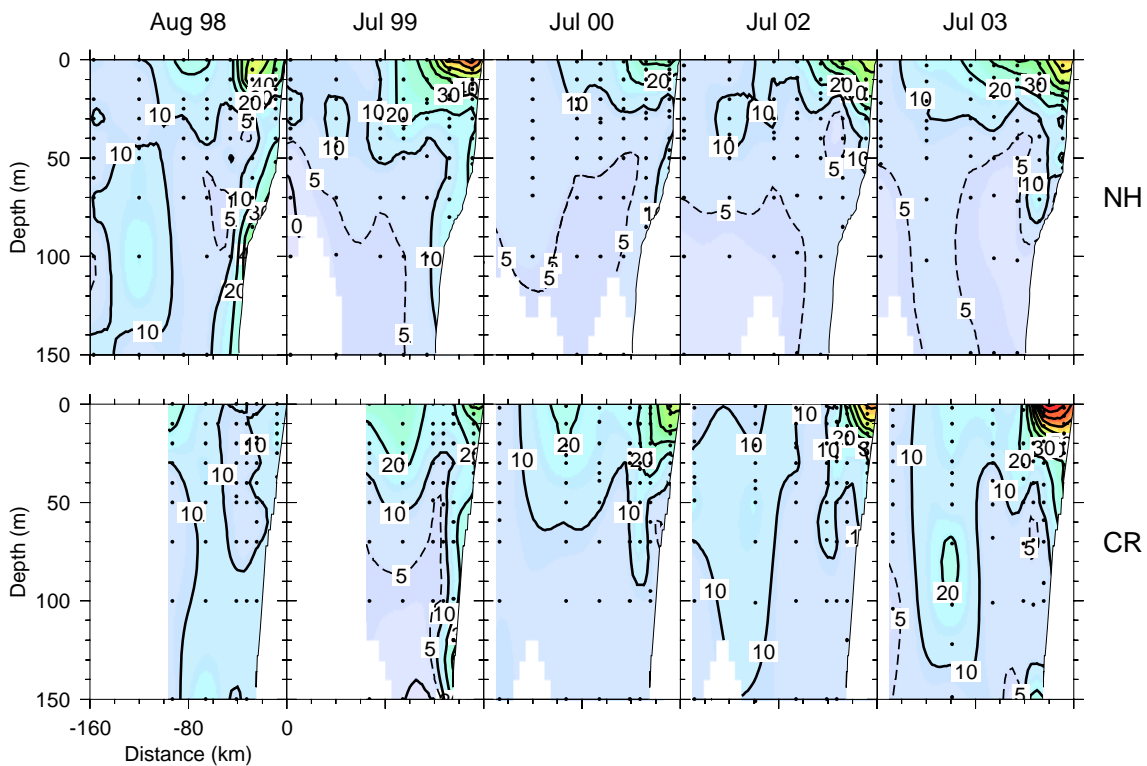


# College of Oceanic and Atmospheric Sciences

POC ( $\mu\text{M}$ ) comparison between the Newport and Crescent City Lines



**Oregon State University**

**Particulate and Dissolved Organic Carbon  
and Nitrogen Data from the GLOBEC Long-  
Term Observation Program, 1997-2004**

Jennifer Jarrell Wetz, Julie Arrington, and  
Patricia A. Wheeler

College of Oceanic and Atmospheric Sciences  
Oregon State University  
Corvallis, Oregon 97331-5503

Data Report 205  
COAS Reference 2006-2  
August 2006



**Particulate and Dissolved Organic Carbon and Nitrogen Data from the GLOBEC  
Long-Term Observation Program, 1997-2004**

Jennifer Jarrell Wetz, Julie Arrington, and Patricia A. Wheeler

College of Oceanic and Atmospheric Sciences  
Oregon State University  
Corvallis, Oregon 97331-5503

Data Report 205  
COAS Reference 2006-2  
August 2006



The particulate and dissolved organic carbon and nitrogen data included in this report are a complete version of all data for GLOBEC cruises 1997-2004. The nutrient and chlorophyll data that correspond to this data set can be found in “Nutrient and Extracted Chlorophyll Data from the GLOBEC Long-Term Observation Program, 1997-2004”, Data Report 193, COAS Reference 2004-1, published February 2004. This data can be found in electronic format on the GLOBEC website:

<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 particulate and dissolved organic carbon and nitrogen 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.

Total Organic Carbon (TOC) samples were subsampled from niskins into precombusted borosilicate vials capped with Teflon coated liners (these are the first samples drawn from the niskins). 50  $\mu$ l of 85%  $H_3PO_4$  is added to each vial immediately and the vials are stored in the dark at room temperature until analysis.

Total Nitrogen (TN) samples are sampled into 125-ml Nalgene HDPE bottles and triplicate 10 ml volumes are subsampled by pipette into acid washed and rinsed 60 ml HPDE or Teflon bottles. Samples are stored at  $-20^{\circ}C$  until analysis.

Particulate Organic Carbon and Nitrogen (POC/PON) samples were subsampled from the niskins into 1 or 0.5 L acid-washed and rinsed bottles after filtration through 200 $\mu$ m mesh (to exclude large zooplankton). 1 or 0.5 L samples were then vacuum filtered (<200 mm Hg) through precombusted (at 400 $^{\circ}C$  for 4 h) 25 mm Whatman<sup>TM</sup> GF/F filters. The filters were then stored in glass Vacutainer<sup>TM</sup> tubes at  $-20^{\circ}C$  until further analysis.

### Sample Analyses

#### *Total Nitrogen Analysis*

For TN analysis, samples were thawed at room temperature. Organic nitrogen was converted to nitrate using a persulfate wet oxidation method (Libby and Wheeler 1997), which was then analyzed using a Technicon AA-II. Instrument calibration was performed daily using a standard curve prepared from triplicate digested leucine standards at three concentrations. Fresh standards were made prior to each run by diluting a primary standard with artificial seawater. Digested artificial seawater was used

as a blank, and the standard curve was corrected for nitrogen content of the blank by determining the concentration of nitrogen in the persulfate solution and then calculating the amount of nitrogen in the artificial seawater. Artificial seawater nitrogen content was estimated as the difference between blank signal and persulfate signal. Data was screened by checking triplicate data for CV > 10%. Fliers greater than 1sd from the mean replicate value were deleted from the dataset. In addition, data was screened for coherence within depth profiles. See Table 1 for the average coefficient of variation for all TN replicates after editing.

Table 1. TN average CV (%)  $\pm$  stdev for each year of cruises, and highest observed CV.

<i>Year of Cruise</i>	<i>CV (%) <math>\pm</math> stdev</i>	<i>High observed CV</i>
1997	3.12 $\pm$ 2.73	15.8
1998	5.11 $\pm$ 4.38	28.6
1999	5.30 $\pm$ 4.96	36.2
2000	2.31 $\pm$ 2.05	13.8
2001	2.56 $\pm$ 2.30	19.5
2002	2.22 $\pm$ 2.07	16.3
2003	3.24 $\pm$ 3.34	31.45
2004	4.38 $\pm$ 2.98	18.52

#### *POC/PON Analysis*

GLOBEC data from 1997, 1998, and July 1999 was processed at two different places, OSU and Santa Barbara Analytical Lab. All other samples were processed at the Santa Barbara lab. Table 2 lists cruise and where data was processed.

Table 2. Processing location for GLOBEC POM samples

<i>Cruise</i>	<i>OSU</i>	<i>Santa Barbara</i>
Sep 1997	X	
Nov 1997	X	X
Jan 1998	X	X
April 1998	X	X
Aug 1998	X	X
Sep 1998	X	X
Nov 1998	X	
Jul 1999	X	X

Filters processed at OSU were fumed with concentrated hydrochloric acid for 12 h (to remove inorganic carbon) and dried. The filters were then placed in tin boats and analyzed using a Carlo Erba™ CNS analyzer. Boat blanks, filter blanks and acetonitrile standards were run with each batch of samples. Within each run, the average filter blank

is subtracted from the sample values. Additionally, the average, sd and CV of all filter blanks run within each year were calculated (see Table 3). Samples that were less than twice the yearly average blank value were deleted from the data set.

