93	30.14	0.09	30.05	0.03
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	152	7.78	33.96		0.05	53.21	36.57	0.06	36.51	0.03
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	287	6.70	34.03	2.80	0.00	59.57	38.42	0.07	38.35	
AT721	09/28/02	19:28	7	NH-35	44.65	-124.88	435	5.96	34.07	3.02	0.02	71.42	40.49	0.09	40.40	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	1	12.60	32.32	0.66	0.16	3.33	4.44	0.23	4.20	1.01
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	10	12.54	32.32	0.72	0.17	3.85	4.65	0.24	4.41	0.91
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	20	12.32	32.35	0.83	0.68	5.01	5.20	0.29	4.91	0.75
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	30	8.69	32.44	1.26	0.35	10.42	11.35	0.61	10.74	0.53
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	41	8.07	32.62	1.42	0.50	12.88	14.45	0.42	14.04	0.23
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	51	7.63	32.67	1.50	0.01	17.71	16.58	0.24	16.33	0.15
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	72	7.76	33.12	1.83	0.05	23.62	22.57	0.38	22.19	0.04
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	101	8.21	33.45	1.93	0.00	29.99	25.51	0.03	25.47	0.03
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	151	7.95	33.88	2.31	0.07	40.52	31.11	0.01	31.10	0.03
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	503	5.41	34.12	3.24	0.00	82.98	43.74	0.00	43.74	
AT721	09/29/02	0:06	8	NH-45	44.65	-125.12	684	4.84	34.25	3.44	0.04	101.15	45.05	0.00	45.05	
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	2	14.14	32.09	0.50	0.09	3.17	0.48	0.04	0.44	0.81
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	6	14.10	32.09	0.54	0.10	4.14	0.87	0.06	0.81	0.84
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	11	13.51	32.13	0.60	0.22	6.08	1.06	0.07	0.99	0.96
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	21	9.29	32.38	0.76	0.83	7.05	7.14	0.44	6.69	0.44
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	31	8.51	32.43	1.02	0.00	12.18	8.75	0.33	8.42	0.23
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	41	8.01	32.59	1.60	0.00	17.55	17.69	0.11	17.58	0.10
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	52	7.84	32.77	1.67	0.42	20.35	19.50	0.07	19.44	0.05
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	72	7.96	33.33	1.54	0.70	20.71		0.02		0.02
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	103	8.00	33.61	2.30	0.00	35.62	30.46	0.02	30.44	0.02
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	151	7.74	33.89	2.53	0.00	44.41	34.21	0.03	34.18	
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	623	4.94	34.22	3.42	0.00	97.97	44.57	0.02	44.54	
AT721	09/29/02	8:17	10	NH-65	44.65	-125.6	1005	3.80	34.39	3.58		128.04	46.59	0.02	46.56	
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	3	14.71	32.03	0.47	0.07	3.78	0.25	0.03	0.22	0.53
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	11	14.69	32.03	0.48	0.50	4.50	0.59	0.04	0.55	0.53
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	21	12.40	32.43	0.86	1.10	5.47	4.64	0.30	4.34	0.48
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	31	10.46	32.49	1.11	1.24	6.44	7.32	0.44	6.88	0.45
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	40	8.86	32.58	1.17	0.47	11.20	13.41	0.55	12.86	0.30
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	50	8.79	32.85	1.46	0.37	13.88	15.43	0.65	14.78	0.17
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	71	8.20	33.20	1.83	0.00	27.32	24.16	0.02	24.14	0.04
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	101	8.07	33.73	2.38	0.00	38.20	31.77	0.03	31.75	0.01
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	149	7.76	33.92	2.50	0.00	44.55	34.91	0.03	34.89	
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	320	6.77	34.04	2.76	0.00	57.99	36.47	0.02	36.45	
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	880	4.03	34.33	3.58	0.00	124.02	47.19	0.03	47.16	
AT721	09/29/02	12:36	11	NH-85	44.65	-126.05	1001	3.76	34.40	3.61	0.00	132.93	46.87	0.03	46.84	
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	1	9.78	33.39	1.37	0.26	10.31	15.23	0.37	14.86	8.80
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	4	9.80	33.39	1.32	0.49	10.08	14.80	0.36	14.44	9.03
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	6	9.78	33.39	1.37	0.53	9.70	15.14	0.37	14.77	8.40
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	10	9.79	33.39	1.53	0.79	10.24	14.92	0.37	14.55	7.50
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	16	9.12	33.42	1.71	2.34	9.22	18.15	0.44	17.72	4.56
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	21	8.94	33.44	2.00	3.19	15.86	18.45	0.44	18.01	2.36
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	26	8.86	33.59	2.33	3.60	31.58	20.91	0.41	20.50	2.92
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	31	8.84	33.62	2.48	4.00	28.62	23.78	0.40	23.38	2.32
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	41	8.73	33.70	2.84	*6.20	37.72	27.79	0.47	27.32	3.09
AT721	10/02/02	15:50	32	HH-01	44.00	-124.2	48	8.55	33.75	2.89	5.41	46.30	28.19	0.46	27.73	3.94
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	1	10.24	33.00	0.94	0.62	1.53	7.79	0.38	7.42	2.71
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	5	10.20	33.03	0.95	0.84	1.55	9.32	0.38	8.94	2.81
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	10	10.04	33.17	1.09	1.18	6.24	11.11	0.38	10.73	2.44
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	20	9.31	33.34	1.69	2.68	9.76	18.53	0.38	18.15	1.65
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	30	8.36	33.51	2.12	3.25	25.22	26.73	0.45	26.27	1.61
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	40	8.52	33.62	2.35	2.66	26.55	27.16	0.47	26.69	0.98

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	50	8.70	33.75	2.11	1.67	34.36	28.32	0.67	27.66	0.67
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	60	8.59	33.79	2.40	0.74	33.99	30.53	0.58	29.95	0.55
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	71	8.29	33.81	2.48	0.05	39.20	32.42	0.09	32.34	0.36
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	102	8.11	33.92	2.98	1.27	59.07	34.11	0.75	33.36	0.50
AT721	10/02/02	17:35	33	HH-02	44.00	-124.4	116	8.09	33.92	2.99	1.41	60.52	33.01	0.74	32.27	0.74
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	2	10.02	32.92	0.92	1.75	2.88	8.66	0.22	8.44	1.33
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	10	9.07	32.95	1.24	2.33	6.40	12.05	0.26	11.79	1.71
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	20	9.00	32.97	1.30	2.51	6.81	12.44	0.26	12.18	1.52
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	30	8.98	33.12	1.56	2.40	11.24	15.94	0.29	15.65	1.77
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	40	8.02	33.13	2.15	4.40	20.60	22.32	0.34	21.98	
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	50	8.45	33.55	2.46	2.77	30.23	29.27	0.47	28.80	0.37
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	60	8.31	33.67	2.36	0.20	33.10	29.98	0.25	29.73	0.29
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	70	8.28	33.84	2.44	0.05	37.27	31.72	0.11	31.60	0.16
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	90	8.11	33.88	2.29	0.08	39.76	32.21	0.26	31.95	0.15
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	100	8.06	33.91	2.37	0.32	40.29	31.27	0.29	30.98	0.14
AT721	10/02/02	20:54	34	HH-03	44.00	-124.6	146	7.76	33.96	2.93	2.73	61.73	30.94	0.41	30.53	0.35
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	1	12.52	32.50	0.76	1.10	4.72	5.48	0.27	5.21	0.54
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	5	12.50	32.51	0.75	1.17	5.65	5.62	0.27	5.35	0.59
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	10	12.43	32.60	0.81	1.18	4.57	6.32	0.26	6.05	0.62
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	21	11.94	32.81	0.89	1.57	7.66	7.27	0.28	6.99	0.66
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	30	10.85	32.83	1.23	2.20	10.29	10.86	0.41	10.45	0.42
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	40	9.97	32.95	1.44	2.31	15.17	14.35	0.48	13.87	0.20
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	50	9.04	33.21	1.83	2.02	23.86	20.49	0.54	19.94	0.22
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	59	7.89	33.32	2.12	1.13	30.78	25.05	0.34	24.71	0.63
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	69	8.03	33.49	2.36	1.82	33.12	27.83	0.36	27.47	0.59
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	94	8.08	33.83	2.77	1.12	55.30	33.15	0.41	32.74	0.36
AT721	10/02/02	23:44	35	HH-04	44.00	-124.8	104	8.08	33.85	2.66	1.18	56.76	31.46	0.42	31.05	0.32
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	2	14.13	32.34	0.50	0.23	2.51	1.92	0.14	1.78	0.45
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	10	13.36	32.46	0.61	0.55	5.12	3.43	0.20	3.24	0.58
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	15	12.09	32.54	0.81	1.03	5.04	6.27	0.27	6.00	0.73
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	20	9.98	32.69	1.04	1.48	18.43	8.59	0.35	8.24	0.77
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	30	8.35	32.59	1.25	0.57	12.91	12.08	0.46	11.62	0.39
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	41	8.70	33.11	1.72	2.07	25.18	18.72	0.60	18.13	0.23
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	51	8.34	33.25	2.00	1.47	27.24	23.59	0.56	23.03	0.09
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	71	8.68	33.70	2.09	0.32	34.56	28.45	0.51	27.94	0.08
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	101	8.25	33.82	2.31	0.05	42.10	30.78	0.04	30.74	0.04
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	150	7.96	33.96	2.61	0.36	54.88	28.63	0.05	28.58	0.02
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	501	5.62	34.11	2.92	0.01	74.01	37.66	0.05	37.61	
AT721	10/03/02	3:36	36	HH-05	44.00	-125.	915	3.90	34.37	3.34	0.01	117.67	42.52	0.05	42.48	
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	2	14.51	32.28	0.38	0.07	2.07	1.01	0.10	0.92	0.45
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	6	14.51	32.28	0.38	0.12	3.52	1.00	0.09	0.91	0.49
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	10	14.51	32.28	0.44	0.20	8.02	1.45	0.11	1.34	0.49
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	20	11.47	32.43	0.91	0.15	11.63	5.80	0.40	5.40	0.68
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	30	8.31	32.40	1.16	0.08	11.70	10.26	0.48	9.78	0.53
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	40	8.30	32.54	0.87	0.78	15.82	9.02	0.46	8.56	0.48
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	49	8.42	32.69	1.03	0.95	14.87	10.14	0.72	9.42	0.35
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	70	8.88	33.18	1.71	1.23	21.78	19.52	0.99	18.52	0.03
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	101	8.62	33.65	2.06	0.00	33.80	26.87	0.04	26.83	0.03
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	151	8.31	33.93	2.20	0.43	44.79	27.06	0.01	27.05	0.02
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	315	7.03	34.03	2.71	0.16	57.42	35.38	0.04	35.34	
AT721	10/03/02	6:18	37	HH-07	44.00	-125.2	1004	3.73	34.39	3.43	0.00	121.93	44.31	0.02	44.29	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	1	14.36	32.31	0.45	0.18	2.41	1.62	0.00	1.62	0.44
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	5	14.19	32.34	0.54	0.24	3.75	2.52	0.16	2.36	0.51
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	10	13.18	32.51	0.66	0.43	2.90	4.04	0.24	3.80	0.43
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	20	12.51	32.70	0.85	0.69	3.85	6.26	0.35	5.91	0.62
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	30	10.97	32.81	1.19	1.03	7.85	10.41	0.55	9.86	0.63
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	40	9.42	32.91	1.32	0.99	12.35	13.04	0.53	12.51	0.31
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	50	9.19	33.06	1.48	0.73	15.59	15.77	0.35	15.42	0.20
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	71	7.99	33.16	1.71	0.05	28.35	18.61	0.03	18.57	0.06
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	100	8.25	33.57	2.02	0.00	32.86	26.01	0.04	25.97	0.05
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	149	8.22	33.92	2.47	0.00	43.47	32.29	0.04	32.25	0.03
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	262	7.53	34.05	2.62	0.00	51.28	33.60	0.03	33.57	
AT721	10/03/02	8:27	38	HH-09	44.00	-125.4	500	5.87	34.10	3.01	0.00	73.84	38.77	0.02	38.75	
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	2	9.73	33.40	1.60	0.28	21.98	18.25	0.42	17.83	5.74
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	5	9.53	33.43	1.76	0.50	20.97	19.48	0.43	19.05	6.37
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	9	9.73	33.40	1.66	0.44	20.62	19.16	0.48	18.68	5.50
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	10	9.49	33.42	1.74	1.79	20.00	15.88	0.38	15.50	4.99
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	15	9.44	33.47	1.85	1.33	23.16	21.16	0.47	20.69	3.77
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	20	8.84	33.64	2.09	0.90	29.18	27.43	0.50	26.94	2.10
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	25	8.76	33.67	1.61	0.97	32.62	18.75	0.37	18.38	2.25
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	30	8.70	33.69	2.24	1.20	32.65	26.26	0.43	25.83	1.57
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	40	8.63	33.77	2.57	1.67	44.94	30.30	0.48	29.82	1.07
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	50	8.43	33.83	2.74	1.95	48.87	31.75	0.58	31.17	0.75
AT721	10/01/02	20:46	25	FM-03	43.22	-124.5	57	8.41	33.84	2.75	2.01	49.43	31.53	0.50	31.02	0.86
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	2	10.71	33.05	0.91	0.07	7.83	8.18	0.37	7.81	5.74
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	4	10.62	33.06	0.97	0.17	9.95	9.41	0.39	9.02	6.65
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	9	9.34	33.15	1.33	0.65	17.80	15.37	0.42	14.95	7.33
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	20	9.22	33.52	1.93	1.81	28.00	22.27	0.47	21.80	4.52
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	30	8.97	33.64	2.17	1.03	25.96	25.78	0.69	25.10	1.95
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	40	8.65	33.74	2.43	1.51	35.36	29.67	0.67	29.00	1.07
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	50	8.43	33.82	2.30	1.34	41.00	29.50	0.58	28.92	0.86
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	60	8.41	33.83	2.36	1.50	34.39	28.40	0.64	27.77	0.64
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	71	8.40	33.84	2.74	1.46	47.70	32.49	0.59	31.90	0.66
AT721	10/01/02	22:10	26	FM-04	43.22	-124.58	78	8.34	33.87	2.39	1.95	40.84	27.19	0.48	26.71	0.63
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	2	11.33	32.89	0.84	0.12	5.61	7.99	0.34	7.66	2.27
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	11	10.65	32.96	0.97	0.39	5.65	8.92	0.37	8.54	3.61
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	14	9.91	32.99	1.29	0.32	10.11	12.64	0.42	12.23	4.30
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	20	9.51	33.21	1.13	0.75	20.56	13.05	0.32	12.74	4.72
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	31	9.41	33.29	1.56	3.83	24.64	17.61	0.48	17.13	5.54
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	41	9.40	33.44	1.82	3.15	21.16	19.20	0.55	18.65	1.57
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	51	9.33	33.47	1.97	2.36	18.06	21.32	0.65	20.67	1.42
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	59	9.14	33.56	1.90	2.04	23.82	21.99	0.61	21.37	1.28
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	69	8.99	33.61	2.20	1.47	27.51	25.71	0.66	25.06	0.94
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	100	8.40	33.84	2.43	0.28	38.75	30.68	0.26	30.42	0.40
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	140	8.24	33.93	2.68	0.46	48.17	32.75	0.50	32.25	0.32
AT721	10/01/02	23:35	27	FM-05	43.22	-124.67	151	8.22	33.94	2.67	0.84	51.72	32.27	0.51	31.76	0.34
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	2	11.21	32.70	1.07	0.42		7.89	0.28	7.61	0.64
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	11	11.21	32.70	1.10	0.74	8.51	8.35	0.30	8.05	0.71
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	18	10.67	32.82	1.36	0.07	11.66	11.24	0.33	10.91	0.97
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	21	9.88	32.96	1.46	0.19	14.54	13.18	0.32	12.86	0.99
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	31	9.48	33.05	1.71	0.02	18.47	17.02	0.33	16.69	0.73
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	41	9.02	33.11	1.60	1.54	22.93	17.96	0.37	17.58	0.36
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	50	8.82	33.21	1.83	1.06	22.11	19.74	0.34	19.40	0.26

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	70	8.41	33.40	2.03	0.72	26.85	23.15	0.05	23.11	0.08
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	101	8.25	33.60	2.17	1.38	43.34	24.36	0.04	24.32	0.04
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	150	8.12	33.97	2.57	1.56	46.62	30.99	0.04	30.94	0.02
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	235	7.46	34.03	2.50	1.52	55.04	30.56	0.03	30.53	
AT721	10/02/02	2:43	29	FM-07	43.22	-124.83	302	6.84	34.06	3.03	0.25	60.04	35.45	0.03	35.41	
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	2	11.13	32.78	1.21	0.16	10.71	9.81	0.31	9.50	0.72
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	6	11.10	32.79	1.25	0.11	11.20	9.80	0.31	9.49	0.72
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	11	11.10	32.78	1.28	0.31	11.70	10.74	0.34	10.41	0.81
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	21	10.11	32.94	1.65	0.22	14.59	13.31	0.40	12.92	0.61
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	31	9.93	32.99	1.56	0.27	14.83	14.84	0.35	14.48	0.58
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	40	9.74	33.05	1.55	1.83	26.82	15.77	0.40	15.37	0.57
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	51	9.57	33.13	1.57	1.91	23.76	17.55	0.37	17.19	0.49
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	70	8.92	33.34	1.90	0.83	25.05	20.81	0.29	20.52	0.30
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	101	8.94	33.73	2.58	2.21	36.25	27.87	0.48	27.39	0.35
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	151	8.41	33.89	2.66	0.13	49.03	31.44	0.14	31.30	0.06
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	319	6.85	34.05	2.88	0.01	62.75	38.28	0.03	38.25	
AT721	10/02/02	5:16	30	FM-08	43.22	-125.	1001	3.80	34.40	3.84	0.00	128.78	45.91	0.06	45.85	
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	2	11.05	32.81	1.04	0.19	8.97	8.88	0.25	8.62	0.75
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	10	10.92	32.81	1.09	0.50	9.21	9.60	0.28	9.32	0.79
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	20	10.71	32.81	1.27	0.11	9.98	10.91	0.31	10.60	0.84
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	30	10.15	32.93	1.35	0.45	13.65	12.11	0.32	11.79	0.73
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	40	9.75	32.90	1.48	0.40	14.68	14.37	0.38	13.99	0.84
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	51	9.45	33.09	1.68	0.32	15.58	16.89	0.48	16.41	1.31
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	72	8.94	33.38	1.77	0.61	26.92	18.98	0.33	18.65	0.37
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	101	8.89	33.56	2.05	0.43	32.05	22.51	0.28	22.23	0.31
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	151	8.04	33.87	2.91	0.05	53.42	33.78	0.01	33.76	0.01
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	284	7.15	34.10	2.96	0.05	59.21	36.88	0.02	36.86	
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	330	6.40	34.05	2.92	0.13	56.40	33.70	0.01	33.69	
AT721	10/02/02	8:05	31	FM-09	43.22	-125.17	1000	3.83	34.40	3.85	0.16	121.78	45.92	0.02	45.91	
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	2	10.48	33.38	1.39	0.09	19.27	11.35	0.36	10.99	11.10
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	5	10.50	33.37	1.47	0.11	18.16	11.44	0.36	11.08	11.58
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	10	10.47	33.38	1.39	0.63	17.78	11.53	0.34	11.19	10.52
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	15	10.16	33.40	1.81	0.92	25.11	17.92	0.37	17.55	7.11
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	21	9.56	33.48	2.13	1.15	30.97	22.89	0.39	22.50	3.88
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	26	8.84	33.63	2.43	2.19	40.99	26.64	0.40	26.24	0.97
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	32	8.78	33.63	2.57	2.12	41.22	27.99	0.40	27.59	0.79
AT721	09/30/02	22:45	19	CR-01	41.90	-124.3	35	8.85	33.62	2.38	2.36	42.80	25.69	0.38	25.31	1.20
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	1	10.73	32.93	1.12	0.04	11.14	10.45	0.32	10.13	1.81
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	5	10.52	32.96	1.15	0.07	11.96	11.01	0.31	10.70	1.92
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	10	10.11	33.04	1.32	0.00	15.90	13.59	0.35	13.24	2.04
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	19	9.79	33.08	1.39	0.00	16.58	14.67	0.38	14.29	2.40
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	30	9.67	33.09	1.47	0.10	18.05	15.80	0.39	15.41	2.34
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	40	9.18	33.40	2.14	0.23	29.42	25.76	0.46	25.30	0.43
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	50	9.70	33.84	2.28	0.07	33.36	28.03	0.29	27.74	0.23
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	60	9.28	33.91	2.46	0.07	39.39	30.51	0.12	30.39	0.13
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	70	9.22	33.92	2.47	0.00	37.86	29.98	0.08	29.90	0.14
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	100	9.04	33.95	2.55	0.00	40.11	31.53	0.05	31.48	0.12
AT721	10/01/02	2:40	21	CR-03	41.90	-124.5	115	8.91	33.95	2.65	0.00	43.01	32.04	0.16	31.88	0.08
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	2	12.91	32.60	0.53	0.22	0.12	3.90	0.18	3.72	0.88
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	6	12.91	32.60	0.60	0.18	0.77	3.89	0.21	3.68	0.84
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	11	12.87	32.60	0.62	0.23	0.80	4.09	0.22	3.87	0.86