The other 1999 cruises and all of 2000-2004 cruise samples were processed at the MSI Analytical Lab, UC, Santa Barbara, California. Prior to shipping to Santa Barbara, filters were fumed with concentrated hydrochloric acid (for 12 h) to remove inorganic carbon and then dried at 60°C overnight. Analysis followed using a Control Equipment Corp. 440HA CHN elemental analyzer calibrated with acetanilide. During analysis, filter blanks were run after every nine to ten samples and were checked for fliers within each batch run. The average, sd, and CV of all blanks run within one batch were calculated. The  $\text{avg} \pm 2\text{sd}$  was used to screen the blanks. Any values outside of this range were not included in the blank mean used to correct sample values. Filter blank averages for each batch run at Santa Barbara are listed in Table 3.

Table 3. Filter blank averages by year of cruise or batch # of samples.

<i>Year of Cruise/ Batch #</i>	$\mu\text{g C}$	$\mu\text{g N}$
1997-99 (OSU)	$9.84 \pm 4.87$	$2.17 \pm 0.72$
1029	$23.78 \pm 2.84$	$0.71 \pm 0.49$
1100	$18.04 \pm 2.07$	$0.70 \pm 0.48$
1175	$17.91 \pm 2.77$	$0.39 \pm 0.49$
409	$29.56 \pm 3.78$	$2.37 \pm 0.82$
424	$19.31 \pm 1.76$	$0.10 \pm 0.51$
447	$23.36 \pm 3.84$	$0.35 \pm 0.41$
482	$25.63 \pm 5.87$	$0.32 \pm 1.03$
558	$24.49 \pm 4.54$	$0.53 \pm 0.63$
576	$19.58 \pm 5.21$	$0.36 \pm 0.81$
606	$22.61 \pm 3.00$	$0.10 \pm 1.03$
656	$21.74 \pm 3.20$	$0.61 \pm 0.93$
752	$27.50 \pm 8.68$	$0.17 \pm 0.82$
787	$26.44 \pm 9.27$	$0.65 \pm 0.62$
816	$21.94 \pm 2.97$	$0.31 \pm 0.72$
853	$22.95 \pm 2.92$	$-0.01 \pm 0.77$
874	$18.76 \pm 1.65$	$0.96 \pm 0.77$
908	$21.40 \pm 2.74$	$0.06 \pm 0.96$
All Batches	$22.72 \pm 5.29$	$0.48 \pm 0.82$

For Santa Barbara samples, these average blank values were subtracted from each measured sample value as a filter blank correction. Resulting sample values were then screened for the number of standard deviations away from filter blank values. Any samples values that were very low or a negative number of sd from the blank average were deleted from the data set as below detection limit (bdl). Data was further screened

by coherence within depth profiles. The majority of the data excluded from the data set was due to values being bdl. Table 4 lists the number of values excluded by screening.

Table 4. # values excluded for all sample values (n).

<i>Year of Cruise</i>	<i>POC # values excluded (n)</i>	<i>PON # values excluded (n)</i>
1997	24 (353)	65 (353)
1998	63 (1006)	145 (1006)
1999	183 (874)	21 (874)
2000	150 (1060)	46 (1060)
2001	119 (679)	10 (679)
2002	83 (1014)	5 (1014)
2003	10 (887)	6 (887)
2004	11 (147)	0 (147)

### *TOC Analysis*

Early triplicate samples from 1997 and 1998 were run on a Shimadzu TOC-500. Standard curves were made up in DIW with acid potassium phthalate. 50 µl of 50% H<sub>3</sub>PO<sub>4</sub> was added to each sample and samples were sparged with compressed air for 10 minutes prior to analysis. In most cases, Deep Sea Water (DSW) samples were run at the beginning and end of a run to check for drift. If drift was apparent, another standard curve was run to allow for interpolation of the samples. Three subsamples were taken from each water sample. These were screened by a coefficient of variance (CV) of 5%. If the CV between subsamples was > than 5%, the value > 1 sd from the mean was removed. If the CV was still > 5% the value was deleted from the triplicate data set (see Table 5 for subsample average CV). To account for drift between days, the data was normalized using the DSW bottle average over all runs and the daily DSW average (this was possible for most runs, however a few days did not have DSW run with the samples and could not be normalized, e.g. July 9, 1998 run for Sep 97).

Triplicate values were screened to be within 15% CV. If CV was greater than 15, the value > 1sd from the mean was removed. If the CV was still > 15, the entire sample was excluded from the data summary (see Table 8 for avg CV and # of samples deleted from dataset).

Starting in April 2000, triplicate samples were analyzed using the High Temperature Catalytic Combustion method on a Shimadzu TOC-5000A analyzer with an ASI 5000 autosampler. Standard curves were run twice daily using a DIW blank and four concentrations of an acid potassium phthalate solution. Beginning and ending standard curves were used to interpolate the data and account for drift during each run. All samples and standards received 50 µl of 50% H<sub>3</sub>PO<sub>4</sub> and were sparged with compressed air prior to injection. Five subsamples were taken from each water sample and injected in sequence. Subsamples were screened for a coefficient of variance > 5 %.



If the CV was >5%, values greater than 1 sd from the mean were excluded. Table 5 lists the subsample variance for each cruise after editing.

Table 5. Subsample variance by cruise (after editing by CV).

<i>Cruise</i>	<i>Avg CV ± sd for subsamples</i>
Sep 1997	1.87 ± 1.18
Nov 1997	1.74 ± 1.03
Aug 1998	2.83 ± 1.38
Sep 1998	2.38 ± 1.24
Apr 2000	2.41 ± 1.78
Jul 2000	2.13 ± 1.25
Sep 2000	1.46 ± 0.94
Jan 2001	2.87 ± 2.15
Mar 2001	1.56 ± 0.96
Jul 2001	1.32 ± 0.89
Sep 2001	1.41 ± 1.02
Nov 2001	1.37 ± 1.39
Feb 2002	1.53 ± 0.97
Apr 2002	1.46 ± 1.02
Jul 2002	1.83 ± 1.44
Sep 2002	1.92 ± 1.24
Dec 2002	2.59 ± 1.64
Feb 2003	1.64 ± 1.04
Apr 2003	1.69 ± 1.06
Jul 2003	1.86 ± 1.04
Sep 2003	2.13 ± 1.14
Sep 2004	2.00 ± 1.62

Deep-water standards (DSW) of known approximate TOC concentration were injected after every three to four samples (fifteen to twenty subsamples) to check for baseline shifts. DSW standards used over the course of analyzing the GLOBEC data set were taken from multiple bottles. These bottles were collected at various times and therefore slight variation exists among the TOC concentrations in the bottles. To account for this variation, individual bottle averages were determined (including all days of runs). In order to normalize the data to account for instrument variation between runs, each DSW bottle average was divided by the daily DSW value. The resulting normalization factor was then multiplied by that particular day's sample values. Note that for each cruise DSW standards may have come from more than one bottle. Table 6 lists the average DSW values for each cruise and the DSW bottle averages used to normalize the data sets.

Table 6. Average daily DSW value for each cruise (before normalization) and Avg DSW bottle value used to normalize each cruise (multiple values indicate # of bottles of DSW used for that cruise).