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	21	12.23	32.61	0.95	0.82	4.96	7.02	0.32	6.70	0.89
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	31	9.36	32.82	1.33	0.60	11.58	13.19	0.48	12.71	0.26
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	42	8.69	33.05	1.56	0.55	19.23	17.97	0.21	17.76	0.06
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	51	8.39	33.25	1.63	0.18	21.19	19.50	0.01	19.49	0.03
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	73	9.24	33.77	2.17	0.00	30.39	28.09	0.03	28.06	0.08
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	101	8.81	33.92	2.19	0.00	35.06	30.50	0.01	30.49	0.03
AT721	10/01/02	5:22	22	CR-04	41.90	-124.6	147	8.21	33.95	2.27	0.04	40.26	31.21	0.01	31.20	0.01
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	2	12.94	32.59	0.68	0.13	0.21	3.80	0.21	3.59	0.72
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	10	12.85	32.60	0.77	0.19	0.36	4.00	0.21	3.79	0.69
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	20	12.82	32.60	0.65	0.11	0.51	4.20	0.21	3.99	0.77
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	25	12.74	32.59	0.70	0.34	1.05	4.97	0.25	4.72	0.83
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	30	9.76	32.77	1.25	1.05	10.90	11.75	0.54	11.21	
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	40	9.13	32.95	1.40	1.11	13.77	14.63	0.53	14.10	
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	50	8.81	33.03	1.50	1.00	17.41	17.04	0.34	16.70	
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	70	8.32	33.34	1.76	0.00	23.12	22.08	0.03	22.05	0.03
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	102	8.18	33.70	2.08	0.00	30.77	26.96	0.02	26.94	0.02
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	150	8.18	33.98	2.45	0.09	41.26	32.61	0.03	32.58	0.02
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	500	5.49	34.15	2.90	0.09	77.07	38.57	0.03	38.54	
AT721	10/01/02	8:55	23	CR-05	41.90	-124.7	646	4.89	34.23	3.21	0.00	91.82	41.86	0.03	41.83	
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	2	13.16	32.68	0.59	0.08	1.20	4.37	0.20	4.17	0.79
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	7	13.13	32.68	0.66	0.24	2.91	4.98	0.21	4.77	0.95
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	12	11.06	32.73	0.86	0.42	10.81	7.00	0.23	6.77	1.53
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	22	10.49	33.15	1.24	0.53	16.14	12.95	0.30	12.65	2.29
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	32	10.38	33.26	1.36	0.31	17.07	15.10	0.36	14.74	1.96
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	42	10.20	33.28	1.44	0.37	17.61	16.18	0.35	15.83	2.00
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	52	8.86	33.16	1.58	0.71	18.41	17.82	0.36	17.46	0.38
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	72	9.62	33.84	2.20	0.00	31.35	28.05	0.23	27.82	0.18
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	102	8.29	33.82	2.13	0.01	30.34	30.10	0.04	30.06	0.04
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	153	7.61	33.95	2.31	0.05	42.51	30.92	0.02	30.90	0.01
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	498	5.06	34.14	3.25	0.00	88.67	43.31	0.02	43.29	
AT721	09/30/02	16:36	17	CR-07	41.90	-125.	802	4.11	34.36	3.42	0.00	113.11	45.26	0.03	45.23	
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	11	10.45	32.60	0.95	0.48	9.36	7.92	0.17	7.75	0.69
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	22	10.23	32.62	1.03	0.07	8.72	9.02	0.23	8.79	0.71
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	31	9.91	32.74	1.20	0.03	11.53	11.47	0.24	11.23	0.80
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	42	9.00	32.80	1.35	0.05	15.48	14.27	0.12	14.15	0.26
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	46	8.90	32.94	1.47	0.02	17.14	16.52	0.03	16.49	0.11
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	72	9.19	33.48	1.90	0.00	26.46	23.67	0.13	23.54	0.17
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	103	8.16	33.73	2.08	0.00	32.97	27.17	0.03	27.14	0.03
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	150	7.58	33.95	2.29	0.00	42.55	30.52	0.02	30.50	
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	679	4.57	34.27	3.16	0.00	96.35	41.06	0.02	41.04	
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	840	4.10	34.34	3.40	0.00	110.14	42.01	0.02	41.99	
AT721	09/30/02	11:04	15	CR-09	41.90	-125.4	1002	3.72	34.42		0.02			0.00		
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	2	12.63	32.68	0.81	0.22	3.30	6.12	0.25	5.87	0.37
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	10	12.45	32.68	0.84	0.22	3.67	6.22	0.26	5.96	0.46
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	20	12.40	32.68	0.86	0.23	3.67	6.27	0.26	6.01	0.52
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	30	12.38	32.68	0.84	0.20	3.79	6.27	0.26	6.01	0.65
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	34	12.33	32.68	0.86	0.16	3.78	6.32	0.26	6.06	0.77
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	40	12.31	32.68	0.85	0.35	4.42	6.67	0.25	6.42	0.91
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	50	10.40	32.73	1.20	0.48	9.91	11.22	0.30	10.92	0.40
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	72	8.63	33.00	1.62	0.08	21.92	19.52	0.21	19.31	0.10
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	101	8.35	33.68	1.93	0.00	32.39	25.87	0.15	25.72	0.04
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	149	7.95	33.98	2.51	0.00	44.78	33.47	0.03	33.44	0.03

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	784	4.14	34.33	3.38	0.00	111.48	44.61	0.01	44.60	
AT721	09/30/02	4:57	13	CR-11	41.90	-126.	1005	3.60	34.42	3.36	0.00	124.26	43.86	0.02	43.84	
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	1	12.48	32.29	0.54	0.26	1.07	0.83	0.17	0.66	2.60
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	5	12.47	32.29	0.50	0.35	0.85	0.78	0.18	0.60	2.49
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	10	12.46	32.29	0.52	0.13	0.86	1.06	0.19	0.87	2.05
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	15	12.25	32.31	0.61	0.37	1.83	2.28	0.18	2.10	1.73
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	20	11.97	32.31	0.76	0.91	4.73	4.14	0.29	3.85	1.48
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	26	10.70	32.42	0.96	0.59	6.08	6.64	0.41	6.23	0.65
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	30	10.09	32.48	1.17	0.68	9.58	10.36	0.47	9.89	0.24
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	40	8.82	32.53	1.30		12.96	12.12	0.35	11.77	0.15
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	50	8.80	32.79	1.68	0.61	20.08	15.85	0.38	15.47	0.21
W0212A	12/03/02	20:23	3	NH-05	44.65	-124.18	53	8.92	32.83	1.64	0.76	22.50	15.84	0.41	15.43	0.23
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	1	12.80	32.31	0.50	0.11	0.92	1.24	0.17	1.07	1.03
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	5	12.80	32.31	0.51	0.11	1.06	1.24	0.18	1.06	1.09
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	10	12.80	32.31	0.51	0.12	0.35	1.23	0.18	1.05	1.09
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	20	12.76	32.31	0.51	0.15	1.21	1.37	0.17	1.20	1.09
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	30	12.63	32.30	0.58	0.22	1.47	1.85	0.20	1.65	0.88
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	40	11.45	32.33	0.85	0.63	4.61	5.14	0.38	4.76	1.10
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	50	10.18	32.49	1.15	0.27	9.19	9.79	0.47	9.32	0.28
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	60	9.34	32.58	1.32	0.06	12.58	13.02	0.40	12.62	0.15
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	70	8.82	32.78	1.54	0.03	16.44	16.21	0.44	15.77	0.09
W0212A	12/03/02	22:28	5	NH-15	44.65	-124.41	84	8.82	33.01	1.75	0.32	21.03	19.10	0.49	18.61	0.08
W0212A	12/03/02	23:33	6	NH-20	44.65	-124.53	100	8.48	33.38	1.88	0.09	27.68	23.37	0.06	23.31	
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	2	12.74	32.30	0.45	0.44	0.74	1.33	0.12	1.21	0.62
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	10	12.70	32.30	0.52	0.40	1.00	1.76	0.14	1.62	0.64
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	20	12.66	32.30	0.53	0.41	1.01	1.65	0.15	1.50	0.69
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	30	12.63	32.30	0.58	0.43	1.03	1.94	0.17	1.77	0.58
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	40	10.32	32.41	1.04	0.37	6.82	8.32	0.42	7.90	0.17
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	49	8.62	32.46	1.19	0.11	9.96	9.93	0.26	9.67	0.10
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	71	8.16	32.70	1.51	0.00	15.39	15.76	0.12	15.64	0.07
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	101	8.63	33.26	1.90	0.00	22.75	22.28	0.09	22.19	0.05
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	130	8.60	33.53	2.24	0.00	30.10	26.79	0.08	26.71	0.05
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	151	8.35	33.68	2.34	0.00	35.53	28.65	0.12	28.53	0.04
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	199	7.90	33.93	2.52	0.00	43.72	32.47	0.11	32.36	
W0212A	12/04/02	0:43	7	NH-25	44.65	-124.65	284	7.17	34.00	2.62	0.00	51.08	34.18	0.08	34.10	
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	2	12.84	32.34	0.57	0.27	0.00	1.46	0.12	1.34	0.57
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	10	12.80	32.33	0.58	0.29	0.00	1.46	0.15	1.31	0.58
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	20	12.81	32.33	0.58	0.26	0.00	1.45		1.45	0.60
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	19	12.82	32.33	0.59	0.26	0.00	1.45	0.13	1.32	0.58
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	29	12.80	32.33	0.61	0.30	0.00	1.49	0.17	1.32	0.66
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	40	10.93	32.35	1.00	0.38	5.43	6.59	0.37	6.22	0.18
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	48	9.08	32.38	1.16	0.01	8.58	9.07	0.17	8.90	0.11
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	70	7.69	32.42	1.23	0.03	9.30	9.55	0.04	9.51	0.08
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	101	8.30	32.91	1.66	0.00	16.94	17.53	0.03	17.50	0.03
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	152	8.11	33.70	2.30	0.02	34.63	28.33	0.03	28.30	0.02
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	361	6.34	34.04	3.02	0.00	63.36	38.05	0.02	38.03	
W0212A	12/04/02	13:12	8	NH-35	44.65	-124.88	422	6.21	34.03	2.91	0.01	62.15	36.26	0.06	36.20	
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	2	12.69	32.40	0.60	0.42	0.82	2.13	0.11	2.02	0.52
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	10	12.70	32.40	0.58	0.42	0.58	2.02	0.10	1.92	0.53
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	12	12.70	32.40	0.60	0.40	0.34	2.12	0.09	2.03	0.53

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	20	12.69	32.40	0.60	0.39	0.46	2.11	0.11	2.00	0.53
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	28	12.68	32.40	0.63	0.43	0.34	2.35	0.14	2.21	0.51
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	40	11.96	32.41	0.82	0.56	2.52	4.58	0.33	4.25	0.29
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	50	11.32	32.47	0.98	0.55	6.15	6.41	0.45	5.96	0.23
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	71	9.81	32.82	1.32	0.03	12.46	13.24	0.15	13.09	0.08
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	101	7.99	32.99	1.76	0.00	18.39	19.63	0.03	19.60	0.03
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	148	7.25	33.49	2.14	0.00	31.36	26.52	0.02	26.50	0.01
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	499	4.98	34.06	3.36	0.00	84.93	43.42	0.01	43.41	0.97
W0212A	12/04/02	14:57	9	NH-45	44.65	-125.12	683	4.55	34.23	3.39	0.00	96.20	42.77	0.02	42.75	
W0212A	12/04/02	16:49	10	NH-55	44.65	-125.37	79	8.15	33.04	0.95	0.32	12.25		0.19		
W0212A	12/04/02	16:49	10	NH-55	44.65	-125.37	145	8.30	33.78	2.42	0.00	37.29	30.84	0.03	30.81	
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	2	13.06	32.28	0.45	0.23	0.00	0.90	0.20	0.70	1.00
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	11	13.02	32.28	0.46	0.23	0.00	0.89	0.19	0.70	1.06
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	21	13.02	32.28	0.47	0.25	0.05	0.89	0.19	0.70	1.21
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	29	13.02	32.28	0.47	0.26	0.34	0.93	0.19	0.74	1.23
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	42	12.89	32.27	0.51	0.30	0.00	1.47	0.20	1.27	0.24
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	50	10.01	32.36	1.16	0.10	7.36	9.10	0.35	8.75	0.03
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	69	7.42	32.44	1.43	0.00	13.18	13.96	0.03	13.93	0.02
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	101	6.94	32.87	1.75	0.00	20.58	20.00	0.02	19.98	0.01
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	152	7.62	33.77	2.25	0.00	37.91	30.40	0.01	30.39	
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	875	4.00	34.35	3.70	0.00	113.53	47.25	0.01	47.24	
W0212A	12/04/02	18:55	11	NH-65	44.65	-125.6	1005	3.68	34.39	3.25	0.00			0.01		
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	1	13.67	32.37	0.49	0.41	0.05	0.76	0.10	0.66	0.38
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	10	13.66	32.37	0.50	0.42	0.09	0.75	0.10	0.65	0.37
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	20	13.62	32.37	0.50	0.37	0.05	0.74	0.10	0.64	0.45
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	30	13.56	32.35	0.54	0.39	0.05	1.04	0.12	0.92	0.57
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	40	9.78	32.39	1.19	0.00	7.61	9.51	0.26	9.25	0.07
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	50	8.05	32.44	1.39	0.00	11.85	13.12	0.03	13.09	0.04
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	69	7.40	32.61	1.57	0.00	16.09	16.83	0.06	16.77	0.03
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	101	8.06	33.26	1.98	0.19	27.73	24.27	0.05	24.22	0.02
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	150	7.62	33.79	2.43	0.00	39.72	31.45	0.05	31.40	0.01
W0212A	12/04/02	22:00	12	NH-85	44.65	-126.05	1005	3.44	34.40	3.62	0.00	129.17	46.96	0.04	46.92	
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	2	11.06	31.86	0.78	0.00	9.27	5.15	0.30	4.85	1.92
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	5	11.05	31.86	0.80	0.03	9.20	5.04	0.27	4.74	1.95
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	10	11.15	31.99	0.84	0.01	8.58	5.95	0.34	5.61	1.65
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	15	11.21	32.15	0.90	0.01	7.98	6.61	0.38	6.23	1.31
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	21	11.01	32.31	0.94	0.00	6.89	6.96	0.23	6.72	0.48
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	25	11.04	32.38	0.91	0.01	6.76	7.36	0.09	7.25	0.30
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	31	10.98	32.39	1.05	0.03	7.18	7.81	0.11	7.70	0.24
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	41	10.45	32.71	1.37	0.03	16.11	12.70	0.10	12.60	0.22
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	50	10.45	32.72	1.34	0.06	16.00	12.23	0.09	12.14	0.21
W0302A	02/14/03	19:56	2	NH-05	44.65	-124.18	53	10.45	32.72	1.30	0.05	14.42	11.56	0.09	11.47	0.22
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	1	10.69	31.56	0.54	0.04	8.81	2.78	0.08	2.69	3.84
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	5	10.69	31.57	0.56	0.02	8.71	2.82	0.09	2.73	4.01
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	10	10.90	31.92	0.75	0.00	8.60	4.96	0.18	4.78	2.46
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	20	11.01	32.19	0.95	0.00	8.25	7.09	0.21	6.88	0.58
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	30	10.96	32.28	1.00	0.00	7.41	7.54	0.18	7.36	0.38
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	40	10.85	32.45	1.11	0.02	7.56	8.81	0.05	8.76	0.20
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	50	10.21	32.74	1.41	0.02	16.09	13.24	0.04	13.20	0.14
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	60	9.38	33.04	1.77	0.03	27.26	19.10	0.06	19.04	0.13
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	70	8.78	33.27	2.06	0.06	30.87	23.48	0.08	23.40	0.07