<i>Cruise</i>	<i>Avg daily DSW value <math>\pm</math> sd</i>	<i>Avg DSW bottle value</i>
Apr 2000	40.03 $\pm$ 3.25	39.67
Jul 2000	38.51 $\pm$ 3.64	39.48
	40.66 $\pm$ 2.63	40.48
	38.26 $\pm$ 4.85	39.67
Sep 2000	39.16 $\pm$ 2.22	41.80
Jan 2001	39.85 $\pm$ 4.31	39.54
Mar 2001	46.69 $\pm$ 6.12	41.80
	52.63 $\pm$ 5.62	42.10
Jul 2001	40.67 $\pm$ 6.54	42.10
Sep 2001	37.18 $\pm$ 2.71	42.10
	38.33 $\pm$ 2.79	38.60
Nov 2001	39.61 $\pm$ 2.68	38.60
Feb 2002	34.76 $\pm$ 5.57	38.60
Apr 2002	43.66 $\pm$ 5.90	40.66
Jul 2002	46.19 $\pm$ 1.74	46.69
	43.84 $\pm$ 3.21	43.58
Sep 2002	44.38 $\pm$ 5.84	43.58
	42.19 $\pm$ 7.65	41.51
Dec 2002	37.61 $\pm$ 3.35	41.51
Feb 2003	36.98 $\pm$ 1.13	36.27
Apr 2003	37.18 $\pm$ 2.26	36.27
	40.15 $\pm$ 3.51	39.92
Jul 2003	46.05 $\pm$ 10.96	39.92
Sep 2003	49.97 $\pm$ 12.32	41.00
Sep 2004	41.73 $\pm$ 2.23	41.00
	40.71 $\pm$ 1.40	38.90
<b>Average</b>	41.25 $\pm$ 4.18	40.87 $\pm$ 2.13

Starting in April 2000, a Sargasso Deep Sea Water Standard (SDSW) (obtained from Drs. Dennis Hansell and W. Chen, Certified Reference Materials Program, University of Miami) was used as an additional check of the machine and standards. This reference material was injected several times (in triplicate) during each run. Average values for the SDSW for each cruise are listed in Table 7.

Table 7. Average values of SDSW for each cruise.

<i>Cruise</i>	<i>Avg SDSW (prior to normalizing) ± sd</i>	<i>Avg SDSW (after normalizing) ± sd</i>
Apr 2000	42.62 ± 5.78	45.56 ± 8.97
Jul 2000	43.03 ± 0.40	40.18 ± 0.37
Sep 2000	45.72 ± 4.34	49.00 ± 3.35
Jan 2001	No SDSW run	No SDSW run
Mar 2001	52.08 ± 9.53	44.91 ± 7.31
Jul 2001	42.68 ± 4.68	44.50 ± 2.82
Sep 2001	45.10 ± 8.83	49.00 ± 9.38
Nov 2001	43.39 ± 4.74	42.93 ± 4.23
Feb 2002	39.32 ± 2.30	44.25 ± 7.39
Apr 2002	50.20 ± 6.35	46.15 ± 11.92
Jul 2002	50.03 ± 3.87	49.27 ± 4.68
Sep 2002	46.96 ± 8.16	47.32 ± 4.21
Dec 2002	43.15 ± 5.67	45.08 ± 6.08
Feb 2003	43.62 ± 2.84	42.93 ± 2.41
Apr 2003	47.28 ± 4.75	46.96 ± 6.81
Jul 2003	49.89 ± 5.50	49.32 ± 3.49
Sep 2003	52.46 ± 9.35	55.27 ± 7.77
Sep 2004	50.11 ± 6.37	47.31 ± 5.94
<b>Average</b>	<b>46.33 ± 3.89</b>	<b>46.46 ± 5.71</b>

After interpolating and normalizing the data, values were screened by calculating the coefficient of variation between triplicates. If the CV of the triplicates was > 15%, a sample value was removed if it was greater than one standard deviation away from the mean of the triplicates. Table 8 lists the average CV for triplicate values (after screening), number of values excluded after screening, and total # of samples processed for each cruise.

Table 8. Average CV between triplicate samples for each cruise (after screening), # values excluded and total # samples processed (n)

<i>Cruise</i>	<i>Avg CV ± sd</i>	<i># values excluded</i>	<i>n</i>
Sep 1997	6.46 ± 4.62	32	132
Nov 1997	6.38 ± 3.37	16	69
Aug 1998	7.14 ± 3.27	12	180
Sep 1998	5.62 ± 3.50	10	105
Apr 2000	6.20 ± 3.86	70	687
Jul 2000	5.58 ± 3.44	52	588
Sep 2000	5.86 ± 6.63	34	597
Jan 2001	3.95 ± 2.97	8	174
Mar 2001	5.19 ± 3.70	21	363
Jul 2001	5.86 ± 3.72	10	144

Sep 2001	4.77 ± 3.35	19	492
Nov 2001	5.14 ± 3.16	1	99
Feb 2002	6.69 ± 4.32	9	135
Apr 2002	4.66 ± 3.72	37	567
Jul 2002	4.77 ± 2.99	35	579
Sep 2002	5.52 ± 3.45	34	471
Dec 2002	5.29 ± 2.77	8	135
Feb 2003	4.64 ± 2.54	8	135
Apr 2003	4.74 ± 3.16	25	573
Jul 2003	5.72 ± 3.35	34	453
Sep 2003	6.03 ± 3.63	27	465
Sep 2004	4.93 ± 3.46	20	252

### *Other Missing TOC data*

Data from the following cruises has not been analyzed: September 1997 (NH 45-85), November 1997 (NH25 thru NH65, FM, CR and COC lines), January 1998 (part of NH line, all of FM line), April 1998 (parts of NH, all of FM, CR and COC lines), November 1998 (all), all cruises in 1999, and Feb 2000.

### DON and DOC calculations

Dissolved organic nitrogen (DON) was determined by subtracting PON and DIN (NH<sub>4</sub>, NO<sub>3</sub><sup>-</sup>, and NO<sub>2</sub><sup>-</sup>) values from TN values, as shown in Eq. (1).

$$(1) \quad \text{DON} = \text{TN} - \text{PON} - \text{DIN}$$

The standard deviation for DON was calculated by propagation of error using standard deviations for TN, PON, and DIN.

Dissolved organic carbon (DOC) was determined by subtracting POC values from TOC values, as shown in Eq. (2).

$$(2) \quad \text{DOC} = \text{TOC} - \text{POC}$$

The standard deviation for DOC was calculated by propagation of error using standard deviations for TOC and POC.

## Missing Data

Individual data points within data sets were deleted if the coefficient of variation remained greater than 15% after removing data points greater than one sd from the mean. Also for POM data, various points were deleted if the sample value was determined to be below the detection limit. If POC data was missing, the corresponding DOC values were not calculated (TOC data can be used as an approximation for deep water DOC values). If PON data was missing, DON values were left in if they met the following criteria: sample depth was > 50m and surrounding values were  $\leq 10\%$  of the DON values. Other miscellaneous TN and DON data was deleted if values were abnormally hi or lo according to the depth profile or expected ranges.

## Data Presentation

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 ( $^{\circ}\text{C}$ ), and salinity are also included as measured by CTD when Niskin bottles were fired (upcast). Units for POC, PON, DOC and DON are all  $\mu\text{M}$ .

## 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 Holly Corwith, Erin Clarke, Jennifer Harman, Jon Hill, Lee Karp-Boss, Nobu Kawasaki, Woody Moses, Katie Reser, Kaylene Shearing, Jim Watkins, 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).

## References

Libby, P.S., and P.A. Wheeler. 1997. *Particulate and dissolved organic nitrogen in the central and eastern equatorial Pacific*. Deep Sea Res. 44(2): 345-361.