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0302A	02/14/03	22:38	4	NH-15	44.65	-124.41	85	8.50	33.41	2.16	0.09	32.87	25.26	0.14	25.12	0.05
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	1	10.48	31.69	0.64	0.28	7.04	3.94	0.09	3.85	1.32
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	5	10.48	31.72	0.63	0.25	5.94	3.63	0.09	3.54	1.31
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	10	10.47	31.75	0.66	0.13	6.36	3.87	0.11	3.77	1.20
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	21	10.57	31.94	0.73	0.00	5.39	4.48	0.17	4.31	1.46
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	31	10.82	32.32	0.86	0.02	6.65	6.51	0.32	6.19	0.54
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	40	11.04	32.43	0.94	0.00	4.45	7.22	0.06	7.16	0.17
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	50	11.02	32.47	1.00	0.00	4.47	7.82	0.04	7.79	0.11
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	71	10.87	32.61	1.16	0.00	7.09	10.11	0.03	10.08	0.05
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	100	9.11	32.97	1.71	0.00	18.24	18.73	0.03	18.70	0.03
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	150	7.86	33.80	2.46	0.00	40.03	31.73	0.13	31.60	0.02
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	199	7.42	33.96	2.68	0.00	48.71	35.04	0.05	34.99	
W0302A	02/15/03	0:32	6	NH-25	44.65	-124.65	287	6.73	34.01	2.81	0.00	56.15	36.51	0.04	36.47	
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	2	10.73	31.98	0.75	0.00	5.16	3.90	0.18	3.72	1.43
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	5	10.74	31.98	0.75	0.05	5.55	3.74	0.16	3.58	1.41
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	10	10.72	32.00	0.75	0.00	5.40	4.17	0.20	3.97	1.36
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	21	10.96	32.27	0.87	0.11	4.58	6.20	0.37	5.83	0.69
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	30	11.13	32.37	0.97	0.00	5.03	7.03	0.13	6.90	0.26
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	40	11.20	32.44	0.93	0.00	5.05	6.96	0.05	6.91	0.31
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	50	11.17	32.46	0.93	0.00	5.38	6.80	0.04	6.76	0.12
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	70	11.05	32.57	1.11	0.00	7.32	8.88	0.04	8.84	0.07
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	101	9.88	32.84	1.49	0.00	14.09	14.39	0.03	14.35	0.03
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	151	8.17	33.56	1.97	0.00	25.11	22.39	0.02	22.36	0.01
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	299	6.86	34.01	2.80	0.00	54.64	35.66	0.05	35.61	
W0302A	02/15/03	1:58	7	NH-35	44.65	-124.88	428	5.97	34.01	2.94	0.00	66.38	36.99	0.04	36.95	
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	2	11.04	32.09	0.76	0.02	4.97	4.57	0.28	4.29	0.69
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	10	11.04	32.09	0.69	0.14	2.93	4.26	0.24	4.01	0.72
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	20	11.01	32.17	0.80	0.01	3.75	4.89	0.30	4.59	0.68
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	31	10.92	32.29	0.83	0.06	3.65	5.13	0.31	4.81	0.70
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	40	10.79	32.33	0.86	0.00	3.74	5.11	0.38	4.73	0.65
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	50	10.75	32.34	0.85	0.10	3.65	5.40	0.39	5.01	0.61
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	61	10.66	32.39	0.90	0.09	4.10	6.23	0.28	5.95	0.25
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	71	10.15	32.55	1.18	0.02	8.09	10.44	0.06	10.39	0.07
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	100	8.18	32.82	1.64	0.00	16.56	16.85	0.04	16.81	0.02
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	152	7.64	33.51	2.14	0.00	30.48	26.49	0.03	26.46	0.01
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	500	5.45	34.09	3.37	0.00	82.28	42.41	0.03	42.38	
W0302A	02/15/03	23:47	11	NH-45	44.65	-125.12	606	4.85	34.18	3.54	0.00	96.81	44.34	0.04	44.30	
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	3	10.67	32.37	0.80	0.03	3.95	4.96	0.26	4.67	0.78
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	9	10.67	32.37	0.89	0.00	4.46	5.24	0.30	4.93	0.77
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	11	10.67	32.37	0.88	0.00	4.46	5.22	0.30	4.92	0.79
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	21	10.66	32.37	0.90	0.02	4.58	5.41	0.30	5.10	0.83
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	29	10.66	32.37	0.87	0.06	4.72	5.44	0.29	5.15	0.82
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	41	10.68	32.37	0.87	0.00	4.81	5.23	0.31	4.92	0.77
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	49	10.68	32.37	0.86	0.00	4.96	5.46	0.28	5.18	0.73
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	68	10.49	32.89	1.42	0.00	12.07	13.41	0.04	13.37	0.03
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	101	8.10	33.16	1.81	0.00	20.90	19.97	0.03	19.94	0.02
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	152	8.23	33.77	2.36	0.00	33.97	28.77	0.03	28.73	0.01
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	823	4.14	34.31	3.64	0.00	119.55	45.48	0.03	45.45	
W0302A	02/15/03	18:41	9	NH-65	44.65	-125.6	1003	3.72	34.40	3.75	0.00	129.36	47.30	0.03	47.27	
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	3	11.08	32.45	0.82	0.01	4.62	5.25	0.30	4.95	0.69
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	10	11.09	32.45	0.82	0.01	5.11	5.18	0.30	4.88	0.72

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	21	11.09	32.45	0.76	0.10	3.80	5.17	0.27	4.90	0.69
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	31	11.10	32.45	0.83	0.00	3.89	5.25	0.31	4.95	0.70
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	40	11.11	32.45	0.83	0.00	4.01	5.24	0.31	4.93	0.68
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	51	11.12	32.50	0.84	0.01	4.00	5.37	0.29	5.08	0.59
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	73	10.71	33.00	1.38	0.00	11.14	13.22	0.05	13.17	0.07
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	100	7.82	33.10	1.86	0.00	21.67	21.12	0.03	21.09	0.02
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	151	7.54	33.65	2.29	0.00	35.10	28.83	0.03	28.79	0.01
W0302A	02/15/03	15:23	8	NH-85	44.65	-126.05	1003	3.69	34.40	3.59	0.00	130.97	47.23	0.03	47.20	
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	1	11.25	31.23	0.21	0.03	1.28	0.11	0.05	0.06	7.36
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	5	11.24	31.23	0.24	0.06	1.21	0.10	0.05	0.05	6.20
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	9	11.23	31.25	0.25	0.08	1.14	0.10	0.05	0.06	7.38
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	15	11.03	31.46	0.47	0.23	2.63	1.47	0.13	1.35	7.07
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	21	10.88	31.68	0.57	0.49	2.95	2.22	0.17	2.04	5.94
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	26	10.87	31.96	0.65	0.73	3.92	2.62	0.19	2.43	5.77
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	32	10.69	32.04	0.78	1.21	6.23	4.18	0.29	3.89	1.30
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	41	10.58	32.18	0.87	1.41	7.85	5.10	0.34	4.75	0.69
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	51	10.07	32.57	1.20	1.12		9.27	0.36	8.92	0.60
W0304A	04/01/03	23:30	3	NH-05	44.65	-124.18	54	9.90	32.70	1.35	0.80	18.98	11.68	0.36	11.33	0.63
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	2	10.84	31.85	0.44	0.21	1.94	0.90	0.11	0.79	5.15
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	6	10.84	31.85	0.48	0.12	1.89	1.07	0.12	0.95	5.10
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	10	10.87	31.92	0.54	0.25	2.49	1.41	0.14	1.27	4.20
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	20	10.86	31.95	0.54	0.30	2.55	1.64	0.15	1.49	3.78
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	30	10.68	32.22	0.67	0.38	3.00	3.01	0.20	2.81	1.01
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	41	10.60	32.25	0.68	0.37	3.06	3.52	0.23	3.29	0.77
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	50	10.50	32.27	0.73	0.31	3.12	4.50	0.31	4.19	0.50
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	59	10.42	32.34	0.86	0.38	5.00	6.10	0.37	5.74	0.27
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	70	10.25	32.49	1.12	0.31	11.17	9.78	0.25	9.52	0.25
W0304A	04/02/03	4:39	6	NH-15	44.65	-124.41	85	9.37	32.90	1.59	0.00	20.59	17.19	0.11	17.08	0.14
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	3	10.64	32.26	0.65	0.30	3.99	3.25	0.17	3.08	0.77
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	10	10.64	32.26	0.68	0.29		3.53	0.19	3.35	0.76
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	20	10.64	32.26	0.64	0.33	2.55	3.07	0.17	2.90	0.78
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	31	10.64	32.26	0.68	0.36	2.50	3.64	0.18	3.45	0.73
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	40	10.64	32.26	0.67	0.36	3.08	3.41	0.19	3.22	0.73
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	50	10.61	32.26	0.68	0.46	3.01	3.63	0.20	3.43	0.61
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	72	10.44	32.28	0.77	0.97	3.35	4.95	0.30	4.65	0.21
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	101	8.75	33.13	1.78	0.00	23.67	19.49	0.06	19.44	0.06
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	151	8.13	33.69	2.34	0.00	37.38	31.16	0.12	31.04	0.04
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	201	7.29	33.97		0.00	49.53	35.35	0.14	35.21	
W0304A	04/02/03	18:25	9	NH-25	44.65	-124.65	287	6.18	34.04	2.92	0.00	67.79	39.20	0.09	39.10	
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	4	10.66	32.26	0.61	0.39	2.24	3.17	0.18	3.00	0.68
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	11	10.66	32.26	0.64	0.37	3.25	3.37	0.19	3.18	0.67
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	22	10.66	32.26	0.65	0.36	2.16	3.29	0.19	3.10	0.68
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	26	10.66	32.26	0.66	0.37	1.49	3.32	0.19	3.13	0.68
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	32	10.67	32.26	0.65	0.37	1.57	3.18	0.18	3.00	0.67
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	38	10.67	32.26	0.67	0.37	2.07	3.27	0.18	3.09	0.66
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	50	10.65	32.26	0.68	0.39	2.04	3.35	0.19	3.16	0.64
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	68	10.31	32.38	0.87	0.51	5.37	6.66	0.37	6.30	0.17
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	101	8.44	33.09	1.70	0.52	21.23	19.73	0.07	19.67	0.07
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	149	8.18	33.65	2.18	0.02	33.99	28.39	0.07	28.31	
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	317	6.19	34.03	2.69	0.22	59.31	34.28	0.02	34.26	
W0304A	04/02/03	16:44	8	NH-35	44.65	-124.88	429	4.92	34.13	3.14	0.00	86.18	40.62	0.03	40.58	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	2	10.47	32.31	0.68	0.37	0.86	3.63	0.21	3.42	0.34
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	10	10.47	32.31	0.68	0.38	0.80	3.72	0.22	3.49	0.37
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	21	10.48	32.31	0.71	0.38	1.03	4.12	0.24	3.88	0.36
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	31	10.49	32.32	0.68	0.37	1.01	3.67	0.21	3.45	0.36
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	40	10.49	32.33	0.69	0.33	0.97	3.75	0.21	3.54	0.38
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	49	10.48	32.33	0.75	0.31	0.93	4.32	0.22	4.10	0.41
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	53	10.46	32.34	0.70	0.31	1.15	4.02	0.19	3.83	0.40
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	70	10.18	32.37	0.85	0.28	2.80	5.99	0.23	5.76	0.34
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	102	8.80	32.98	1.42	0.13	12.73	14.85	0.03	14.81	0.08
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	150	8.12	33.65	2.12	0.00	32.48	28.03	0.04	27.99	
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	329	6.60	34.02	2.75	0.00	59.21	37.54	0.04	37.51	
W0304A	04/02/03	14:48	7	NH-45	44.65	-125.12	500	5.05	34.13	3.20	0.00	86.85	42.58	0.04	42.54	
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	2	10.61	32.31	0.71	0.14	2.43	3.82	0.16	3.67	0.60
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	10	10.61	32.31	0.62	0.26	2.52	3.21	0.13	3.07	0.63
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	21	10.61	32.31	0.70	0.14	4.04	3.88	0.16	3.72	0.61
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	30	10.61	32.31	0.65	0.37		3.70	0.15	3.55	0.63
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	40	10.57	32.32	0.75	0.17	4.23	4.69	0.17	4.52	0.59
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	49	10.43	32.37	0.85	0.29	4.97	5.96	0.21	5.75	0.47
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	70	10.28	32.42	0.97	0.21	6.75	8.15	0.28	7.87	0.18
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	99	8.58	33.09	1.62	0.01	20.03	17.49	0.04	17.45	0.06
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	151	8.14	33.77	2.07	0.01	31.90	26.69	0.03	26.65	0.04
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	401	5.69	34.01	2.80	0.00	66.78	38.03	0.03	38.00	
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	948	3.71	34.38	3.34	0.01	125.33	44.95	0.02	44.93	
W0304A	04/03/03	0:41	11	NH-65	44.65	-125.6	1005	3.53	34.40	3.36	0.02	129.05	44.98	0.02	44.96	
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	3	10.73	32.30	0.67	0.26	3.32	3.05	0.15	2.90	0.59
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	11	10.73	32.30	0.66	0.22	3.70	3.01	0.16	2.85	0.60
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	19	10.73	32.30	0.67	0.22	2.92	3.06	0.16	2.91	0.54
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	30	10.73	32.30	0.67	0.23	2.91	3.07	0.17	2.90	0.60
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	30	10.73	32.30	0.67	0.23	2.90	3.08	0.16	2.91	0.54
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	38	10.74	32.30	0.65	0.24	3.40	2.92	0.15	2.78	0.58
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	52	10.73	32.31	0.64	0.22	2.49	2.87	0.13	2.74	0.64
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	70	10.40	32.38	0.87	0.50	5.44	6.15	0.22	5.93	0.27
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	100	8.51	33.07	1.74	0.01	21.67	20.10	0.04	20.05	0.05
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	149	8.26	33.67	2.19	0.00	34.16	27.82	0.03	27.80	0.02
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	627	4.62	34.19	3.27	0.00	98.59	42.88	0.02	42.86	
W0304A	04/03/03	4:05	12	NH-85	44.65	-126.05	1005	3.66	34.42	3.41	0.03	122.04	43.58	0.03	43.55	
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	2	10.71	29.89	0.35	0.24	12.31	0.15	0.03	0.12	4.10
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	5	10.70	30.71	0.40	0.14	5.60	0.16	0.04	0.12	4.59
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	9	10.64	32.03	0.42	0.21	1.47	0.17	0.04	0.12	5.57
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	16	10.72	32.16	0.51	0.22	1.45	0.70	0.06	0.63	6.11
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	21	10.72	32.19	0.52	0.34	1.57	0.76	0.07	0.68	5.92
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	26	10.70	32.21	0.57	0.44	1.69	1.03	0.08	0.95	5.49
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	30	10.69	32.24	0.57	0.48	1.43	1.03	0.06	0.95	5.31
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	39	10.68	32.30	0.72	0.98	3.60	2.83	0.19	2.65	3.38
W0304A	04/06/03	18:51	44	HH-01	44.00	-124.2	45	10.58	32.38	0.86	1.36	12.74	4.95	0.26	4.69	2.70
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	2	10.71	32.15	0.40	0.07	1.60	0.10	0.02	0.08	4.08
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	6	10.71	32.15	0.39	0.04	1.34	0.16	0.03	0.13	3.98
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	10	10.71	32.15	0.42	0.04	1.58	0.32	0.04	0.28	4.01
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	20	10.71	32.16	0.42	0.16	1.32	0.64	0.04	0.60	4.19
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	29	10.72	32.31	0.68	0.74	3.63	2.76	0.18	2.58	2.46
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	39	10.69	32.33	0.85	1.17	6.71	5.14	0.29	4.85	0.50
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	49	10.55	32.38	0.98	0.98	9.01	7.21	0.38	6.83	0.35

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	60	9.64	32.86	1.47	0.00	18.54	15.45	0.28	15.17	0.18
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	69	9.22	33.10	1.75	0.00	25.23	20.11	0.08	20.03	0.11
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	100	7.88	33.72	2.29	0.00	41.20	29.78	0.13	29.65	0.10
W0304A	04/06/03	16:04	42	HH-02	44.00	-124.4	113	7.61	33.82	2.21	0.49	39.26	29.73	0.10	29.62	0.12
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	2	10.67	32.14	0.49	0.29	1.79	1.00	0.10	0.90	3.47
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	10	10.66	32.14	0.51	0.38	1.82	1.16	0.11	1.05	3.32
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	20	10.66	32.14	0.52	0.31	1.87	1.21	0.11	1.10	3.49
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	25	10.67	32.15	0.51	0.32	1.90	1.22	0.11	1.10	3.37
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	30	10.67	32.15	0.50	0.40	1.96	1.27	0.11	1.16	3.25
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	40	10.68	32.22	0.65	0.72	3.53	2.89	0.21	2.68	1.24
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	49	10.65	32.34	0.79	1.07	4.84	4.66	0.27	4.40	0.37
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	60	10.61	32.34	0.82	0.88	4.89	4.98	0.32	4.66	0.25
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	70	10.48	32.42	0.91	0.96	7.75	6.91	0.36	6.56	0.24
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	101	8.20	33.62	2.28	0.00	38.43	28.59	0.21	28.38	0.16
W0304A	04/06/03	14:40	41	HH-03	44.00	-124.6	144	6.95	33.97	2.62	0.92	58.45	33.50	0.12	33.38	0.13
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	2	10.60	32.20	0.63	0.39	4.14	2.87	0.21	2.67	1.91
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	5	10.60	32.20	0.63	0.36	3.80	2.67	0.19	2.47	1.93
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	10	10.61	32.21	0.64	0.36	3.34	2.88	0.20	2.68	1.84
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	20	10.61	32.20	0.63	0.38	3.14	2.88	0.20	2.68	1.93
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	25	10.62	32.21	0.65	0.37	3.43	2.88	0.20	2.68	1.83
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	31	10.61	32.21	0.69	0.37	2.71	2.88	0.19	2.68	1.84
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	41	10.62	32.21	0.64	0.39	3.80	2.88	0.20	2.68	1.75
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	51	10.64	32.22	0.62	0.32	3.85	3.19	0.18	2.99	1.33
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	60	10.57	32.30	0.84	0.61	5.65	5.65	0.41	5.24	0.25
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	70	10.20	32.49	1.08	0.37	10.28	9.67	0.27	9.40	0.13
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	94	9.13	33.14	1.79	0.00	27.00	21.11	0.21	20.90	0.14
W0304A	04/06/03	13:18	40	HH-04	44.00	-124.8	100	8.84	33.28	1.89	0.00	29.59	22.57	0.21	22.36	0.13
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	2	10.65	32.23	0.67	0.65	4.34	3.60	0.23	3.36	0.63
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	9	10.66	32.23	0.69	0.67	4.64	3.60	0.23	3.36	0.63
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	20	10.66	32.23	0.68	0.68	10.41	3.70	0.23	3.47	0.63
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	31	10.66	32.23	0.68	0.61	3.59	3.60	0.24	3.36	0.65
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	41	10.66	32.23	0.69	0.61	3.63	3.60	0.23	3.37	0.62
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	51	10.65	32.25	0.73	0.83	2.93	4.12	0.23	3.89	0.40
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	71	10.17	32.49	1.12	0.37	10.10	10.39	0.14	10.25	0.10
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	101	8.29	33.46	2.04	0.03	36.83	26.37	0.09	26.28	0.03
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	150	7.68	33.91	2.39	0.00	45.67	32.33	0.06	32.26	0.02
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	499	5.03	34.12	3.16	0.00	87.05	41.99	0.03	41.96	
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	552	4.79	34.17	3.26	0.02	97.65	44.24	0.03	44.20	
W0304A	04/06/03	11:12	39	HH-05	44.00	-125.	771	4.10	34.31	3.44	0.00	116.01	45.28	0.03	45.25	
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	2	10.80	32.17	0.53	0.14	2.16	1.26	0.09	1.17	7.20
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	4	10.80	32.17	0.51	0.13	2.26	1.16	0.08	1.07	7.17
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	12	10.80	32.17	0.53	0.12	2.35	1.26	0.08	1.18	7.07
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	16	10.79	32.17	0.54	0.16	2.31	1.37	0.08	1.29	7.14
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	20	10.80	32.18	0.53	0.13	2.30	1.53	0.09	1.45	7.11
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	25	10.82	32.19	0.57	0.17	1.72	1.59	0.09	1.50	7.22
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	29	10.83	32.21	0.61	0.29	2.49	1.85	0.10	1.75	7.24
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	42	10.58	32.44	0.96	1.06	9.64	5.62	0.29	5.33	3.15
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	50	9.93	32.87	1.56	0.29	22.66	15.62	0.44	15.18	1.15
W0304A	04/03/03	15:56	14	FM-03	43.22	-124.5	58	9.51	33.14	1.74	0.15	27.68	18.74	0.44	18.30	0.78
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	2	10.77	32.31	0.63	0.26	3.68	3.09	0.19	2.90	1.56
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	7	10.77	32.31	0.63	0.22	3.26	3.09	0.19	2.90	1.59

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	11	10.77	32.31	0.67	0.21	3.74	3.31	0.21	3.10	1.51
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	21	10.77	32.31	0.63	0.30	5.04	3.25	0.20	3.05	1.42
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	28	10.77	32.31	0.64	0.21	4.22	3.36	0.19	3.17	1.43
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	41	10.76	32.36	0.72	0.58	4.97	3.58	0.24	3.34	1.43
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	50	10.21	32.68	1.18	0.26	13.33	11.96	0.31	11.65	0.34
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	60	8.89	33.42	2.13	0.00	36.06	25.14	0.26	24.88	0.17
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	70	8.62	33.57	2.23	0.05	38.16	26.86	0.28	26.57	0.16
W0304A	04/03/03	17:25	15	FM-04	43.22	-124.58	79	8.43	33.67	2.20	0.14	37.05	26.70	0.37	26.33	0.18
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	3	10.75	32.31	0.69	0.27	3.94	3.58	0.18	3.39	0.73
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	10	10.75	32.31	0.68	0.29	3.64	3.52	0.18	3.34	0.78
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	17	10.74	32.31	0.65	0.24	3.48	3.36	0.17	3.19	0.71
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	20	10.73	32.32	0.69	0.21	4.11	3.68	0.19	3.50	0.77
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	31	10.74	32.32	0.69	0.24	4.08	3.68	0.20	3.48	0.74
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	40	10.72	32.35	0.75	0.39	4.31	4.54	0.27	4.28	0.53
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	52	10.56	32.36	0.81	0.46	4.01	5.30	0.27	5.03	0.36
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	61	10.55	32.39	0.87	0.39	5.04	4.97	0.31	4.67	0.26
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	69	10.25	32.62	1.16	0.04	10.73	11.10	0.32	10.78	0.13
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	100	8.63	33.64	2.32	0.02	39.72	28.42	0.55	27.86	0.19
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	129	7.61	33.90	2.45	0.11	48.07	32.40	0.15	32.24	0.07
W0304A	04/03/03	18:53	16	FM-05	43.22	-124.67	149	7.65	33.92	2.42	0.18	44.18	31.27	0.18	31.08	0.08
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	2	10.91	32.34	0.62	0.22	3.42	2.82	0.14	2.68	0.76
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	11	10.89	32.34	0.67	0.24	3.14	3.04	0.16	2.88	0.75
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	20	10.89	32.34	0.62	0.28	2.62	3.04	0.14	2.90	0.73
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	27	10.87	32.34	0.85	0.37	3.13	3.05	0.16	2.89	0.71
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	31	10.86	32.34	0.64	0.28	3.38	2.84	0.14	2.70	0.68
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	41	10.77	32.38	0.75	0.36	4.40	4.32	0.26	4.06	0.51
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	51	10.74	32.39	0.79	0.52	5.17	4.53	0.32	4.22	0.32
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	69	10.17	32.70	1.19	0.00	11.64	11.78	0.23	11.55	0.14
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	102	8.53	33.36	1.88	0.00	26.65	23.29	0.03	23.26	0.05
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	150	8.11	33.86	2.35	0.00	40.37	30.81	0.03	30.78	0.02
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	163	8.06	33.89	2.38	0.00	42.05	31.44	0.02	31.42	
W0304A	04/03/03	22:08	18	FM-07	43.22	-124.83	301	6.25	34.03	2.79	0.00	61.98	36.96	0.03	36.93	
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	3	10.62	32.34	0.81	0.02	4.44	5.44	0.11	5.33	0.38
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	10	10.63	32.34	0.74	0.26	6.63	4.77	0.10	4.66	0.38
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	20	10.63	32.34	0.81	0.00	4.68	5.30	0.12	5.17	0.38
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	30	10.63	32.34	0.79	0.02	4.02	5.25	0.12	5.13	0.39
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	40	10.61	32.34	0.75	0.02	4.53	5.31	0.12	5.18	0.38
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	42	10.61	32.34	0.78	0.06	5.30	5.31	0.12	5.18	0.38
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	50	10.52	32.35	0.84	0.08	4.25	5.58	0.14	5.43	0.39
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	69	9.77	32.48	1.02	0.23	6.70	7.63	0.26	7.37	0.22
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	100	7.50	33.16	1.69	0.00	23.01	20.77	0.04	20.72	0.02
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	149	7.63	33.80	2.13	0.00	36.73	28.65	0.04	28.61	0.01
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	451	5.13	34.07	3.17	0.02	87.62	43.15	0.04	43.12	
W0304A	04/04/03	1:10	19	FM-08	43.22	-125.	1008	3.43	34.44	3.27	0.01	128.28	45.68	0.04	45.63	
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	2	10.59	32.35	0.77	0.17	4.17	5.23	0.12	5.11	0.39
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	10	10.59	32.36	0.75	0.02	3.77	4.97	0.10	4.87	0.38
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	20	10.59	32.36	0.82	0.05	3.89	5.55	0.10	5.45	0.39
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	31	10.59	32.36	0.81	0.00	4.01	5.45	0.11	5.34	0.40
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	40	10.57	32.36	0.79	0.00	4.13	5.25	0.10	5.15	0.39
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	46	10.56	32.36	0.84	0.21	4.12	5.36	0.12	5.24	0.38
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	51	10.46	32.37	0.83	0.10	4.11	5.63	0.08	5.55	0.38
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	71	9.57	32.61	1.25	0.02	11.48	12.56	0.18	12.38	0.14

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	102	7.43	33.07	1.57	0.00	20.41	18.29	0.01	18.28	0.03
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	149	7.51	33.74	1.89		38.40	25.13	0.03	25.10	0.01
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	510	4.84	34.13	3.25	0.01	93.44	44.31	0.02	44.28	
W0304A	04/04/03	3:10	20	FM-09	43.22	-125.17	1004	3.45	34.42	3.49	0.00	127.11	46.46	0.02	46.44	
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	3	10.81	31.07	0.38	0.04	9.44	0.33	0.04	0.30	3.11
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	6	10.81	31.06	0.36	0.01	7.85	0.35	0.03	0.32	3.08
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	11	10.88	31.53	0.35	0.06	5.09	0.36	0.06	0.30	3.18
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	15	10.97	31.87	0.38	0.05	3.50	0.37	0.05	0.33	4.12
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	21	10.94	32.00	0.38	0.01	3.47	0.39	0.04	0.34	3.87
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	25	10.96	32.08	0.41	0.05	2.79	0.51	0.04	0.48	3.65
W0304A	04/06/03	2:11	38	RR-01	42.50	-124.5	32	10.89	32.17	0.50	0.18	3.40	1.46	0.04	1.42	3.28
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	2	10.91	32.06	0.43	0.07	3.40	0.77	0.04	0.73	2.67
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	5	10.92	32.07	0.42	0.07	3.90	0.73	0.07	0.66	2.59
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	10	10.92	32.07	0.42	0.08	2.95	0.58	0.08	0.51	2.60
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	15	10.93	32.09	0.42	0.16	3.57	0.87	0.07	0.80	2.39
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	20	10.92	32.13	0.45	0.19	3.02	1.16	0.07	1.09	2.12
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	31	10.86	32.21	0.52	0.53	3.78	2.17	0.12	2.04	1.43
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	39	10.82	32.26	0.58	0.54	6.34	3.00	0.16	2.84	1.46
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	49	10.03	32.75	1.34	0.00	16.58	13.45	0.14	13.31	0.37
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	60	9.27	33.05	1.57	0.00	18.24	19.40	0.08	19.32	0.13
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	70	8.49	33.37	1.87	0.00	27.04	23.37	0.07	23.30	0.07
W0304A	04/06/03	0:40	37	RR-02	42.50	-124.6	83	8.40	33.61	2.12	0.04	34.29	26.24	0.12	26.11	0.12
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	2	10.88	32.18	0.45	0.08	1.65	0.89	0.04	0.84	1.75
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	5	10.88	32.18	0.44	0.10	0.58	0.74	0.03	0.71	1.81
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	10	10.88	32.18	0.42	0.10	0.55	0.70	0.05	0.64	1.81
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	19	10.89	32.18	0.45	0.11	0.52	0.88	0.06	0.82	1.77
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	26	10.90	32.21	0.50	0.09	1.53	1.11	0.07	1.04	1.85
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	29	10.91	32.24	0.52	0.16	2.03	1.51	0.09	1.42	1.87
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	41	10.93	32.34	0.60	0.17	3.55	2.96	0.14	2.81	0.93
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	50	10.76	32.39	0.81	0.46	4.56	5.16	0.32	4.84	0.38
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	60	9.42	32.72	1.27	0.00	12.85	12.76	0.12	12.64	0.18
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	70	9.14	33.11	1.64	0.00	22.18	19.47	0.04	19.43	0.08
W0304A	04/05/03	22:55	36	RR-03	42.50	-124.7	120	8.40	33.65	2.14	0.21	33.84	27.12	0.14	26.98	0.05
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	2	10.79	32.30	0.64	0.16	1.41	2.83	0.11	2.72	0.86
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	9	10.79	32.30	0.63	0.10	1.35	3.05	0.12	2.93	0.86
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	16	10.79	32.31	0.67	0.15	1.32	3.16	0.11	3.05	0.79
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	20	10.79	32.33	0.69	0.11	1.27	3.22	0.12	3.10	0.78
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	29	10.79	32.34	0.74	0.16	3.97	3.82	0.13	3.69	0.59
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	38	10.77	32.35	0.75	0.26	1.96	3.98	0.14	3.84	0.51
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	51	10.64	32.44	0.84	0.39	3.49	5.67	0.22	5.45	0.34
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	68	9.31	33.03	1.59	0.00	17.68	17.79	0.04	17.75	0.11
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	99	8.43	33.60	2.16	0.00	31.86	27.09	0.07	27.01	0.03
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	152	8.06	33.87	2.22	0.03	35.61	27.74	0.13	27.61	0.03
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	500	5.08	34.15	3.33	0.04	88.99	44.37	0.02	44.35	
W0304A	04/05/03	20:17	35	RR-04	42.50	-124.8	593	4.55	34.24	3.47	0.00	102.79	45.41	0.03	45.38	
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	3	10.86	32.35	0.64	0.14	1.60	2.75	0.11	2.64	0.53
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	10	10.86	32.35	0.62	0.10	1.56	2.59	0.11	2.47	0.53
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	21	10.86	32.35	0.65	0.13	1.51	2.81	0.12	2.69	0.53
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	30	10.86	32.35	0.64	0.12	1.48	2.70	0.12	2.58	0.53
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	40	10.82	32.35	0.68	0.26	1.68	3.03	0.13	2.90	0.50
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	50	10.56	32.38	0.85	0.59	2.94	4.99	0.19	4.80	0.40

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	69	9.63	32.93	1.42	0.02	15.70	14.77	0.06	14.72	0.13
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	98	8.02	33.29	1.85	0.00	24.53	22.93	0.05	22.88	0.04
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	151	7.52	33.87	2.07	0.00	35.98	27.39	0.02	27.36	0.01
W0304A	04/05/03	16:57	33	RR-06	42.50	-125.	1005	3.56	34.43	3.22	0.01	122.54		0.02		
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	2	10.62	32.34	0.73	0.10	3.45	4.08	0.13	3.95	0.38
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	10	10.63	32.34	0.72	0.10	3.15	4.51	0.11	4.39	0.39
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	20	10.63	32.34	0.78	0.05	3.37	4.52	0.13	4.39	0.35
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	30	10.63	32.34	0.75	0.07	3.33	4.08	0.12	3.96	0.35
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	40	10.62	32.34	0.71	0.11	3.01	3.87	0.11	3.75	0.28
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	51	10.50	32.35	0.84	0.19	4.01	5.07	0.15	4.92	0.37
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	71	8.96	32.71	1.40	0.00	12.72	14.04	0.12	13.92	0.17
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	100	8.76	33.46	1.96	0.00	27.69	24.20	0.04	24.16	0.05
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	150	8.08	33.77	2.22	0.00	35.22	28.82	0.04	28.79	0.02
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	511	5.16	34.17	3.38	0.00	88.34	44.64	0.03	44.61	
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	880	3.91	34.36	3.56	0.00	118.08	46.60	0.03	46.57	
W0304A	04/05/03	15:10	32	RR-07	42.50	-125.2	1006	3.55	34.41	3.49	0.00	130.57	45.95	0.02	45.92	
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	2	10.99	32.02	0.50	0.00	2.48	1.69	0.08	1.61	2.18
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	5	11.06	32.04	0.51	0.07	2.56	1.69	0.08	1.61	2.32
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	8	11.07	32.05	0.50	0.06	2.51	1.69	0.07	1.61	2.12
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	10	11.04	32.09	0.54	0.06	3.22	2.16	0.11	2.05	1.98
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	15	10.98	32.17	0.61	0.23	4.60	3.36	0.16	3.20	1.66
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	20	10.86	32.28	0.80	0.35	8.08	5.67	0.27	5.40	1.09
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	26	10.46	32.59	1.07	0.22	13.08	9.65	0.39	9.26	0.55
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	30	10.09	32.84	1.28	0.22	16.69	12.32	0.46	11.86	0.36
W0304A	04/04/03	13:38	21	CR-01	41.90	-124.3	35	10.04	32.87	1.44	0.26	19.22	14.20	0.40	13.80	0.45
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	2	11.06	32.22	0.47	0.00	2.54	1.22	0.03	1.18	1.86
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	5	11.06	32.22	0.42	0.06	5.61	1.32	0.02	1.30	1.86
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	10	11.06	32.22	0.43	0.00	2.16	1.27	0.02	1.25	1.85
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	15	11.08	32.22	0.46	0.00	3.17	1.16	0.04	1.13	1.92
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	20	11.08	32.22	0.48	0.00	2.61	1.27	0.05	1.22	1.84
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	30	11.04	32.26	0.52	0.58	3.23	1.84	0.09	1.75	1.12
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	41	10.88	32.35	0.69	1.42	11.84	4.36	0.20	4.16	0.49
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	49	10.45	32.58	1.07	0.21	9.61	9.75	0.41	9.34	0.14
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	60	9.62	33.08	1.61	0.00	20.88	18.34	0.14	18.20	0.10
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	70	9.46	33.17	1.66	0.00	24.84	19.81	0.09	19.72	0.11
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	100	8.12	33.85	2.31	0.00	38.30	29.76	0.09	29.66	0.05
W0304A	04/04/03	16:15	23	CR-03	41.90	-124.5	116	7.91	33.93	2.29	0.02	47.10	30.33	0.00	30.33	0.03
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	2	11.03	32.26	0.57	0.41	2.86	2.37	0.15	2.22	0.92
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	11	11.00	32.27	0.58	0.32	2.77	2.53	0.16	2.37	0.95
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	11	11.00	32.28	0.58	0.38	2.70	2.53	0.16	2.37	0.96
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	20	10.99	32.30	0.59	0.27	2.85	2.79	0.19	2.60	0.91
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	29	10.99	32.32	0.63	0.32	2.91	3.10	0.21	2.89	0.79
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	39	10.99	32.35	0.67	0.41	2.51	3.57	0.23	3.35	0.65
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	50	10.96	32.37	0.69	0.57	2.57	3.83	0.18	3.66	0.47
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	71	9.60	33.05	1.55	0.00	17.20	17.76	0.08	17.69	0.16
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	100	8.99	33.45	1.96	0.00	27.29	23.84	0.05	23.79	0.08
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	150	7.61	33.94	2.39	0.00	43.34	31.22	0.02	31.20	0.03
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	252	6.43	34.04	2.72	0.00		37.19	0.00	37.19	
W0304A	04/04/03	18:00	24	CR-04	41.90	-124.6	450	5.25	34.14	3.22	0.00	87.54	42.27	0.00	42.27	
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	2	11.23	32.35	0.60	0.21	0.87	2.06	0.14	1.92	0.59
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	10	11.20	32.35	0.60	0.20	0.73	2.10	0.13	1.98	0.56

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	20	11.15	32.35	0.61	0.23	0.71	2.15	0.14	2.01	0.54
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	30	11.15	32.35	0.61	0.20	0.70	2.25	0.14	2.11	0.56
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	41	11.14	32.35	0.62	0.31	0.67	2.30	0.14	2.15	0.53
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	51	11.06	32.36	0.67	0.44	1.42	2.76	0.16	2.60	0.48
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	70	9.25	32.86	1.38	0.00	13.17	14.51	0.08	14.43	0.13
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	101	8.54	33.33	1.81	0.01	26.32	21.67	0.04	21.63	0.06
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	150	8.27	33.75	2.19	0.00	38.97	27.46	0.13	27.33	0.05
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	501	5.05	34.16	3.27	0.00	84.48	43.29	0.01	43.27	
W0304A	04/04/03	20:38	25	CR-05	41.90	-124.7	551	4.80	34.21	3.20	0.00	91.88	44.33	0.02	44.31	
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	2	11.28	32.36	0.62	0.11	0.71	2.12	0.12	2.00	0.58
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	10	11.29	32.36	0.58	0.10	0.69	2.11	0.11	2.00	0.55
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	20	11.28	32.36	0.59	0.09	0.68	2.11	0.12	1.99	0.53
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	26	11.27	32.36	0.58	0.09	0.91	2.00	0.12	1.88	0.53
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	31	11.24	32.36	0.60	0.15	0.89	2.10	0.11	1.98	0.51
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	40	11.18	32.36	0.62	0.24	0.88	2.30	0.13	2.17	0.46
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	50	10.72	32.37	0.78	0.73	2.90	4.28	0.23	4.05	0.30
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	70	9.77	32.60	1.17	0.01	9.15	11.38	0.22	11.17	0.15
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	101	8.52	33.13	1.57	0.00	19.49	19.53	0.04	19.48	0.05
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	150	8.25	33.83	2.15	0.00	34.05	28.87	0.03	28.85	0.02
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	500	5.32	34.15	3.26	0.00	86.47	43.34	0.02	43.33	
W0304A	04/05/03	0:48	27	CR-07	41.90	-125.	799	4.09	34.35	3.45	0.00	118.17	45.06	0.03	45.03	
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	3	11.42	32.37	0.50	0.16	0.93	1.29	0.09	1.20	0.67
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	10	11.42	32.37	0.52	0.16	0.91	1.44	0.09	1.35	0.67
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	20	11.43	32.37	0.51	0.15	1.15	1.38	0.12	1.27	0.66
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	26	11.43	32.37	0.55	0.17	1.13	1.43	0.11	1.32	0.63
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	31	11.43	32.37	0.56	0.15	1.12	1.53	0.10	1.43	0.67
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	40	11.32	32.38	0.58	0.24	1.61	1.84	0.12	1.72	0.61
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	50	10.89	32.44	0.75	0.54	3.89	4.86	0.25	4.58	0.27
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	70	10.02	32.74	1.20	0.05	9.75	11.86	0.08	11.78	0.16
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	100	8.62	33.27	1.63	0.01	20.99	17.60	0.04	17.57	0.05
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	151	8.30	33.84	2.16	0.07	33.64	27.73	0.03	27.71	0.02
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	390	5.89	34.09	3.01	0.05	78.00	40.37	0.02	40.35	
W0304A	04/05/03	4:25	29	CR-09	41.90	-125.4	980	3.72	34.40	3.38	0.00	122.48	44.55	0.01	44.53	
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	3	11.25	32.37	0.54	0.16	1.13	1.76	0.07	1.69	0.44
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	9	11.25	32.37	0.57	0.18	0.86	2.07	0.10	1.97	0.44
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	19	11.26	32.37	0.55	0.18	0.97	1.70	0.09	1.61	0.45
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	30	11.26	32.37	0.57	0.20	1.09	1.80	0.11	1.69	0.46
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	39	11.25	32.37	0.58	0.18	0.94	1.90	0.11	1.79	0.43
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	50	10.66	32.38	0.80	0.80	3.22	4.40	0.18	4.22	0.26
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	71	9.48	32.80	1.32	0.00	13.05	14.01	0.08	13.93	0.13
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	101	8.29	33.24	1.70	0.04	21.47	20.69	0.03	20.66	0.05
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	150	8.15	33.65	1.95	0.00	31.04	26.38	0.03	26.36	0.02
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	384	5.65	34.01	2.93	0.00	71.31		0.02		
W0304A	04/05/03	9:33	31	CR-11	41.90	-126.	1006	3.54	34.44	3.18	0.02	135.24	45.86	0.01	45.84	
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	3	10.48	33.23	0.99	3.24	20.25	8.57	0.33	8.24	20.44
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	6	10.47	33.25	1.00	4.43	20.13	8.68	0.34	8.34	20.76
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	11	10.06	33.50	1.28	4.24	23.75	12.78	0.31	12.48	24.30
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	17	8.37	33.58	2.59	2.24	47.50	30.54	0.29	30.24	7.08
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	21	7.65	33.76	2.92	0.05	56.59	35.97	0.28	35.69	0.59
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	25	7.51	33.80	2.93	0.00	56.47	36.53	0.23	36.29	0.52
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	29	7.40	33.81	2.78	0.91	56.61	36.86	0.17	36.69	0.35
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	40	7.49	33.90	2.97	0.27	59.83	37.08	0.27	36.81	0.31