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	3	17.58	31.64	10.17	88.48	9.33	1.36	79.16	8.56
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	4	17.52	31.82	9.04	83.14	6.24	0.95	76.90	7.95
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	10	17.38	31.92	9.22	72.68	9.90	1.44	62.78	7.70
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	15	17.32	31.92	8.82	85.49	8.40	1.35	77.09	7.28
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	21	17.16	32.07	9.11	75.03	7.19	1.02	67.84	7.77
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	25	16.92	32.14	10.36	74.55	11.76	1.22	62.78	8.52
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	35	15.86	32.37	13.43	74.85	9.50	1.20	65.36	10.62
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	40	15.67	32.43	11.50	84.68	5.08			
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	44	15.09	32.51	13.25	70.38	10.04	1.58	60.34	9.20
W9709B	9/19/97	22:23	3	NH-05	44.65	-124.18	49	14.30	32.66	20.50	72.32	15.65	2.04	56.67	15.10
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	4	17.31	31.62	8.73	109.28	5.82		103.46	
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	5	17.31	31.62	8.98	104.35	2.84		101.51	
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	10	17.29	31.62	8.79	146.90	4.79		142.11	
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	20	17.01	31.62	8.65	113.50	7.45	1.03	106.05	7.48
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	26	16.99	31.62	8.58	142.47	12.06	1.34	130.41	7.18
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	30	15.99	31.84	12.36	134.74	9.62	1.42	125.12	8.22
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	35	12.57	32.47	17.47	89.85	11.15	1.49	78.70	8.26
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	40	9.94	32.54	16.65	92.17	7.09	0.99	85.08	7.35
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	50	9.15	32.78	22.07	73.76	4.00		69.76	
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	60	9.13	33.07	27.49	75.36	4.80		70.56	9.08
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	69	9.23	33.33	31.49	74.56	4.63		69.93	9.07
W9709B	9/20/97	0:52	5	NH-15	44.65	-124.41	86	9.40	33.53	34.10	73.04	7.23		65.81	10.10
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	3	17.71	31.76	7.64	138.53	9.30	1.05	129.23	5.76
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	10	17.72	31.76	7.54		5.88	0.88		6.32
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	21	16.74	31.82	8.24	123.89	10.74	1.33	113.14	6.55
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	25	12.94	32.29	8.95	124.55	9.26	1.15	115.30	6.47
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	30	12.21	32.37	9.04	94.11	8.86	0.91	85.25	6.40
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	40	10.98	32.48	11.60	91.31	4.89		86.43	
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	50	9.79	32.72	16.75	99.65	3.73		95.92	
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	200	8.41	33.91	38.09	109.31	4.83		104.48	7.44
W9709B	9/20/97	3:14	7	NH-25	44.65	-124.65	214	8.39	33.91	37.56	68.89	5.84		63.05	7.03
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	3	17.12	31.66	7.68		8.78	1.26		6.17
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	20	17.09	31.66	7.84	134.92	9.17	1.40	125.76	6.18
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	25	16.80	31.69	7.98	115.47	11.60	1.48	103.87	6.24
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	30	15.53	31.90	8.55	133.56	9.76	1.54	123.79	6.29
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	35	11.52	32.44	8.95	113.56	3.84	0.79	109.72	6.09
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	40	11.06	32.48	9.64	105.61	7.31	0.83	98.30	5.96
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	50	10.17	32.52	12.88	94.01	6.00		88.02	
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	60	9.74	32.58	15.07	103.66				6.59
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	71	9.50	32.68	16.80	83.37				6.58
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	100	8.85	33.20	25.77	81.06				6.41
W9709B	9/20/97	6:03	8	NH-35	44.65	-124.88	406	5.85	34.04	45.25	88.88	5.64		83.24	7.27
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	5	17.54	31.67	7.57		10.58	1.41		6.16
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	10	17.54	31.67	7.39		11.49	1.32		6.06
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	20	17.50	31.67	7.90		10.51	1.45		6.43
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	30	13.79	32.20	8.64		11.29	1.49		6.31
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	36	10.77	32.48	11.02		4.85	0.82		6.43
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	40	10.26	32.52	14.19		5.16	0.77		7.10
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	50	9.87	32.65	16.93		6.90	0.76		7.12
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	59	9.01	32.68	20.37					7.95

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	70	8.83	32.77	21.27		4.24			7.96
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	101	8.62	33.52	31.90		6.39			7.82
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	500	5.32	34.09	44.32					4.02
W9709B	9/20/97	8:50	9	NH-45	44.65	-125.12	682	4.76	34.20	46.45					2.42
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	2	17.00	31.71	6.90		8.25	0.98		5.84
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	10	17.00	31.71	7.43		12.78	1.23		6.12
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	19	17.00	31.71	7.01		5.90	0.88		5.96
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	25	16.65	31.78	7.52		6.56	1.10		6.34
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	30	13.67	32.22	7.06		9.27	1.46		5.50
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	35	11.66	32.45	8.22		7.16	0.87		5.52
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	40	10.88	32.49	10.34			0.67		5.64
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	49	9.71	32.56	14.75					6.65
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	69	9.13	32.99	23.62					7.24
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	100	8.72	33.69	33.85					8.07
W9709B	9/20/97	12:35	11	NH-65	44.65	-125.6	999	3.61	34.41	52.00					9.99
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	3	17.37	31.69	7.31		7.05	0.87		6.40
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	10	17.36	31.69	7.29		5.34	0.93		6.23
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	20	17.34	31.69	7.93		5.06	0.71		7.08
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	30	11.81	32.39	8.71		9.44	1.82		5.86
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	35	11.43	32.42	9.44		6.77	1.36		6.09
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	40	10.84	32.47	10.63		4.57	0.83		6.24
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	50	10.17	32.54	13.46					7.09
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	60	9.79	32.67	16.69					7.17
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	70	9.41	32.88	20.67					7.09
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	100	8.80	33.37	29.44					7.68
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	870	3.99	34.36	50.96					8.49
W9709B	9/20/97	15:35	12	NH-85	44.65	-126.05	1006	3.65	34.41	51.83					9.13
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	2	12.38	32.47	13.99		11.62	1.99		8.01
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	4	12.38	32.47	12.23		9.83	1.80		6.45
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	10	12.38	32.47	12.13		10.32	1.34		6.82
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	15	12.37	32.48	13.28					
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	22	12.00	32.64	15.43		2.63	0.42		8.56
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	24	12.08	32.75	16.02		8.41	1.35		7.63
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	28	12.08	32.83	16.30					
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	31	12.08	32.87	14.98		5.38	0.94		6.54
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	43	11.98	33.02	16.38		3.54	0.48		8.89
W9711C	11/15/97	22:07	3	NH-05	44.65	-124.18	52	11.90	33.10	16.25		6.05	0.83		7.47
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	3	12.19	32.96	13.21		10.67	1.45		6.84
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	4	12.19	32.96	13.02		8.80	1.40		6.76
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	10	12.20	32.96	13.51		15.04	2.16		6.47
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	19	12.19	32.97	14.69		13.42	2.00		7.57
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	30	11.82	33.16	15.37		10.93	1.43		6.55
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	35	11.58	33.26	18.10		9.82	0.99		6.51
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	41	11.09	33.33	21.11		8.50	0.74		6.34
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	50	11.01	33.33	22.26		7.92	0.88		6.81
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	60	10.84	33.35	24.05		7.72	0.83		7.39
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	70	10.68	33.40	24.19		9.02	0.96		6.41
W9711C	11/16/97	0:32	5	NH-15	44.65	-124.41	88	10.35	33.48	27.36		10.11	1.11		7.26
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	4	12.15	32.91	9.87		12.67	1.57		2.58

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	10	12.16	32.91	10.69		5.18	0.81		4.16
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	15	12.16	32.91	11.43		10.37	1.43		4.27
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	19	12.15	32.92	10.72		8.92	1.59		3.34
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	31	12.09	32.97	12.44		10.86	0.84		4.91
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	39	11.57	33.20	16.12		4.22	0.65		4.61
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	100	9.86	33.66	26.34		3.42	0.41		4.07
W9711C	11/16/97	3:03	7	NH-25	44.65	-124.65	151	9.50	33.73	30.71					6.57
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	2	13.73	32.34	4.58		6.24	0.84		3.18
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	20	13.15	32.60			5.14	0.82		
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	29	11.71	33.15			7.60	1.09		
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	40	10.98	33.38			4.78	0.65		
W9711C	11/16/97	5:53	8	NH-35	44.65	-124.88	49	10.53	33.47			4.60	0.61		
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	5	12.74	32.52	8.26		10.92	1.23		4.13
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	10	12.75	32.52	8.13		12.85	1.30		3.95
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	20	12.61	32.61	8.97		14.15	1.52		4.27
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	24	11.86	32.84	13.56					
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	30	11.24	33.05	14.92		6.05	0.62		4.03
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	40	11.49	33.39	19.33		11.88	1.10		5.00
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	50	10.97	33.48	20.44		12.13	1.17		2.81
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	70	9.91	33.52	23.46		9.81	0.97		2.74
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	100	9.17	33.58	25.87		4.44	0.31		3.64
W9711C	11/16/97	8:47	9	NH-45	44.65	-125.12	151	8.73	33.85	32.77					6.55
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	3	14.01	32.28	4.35		6.04	0.75		3.37
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	11	14.01	32.28			5.93	0.79		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	20	14.01	32.28			4.15	0.60		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	29	14.01	32.27			5.74	0.75		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	41	14.01	32.27			5.43	0.54		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	50	13.54	32.30			6.59	0.79		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	60	10.80	32.59			3.97	0.67		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	70	9.86	32.77			3.52	0.43		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	101	8.95	33.27			3.46	0.34		
W9711C	11/16/97	15:33	11	NH-65	44.65	-125.6	149	7.98	33.74			5.17			
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	4	14.05	32.25	4.50		8.69	0.86		3.50
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	10	14.05	32.25	4.52		8.23	0.87		3.51
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	21	14.05	32.25	5.03		10.62	1.12		3.71
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	29	14.05	32.25	5.10		7.92	0.89		4.07
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	34	14.05	32.25	4.90		7.36	0.73		4.12
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	40	14.02	32.25	5.73		8.70	1.12		4.48
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	48	11.00	32.63	12.20		6.07	0.54		4.52
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	71	9.81	33.10	19.88		3.34	0.30		4.07
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	98	9.50	33.55	27.46		5.40	0.38		4.34
W9711C	11/16/97	20:27	12	NH-85	44.65	-126.05	152	7.90	33.83	34.58		5.83	0.26		5.69
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	2	14.42	32.75	5.95		7.03	0.76		4.67
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	10	14.42	32.76			7.12	0.81		
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	20	13.93	32.79			6.07	0.80		
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	31	13.79	32.80			6.64	0.87		
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	41	13.74	32.80			7.49	0.84		
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	51	13.71	32.80			7.46	0.87		
W9711C	11/17/97	18:31	19	FM-03	43.22	-124.5	61	13.69	32.80			7.63	0.87		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	3	14.36	32.78	5.92		6.87	0.89		4.47
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	10	14.35	32.78			6.16	0.82		
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	20	14.31	32.77			6.82	0.80		
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	31	14.34	32.78			7.23	0.77		
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	41	14.01	32.81			7.10	0.70		
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	51	13.46	32.87			5.85	0.73		
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	60	13.03	32.90			5.84	0.69		
W9711C	11/17/97	17:13	18	FM-04	43.22	-124.58	70	12.85	32.93			7.68	0.88		
W9711C	11/17/97		18	FM-04	43.22	-124.58	80	12.83	32.93			8.15	1.05		
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	4	13.68	32.58	6.60		6.96	0.80		4.84
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	10	13.68	32.58			6.51	0.77		
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	20	13.73	32.73			6.25	0.79		
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	32	13.68	32.79			5.63	0.67		
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	40	13.64	32.81			6.53	0.67		
W9711C	11/17/97	15:55	17	FM-05	43.22	-124.67	40	13.64	32.81			6.43	0.70		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	3	13.61	32.62	6.44		7.99	0.76		4.28
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	10	13.61	32.62			8.13	0.71		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	20	13.61	32.62			7.39	0.73		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	30	13.59	32.63			8.29	0.79		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	40	13.49	32.66			7.28	0.68		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	45	12.70	32.93			7.21	0.55		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	50	12.11	33.05			7.13	0.64		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	70	10.35	33.28			4.88	0.26		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	100	10.49	33.56			5.94	0.34		
W9711C	11/17/97	12:47	15	FM-07	43.22	-124.83	151	9.92	33.70			5.43	0.26		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	3	13.50	32.51	6.05		9.04	0.93		4.28
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	10	13.50	32.52			7.82	0.82		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	20	13.50	32.52			10.19	0.93		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	30	13.50	32.52			10.46	0.93		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	34	13.49	32.57			8.67	0.80		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	39	13.45	32.66			8.73	0.85		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	48	12.43	33.00			9.45	0.69		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	70	11.22	33.20			6.56	0.32		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	100	10.15	33.49			7.56	0.31		
W9711C	11/17/97	10:13	14	FM-08	43.22	-125.	150	9.15	33.83			5.84			
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	5	13.63	32.49	6.31		9.04	0.86		4.60
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	10	13.63	32.49			8.61	0.68		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	30	13.64	32.49			8.21	0.65		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	39	13.61	32.51			8.96	0.77		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	45	13.51	32.64			9.02	0.93		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	51	13.25	33.14			9.90	0.81		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	71	11.55	33.14			8.32	0.44		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	101	10.10	33.39			8.06	0.37		
W9711C	11/17/97	7:38	13	FM-09	43.22	-125.17	152	8.69	33.87			4.92	0.23		
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	0	13.34	32.56	8.73		11.99	1.46		5.42
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	10	13.51	32.80			9.76	0.89		
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	20	13.15	32.78			12.61	1.28		
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	28	13.12	32.80						
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	30	13.13	32.81						
W9711C	11/21/97	17:05	41	CR-01	41.90	-124.3	36	13.20	32.84						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	3	14.53	32.93	5.64		7.96	0.66		3.88
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	5	14.53	32.93			6.51	0.73		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	10	14.58	32.95			6.81	0.82		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	20	14.58	32.96			6.89	0.64		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	30	14.57	32.96			6.85	0.77		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	36	14.57	32.96			6.58	0.82		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	41	14.57	32.96			7.56	0.79		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	51	14.48	33.08			5.57	0.60		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	60	14.27	33.17			5.23	0.45		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	70	13.72	33.22			6.50	0.50		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	100	13.00	33.38			6.42	0.49		
W9711C	11/21/97	14:41	39	CR-03	41.90	-124.5	110	13.01	33.38			4.79	0.41		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	3	14.24	32.81	6.20		10.52	0.84		4.14
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	10	14.24	32.81			8.35	0.70		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	21	14.25	32.81			8.72	0.85		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	31	14.26	32.81			9.46	0.75		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	40	14.30	32.84			9.59	0.78		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	45	14.42	33.06			8.96	0.64		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	50	14.39	33.16			7.99	0.57		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	70	13.42	33.36			6.94	0.35		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	100	11.97	33.49			5.80	0.42		
W9711C	11/21/97	13:09	38	CR-04	41.90	-124.6	150	11.14	33.59			5.15			
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	3	14.25	32.75	5.70		13.70	1.73		3.51
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	10	14.25	32.78			11.21	1.50		
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	20	14.23	32.79			11.88	1.71		
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	30	13.94	32.88			7.78	0.89		
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	40	13.03	33.04			6.10	0.44		
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	45	12.80	33.07			6.43	0.49		
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	50	12.33	33.10			5.47	0.34		
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	70	11.50	33.49			4.67			
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	100	10.93	33.59			4.00			
W9711C	11/21/97	11:21	37	CR-05	41.90	-124.7	150	10.07	33.75			4.26			
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	3	14.45	32.47	5.40		7.66	0.70		3.98
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	10	14.46	32.47			7.27	0.77		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	20	14.45	32.47			6.79	0.67		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	29	14.43	32.48			5.33	0.60		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	34	14.29	32.54			7.56	0.65		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	39	13.86	32.61			8.41	0.59		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	50	13.24	32.74			5.22	0.43		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	68	11.96	32.81			5.68	0.40		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	101	10.55	33.22			3.86	0.25		
W9711C	11/21/97	7:45	35	CR-07	41.90	-125.	150	8.99	33.66			3.86			
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	4	14.23	32.42	5.57					
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	11	14.23	32.42						
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	20	14.23	32.42						
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	30	14.22	32.42			7.85	0.80		
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	41	14.22	32.43			6.27	0.58		
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	50	12.66	32.65			5.51	0.59		
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	70	10.05	32.88			4.55	0.34		
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	101	9.13	33.46			4.01			