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	50	7.19	33.93		0.79			0.28		7.37
NH0307A	07/03/03	2:50	3	NH-05	44.65	-124.18	55	7.14	33.93	2.95	0.20	60.52	36.64	0.27	36.37	0.46
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	2	12.50	31.73	0.10	0.00	0.00	0.00	0.01	0.00	2.77
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	7	12.48	31.73	0.08	0.00	0.00	0.00	0.02	0.00	2.93
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	12	11.73	31.86	0.21	0.01		0.01	0.02	0.00	2.77
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	18	9.19	32.28	0.94	1.71	6.28	6.35	0.21	6.12	1.92
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	19	9.14	32.29	0.98	1.92	8.02	7.02	0.24	6.78	2.54
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	31	8.42	32.49	1.37	0.50	12.71	13.95	0.19	13.76	0.43
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	39	8.06	32.65	1.60	0.00	17.12	18.55	0.04	18.50	0.27
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	51	7.78	32.80	1.84	0.00	23.00	21.16	0.04	21.12	0.16
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	60	7.52	32.99	2.10	0.00	28.88	24.43	0.04	24.39	0.12
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	71	7.33	33.36	2.35	0.00	36.23	29.04	0.05	28.99	0.10
NH0307A	07/03/03	7:49	5	NH-15	44.65	-124.41	82	7.30	33.69	2.57	0.35	43.05	31.15	0.12	31.03	0.08
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	3	14.22	30.95	0.00	0.00	0.38	0.00	0.00	0.00	0.99
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	10	14.26	30.98	0.00	0.01	1.17	0.01	0.00	0.01	0.91
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	20	11.24	32.06	0.60	0.23	3.05	0.91	0.05	0.86	0.46
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	31	9.79	32.24	0.89	0.32	5.07	4.80	0.20	4.60	0.51
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	40	9.26	32.30	1.08	0.00	6.01	8.68	0.22	8.46	0.35
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	50	8.87	32.40	1.26	0.00	9.23	10.90	0.06	10.83	0.17
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	72	7.62	33.06	1.99	0.00	24.04	18.66	0.04	18.63	0.05
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	102	7.69	33.54	2.33	0.00	35.40	29.54	0.03	29.50	0.03
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	149	7.36	33.93	2.62	0.00	47.81	35.14	0.03	35.11	0.02
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	199	6.82	33.98	2.70	0.01	57.96	35.64	0.10	35.54	
NH0307A	07/03/03	12:31	7	NH-25	44.65	-124.65	243	6.54	34.00	2.88	0.00	61.31	38.30	0.14	38.16	
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	3	15.01	30.65	0.00	0.02	0.00	0.04	0.00	0.04	0.61
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	9	14.98	30.66	0.00	0.02	0.00	0.04	0.00	0.04	0.63
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	19	12.67	31.94	0.27	0.74	0.18	0.05	0.00	0.04	0.59
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	29	11.42	32.22	0.48	0.06	0.37	0.05	0.00	0.05	0.62
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	40	10.28	32.26	0.70	0.40	2.36	2.26	0.13	2.12	0.78
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	50	10.03	32.27	0.75	1.67	4.34	5.06	0.23	4.83	0.60
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	69	9.70	32.52	1.30	0.00	10.53	12.97	0.12	12.85	0.28
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	101	7.74	33.13	1.93	0.03	30.66	22.92	0.02	22.90	0.04
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	149	7.27	33.82	2.63	0.02	49.61	34.17	0.01	34.16	0.02
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	237	6.49	34.01	2.75	0.01	57.78	36.16	0.03	36.13	
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	255	6.39	34.01	2.88	0.00	62.00	38.59	0.04	38.55	
NH0307A	07/03/03	14:30	8	NH-35	44.65	-124.88	429	5.60	34.09	3.16	0.02	81.47	41.71	0.04	41.67	
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	3	15.63	29.84	0.01	0.00	0.69	0.00	0.00	0.00	0.37
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	10	14.27	30.98	0.20	0.11	1.22	0.00	0.00	0.00	0.41
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	20	12.67	31.63	0.20	0.76	1.77	0.05	0.00	0.05	0.76
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	30	11.32	32.23	0.51	0.14	2.05	0.32	0.00	0.31	0.84
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	40	10.22	32.28	0.85	0.28	4.43	4.62	0.23	4.40	0.71
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	49	9.73	32.32	1.01	0.29	6.81	8.55	0.36	8.19	0.37
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	70	8.90	32.54	1.49	0.00	15.10	15.55	0.07	15.47	0.14
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	149	7.73	33.76	2.46	0.00	41.02	32.60	0.02	32.58	0.02
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	271	6.35	34.01	2.92	0.02	64.17	39.49	0.02	39.47	
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	500	5.26	34.12	3.34	0.00	88.25	44.44	0.02	44.43	
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	573	5.00	34.15	3.40	0.00	93.91	44.88	0.01	44.86	
NH0307A	07/03/03	17:55	9	NH-45	44.65	-125.12	690	4.40	34.28	3.48	0.00	112.07	46.01	0.01	46.00	
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	3	15.80	30.25	0.08	0.02	0.00	0.01	0.00	0.01	0.20
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	11	15.68	30.30	0.13	0.02	0.01	0.00	0.00	0.00	0.21
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	21	13.73	31.65	0.30	0.03	1.21	0.04	0.00	0.04	0.30

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	31	10.98	32.16	0.51	0.00	2.14	0.47	0.00	0.47	0.98
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	35	10.39	32.16	0.64	0.08	3.21	1.44	0.03	1.41	1.31
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	41	10.18	32.17	0.65		4.67	4.57	0.16	4.40	0.98
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	50	10.19	32.33		0.00			0.01		0.01
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	71	8.92	32.71	1.56	0.00	15.87	16.79	0.04	16.74	0.10
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	102	7.92	33.15	1.92	0.12	28.24	25.45	0.01	25.43	0.03
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	155	7.50	33.77	2.29	0.00	39.17	30.72	0.01	30.71	
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	769	4.22	34.31	3.55	0.00	121.10	46.65	0.01	46.64	
NH0307A	07/03/03	23:23	11	NH-65	44.65	-125.6	1009	3.64	34.42	3.53	0.00	133.47	46.92	0.01	46.91	
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	3	16.33	30.75	0.12	0.00	3.04	0.39	0.01	0.38	0.18
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	11	16.32	30.75	0.09	0.02	3.05	0.40	0.01	0.39	0.18
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	22	15.62	30.76	0.08	0.89	2.94	0.41	0.01	0.40	0.25
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	31	12.26	31.95	0.30	0.06	3.35	0.43	0.00	0.42	0.26
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	40	11.33	32.16	0.34	0.06	2.06	0.49	0.00	0.49	0.37
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	44	10.70	32.22	0.44	2.67	2.60	0.87	0.03	0.84	1.18
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	53	10.15	32.25	0.81	0.33	4.44	4.64	0.33	4.31	0.46
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	65	9.74	32.33	1.03	0.00	6.80	9.45	0.23	9.22	0.23
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	100	8.43	32.99	1.81	0.00	22.67	21.66	0.02	21.64	0.04
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	155	7.97	33.64	2.27	0.00	35.68	29.60	0.01	29.58	
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	755	4.17	34.30	3.55	0.00	119.38	46.45	0.01	46.45	
NH0307A	07/04/03	2:39	12	NH-85	44.65	-126.05	1006	3.52	34.40	3.54	0.00	134.47	46.41	0.01	46.41	
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	3	9.58	33.41	0.83	3.61	20.55	11.41	0.41	11.01	17.52
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	6	9.14	33.50	1.17	3.95	25.25	14.70	0.41	14.29	16.12
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	11	8.66	33.62	1.94	1.61	37.09	23.95	0.28	23.67	8.36
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	15	7.96	33.71	2.38	1.42	46.33	29.88	0.24	29.64	5.58
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	22	7.69	33.80	2.57	2.50	53.10	31.16	0.20	30.96	3.18
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	26	7.68	33.80	2.49	3.81	52.34	32.70	0.21	32.50	3.24
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	30	7.69	33.81	2.52	1.82	53.40	32.98	0.21	32.77	3.14
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	40	7.64	33.83	2.41	1.87	54.45	33.20	0.20	32.98	2.64
NH0307A	07/08/03	0:55	34	HH-01	44.00	-124.2	49	7.61	33.85	2.66	1.50	56.81	33.11	0.23	32.88	2.30
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	3	11.18	33.04	0.21	0.04	3.73	0.34	0.09	0.25	24.83
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	6	10.85	33.04	0.22	0.06	4.26	0.36	0.09	0.27	25.17
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	11	9.99	33.18	0.46	1.78	5.19	0.84	0.28	0.56	34.63
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	19	9.49	33.26	0.78	4.30	19.11	6.98	0.17	6.81	26.74
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	31	7.90	33.32	2.12	1.72	31.47	25.84	0.19	25.65	7.50
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	39	7.69	33.53	2.38	2.09	43.31	32.03	0.26	31.77	0.82
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	49	7.61	33.68	2.32	2.57	41.64	28.77	0.17	28.60	0.70
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	59	7.54	33.80	2.43	3.33	50.37	33.96	0.13	33.83	0.45
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	70	7.50	33.84	2.39	3.45	53.76	34.98	0.17	34.79	0.46
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	100	6.98	33.98	2.73	0.45	62.10	35.52	0.25	35.27	0.53
NH0307A	07/08/03	2:18	35	HH-02	44.00	-124.4	115	6.95	33.98	2.77	0.29	64.58	35.27	0.32	34.94	0.72
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	10	10.13	33.11	0.59	4.46	4.08	2.55	0.15	2.40	43.01
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	21	8.69	33.34	2.03	3.11	16.84	23.84	0.22	23.62	16.78
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	31	7.79	33.55	2.40	3.95	40.51	30.82	0.23	30.59	3.86
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	40	7.42	33.74	2.64	0.05	48.58	33.95	0.07	33.89	0.63
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	53	7.37	33.79	2.69	1.29	52.62	35.66	0.05	35.61	0.42
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	61	7.29	33.83	2.71	1.24	55.37	36.14	0.04	36.10	0.41
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	70	7.15	33.86	2.43	2.44	53.57	34.99	0.04	34.96	0.32
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	101	7.22	33.97	2.43	0.70	47.61	34.06	0.08	33.97	0.25
NH0307A	07/08/03	4:28	36	HH-03	44.00	-124.6	148	6.97	33.98	2.43		58.80	34.07	0.27	33.80	0.48
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	2	11.63	32.60	0.05	0.01	0.00	0.04	0.02	0.02	6.26

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	6	11.59	32.61	0.07	0.00	0.00	0.04	0.02	0.01	7.39
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	10	11.29	32.68	0.18	0.02	1.22	0.24	0.07	0.17	9.77
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	15	8.82	32.42	1.21	0.22	9.59	11.72	0.41	11.31	18.69
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	20	8.61	32.46	1.26	1.61	12.44	14.17	0.22	13.95	11.61
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	31	8.12	32.61	1.63	0.02	19.78	18.73	0.16	18.58	3.83
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	41	7.61	32.93	1.99	0.17	26.74	23.39	0.10	23.29	0.43
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	52	8.33	33.24	2.22	1.98	30.87	25.49	0.18	25.31	1.05
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	61	8.04	33.51	2.53	1.53	40.39	29.59	0.15	29.44	0.82
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	70	7.93	33.61	2.64	1.13	43.37	31.58	0.15	31.43	0.79
NH0307A	07/08/03	7:04	37	HH-04	44.00	-124.8	99	7.14	33.85	2.71	0.00	53.15	34.71	0.19	34.52	0.48
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	3	11.83	32.35	0.04	0.05	4.36	0.05	0.04	0.01	6.49
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	10	11.78	32.38	0.14	0.03	4.41	0.09	0.02	0.07	7.24
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	21	10.39	32.62	0.61	2.62	2.64	4.09	0.10	3.99	17.99
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	31	9.37	32.88	1.45	3.15	11.13	13.93	0.17	13.75	11.55
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	41	8.29	33.11	1.87	1.48	29.12	20.13	0.14	19.98	4.10
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	52	7.83	33.34	2.38	0.53	36.84	28.89	0.14	28.75	1.32
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	71	7.49	33.63	2.53	0.03	43.54	32.37	0.09	32.28	0.80
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	102	7.33	33.91	2.56	0.00	48.44	33.70	0.07	33.63	0.36
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	153	7.11	33.98	2.53	0.00	49.12	33.49	0.05	33.44	0.12
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	398	5.68	34.09	3.11	0.00	74.54	40.15	0.02	40.13	
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	502	5.19	34.15	3.25	0.00	85.85	41.43	0.03	41.40	
NH0307A	07/07/03	6:02	33	HH-05	44.00	-125.	815	4.11	34.34	3.50	0.00	120.76	45.58	0.03	45.55	
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	3	13.14	31.93	0.05	0.19	0.00	0.05	0.01	0.04	0.84
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	10	13.12	31.92	0.13	0.27	0.44	0.15	0.01	0.14	0.88
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	22	9.97	32.27	0.97	1.48	2.65	6.50	0.19	6.31	1.87
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	31	9.58	32.31	1.18	1.27	6.27	9.73	0.23	9.50	1.17
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	40	8.94	32.37	1.20	0.14	9.38	11.52	0.08	11.44	0.58
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	49	8.83	32.49	1.32	0.38	12.36	13.72	0.06	13.66	0.33
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	72	8.08	32.96	2.03	0.35	27.26	23.46	0.20	23.26	0.48
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	103	8.07	33.51	2.16	0.00	32.04	27.24	0.02	27.23	0.05
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	152	7.50	33.90	2.51	0.09	47.46	33.39	0.02	33.37	0.06
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	343	5.72	34.03	3.09	0.00	73.78	41.23	0.01	41.23	
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	782	4.22	34.32	3.54	0.00	117.53	45.59	0.02	45.57	
NH0307A	07/07/03	3:44	32	HH-07	44.00	-125.2	1003	3.62	34.41	3.51	0.00	131.92	45.99	0.01	45.98	
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	2	8.88	33.70	1.87	0.62	33.82	22.35	0.30	22.05	13.82
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	5	8.89	33.70	1.88	0.55	33.88	22.55	0.31	22.24	14.62
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	10	8.54	33.71	2.04	0.64	35.87	23.84	0.26	23.58	13.16
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	14	8.30	33.72	2.33	0.53	38.63	26.84	0.25	26.58	10.89
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	20	8.06	33.73	2.37	0.83	42.68	30.41	0.23	30.17	6.79
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	26	7.70	33.81	2.72	0.27	50.46	34.08	0.26	33.83	0.92
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	30	7.59	33.85	2.71	0.58	51.55	33.66	0.28	33.39	0.78
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	40	7.39	33.91	2.85	0.46	56.24	35.37	0.32	35.04	0.46
NH0307A	07/06/03	19:45	30	FM-03	43.22	-124.5	48	7.36	33.91	2.84	0.49	56.04	35.05	0.34	34.71	0.46
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	4	9.59	33.43	1.30	3.47	13.92	11.93	0.18	11.75	4.25
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	6	9.48	33.43	1.27	3.37	14.24	11.82	0.18	11.65	4.09
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	12	9.35	33.44	1.50	3.15	15.98	13.48	0.16	13.32	3.99
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	20	8.12	33.58	2.43	1.93	40.48	27.88	0.18	27.70	2.64
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	31	7.68	33.79	2.46	0.87	45.04	31.19	0.19	31.00	0.71
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	40	7.46	33.88	2.62	0.58	49.59	32.63	0.28	32.36	0.49
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	50	7.39	33.90	2.84	0.59	52.11	33.30	0.32	32.98	0.57
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	59	7.25	33.95	2.89	0.79	58.48	36.30	0.34	35.96	0.43
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	71	7.25	33.96	2.85	0.45	57.12	36.04	0.29	35.75	0.38

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
NH0307A	07/06/03	17:55	29	FM-04	43.22	-124.58	81	7.22	33.97	2.78	0.51	59.11	34.74	0.26	34.48	0.35
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	3	9.96	32.80	0.79	2.22	5.46	7.64	0.16	7.46	10.45
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	6	9.96	32.80	1.12	0.16	5.41	7.63	0.16	7.47	10.03
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	10	9.95	32.80	0.93	0.60	5.47	7.52	0.15	7.37	10.70
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	23	9.24	32.87	1.19	2.82	9.02	12.18	0.17	12.01	9.48
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	31	9.45	33.10	1.34	2.01	7.52	11.50	0.18	11.32	17.90
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	42	9.29	33.34	1.95	1.52	23.15	19.53	0.15	19.38	11.91
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	50	7.88	33.51	2.34	0.66	35.82	24.18	0.13	24.05	2.71
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	68	7.75	33.75	2.45	0.59	44.74	29.36	0.18	29.18	0.67
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	100	7.33	33.95	2.62	0.00	49.45	34.75	0.18	34.56	0.15
NH0307A	07/06/03	16:07	28	FM-05	43.22	-124.67	155	7.16	34.00	2.67	0.31	53.11	33.08	0.16	32.93	0.28
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	4	11.80	32.21	0.56	0.79	2.48	2.28	0.08	2.20	1.37
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	10	11.81	32.21	0.57	2.06	1.80	2.35	0.08	2.27	1.37
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	20	10.57	32.23	0.67	2.50	3.98	4.58	0.18	4.41	1.42
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	25	9.42	32.31	1.09	0.27	7.60	8.76	0.30	8.46	1.28
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	32	9.10	32.41	1.35	0.28	12.39	12.95	0.24	12.70	1.55
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	41	8.82	32.59	1.46	0.32	15.87	15.39	0.19	15.21	1.04
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	53	8.39	32.87	1.89	0.51	23.66	21.25	0.14	21.12	0.40
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	70	7.90	33.32	2.23	0.51	34.70	26.14	0.11	26.03	0.93
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	100	7.76	33.70	2.29	0.00	36.75	29.89	0.04	29.84	0.17
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	151	7.39	33.96	2.55	0.00	47.40	33.96	0.09	33.87	0.08
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	217	7.01	34.02	2.74	0.05	54.80	38.47	0.06	38.40	
NH0307A	07/06/03	11:59	26	FM-07	43.22	-124.83	303	6.48	34.05	2.81	0.02	58.80	36.53	0.05	36.48	
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	2	11.93	32.19	0.49	1.35	0.85	1.27	0.05	1.22	2.08
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	10	11.90	32.18	0.54	0.99	1.47	1.93	0.07	1.86	2.53
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	16	11.33	32.18	0.60	2.32	2.23	3.03	0.11	2.92	3.78
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	21	10.24	32.21	0.89	3.50	4.28	4.50	0.19	4.31	4.15
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	30	9.89	32.31	0.98	0.49	6.21	6.79	0.31	6.48	0.89
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	40	9.68	32.40	1.16	0.00	8.90	10.76	0.13	10.64	0.35
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	50	8.61	32.72	1.62	0.00	18.50	18.14	0.04	18.10	0.16
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	70	8.17	33.15	1.92	0.00	24.07	22.43	0.03	22.40	0.08
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	103	7.85	33.60	2.08	0.09	33.82	25.31	0.06	25.25	0.07
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	155	7.43	33.95	2.60	0.00	50.97	35.12	0.12	35.00	0.12
NH0307A	07/06/03	9:28	25	FM-08	43.22	-125.	1005	3.77	34.41	3.61	0.00	128.80	47.21	0.02	47.19	
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	3	12.95	32.09	0.30	0.99	1.03	0.27	0.05	0.22	0.59
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	9	12.92	32.09	0.30	0.57	0.48	0.28	0.00	0.28	0.65
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	15	11.73	32.13	0.29	0.51	0.45	0.40	0.00	0.40	1.44
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	19	10.84	32.21	0.63	0.75	2.25	1.88	0.06	1.81	5.35
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	30	9.98	32.32	0.90	0.17	4.82	6.49	0.34	6.15	0.86
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	40	9.46	32.36	1.02	0.11	7.01	10.84	0.07	10.75	0.63
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	52	9.11	32.46	1.30	0.00	10.11	13.17	0.04	13.13	0.41
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	71	8.67	32.77	1.63	0.00	17.63	18.66	0.04	18.62	0.14
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	95	7.92	33.33	2.05	0.00	28.28	26.30	0.05	26.25	0.08
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	155	7.77	33.90	2.50	0.00	44.13	33.79			0.10
NH0307A	07/06/03	6:36	24	FM-09	43.22	-125.17	1006	3.80	34.41	3.57	0.00	125.21	47.01	0.01	47.00	
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	2	11.11	33.71	0.14	1.79	2.22	0.42	0.09	0.33	19.82
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	6	10.59	33.69	0.31	4.45	2.79	1.31	0.04	1.27	24.81
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	10	10.52	33.70	0.43	3.36	3.19	2.40	0.04	2.35	24.68
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	15	10.18	33.74	1.35	4.96	12.23	10.89	0.14	10.74	25.66
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	20	8.58	33.79	2.43	5.20	35.06	26.88	0.33	26.55	12.36
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	25	8.34	33.85	2.56	3.24	37.27	28.08	0.37	27.71	8.08

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	31	8.27	33.87	2.60	3.28	39.35	28.40	0.38	28.01	7.24
NH0307A	07/04/03	20:50	13	CR-01	41.90	-124.3	35	8.27	33.87	2.63	3.37	40.40	27.99	0.40	27.59	9.01
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	4	10.47	33.69	0.21	1.43	5.37	2.97	0.09	2.88	20.28
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	6	10.36	33.69	0.37	1.38	6.03	3.65	0.13	3.52	22.08
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	11	10.43	33.69	0.36	1.58	6.05	3.46	0.13	3.33	19.98
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	19	8.38	33.64	1.89	3.38	25.14	21.25	0.20	21.05	2.83
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	30	8.27	33.76	2.09	1.80	32.54	25.38	0.28	25.10	0.65
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	41	8.36	33.83	2.14	2.47	35.52	26.11	0.27	25.82	1.30
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	50	7.91	33.89	2.60	1.60	44.14	31.87	0.38	31.49	3.07
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	59	7.87	33.93	2.60	0.69	46.86	32.50	0.38	32.12	0.66
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	70	7.80	33.95	2.64	0.62	49.59	33.74	0.36	33.39	0.32
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	91	7.71	33.96	2.56	0.28	48.49	33.14	0.31	32.83	0.25
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	100	7.69	33.97	2.63	0.18	48.47	34.28	0.31	33.97	0.23
NH0307A	07/04/03	23:54	15	CR-03	41.90	-124.5	133	7.48	34.00	2.53	0.19	48.49	33.31	0.21	33.10	0.36
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	3	9.73	33.59	1.09	1.40	11.51	13.44	0.20	13.24	8.75
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	10	9.73	33.59	1.10	1.57	11.14	14.22	0.18	14.04	9.44
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	20	9.41	33.60	1.60	3.05	16.44	18.29	0.23	18.06	5.33
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	29	8.54	33.59	2.01	3.07	26.38	22.31	0.20	22.11	0.97
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	40	8.20	33.67	2.14	0.80	32.33	26.12	0.27	25.85	0.39
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	50	8.00	33.82		0.35	36.73	30.04	0.07	29.97	0.16
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	69	7.88	33.90	2.31	0.04	40.22	31.64	0.07	31.58	0.25
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	102	7.63	33.98	2.47	0.00	45.14	33.66	0.13	33.53	0.17
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	151	7.44	34.00	2.62	0.00	50.31	35.88	0.11	35.77	0.16
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	434	5.97	34.10	3.09	0.00	68.50	40.93	0.04	40.89	
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	437	5.97	34.10	3.11	0.00	73.80	41.35	0.05	41.30	
NH0307A	07/05/03	2:10	16	CR-04	41.90	-124.6	497	5.77	34.12		0.00			0.07		
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	3	9.89	33.45	1.09	3.88	11.57	14.00	0.16	13.84	2.16
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	20	9.87	33.47	1.74	3.89	12.49	14.12	0.18	13.94	
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	31	9.76	33.49	1.27	5.33	13.16	14.54	0.19	14.35	2.51
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	38	9.41	33.53	1.66	5.34	15.75	15.78	0.19	15.59	2.16
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	50	8.92	33.61	1.79	4.27	23.37	19.13	0.20	18.93	1.29
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	71	8.45	33.63	2.15	2.12	31.25	25.47	0.25	25.21	0.59
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	100	8.07	33.77	2.24	0.04	35.91	30.00	0.19	29.81	0.69
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	151	7.61	33.98	2.57	0.00	47.78	34.89	0.10	34.79	0.21
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	280	6.40	34.07	2.98	0.00	65.45	39.84	0.07	39.76	
NH0307A	07/05/03	5:12	17	CR-05	41.90	-124.7	500	5.48	34.16	3.15	0.00	84.80	40.57	0.04	40.53	
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	3	10.41	33.38	1.24	1.18	4.24	12.08	0.14	11.93	3.09
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	10	10.41	33.38	1.21	1.45	4.12	12.07	0.14	11.93	3.10
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	20	10.33	33.38	1.21	1.35	4.63	12.07	0.14	11.93	2.97
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	26	9.90	33.37	1.52	1.67	8.35	13.63	0.13	13.49	2.91
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	30	9.07	33.34	1.74	2.56	17.69	17.73	0.12	17.61	1.35
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	39	8.74	33.55	1.99	4.15	23.71	20.48	0.17	20.29	0.20
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	51	8.64	33.56	2.06	2.64	25.89	21.52	0.20	21.32	0.21
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	68	8.71	33.66	2.01	3.23	25.77	22.14	0.19	21.95	0.51
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	101	8.34	33.69	2.22	2.32	32.30	26.14	0.22	25.92	0.38
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	151	7.64	33.96	2.51	0.06	44.84	34.03	0.08	33.95	0.13
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	508	5.07	34.19	3.28	0.01	88.47	42.25	0.02	42.22	
NH0307A	07/05/03	10:55	19	CR-07	41.90	-125.	817	4.14	34.36	3.54	0.00	118.53	45.83	0.04	45.79	
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	2	11.87	32.24	0.45	0.30	4.55	0.84	0.04	0.80	1.31
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	10	11.82	32.24	0.44	0.65	0.00	0.89	0.05	0.84	1.45
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	19	11.22	32.29	0.64	0.71	1.62	2.45	0.11	2.34	2.32

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	29	10.72	32.30	0.79	0.62	2.27	3.69	0.14	3.55	3.02
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	35	10.38	32.30	1.00	1.33	4.19	6.18	0.23	5.95	3.60
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	41	9.97	32.41	1.21	0.30	6.76	10.39	0.29	10.09	1.19
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	51	8.70	32.71	1.59	0.23	13.16	16.47	0.12	16.34	0.84
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	71	9.68	33.24	1.56	0.92	9.07	15.84	0.19	15.65	5.45
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	102	9.38	33.50	1.67	2.17	14.83	18.28	0.20	18.08	7.14
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	122	8.72	33.53	2.13	2.34	26.61	23.11	0.18	22.93	3.18
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	149	7.96	33.74	2.37	0.55	37.10	30.23	0.31	29.92	0.14
NH0307A	07/05/03	15:55	21	CR-09	41.90	-125.4	1005	3.63	34.43	3.64	0.00	129.34	46.86	0.00	46.86	
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	3	15.81	31.91	0.27	0.02	7.55	0.21	0.00	0.21	0.16
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	11	15.79	31.91	0.28	0.00	7.43	0.21	0.00	0.21	0.16
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	20	15.66	31.92	0.26	0.00	7.06	0.20	0.00	0.20	0.17
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	29	15.59	31.93	0.28	0.00	1.43	0.20	0.00	0.20	0.17
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	39	15.54	31.95	0.28	0.19	0.00	0.20	0.00	0.19	0.19
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	51	15.55	32.17	0.36	0.00	0.00	0.40	0.00	0.40	0.22
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	66	12.62	32.31	0.61	0.45	0.17	0.87	0.02	0.84	0.73
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	70	12.00	32.30	0.69	0.53	1.20	1.80	0.06	1.73	0.93
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	104	9.11	32.70	1.38	0.02	9.65	10.37	0.01	10.37	0.15
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	158	7.98	33.65	2.11	0.00	29.99	27.06	0.01	27.05	
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	488	5.32	34.10	3.22	0.00	80.01	41.97	0.01	41.96	
NH0307A	07/05/03	21:10	23	CR-11	41.90	-126.	998	3.64	34.43	3.56	0.00	128.88	46.55	0.02	46.53	
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	2	8.71	33.38	2.47	0.65	37.49	29.55	0.27	29.26	0.39
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	5	8.67	33.38	2.57	0.66	37.35	29.50	0.28	29.21	0.40
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	10	8.45	33.37	2.54	0.79	36.93	29.44	0.27	29.17	0.63
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	16	8.23	33.37	2.53	0.58	35.84	29.28	0.26	29.02	0.91
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	20	8.21	33.45	2.65	0.78	39.61	30.61	0.31	30.31	0.41
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	25	8.10	33.47	2.71	0.72	40.95	31.31	0.32	30.99	0.41
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	30	7.97	33.57	2.80	0.68	44.18	33.18	0.33	32.85	0.22
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	40	7.72	33.70	2.97	0.00	50.37	35.15	0.22	34.94	0.11
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	50	7.74	33.79	3.00	0.20	57.24	32.53	0.33	32.20	0.22
W0309B	09/26/03	19:23	3	NH-05	44.65	-124.18	53	7.74	33.79	3.17	0.13	59.39	35.15	0.37	34.78	0.23
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	2	10.19	32.50	1.57	0.05	15.74	15.78	0.28	15.50	0.85
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	6	9.85	32.53	1.42	0.59	15.86	14.06	0.24	13.82	0.99
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	10	9.57	32.57	1.63	0.02	16.66	16.52	0.26	16.26	0.90
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	21	8.25	32.71	1.70	0.00	15.04	17.38	0.16	17.22	0.25
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	30	8.06	32.87	1.81	0.00	19.21	21.54	0.07	21.46	0.08
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	41	7.92	33.06	2.00	0.00	22.70	23.52	0.07	23.46	0.05
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	51	7.81	33.25	2.06	0.00	26.61	26.46	0.11	26.34	0.04
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	60	7.94	33.41	2.53	0.42	31.45	30.15	0.47	29.68	0.05
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	70	7.75	33.51	2.63	0.00	36.43	32.40	0.20	32.20	0.05
W0309B	09/26/03	21:55	5	NH-15	44.65	-124.41	86	7.83	33.70	2.93	0.34	48.83	34.75	0.26	34.49	0.07
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	1	11.49	31.94	1.01	0.05	13.68	7.38	0.22	7.16	1.76
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	10	10.55	32.08	1.15	0.00	16.69	9.17	0.26	8.91	1.77
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	20	9.94	32.20	1.42	0.03	17.89	13.17	0.25	12.92	2.36
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	30	9.12	32.06	1.45	0.00	14.67	13.58	0.20	13.38	0.83
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	41	8.22	32.77	1.68	0.02	19.18	17.79	0.08	17.71	0.10
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	50	8.14	32.84	1.73	0.00	20.10	18.89	0.05	18.84	0.06
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	70	7.90	33.43	2.19	0.00	26.82	26.47	0.06	26.42	0.04
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	100	7.99	33.71	2.40	0.00	36.58	30.31	0.04	30.27	0.02
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	150	7.79	33.92	2.55	0.00	46.73	34.31	0.04	34.26	0.02
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	175	7.73	33.97	2.69	0.00	47.94	34.67	0.03	34.64	
W0309B	09/27/03	0:04	7	NH-25	44.65	-124.65	202	7.36	34.00	2.73	0.00	51.35	35.19	0.05	35.14	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	2	13.47	32.14	0.63	0.17	8.92	1.98	0.12	1.86	1.27
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	10	13.46	32.14	0.62	0.33	8.05	1.87	0.13	1.73	0.91
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	20	11.15	32.31	0.89	1.25	3.04	2.91	0.31	2.60	0.39
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	30	10.34	32.35	1.04	0.40	4.51	5.65	0.39	5.26	0.31
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	40	9.15	32.48	1.40	0.01	9.58	12.81	0.12	12.69	0.23
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	50	8.69	32.57	1.56	0.14	17.26	15.54	0.10	15.45	0.14
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	70	7.96	33.09	1.82	0.00	20.94	20.07	0.02	20.04	0.03
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	99	8.01	33.60	2.33	0.00	34.42	28.86	0.03	28.83	0.02
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	150	7.96	33.84	2.69	0.00	46.52	34.39	0.02	34.36	0.02
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	380	6.11	34.06	3.14	0.00	69.93	39.70	0.04	39.66	
W0309B	09/27/03	6:46	9	NH-35	44.65	-124.88	428	5.85	34.08	3.13	0.00	73.20	40.38	0.04	40.34	
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	2	15.23	32.03	0.47	0.26	3.64	0.00	0.01	0.00	0.30
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	10	15.23	32.03	0.46	0.29	3.68	0.00	0.01	0.00	0.31
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	20	15.13	32.05	0.58	0.49	2.80	0.24	0.04	0.20	0.33
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	30	10.17	32.35	1.09	0.93	4.17	6.18	0.41	5.77	0.28
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	40	9.71	32.39	1.25	0.30	5.93	9.28	0.34	8.94	0.22
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	50	9.26	32.45	1.40	0.00	8.48	12.22	0.06	12.15	0.19
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	70	8.35	32.76	1.79	0.04	17.24	18.96	0.02	18.94	0.06
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	98	7.97	33.49	2.14	0.00	28.76	25.87	0.02	25.85	0.01
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	150	7.92	33.83	2.53	0.00	39.77	31.54	0.01	31.53	0.02
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	499	5.27	34.12	3.42	0.00	83.53	43.80	0.01	43.79	
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	665	4.65	34.23	3.61	0.00	102.86	46.37	0.00	46.37	
W0309B	09/27/03	10:21	10	NH-45	44.65	-125.12	680	4.64	34.23	3.58	0.00	101.71	45.02	0.00	45.02	
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	3	15.12	31.90	0.29	1.20	7.40	0.00	0.02	0.00	0.95
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	5	15.12	31.90	0.36	1.57	7.70	0.00	0.01	0.00	0.90
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	10	15.20	31.95	0.36	0.51	6.97	0.00	0.01	0.00	0.83
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	21	15.28	32.01	0.41	0.33	6.34	0.00	0.00	0.00	0.63
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	30	14.42	32.02	0.54	0.67	5.46	0.46	0.05	0.41	0.51
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	41	10.88	32.32	0.96	0.56	2.86	4.31	0.36	3.94	0.33
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	50	9.49	32.35	1.16	0.39	4.75	7.95	0.61	7.34	0.20
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	70	8.40	32.59	1.55	0.04	13.50	17.32	0.03	17.28	0.09
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	100	7.27	33.08	1.96	0.00	23.59	23.09	0.01	23.08	0.03
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	151	7.48	33.72	2.27	0.00	35.26	29.19	0.01	29.18	0.01
W0309B	09/27/03	15:35	12	NH-65	44.65	-125.6	1004	3.72	34.40	3.60	0.00	125.24	45.74	0.01	45.73	
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	2	17.75	31.94	0.26	0.01	0.00	0.00	0.00	0.00	0.25
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	10	17.72	31.94	0.28	0.04	0.00	0.00	0.00	0.00	0.26
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	21	17.60	31.96	0.24	0.44	0.10	0.03	0.00	0.03	0.30
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	30	17.32	31.99	0.30	0.38	0.08	0.00	0.00	0.00	0.31
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	40	16.84	31.99	0.36	0.62	0.46	0.00	0.00	0.00	0.36
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	49	15.26	32.18	0.52	0.40	0.77	0.37	0.00	0.37	0.35
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	71	9.49	32.38	1.06	0.35	4.90	6.63	0.49	6.14	0.19
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	100	8.05	32.53	1.23	0.00	8.50	11.07	0.00	11.08	0.07
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	142	7.87	33.33	2.14	0.00	28.36	26.33	0.00	26.34	0.02
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	620	4.76	34.20	3.51	0.00	96.16	45.45	0.00	45.45	
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	805	4.12	34.31	3.54	0.00	113.77	45.66	0.00	45.66	
W0309B	09/27/03	18:38	13	NH-85	44.65	-126.05	1004	3.66	34.42	3.51	0.00	127.15	47.69	0.00	47.69	
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	1	9.02	33.38	1.31	1.40	11.80	13.18	0.23	12.95	9.72
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	5	9.01	33.41	1.93	1.72	22.53	21.38	0.23	21.16	10.84
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	10	8.98	33.43	2.07	1.21	25.93	23.35	0.23	23.12	10.59
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	15	8.83	33.47	2.29	0.83	29.73	25.73	0.23	25.50	6.40
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	20	8.81	33.51	2.41	0.66	33.01	26.96	0.24	26.73	5.57