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9711C	11/21/97	3:38	33	CR-09	41.90	-125.33	153	8.47	33.81			4.21	0.30		
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	3	15.54	33.24	8.49		28.53	3.55		4.26
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	5	15.56	33.25			21.56	2.31		
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	9	15.56	33.25						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	15	15.59	33.27						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	20	15.60	33.27						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	26	15.65	33.31						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	30	15.67	33.34						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	42	15.67	33.36						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	50	15.66	33.35						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	61	15.66	33.35						
W9711C	11/20/97	9:09	32	COC-02	38.65	-123.45	65	15.66	33.35						
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	4	15.76	33.31	6.01		11.47	1.03		4.57
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	5	15.76	33.31			8.85	1.00		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	11	15.76	33.31			9.02	1.04		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	15	15.76	33.31			8.31	0.81		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	20	15.77	33.32			8.20	0.74		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	30	15.76	33.32			7.43	0.74		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	40	15.69	33.33			5.74	0.54		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	46	15.50	33.36			9.05	0.53		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	52	15.32	33.37			7.06	0.69		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	61	14.71	33.42			7.54	0.79		
W9711C	11/20/97	7:46	31	COC-04	38.60	-123.51	72	14.59	33.42			9.76	0.90		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	3	15.81	33.15	4.99					
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	10	15.82	33.15			6.73	0.80		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	24	15.85	33.17			5.60	0.63		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	30	15.86	33.20			5.93	0.60		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	40	15.84	33.33			5.98	0.49		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	50	15.03	33.41			4.36	0.39		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	70	13.21	33.46			4.02	0.45		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	99	12.32	33.50			4.68	0.25		
W9711C	11/20/97	3:01	27	COC-07	38.50	-123.66	149	11.09	33.63			2.91	0.24		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	5	15.82	32.99	5.68		6.59	0.63		5.04
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	9	15.82	32.99			5.93	0.68		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	21	15.81	33.00			6.75	0.69		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	30	15.79	33.00			8.05	0.69		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	40	15.09	33.01			5.69	0.53		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	47	13.85	33.03			6.35	0.54		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	48	13.72	33.01			5.30	0.46		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	74	11.83	33.15			3.24	0.31		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	100	11.37	33.59			5.47	0.30		
W9711C	11/19/97	22:55	25	COC-09	38.40	-123.82	152	10.42	33.75			5.62	0.30		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	4	15.64	32.92	4.84		5.29	0.62		4.23
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	10	15.65	32.92			5.08	0.49		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	21	15.65	32.93			5.57	0.55		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	32	15.46	32.98			6.87	0.75		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	40	14.84	33.06			6.12	0.70		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	46	14.10	33.05			6.54	0.67		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	52	13.36	33.02			5.08	0.51		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	70	11.76	33.05			4.78	0.33		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	100	10.56	33.32			6.97	0.26		
W9711C	11/19/97	18:45	23	COC-11	38.29	-123.99	152	8.98	33.76			5.90			
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	3	16.09	33.20	4.88		5.06	0.59		4.27
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	11	16.09	33.20			6.18	0.73		
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	21	16.10	33.20			5.85	0.67		
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	30	16.10	33.20			6.64	0.62		
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	40	16.10	33.20			6.80	0.80		
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	61	12.36	33.03			5.04	0.31		
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	71	11.47	33.16			3.93	0.40		
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	102	10.26	33.46			4.18			
W9711C	11/19/97	14:07	21	COC-13	38.13	-124.24	151	8.89	33.80			3.38			
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	2	12.37	30.88	9.53	102.72	8.66	0.91	94.06	4.71
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	5	12.39	31.25	8.80	64.28	10.61	1.34	53.67	3.85
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	10	12.48	31.65	7.96	75.93	8.01	0.83	67.91	3.69
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	15	12.49	31.75	8.60		9.87	0.78		4.42
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	20	12.50	31.77	8.50	66.75	8.80	0.88	57.95	4.27
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	24	12.51	31.87	8.70		8.15	0.81		4.57
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	30	12.50	31.93	7.82	72.79	10.19	1.00	62.60	3.57
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	41	12.51	32.22	7.87		10.83	1.11		3.82
W9801B	1/30/98	22:40	3	NH-05	44.65	-124.18	50	12.53	32.42	8.16	69.52	10.28	1.03	59.24	4.10
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	2	12.09	32.77	7.26	70.56	6.52	0.76	64.04	4.24
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	2	12.09	32.77						
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	6	12.09	32.77	6.95		6.46	0.77		3.91
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	11	12.09	32.77	7.83		7.59	0.69		4.88
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	11	12.09	32.77						
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	21	12.09	32.77		61.98	6.45	0.70	55.53	
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	25	12.09	32.77	7.35		6.61	0.75		4.35
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	30	12.10	32.77	7.04		6.02	0.66		4.11
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	51	12.08	32.77	7.39					
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	51	12.08	32.77		64.79	6.21	0.65	58.59	
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	61	12.08	32.77	6.94		4.04	0.54		4.12
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	71	12.08	32.77	6.88		7.44	0.66		3.91
W9801B	1/31/98	2:21	5	NH-15	44.65	-124.41	84	12.07	32.77	7.65	70.33	8.36	0.86	61.98	4.31
W9801B	2/2/98	12:28	22	NH-15	44.65	-124.41	1	12.27	32.83						
W9801B	2/2/98	12:28	22	NH-15	44.65	-124.41	1	12.27	32.83						
W9801B	2/2/98	12:28	22	NH-15	44.65	-124.41	10	12.26	32.82						
W9801B	2/2/98	12:28	22	NH-15	44.65	-124.41	10	12.26	32.82						
W9801B	2/2/98	12:28	22	NH-15	44.65	-124.41	49	12.29	32.83						
W9801B	2/2/98	12:28	22	NH-15	44.65	-124.41	49	12.29	32.83						
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	2	11.82	32.71	9.00		12.71	0.82		5.81
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	2	11.82	32.71						
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	9	11.82	32.71			10.71	0.81		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	9	11.82	32.71						
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	30	11.82	32.71			8.77	0.86		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	39	11.79	32.70			6.39	0.61		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	51	11.81	32.71			7.55	0.72		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	69	11.72	32.69			9.40	0.85		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	84	11.91	32.82			8.80	0.82		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	99	11.73	33.08			9.08	0.63		