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	26	8.82	33.53	2.43	0.68	35.08	27.47	0.24	27.23	5.35
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	30	8.76	33.58	2.56	0.83	38.88	29.02	0.25	28.77	5.10
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	40	8.66	33.61	2.68	0.98	42.29	30.36	0.25	30.11	3.38
W0309B	09/30/03	9:31	33	HH-01	44.00	-124.2	49	8.38	33.62	2.73	1.04	42.76	30.45	0.22	30.23	3.70
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	2	9.56	33.19	1.51	1.58	13.78	15.60	0.21	15.39	7.52
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	5	9.03	33.28	1.84	1.85	18.23	19.95	0.20	19.75	6.59
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	10	8.54	33.33	2.23	1.48	23.63	24.52	0.22	24.30	5.68
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	20	8.11	33.40	2.53	1.73	32.09	29.08	0.20	28.88	1.52
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	30	8.12	33.50	2.80	1.79	38.03	31.15	0.19	30.96	1.27
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	40	7.99	33.61	2.93	1.53	44.76	33.11	0.15	32.96	0.63
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	50	7.96	33.70	2.88	0.25	47.23	34.61	0.14	34.47	0.17
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	61	7.97	33.75	3.04	0.66	53.69	35.17	0.14	35.02	0.18
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	70	7.98	33.80	3.04	0.26	54.84	35.93	0.14	35.80	0.15
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	100	7.94	33.89	2.88	0.00	51.18	35.56	0.10	35.45	0.12
W0309B	09/30/03	10:50	34	HH-02	44.00	-124.4	115	7.89	33.91	2.91	0.01	53.66	33.62	0.29	33.34	0.19
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	1	11.35	32.40	1.15	0.70	17.26	9.58	0.20	9.38	2.07
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	10	9.60	32.65	1.69	0.77	15.47	16.22	0.38	15.84	2.47
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	19	8.99	32.85	1.78	0.98	15.28	18.91	0.39	18.53	0.94
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	30	8.65	33.01	2.00	2.46	17.74	22.02	0.23	21.76	1.18
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	40	8.77	33.35	2.43	2.96	25.02	24.51	0.25	24.26	1.43
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	50	8.53	33.36	2.52	2.19	28.29	26.62	0.24	26.38	1.43
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	60	8.36	33.40	2.51	1.94	30.50	27.50	0.20	27.29	1.87
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	69	8.02	33.47	2.32	0.84	32.43	29.05	0.13	28.90	1.22
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	101	7.91	33.73	2.46	0.47	51.15	33.66	0.13	33.53	0.46
W0309B	09/30/03	12:49	35	HH-03	44.00	-124.6	145	7.89	33.90	2.99	0.12	59.61	35.47	0.38	35.09	0.72
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	2	11.35	32.41	0.98	0.76	11.29	7.70	0.17	7.53	2.17
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	5	11.42	32.43	0.80	1.09	7.68	5.80	0.17	5.63	2.69
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	11	10.68	32.66	0.85	2.00	4.48	5.42	0.17	5.25	2.94
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	20	10.81	32.87	0.82	2.33	0.00	3.36	0.11	3.25	5.12
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	30	9.86	32.92	1.47	2.89	3.14	11.96	0.23	11.72	5.42
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	40	9.45	33.14	1.83	2.29	7.14	16.83	0.26	16.57	4.77
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	50	9.41	33.18	1.84	2.41	8.47	17.50	0.26	17.24	4.14
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	60	9.23	33.19	1.94	2.23	10.87	19.11	0.25	18.86	4.06
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	70	8.39	33.21	2.22	1.65	18.35	24.51	0.22	24.29	3.55
W0309B	09/30/03	14:51	36	HH-04	44.00	-124.8	94	7.97	33.77	2.89	0.12	48.24	35.05	0.13	34.91	0.32
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	1	14.47	32.22	0.47	0.19	2.50	0.46	0.05	0.41	0.83
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	10	13.09	32.30	0.66	0.61	5.57	2.39	0.11	2.28	0.93
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	20	10.56	32.48	1.19	0.97	11.84	9.88	0.25	9.63	0.48
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	31	9.34	32.56	1.49	0.46	11.31	14.18	0.29	13.88	0.17
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	40	8.70	32.71	1.73	0.36	15.98	18.36	0.22	18.14	0.13
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	50	8.15	33.13	2.11	0.32	25.05	24.65	0.13	24.52	0.11
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	70	8.03	33.45	2.33	0.87	33.86	29.63	0.20	29.41	0.09
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	100	8.05	33.75	2.57	0.90	37.59	32.45	0.18	32.27	0.10
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	151	7.92	33.88	2.67	0.17	45.60	35.48	0.23	35.23	0.10
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	200	7.88	33.94	2.84	0.08	52.27	36.10	0.33	35.76	
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	500	5.40	34.11	3.32	0.00	79.76	38.60	0.02	38.58	
W0309B	09/30/03	18:29	37	HH-05	44.00	-125.	800	4.20	34.32	3.58	0.00	111.39	44.68	0.01	44.67	
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	1	15.31	32.11	0.36	0.27	2.93	0.30	0.01	0.29	0.68
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	10	15.00	32.11	0.49	0.25	4.40	0.60	0.05	0.56	0.68
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	20	12.23	32.31	0.80	0.99	7.73	4.58	0.19	4.39	0.65
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	30	10.17	32.39	1.34	0.03	7.73	11.81	0.27	11.55	0.30

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	40	8.92	32.48	1.54	0.00	12.80	16.05	0.04	16.01	0.19
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	51	8.60	32.66	1.72	0.02	16.27	18.30	0.01	18.29	0.11
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	70	8.13	32.87	1.95	0.03	21.60	22.28	0.02	22.26	0.05
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	100	7.45	33.39	2.16	0.00	29.88	26.88	0.01	26.87	0.01
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	150	7.69	33.83	2.47	0.00	39.48	34.17	0.01	34.15	0.01
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	250	6.67	34.00	2.85	0.00	56.70	37.73	0.01	37.71	
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	570	4.94	34.21	3.48	0.00	95.67	44.22	0.01	44.21	
W0309B	09/30/03	23:17	38	HH-07	44.00	-125.2	1006	3.57	34.43	3.55	0.01	131.57	45.58	0.01	45.57	
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	1	16.21	31.72	0.35	0.13	12.98	0.06	0.00	0.06	0.42
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	10	15.94	31.87	0.43	0.08	4.49	0.00	0.00	0.00	0.40
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	20	15.05	32.10	0.54	0.50	4.36	0.51	0.04	0.47	0.57
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	25	14.31	32.15	0.61	0.48	5.18	0.91	0.07	0.84	0.63
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	30	13.83	32.18	0.67	0.36	6.26	1.72	0.10	1.62	0.86
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	39	12.10	32.28	0.79	1.27	6.53	2.12	0.22	1.90	0.46
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	50	9.94	32.37	1.21	0.06	7.08	9.20	0.28	8.91	0.26
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	70	8.32	32.77	1.94	0.01	20.16	21.61	0.05	21.56	0.07
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	100	7.61	33.36	2.36	0.03	32.71	29.00	0.02	28.98	0.02
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	149	7.59	33.89	2.60	0.00	43.91	33.82	0.02	33.80	0.01
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	456	5.26	34.11	3.39	0.00	83.82	43.51	0.00	43.51	
W0309B	10/01/03	1:31	39	HH-09	44.00	-125.4	505	5.06	34.13	3.47	0.00	88.82	44.63	0.00	44.63	
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	1	9.38	33.61	2.00	0.17	28.08	23.17	0.27	22.91	8.83
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	5	9.36	33.61	1.94	1.52	28.15	23.32	0.27	23.05	8.15
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	11	9.31	33.69	2.07	0.51	28.22	23.47	0.27	23.20	8.67
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	15	9.28	33.72	2.02	0.82	27.34	23.72	0.25	23.47	6.92
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	20	9.14	33.73	2.13	0.40	29.45	25.34	0.26	25.08	6.21
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	24	9.05	33.73	2.21	0.33	30.88	25.79	0.27	25.53	4.66
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	30	9.02	33.73	2.25	0.50	32.32	26.24	0.27	25.97	4.15
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	40	9.02	33.74	2.19	0.62	31.03	24.86	0.26	24.61	4.34
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	50	9.01	33.76	2.32	0.59	33.01	26.33	0.27	26.06	4.27
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	55	9.01	33.76	2.31	0.59	32.94	26.53	0.28	26.25	4.18
W0309B	09/29/03	19:32	26	FM-03	43.22	-124.5	61	9.01	33.76	2.29	0.60	32.33	26.17	0.29	25.88	4.57
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	1	9.32	33.55	2.14	0.92	30.02	24.77	0.29	24.47	4.76
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	5	9.21	33.57	2.17	0.76	30.37	25.32	0.29	25.03	3.97
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	10	9.21	33.59	2.19	0.91	31.94	24.86	0.25	24.61	3.43
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	20	8.88	33.61	2.41	0.70	35.69	28.72	0.30	28.42	2.53
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	30	8.61	33.65	2.57	0.22	39.03	30.75	0.32	30.43	1.51
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	40	8.71	33.74	2.34	0.38	35.03	29.98	0.29	29.67	0.93
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	49	8.72	33.75	2.45	0.36	35.08	29.87	0.30	29.57	1.01
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	61	8.73	33.77	2.49	0.41	36.24	30.12	0.30	29.82	1.39
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	66	8.73	33.77	2.36	0.43	34.27	30.27	0.28	29.96	1.38
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	70	8.72	33.78	2.50	0.39	37.07	30.36	0.30	30.06	1.46
W0309B	09/29/03	20:32	27	FM-04	43.22	-124.58	79	8.71	33.78	2.51	0.42	37.68	30.61	0.31	30.30	1.38
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	2	9.20	33.54	2.03	0.77	26.86	23.70	0.24	23.47	1.65
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	10	8.86	33.71	2.22	0.72	32.79	26.19	0.27	25.93	1.23
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	21	8.85	33.72	2.29	0.97	33.95	28.32	0.29	28.04	1.20
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	30	8.60	33.73	2.45	0.15	36.34	30.05	0.22	29.83	0.69
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	40	8.58	33.73	2.49	0.04	36.68	30.20	0.22	29.98	0.61
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	50	8.56	33.74	2.40	0.06	39.48	28.97	0.21	28.76	0.52
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	61	8.50	33.75	2.47	0.04	39.42	30.03	0.20	29.84	0.42
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	70	8.44	33.78	2.52	0.03	37.72	31.20	0.20	31.00	0.36
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	100	8.40	33.82	2.41	0.09	38.04	27.78	0.22	27.56	0.46
W0309B	09/29/03	21:32	28	FM-05	43.22	-124.67	150	8.26	33.87	2.31	0.01	33.90	26.60	0.22	26.38	0.28

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	2	9.60	33.31	1.96	0.13	22.94	19.11	0.23	19.11	2.74
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	10	9.27	33.37	1.79	0.22	22.26	18.59	0.19	18.59	2.51
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	20	9.01	33.45	2.03	0.66	28.32	24.09	0.24	24.09	1.83
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	30	8.75	33.53	2.11	0.31	25.03	25.13	0.24	25.13	1.15
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	41	8.66	33.57	2.19	0.28	30.25	25.46	0.26	25.21	0.92
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	50	8.64	33.60	2.33	0.12	31.22	28.01	0.28	27.73	0.80
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	70	8.59	33.67	2.38	0.00	31.92	28.06	0.28	27.78	0.54
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	100	8.31	33.75	2.29	0.02	34.26	27.33	0.12	27.20	0.23
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	151	8.06	33.94	2.44	0.00	41.00	33.97	0.02	33.95	0.04
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	215	7.61	34.03	2.81	0.00	48.02	35.79	0.02	35.77	
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	250	7.38	34.04	2.86	0.00	50.36	36.67	0.01	36.66	
W0309B	09/29/03	23:28	30	FM-07	43.22	-124.83	300	7.07	34.06	2.89	0.00	54.08	36.82	0.02	36.80	
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	1	12.68	32.36	0.72	0.28	2.39	3.17	0.15	3.02	1.24
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	10	12.08	32.40	0.83	0.30	2.94	4.52	0.17	4.35	1.22
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	20	10.11	32.40	1.23	0.16	6.52	10.28	0.21	10.07	0.63
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	30	8.80	32.68	1.60	0.41	12.58	16.10	0.12	15.98	0.63
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	40	9.34	32.97	1.69	1.31	10.93	17.24	0.22	17.02	0.68
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	50	9.22	33.00	1.64	1.11	11.21	16.09	0.19	15.90	0.73
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	70	8.47	33.30	2.19	0.24	25.51	25.49	0.17	25.32	0.61
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	100	8.05	33.56	2.35	0.00	31.98	29.33	0.05	29.28	0.12
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	150	7.74	33.88	2.62	0.00	41.74	34.16	0.02	34.14	0.03
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	250	7.32	34.04	2.90	0.00	52.88	37.52	0.02	37.51	
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	700	4.62	34.26	3.70	0.00	107.02	47.53	0.01	47.53	
W0309B	09/30/03	1:18	31	FM-08	43.22	-125.	1007	3.57	34.43	3.75	0.00	132.17	48.41	0.03	48.41	
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	2	14.70	32.24	0.52	0.06	0.10	0.35	0.03	0.31	0.57
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	10	14.63	32.23	0.56	0.26	0.66	0.71	0.06	0.65	0.61
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	20	11.77	32.45	0.79	1.49	2.72	3.51	0.18	3.33	0.67
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	30	10.20	32.45	1.05	0.49	3.97	7.35	0.26	7.09	0.54
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	40	9.57	32.53	1.42	0.54	7.69	12.65	0.23	12.42	0.53
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	45	9.32	32.58	1.44	0.53	9.62	13.01	0.21	12.80	0.49
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	50	9.73	32.89	1.62	0.49	12.78	16.12	0.42	15.70	0.22
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	71	9.10	33.13	1.62	0.00	17.05	20.64	0.23	20.38	0.16
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	101	8.27	33.45	2.17	0.00	27.23	26.71	0.02	26.69	0.05
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	149	8.13	33.91	2.63	0.00	40.84	34.04	0.02	34.01	0.02
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	956	3.86	34.40	3.63	0.00	119.03	46.03	0.00	46.03	
W0309B	09/30/03	2:57	32	FM-09	43.22	-125.17	1005	3.73	34.42	3.66	0.00	124.80	47.28	0.00	47.27	
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	2	11.45	33.08	0.58	0.38	1.08	1.43	0.08	1.35	12.16
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	5	11.39	33.09	0.63	0.38	1.08	1.98	0.07	1.91	12.61
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	10	11.09	33.11	0.83	0.39	2.57	2.64	0.07	2.57	15.69
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	15	10.96	33.12	0.88	0.53	3.25	3.61	0.08	3.52	15.64
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	20	10.53	33.17	1.24	0.81	7.70	8.63	0.16	8.47	12.71
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	25	10.07	33.23	1.67	1.44	14.32	13.39	0.26	13.13	8.86
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	30	9.61	33.29	1.92	2.01	19.98	17.08	0.34	16.74	6.21
W0309B	09/28/03	13:21	14	CR-01	41.90	-124.3	35	9.41	33.32	1.89	2.89	20.39	16.97	0.34	16.63	6.45
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	2	12.15	32.81	0.78	0.49	0.00	5.04	0.16	4.87	1.23
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	5	12.13	32.82	0.81	0.54	0.75	5.08	0.16	4.91	1.25
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	10	11.74	32.87	0.84	2.14	1.83	6.04	0.17	5.87	1.08
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	20	10.31	33.00	1.32	0.76	10.47	11.94	0.23	11.71	1.53
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	30	9.72	33.03	1.59	0.38	14.52	16.40	0.29	16.11	1.07
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	41	9.00	33.15	1.78	0.16	18.57	20.19	0.20	19.99	0.37
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	50	8.65	33.35	2.03	0.00	24.78	23.87	0.04	23.83	0.20

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	60	8.67	33.39	2.00	0.07	25.86	23.40	0.06	23.34	0.21
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	70	8.71	33.47	2.19	0.04	27.48	25.60	0.11	25.49	0.24
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	99	8.61	33.75	2.51	0.05	36.79	29.75	0.15	29.60	0.16
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	110	8.58	33.74	2.50	0.05	36.66	29.74	0.16	29.58	0.17
W0309B	09/28/03	15:49	16	CR-03	41.90	-124.5	129	8.54	33.76	2.51	0.20	36.40	29.27	0.16	29.11	0.17
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	2	11.32	32.48	0.99	0.25	4.46	6.49	0.14	6.35	0.88
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	10	11.80	32.99	0.72	0.35	0.42	3.04	0.09	2.94	4.57
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	14	11.58	33.03	0.83	1.16	1.77	4.88	0.11	4.76	5.66
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	20	10.30	33.03	1.42	1.42	10.54	12.11	0.21	11.89	2.01
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	30	9.09	33.03	1.71	0.00	16.88	18.93	0.08	18.85	0.36
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	40	8.42	33.16	1.86	0.11	20.66	21.74	0.02	21.72	0.15
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	50	8.38	33.23	1.88	0.01	21.48	22.04	0.01	22.03	0.11
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	70	8.15	33.45	2.07	0.05	27.69	25.42	0.02	25.40	0.06
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	101	8.23	33.65	2.21	0.01	33.35	27.93	0.01	27.92	0.06
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	149	7.87	33.92	2.34	0.00	40.37	32.59	0.01	32.58	0.03
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	350	6.72	34.08	3.07	0.00	60.60	39.20	0.00	39.20	
W0309B	09/28/03	18:03	17	CR-04	41.90	-124.6	450	6.01	34.11	3.19	0.05	74.22	41.40	0.00	41.40	
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	2	11.24	32.80	0.87	0.23	2.25	5.98	0.13	5.85	1.84
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	10	10.48	33.02	1.25	0.32	8.92	11.42	0.21	11.20	3.16
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	20	10.39	33.17	1.34	0.64	9.83	12.54	0.25	12.29	4.46
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	30	9.96	33.25	1.58	0.67	15.14	16.43	0.20	16.21	5.36
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	40	9.12	33.33	1.86	0.30	18.46	22.68	0.22	22.44	1.28
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	50	8.96	33.47	2.16	0.14	27.04	25.14	0.30	24.84	0.69
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	70	8.46	33.56	2.24	0.04	30.11	27.39	0.19	27.20	0.38
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	100	8.08	33.77	2.38	0.00	34.74	30.10	0.03	30.07	0.04
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	151	8.01	33.95	2.59	0.00	41.25	33.17	0.02	33.15	0.05
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	270	6.90	34.06	3.01	0.00	57.44	38.96	0.01	38.95	
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	500	5.27	34.15	3.48	0.00	84.83	44.45	0.01	44.43	
W0309B	09/28/03	20:34	18	CR-05	41.90	-124.7	651	4.80	34.24	3.48	0.14	98.85	46.34	0.02	46.32	
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	1	13.74	32.49	0.69	0.22	2.48	2.81	0.08	2.73	0.46
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	11	11.64	32.73	1.15	0.22	6.26	9.32	0.22	9.10	0.95
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	20	11.08	32.78	1.18	0.72	6.50	9.72	0.25	9.48	0.88
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	29	10.52	33.06	1.30	0.60	8.09	11.92	0.22	11.70	2.74
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	40	9.98	33.21	1.55	0.94	14.60	15.81	0.23	15.58	3.97
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	50	9.62	33.30	1.73	0.49	20.45	18.88	0.27	18.62	2.11
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	70	9.04	33.43	2.07	0.12	25.73	23.80	0.30	23.50	0.67
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	100	8.01	33.56	2.30	0.00	31.13	28.67	0.08	28.59	0.12
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	150	7.74	33.92	2.60	0.00	43.50	34.26	0.02	34.24	0.07
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	419	5.65	34.15	3.10	0.12	75.12	37.22	0.00	37.23	
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	501	5.30	34.18	3.47	0.00	89.00	45.28	0.00	45.28	
W0309B	09/29/03	0:29	20	CR-07	41.90	-125.	780	4.28	34.32	3.73	0.00	114.34	47.68	0.01	47.67	
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	2	16.99	32.18	0.34	0.09	0.92	0.00	0.00	0.00	0.28
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	10	16.14	32.22	0.41	0.18	1.45	0.19	0.01	0.18	0.31
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	20	13.30	32.55	0.75	0.51	4.27	2.90	0.10	2.80	0.45
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	30	12.63	32.57	0.88	0.52	4.37	4.74	0.17	4.58	0.45
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	40	11.59	32.50	0.95	0.56	5.24	4.83	0.20	4.64	0.29
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	50	10.35	32.41	1.05	0.16	5.36	6.31	0.22	6.09	0.25
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	70	8.93	32.59	1.29	0.00	9.57	12.21	0.05	12.17	0.13
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	100	8.63	33.16	1.90	0.00	19.88	21.59	0.02	21.57	0.09
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	149	7.70	33.67	2.26	0.00	34.71	28.62	0.01	28.61	0.01
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	765	4.16	34.30	3.76	0.00	117.36	48.94	0.00	48.94	
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	845	4.04	34.36	3.73	0.00	121.14	48.47	0.00	48.47	