W9801B	1/31/98	5:40	7	NH-25	44.65	-124.65	149	10.78	33.34			10.07	0.70		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9801B	2/2/98	10:10	20	NH-25	44.65	-124.65	1	12.17	32.81						
W9801B	2/2/98	10:10	20	NH-25	44.65	-124.65	1	12.17	32.81						
W9801B	2/2/98	10:10	20	NH-25	44.65	-124.65	10	12.18	32.80						
W9801B	2/2/98	10:10	20	NH-25	44.65	-124.65	10	12.18	32.80						
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	2	11.57	32.66	7.80		7.24	0.71		4.64
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	11	11.58	32.67			10.14	0.89		
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	21	11.62	32.69			8.91	0.77		
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	31	11.62	32.69			8.69	0.83		
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	40	11.62	32.69			11.87	0.77		
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	71	11.65	32.69			12.10	0.97		
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	99	11.67	32.70			13.49	0.83		
W9801B	2/2/98	8:18	19	NH-35	44.65	-124.88	143	10.45	33.32			10.21	0.42		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	2	11.36	32.64	7.62		6.65	0.67		4.24
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	10	11.36	32.64			9.88	0.81		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	22	11.36	32.64			8.52	0.71		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	30	11.36	32.64			7.52	0.65		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	39	11.36	32.64			7.82	0.82		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	50	11.38	32.64			9.35	0.70		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	69	11.46	32.66			8.30	0.65		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	86	11.55	32.70			6.55	0.57		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	101	11.35	32.95			5.64	0.43		
W9801B	2/2/98	4:34	18	NH-45	44.65	-125.12	148	9.00	33.52			6.63	0.53		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	3	10.79	32.48	7.54		7.22	0.53		4.90
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	10	10.80	32.48			7.80	0.59		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	19	10.80	32.48			6.54	0.63		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	30	10.80	32.48			7.38	0.53		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	40	10.80	32.48			7.77	0.71		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	50	10.80	32.48			9.21	0.66		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	72	10.79	32.48			4.83	0.49		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	91	10.71	32.52			7.01	0.44		
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	101	9.45	32.99			4.88			
W9801B	2/1/98	22:07	16	NH-65	44.65	-125.6	148	8.38	33.71			8.90	0.34		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	1	10.39	32.46	9.82		8.12	0.80		5.25
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	11	10.39	32.46			10.68	1.12		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	20	10.39	32.46			9.48	0.81		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	29	10.39	32.47			10.46	0.90		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	41	10.39	32.47			9.32	0.91		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	50	10.39	32.47			11.33	1.16		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	71	10.38	32.47			10.04	0.95		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	85	10.05	32.66			11.96	1.18		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	99	9.07	33.21			5.37	0.40		
W9801B	2/1/98	18:26	15	NH-85	44.65	-126.05	149	8.13	33.67			5.61	0.36		
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	11	12.56	31.31	10.21		11.19	1.00		5.68
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	15	12.56	31.38			12.35	0.97		
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	21	12.60	31.54			14.92	1.17		
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	25	12.63	31.71			9.42	0.72		
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	30	12.64	31.78			9.45	0.69		
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	41	12.76	32.19			11.05	0.82		
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	51	12.82	32.57			10.12	0.86		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9801B	1/31/98	20:24	9	FM-03	43.22	-124.5	56	12.82	32.57			15.28	0.87		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	10	12.59	31.26	8.83		10.28	0.84		4.41
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	21	12.64	31.45			9.19	0.57		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	26	12.69	31.77						
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	30	12.72	31.89			9.30	0.53		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	41	12.80	32.25			11.49	0.88		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	51	12.80	32.44			11.84	0.81		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	60	12.81	32.57			9.35	0.81		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	71	12.77	32.81			16.98	1.02		
W9801B	1/31/98	22:19	10	FM-04	43.22	-124.58	73	12.77	32.81			12.57	0.89		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	1	12.79	32.74	7.52		16.44	0.90		3.83
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	10	12.80	32.73			10.28	0.68		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	20	12.81	32.79			12.23	0.84		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	31	12.82	32.91			9.88	0.62		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	41	12.81	32.92			14.49	0.58		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	51	12.81	32.93			10.82	0.56		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	59	12.80	32.93			8.11	0.50		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	70	12.80	32.93			8.28	0.52		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	80	12.81	32.94			11.77	0.61		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	102	12.81	32.94			8.66	0.56		
W9801B	1/31/98	23:57	11	FM-05	43.22	-124.67	129	12.79	32.97			7.74	0.49		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	2	12.55	32.96	8.70		8.72	0.69		4.66
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	11	12.56	32.96			11.01	0.84		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	20	12.57	32.97			11.32	0.88		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	31	12.58	32.97			9.21	0.77		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	41	12.58	32.97			14.38	1.09		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	50	12.59	32.97			11.73	0.80		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	71	12.60	32.98			12.49	0.90		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	86	12.60	32.99			11.97	0.89		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	101	12.57	33.02			16.75	0.94		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	121	12.48	33.07			15.15	0.93		
W9801B	2/1/98	3:38	13	FM-07	43.22	-124.83	150	10.89	33.39			7.52			
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	5	11.28	32.60	7.09		5.85	0.59		5.18
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	10	11.28	32.60			7.33	0.72		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	20	11.28	32.60			8.18	0.73		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	28	11.28	32.60			6.56	0.66		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	39	11.28	32.60			8.88	1.16		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	50	11.28	32.60			6.46	0.55		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	70	11.28	32.60			9.98	0.72		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	101	11.24	32.61			6.29	0.51		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	121	10.10	32.77			7.34	0.53		
W9801B	2/1/98	6:55	14	FM-08	43.22	-125.	150	9.34	33.33			6.96	0.29		
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	2	11.82	31.89	6.59		21.97	2.07		4.46
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	5	11.83	31.90	6.04		20.54	1.79		4.18
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	10	11.80	31.93	5.67		26.09	2.35		3.27
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	15	11.54	32.16	7.31		24.06	2.13		5.12
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	20	11.06	32.43	9.51		17.46	2.60		6.85
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	25	10.98	32.62	11.03		11.49	1.50		9.37
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	30	10.88	32.68	12.11		11.74	1.17		10.26
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	40	10.69	32.93	15.52		11.43	0.99		10.38