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0309B	09/29/03	4:02	22	CR-09	41.90	-125.4	1005	3.61	34.44	3.68	0.02	131.47	47.89	0.00	47.90	
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	2	16.92	32.16	0.38	0.00	0.50	0.15	0.00	0.15	0.35
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	11	16.90	32.16	0.40	0.01	0.59	0.14	0.00	0.14	0.35
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	21	16.89	32.16	0.42	0.03	0.90	0.24	0.00	0.24	0.33
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	30	15.78	32.24	0.54	0.50	1.26	0.33	0.01	0.32	0.29
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	40	14.53	32.30	0.70	1.19	2.56	1.19	0.13	1.07	0.14
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	51	12.81	32.40	0.85	0.56	3.45	3.02	0.39	2.63	0.08
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	70	10.49	32.47	1.12	0.00	6.25	7.80	0.06	7.74	0.05
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	100	9.47	32.85	1.65	0.00	15.18	17.11	0.01	17.10	0.04
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	150	8.11	33.58	2.34	0.00	33.24	29.02	0.02	29.01	0.02
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	770	4.20	34.31	3.76	0.00	116.05	48.57	0.01	48.56	
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	940	3.74	34.40	3.77	0.00	126.35	48.66	0.01	48.65	
W0309B	09/29/03	9:13	24	CR-11	41.90	-126.	1004	3.58	34.43	3.72	0.00	128.33	48.15	0.01	48.14	
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	3	15.25	32.46	0.48	0.03	3.51	0.34	0.04	0.30	5.31
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	6	15.03	32.47	0.47	0.28	4.16	0.45	0.05	0.41	5.06
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	10	14.96	32.47	0.48	0.29	4.53	0.77	0.05	0.73	3.19
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	15	14.56	32.49	0.67	1.18	5.59	2.29	0.07	2.23	1.48
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	21	11.79	32.75	1.10	3.02	9.94	6.84	0.10	6.74	0.55
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	25	10.12	32.92	1.80	3.55	18.55	15.24	0.13	15.12	0.29
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	30	8.80	33.09	2.26	2.57	31.56	22.66	0.13	22.53	0.29
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	41	8.13	33.30	2.59	2.19	37.41	27.05	0.13	26.92	0.31
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	51	7.86	33.55	2.89	1.47	49.04	30.76	0.17	30.59	0.82
W0408D	08/30/04	23:21	3	NH-05	44.65	-124.18	52	7.86	33.55	2.88	1.48	49.41	30.45	0.18	30.28	0.98
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	3	16.15	32.38	0.34	0.00	1.17	0.03	0.02	0.02	1.07
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	5	16.12	32.38	0.33	0.00	1.28	0.03	0.02	0.02	1.08
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	10	16.08	32.39	0.32	0.00	1.79	0.07	0.02	0.05	1.13
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	12	16.05	32.39	0.29	1.51	1.48	0.23	0.02	0.21	1.22
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	20	10.85	32.96	1.22	2.10	10.62	9.16	0.14	9.02	1.18
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	30	8.91	33.21	2.27	2.85	23.22	23.25	0.15	23.11	1.79
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	39	7.92	33.29	2.29	0.25	32.10	27.07	0.18	26.89	0.45
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	50	7.95	33.55	2.52	0.07	37.41	30.62	0.20	30.42	0.29
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	60	7.87	33.73	2.88	0.00	51.09	34.13	0.17	33.94	0.31
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	69	7.84	33.78	3.00	0.00	56.00	35.07	0.18	34.89	0.55
W0408D	08/31/04	1:49	5	NH-15	44.65	-124.41	86	7.83	33.79	2.90	0.13	55.41	32.94	0.18	32.76	0.64
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	2	15.46	32.16	0.36	0.28	5.83	0.07	0.02	0.05	1.32
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	11	12.25	32.29	0.67	0.23	6.65	1.30	0.07	1.22	2.34
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	20	9.42	32.60	1.52	0.40	17.08	14.47	0.27	14.21	0.50
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	30	8.54	32.76	1.61	0.13	16.95	16.60	0.14	16.46	0.37
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	39	8.91	32.95	1.71	0.99	17.64	17.50	0.17	17.34	0.54
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	50	8.97	33.21	2.07	2.33	21.03	20.90	0.17	20.73	0.54
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	70	8.05	33.27	2.16	0.60	28.35	25.19	0.15	25.04	0.31
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	100	7.83	33.67	2.51	0.01	42.17	31.60	0.07	31.53	0.12
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	149	7.89	33.88	2.50	0.00	42.44	32.24	0.03	32.21	0.07
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	171	7.83	33.91	2.55	0.00	44.35	33.09	0.07	33.02	
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	200	7.61	33.92	2.63	0.00	47.74	33.26	0.08	33.18	
W0408D	08/31/04	4:12	7	NH-25	44.65	-124.65	284	7.01	34.01							
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	4	16.59	31.46	0.29	0.34	3.83	0.00	0.01	0.00	0.45
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	10	16.21	31.63	0.35	0.18	5.19	0.00	0.01	0.00	0.60
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	20	11.82	32.28	0.93	0.16	6.55	4.54	0.18	4.36	0.89
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	25	9.71	32.49	1.24	0.08	10.49	10.05	0.32	9.73	1.06
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	30	9.46	32.53	1.29	0.51	11.85	11.33	0.32	11.00	1.11

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	41	9.05	32.75	1.57	0.80	14.16	14.88	0.25	14.63	0.52
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	50	8.75	32.83	1.61	0.54	16.61	17.59	0.18	17.40	0.29
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	70	8.08	33.08	1.93	0.00	24.19	22.93	0.02	22.92	0.08
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	100	7.91	33.75	2.31	0.00	36.52	29.76	0.04	29.72	0.03
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	150	7.72	33.92	2.55	0.00	46.41	33.48	0.03	33.45	0.04
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	220	7.39	33.98	2.45	0.00	44.80	30.31	0.06	30.25	
W0408D	08/31/04	13:06	8	NH-35	44.65	-124.88	429	5.75	34.06	3.00	0.00	70.52	39.31	0.04	39.27	
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	3	17.98	31.38	0.29	0.00	1.82	0.18	0.01	0.17	0.36
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	9	17.96	31.39	0.29	0.00	1.87	0.26	0.01	0.25	0.36
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	20	12.77	32.24	0.54	0.05	1.91	0.97	0.03	0.94	0.71
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	26	11.50	32.33	0.76	0.12	3.47	2.25	0.10	2.16	0.88
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	30	10.15	32.40	1.04	0.37	6.95	6.18	0.25	5.93	0.74
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	40	9.06	32.52	1.31	0.00	11.38	12.12	0.28	11.84	0.45
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	50	8.81	32.70	1.50	0.00	15.14	15.48	0.12	15.36	0.28
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	70	8.42	33.00	1.88	0.00	22.59	22.10	0.04	22.06	0.09
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	100	8.08	33.43	2.12	0.00	32.36	26.07	0.02	26.06	0.02
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	150	7.86	33.86	2.46	0.00	41.20	32.18	0.02	32.16	0.02
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	500	5.39	34.11	3.29	0.00	82.53	42.99	0.01	42.98	
W0408D	08/31/04	16:30	11	NH-45	44.65	-125.12	685	4.34	34.28	3.53	0.00	110.97	45.73	0.02	45.71	
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	4	18.31	31.99	0.32	0.00	0.40	0.00	0.01	0.00	
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	10	18.20	31.99	0.27	0.05	0.47	0.00	0.01	0.00	0.29
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	21	12.60	32.23	0.59	0.00	0.78	0.00	0.02	0.00	0.33
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	30	9.99	32.35	0.86	0.00	7.00	2.55	0.13	2.41	1.29
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	40	9.35	32.42	1.14	0.00	8.29	8.55	0.18	8.36	0.63
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	50	8.92	32.51	1.32	0.00	11.49	11.90	0.05	11.84	0.34
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	70	8.47	32.86	1.79	0.00	19.77	19.35	0.03	19.32	0.11
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	100	8.25	33.46	2.13	0.07	27.91	23.69	0.01	23.67	0.05
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	150	7.86	33.85	2.34	0.00	37.42	28.86	0.00	28.86	0.03
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	814	4.14	34.33	3.61	0.00	118.24	46.05	0.01	46.04	
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	980	3.63	34.41	3.59	0.00	133.93	47.23	0.02	47.21	
W0408D	08/31/04	21:45	13	NH-65	44.65	-125.6	1004	3.59	34.42	3.57	0.00	134.39	47.16	0.01	47.15	
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	3	19.32	31.79	0.35	0.00	2.30	0.00	0.00	0.00	0.28
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	10	19.26	31.80	0.35	0.01	2.21	0.00	0.00	0.00	0.23
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	20	16.17	32.14	0.49	0.00	0.75	0.11	0.00	0.11	0.33
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	30	11.78	32.34	0.57	0.00	0.25	0.09	0.00	0.10	0.33
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	41	10.87	32.40	0.60	0.05	0.85	0.44	0.02	0.43	0.88
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	50	9.65	32.43	1.02	0.03	6.38	6.33	0.23	6.10	0.47
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	70	8.83	32.66	0.61	0.00	1.22	0.31	0.00	0.31	0.32
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	100	8.19	33.17	2.06	0.03	27.06	24.97	0.01	24.96	0.03
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	150	7.79	33.69	2.31	0.00	36.70	29.25	0.02	29.23	0.01
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	289	6.52	34.00	2.85	0.00	60.06	38.41	0.02	38.39	
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	800	4.06	34.32	3.48	0.00	117.03	44.98	0.02	44.96	
W0408D	09/01/04	1:11	14	NH-85	44.65	-126.05	1006	3.62	34.40	3.59	0.00	132.57	47.14	0.01	47.13	
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	3	10.47	33.04	2.10	3.63	26.07	18.89	0.18	18.71	0.95
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	5	10.28	33.16	2.19	3.97	28.57	20.27	0.18	20.14	1.07
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	10	10.19	33.17	2.05	3.97	26.48	20.32	0.16	20.14	0.92
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	11	10.18	33.17	2.22	3.94	27.77	20.38	0.19	20.18	1.07
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	15	10.08	33.16	2.21	3.79	26.62	20.74	0.26	20.48	1.02
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	20	9.32	33.21	2.25	3.15	26.29	22.12	0.33	21.75	0.76
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	25	8.60	33.27	2.27	1.87	26.09	24.33	0.28	24.06	0.30
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	30	8.34	33.32	2.17	0.62	27.79	25.10	0.23	24.87	0.15
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	40	8.20	33.51	2.50	1.70	40.67	27.93	0.42	27.52	0.68

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0408D	09/01/04	14:03	16	HH-01	44.00	-124.2	49	8.20	33.51	2.54	1.63	41.96	27.83	0.42	27.41	0.69
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	2	15.90	32.38	0.25	0.03	2.39	0.00	0.00	0.00	2.01
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	5	15.84	32.38	0.33	0.05	3.03	0.00	0.00	0.00	1.85
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	10	13.99	32.41	0.58	0.39	3.90	1.98	0.14	1.83	1.38
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	13	12.23	32.56	0.83	0.89	6.80	5.32	0.20	4.44	1.21
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	20	9.42	32.65	1.59	1.51	12.81	14.21	0.34	13.87	0.45
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	30	8.57	33.02	1.92	0.31	21.52	21.10	0.35	20.75	0.17
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	40	8.09	33.24	2.16	0.03	27.52	25.52	0.14	25.37	0.08
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	50	8.09	33.39	2.50	1.68	35.02	29.58	0.33	29.24	0.05
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	60	8.10	33.59	2.46	0.77	36.71	31.74	0.31	31.40	0.10
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	70	8.01	33.68	2.38	0.00	37.05	30.50	0.14	30.36	0.09
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	100	8.12	33.84	2.88	0.00	57.90	35.03	0.00	35.02	0.23
W0408D	09/01/04	16:04	18	HH-02	44.00	-124.4	105	8.12	33.84	2.86	0.00	57.83	34.61	0.02	34.60	0.23
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	3	13.43	31.75	0.32	0.00	0.19	0.00	0.01	0.00	0.50
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	10	10.84	32.57	0.44	0.00	1.88	0.00	0.02	0.00	0.62
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	20	9.81	33.00	0.77	0.00	3.17	1.62	0.09	1.52	0.97
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	25	9.48	33.02	0.76	0.04	4.73	2.69	0.13	2.57	0.99
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	30	9.05	33.04	0.95	0.00	6.15	5.32	0.21	5.11	0.94
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	40	8.69	33.15	1.23	0.05	11.87	11.18	0.15	11.03	0.53
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	50	8.49	33.19	1.55	0.00	15.19	16.11	0.10	16.01	0.33
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	60	8.35	33.28	1.72	0.00	18.91	19.30	0.11	19.18	0.16
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	70	8.09	33.79	2.05	0.00	28.15	25.00	0.07	24.93	0.06
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	100	8.05	33.81	2.41	0.00	37.26	30.55	0.02	30.53	0.04
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	130	8.02	33.80	2.54	0.00	43.41	31.84	0.02	31.82	0.06
W0408D	09/01/04	18:32	20	HH-03	44.00	-124.6	144	8.02	33.84	2.84	0.00	54.54	34.31	0.12	34.18	0.17
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	3	17.08	32.12	0.33	0.00	1.69	0.18	0.02	0.16	0.34
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	5	16.80	32.14	0.33	0.01	1.42	0.06	0.02	0.04	0.41
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	10	14.42	32.18	0.40	0.01	1.42	0.39	0.02	0.37	0.54
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	15	10.78	32.35	0.87	0.17	4.18	3.64	0.17	3.47	0.91
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	20	9.65	32.45	1.11	0.37	8.04	7.66	0.31	7.35	0.72
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	30	9.35	32.54	1.28	0.04	12.46	12.07	0.25	11.78	0.61
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	40	8.95	32.73	1.53	0.01	15.22	15.78	0.14	15.64	0.34
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	50	8.64	32.94	1.81	0.00	19.77	20.20	0.09	20.11	0.16
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	60	8.43	33.16	1.99	0.00	22.66	22.80	0.09	22.71	0.08
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	70	8.30	33.28	2.05	0.00	26.11	24.54	0.07	24.47	0.05
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	95	8.05	33.71	2.27	0.03	39.08	30.23	0.03	30.19	0.03
W0408D	09/01/04	20:15	21	HH-04	44.00	-124.8	107	7.91	33.82	2.45	0.00	41.15	29.90	0.09	29.80	0.04
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	3	18.64	31.93	0.24	0.06	3.32	0.00	0.02	0.00	0.30
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	10	18.54	31.93	0.24	0.11	0.00	0.00	0.02	0.00	0.31
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	20	17.28	31.95	0.35	0.11	0.00	0.00	0.02	0.00	0.38
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	30	10.63	32.31	0.65	0.00	0.57	0.07	0.05	0.02	0.73
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	35	10.20	32.35	0.77	0.05	2.92	1.81	0.18	1.63	0.71
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	40	9.95	32.40	0.88	0.00	5.12	3.91	0.24	3.67	0.46
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	50	9.57	32.45	1.14	0.03	8.30	8.78	0.08	8.70	0.25
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	71	8.48	32.98	1.60	0.00	17.12	17.13	0.03	17.09	0.08
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	100	8.11	33.41	2.04	0.00	26.36	24.87	0.03	24.84	0.02
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	151	7.65	33.83	2.27	0.00	37.53	30.04	0.05	29.99	0.01
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	498	5.38	34.06	3.19	0.00	79.72	42.27	0.05	42.23	
W0408D	09/01/04	22:06	22	HH-05	44.00	-125.	927	4.07	34.35	3.54	0.00	121.08	44.52	0.05	44.47	
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	3	18.90	31.87	0.19	0.00	0.00	0.00	0.01	0.00	0.27
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	10	18.88	31.87	0.21	0.00	0.54	0.00	0.02	0.00	0.28

Cruise ID	GMT Date	GMT Time	Station #	Station name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	PO4 [µM]	NH4 [µM]	SiO2 [µM]	N + N [µM]	NO2 [µM]	NO3 [µM]	Chl-a [µg/L]
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	20	18.71	31.96	0.26	0.03	0.54	0.00	0.01	0.00	0.25
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	30	13.99	32.21	0.49	0.01	0.55	0.00	0.01	0.00	0.31
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	40	11.78	32.28	0.57	0.04	0.00	0.00	0.01	0.00	0.37
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	45	10.47	32.31	0.65	0.00	0.55	0.00	0.02	0.00	0.93
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	50	10.08	32.34	0.76	0.04	2.21	1.62	0.09	1.53	1.30
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	70	8.74	32.62	1.33	0.00	11.86	12.74	0.04	12.70	0.14
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	100	7.97	33.37	1.94	0.00	22.62	21.59	0.04	21.55	0.02
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	150	7.58	33.72	2.05	0.00	32.27	25.86	0.03	25.82	0.01
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	360	6.09	34.07	3.05	0.00	69.49	38.85	0.03	38.82	
W0408D	09/01/04	0:16	23	HH-07	44.00	-125.2	1005	3.65	34.42	3.46	0.00	133.33	43.61	0.02	43.59	