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9804A	4/5/98	13:16	11	NH-05	44.65	-124.18	49	10.49	33.01	17.07		15.20	1.38		8.51
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	3	11.71	32.04	9.99					
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	4	11.71	32.04						
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	10	11.70	32.04	4.34					
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	16	11.74	32.11						
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	20	11.72	32.10	4.97					
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	25	11.72	32.13						
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	30	11.47	32.42	6.12					
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	41	11.11	32.63						
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	51	10.82	32.82	11.60					
W9804A	4/10/98	19:40	46	NH-05	44.65	-124.18	54	10.76	32.85						
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	3	11.44	32.22	2.93					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	7	11.37	32.50	3.17					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	10	11.30	32.54	2.88					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	20	11.13	32.60	5.20					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	30	11.05	32.64	4.07					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	41	10.96	32.66	4.86					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	50	10.93	32.69	5.86					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	60	11.08	32.79	9.72					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	70	10.97	32.81	11.41					
W9804A	4/5/98	9:44	9	NH-15	44.65	-124.41	80			14.14					
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	2	11.64	31.49	4.17		9.54	1.05		3.09
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	4	11.64	31.53			7.94	1.05		
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	10	11.64	31.55	4.61		10.34	1.05		3.53
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	19	11.59	31.94			10.83	1.51		
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	31	11.03	32.46	6.30		9.40	1.18		4.21
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	32	10.89	32.57			9.83	1.17		
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	39	10.70	32.72			6.87	0.67		
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	50	10.06	33.00	14.46		5.36	0.48		1.94
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	60	10.00	33.02			6.12	0.43		
W9804A	4/10/98	22:58	48	NH-15	44.65	-124.41	69	9.92	33.05			6.98	0.44		
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	2	11.55	32.62	4.34		11.11	1.18		3.17
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	10	11.55	32.62	5.11		11.03	1.36		3.46
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	20	11.40	32.63	4.01		9.36	1.24		2.49
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	30	11.37	32.64	3.72		13.19	1.67		1.42
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	35	11.36	32.64	4.07		11.49	1.50		1.85
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	40	11.34	32.70	5.47		8.71	1.11		1.41
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	50	11.17	32.75	9.43		8.19	0.69		2.00
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	70	10.96	32.78	8.74		6.77	0.59		1.21
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	100	10.47	33.08	15.70		4.49	0.48		2.59
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	200			34.15					
W9804A	4/5/98	5:48	7	NH-25	44.65	-124.65	244			36.82					
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	2	11.68	32.50	3.00		6.64	0.71		1.76
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	10	11.69	32.50			10.97	1.09		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	20	11.62	32.50			8.39	0.94		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	29	11.53	32.53			7.88	0.96		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	35	11.52	32.53			7.35	0.93		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	40	11.49	32.60			10.36	1.39		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	50	11.38	32.64			10.48	1.26		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	70	11.12	32.67			7.09	0.71		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	101	10.72	32.87			6.25	0.52		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	150	8.80	33.60			7.94	0.53		
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	300	6.49	33.99			3.90			
W9804A	4/5/98	4:04	6	NH-35	44.65	-124.88	400	5.73	34.05			5.46			
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	2	12.09	32.10	2.75		8.80	1.22		1.53
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	10	11.62	32.16			8.24	1.27		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	20	11.35	32.64			12.74	1.59		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	30	11.35	32.70			15.59	2.06		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	36	11.35	32.72			9.32	1.44		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	40	11.38	32.74			7.31	0.99		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	50	11.36	32.74			7.81	0.81		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	70	11.09	32.78			8.03	0.62		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	100	10.59	33.05			7.93	0.44		
W9804A	4/5/98	0:10	5	NH-45	44.65	-125.12	150	8.97	33.65			7.43	0.65		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	10	11.01	32.67	6.12		9.90	1.31		4.73
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	20	10.97	32.69			12.92	1.46		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	30	10.95	32.69			9.70	1.03		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	40	10.96	32.69			7.49	1.02		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	45	10.95	32.69			8.09	1.09		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	51	10.94	32.69			6.32	0.82		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	70	10.91	32.71			5.35	0.70		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	100	9.76	33.32			4.94	0.47		
W9804A	4/4/98	18:29	3	NH-65	44.65	-125.6	150	8.38	33.76			6.53	0.43		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	2	11.03	32.67	3.61		7.87	0.95		1.58
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	10	11.02	32.67			6.23	0.87		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	21	11.01	32.67			10.06	1.01		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	29	10.98	32.67			9.23	1.23		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	40	10.93	32.67			11.72	1.39		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	50	10.90	32.67			7.79	1.01		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	69	10.79	32.65			7.07	0.81		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	101	10.24	32.91			6.62	0.44		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	150	8.65	33.70			7.89	0.56		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	864	3.88	34.34			7.84	0.41		
W9804A	4/4/98	15:38	2	NH-85	44.65	-126.05	1006	3.56	34.40			0.67			
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	2	12.31	31.85	9.14		25.34	2.81		3.81
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	5	11.74	32.14			17.22	2.02		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	10	11.43	32.62			13.74	1.59		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	15	10.86	32.87			13.07	1.29		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	20	10.26	33.07			11.67	1.18		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	25	10.05	33.19			9.77	0.99		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	29	9.54	33.39			11.12	0.83		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	41	9.31	33.47			8.95	0.57		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	45	9.19	33.50			8.11	0.72		
W9804A	4/6/98	0:03	15	FM-03	43.22	-124.5	49	9.17	33.50			8.39	0.70		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	2	12.20	32.07	2.90		11.63	1.22		1.62
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	5	12.19	32.07			13.16	1.32		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	10	11.77	32.33			10.29	1.13		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	20	11.80	32.56			15.75	1.85		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	30	11.50	32.62			16.55	1.94		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	36	11.34	32.64			13.73	1.53		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	40	11.30	32.67			7.97	0.83		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	45	11.21	32.71			10.17	1.01		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	50	11.03	32.75			8.56	0.78		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	60	10.47	32.96			10.75	1.04		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	70	10.04	33.17			15.05	1.52		
W9804A	4/6/98	1:30	16	FM-04	43.22	-124.58	75	9.15	33.51			9.29	0.87		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	2	12.18	31.89	2.71		8.77	1.07		1.59
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	10	11.69	32.36			11.22	1.38		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	21	11.48	32.56			4.35	0.62		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	30	11.38	32.59			10.60	1.50		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	40	11.34	32.66			3.69	0.45		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	51	11.34	32.70			7.04	1.22		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	60	11.11	32.73			5.49	0.84		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	71	10.93	32.79			9.51	1.11		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	101	8.50	33.71			8.00	0.76		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	135	7.91	33.87			6.92	0.66		
W9804A	4/6/98	3:39	17	FM-05	43.22	-124.67	147	7.91	33.87			11.28	0.83		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	2	11.63	32.44	2.90		10.16	1.18		1.71
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	9	11.39	32.58			9.63	1.42		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	20	11.36	32.60			8.84	1.14		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	26	11.30	32.61			8.09	0.95		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	30	11.30	32.64			9.59	1.10		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	40	11.29	32.67			6.30	0.76		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	50	11.25	32.70			5.62	0.55		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	71	11.00	32.82			7.45	0.72		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	101	9.65	33.45			6.50	0.69		
W9804A	4/6/98	5:33	19	FM-07	43.22	-124.83	150	8.23	33.82			5.31	0.47		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	2	11.55	32.21	2.20		10.47	0.85		1.27
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	10	11.65	32.25			8.29	0.91		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	20	11.50	32.45			12.14	1.23		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	24	11.41	32.45			11.51	1.09		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	30	11.38	32.50			12.14	1.23		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	41	11.26	32.56			10.00	0.90		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	50	11.33	32.62			6.77	0.61		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	69	11.00	32.69			6.56	0.57		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	100	10.25	33.08			5.95	0.43		
W9804A	4/6/98	7:36	20	FM-08	43.22	-125.	151	8.63	33.70			5.07	0.27		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	2	10.90	31.33	11.02		14.14	2.00		3.06
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	5	10.89	31.34			14.52	2.53		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	8	10.91	31.42			13.42	2.08		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	10	10.93	31.44			11.00	1.63		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	15	10.98	31.66			13.76	2.03		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	19	10.70	32.34			14.31	2.36		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	25	10.48	32.73			9.82	1.22		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	29	10.24	32.99			13.08	1.47		
W9804A	4/9/98	15:58	37	CR-01	41.90	-124.3	34	10.02	33.14			15.13	1.44		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	2	11.43	32.07	6.24		15.00	1.87		2.93
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	5	11.43	32.07			14.03	2.10		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	10	11.43	32.07			13.66	2.02		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	19	10.96	32.15			18.62	2.56		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	24	10.88	32.25			19.24	2.77		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	31	10.78	32.72			9.43	0.89		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	40	10.53	32.93			8.66	0.79		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	50	10.11	33.05			8.19	0.71		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	61	9.58	33.37			8.41	0.57		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	70	8.80	33.70			3.52			
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	100	8.59	33.76			9.76	0.60		
W9804A	4/9/98	14:03	35	CR-03	41.90	-124.5	117	8.57	33.76			10.68	0.83		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	2	11.56	32.31	3.75		8.59	1.23		2.36
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	10	11.55	32.31			7.69	1.02		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	20	11.54	32.34			10.93	1.22		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	29	11.52	32.37			8.31	1.22		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	35	11.51	32.40			8.31	1.26		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	40	11.50	32.43			8.00	1.07		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	51	11.44	32.49			9.29	1.08		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	70	10.82	32.82			6.59	0.91		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	99	8.90	33.63			5.58	0.40		
W9804A	4/9/98	17:58	38	CR-04	41.90	-124.6	149	7.70	33.92			7.08	0.41		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	4	11.35	32.47	4.30		8.08	1.07		3.23
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	9	11.35	32.47			8.88	0.88		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	20	11.34	32.47			9.04	1.15		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	29	11.27	32.50			7.94	0.87		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	40	11.16	32.56			6.64	0.97		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	45	11.15	32.56			7.06	0.97		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	50	11.11	32.57			5.64	0.76		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	69	10.75	32.62			3.71	0.39		
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	101	10.84	33.00			3.70			
W9804A	4/9/98	20:03	39	CR-05	41.90	-124.7	150	8.67	33.74			4.02			
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	2	11.51	32.54	9.05		21.81	2.50		6.36
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	10	11.49	32.54			13.40	1.48		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	20	11.48	32.54			11.84	1.47		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	30	11.47	32.54			10.65	1.12		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	40	11.47	32.54			11.99	1.36		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	50	11.47	32.54			9.14	1.11		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	60	11.57	32.59			7.92	0.76		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	70	11.82	32.73			7.50	0.56		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	100	11.14	32.72			8.27	0.46		
W9804A	4/9/98	23:27	41	CR-07	41.90	-125.	149	9.15	33.49			5.56			
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	3	12.05	32.80	13.54		9.98	1.02		12.25
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	10	12.05	32.80			9.30	1.01		
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	19	12.05	32.80			10.67	1.10		
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	40	12.06	32.80			7.86	0.90		
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	51	12.06	32.80			9.65	0.92		
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	70	11.94	32.87			5.93	0.49		
W9804A	4/10/98	2:58	43	CR-09	41.90	-125.33	101	11.12	33.13			6.80	0.62		
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	1			9.49					
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	5								
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	15								
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	20								
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	31	11.37	33.18			8.83	0.89		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	41	11.19	33.24			12.52	1.00		
W9804A	4/7/98	12:39	22	COC-02	38.65	-123.45	71	10.12	33.61			16.76	1.91		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	2	11.72	33.03	10.35		8.34	0.99		2.90
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	5	11.72	33.03			12.23	1.53		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	10	11.71	33.03			12.25	1.51		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	25	11.58	33.10			15.83	2.14		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	30	11.39	33.16			9.47	1.19		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	40	11.08	33.27			6.98	0.61		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	51	10.91	33.34			4.79	0.32		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	61	10.46	33.48			5.43	0.37		
W9804A	4/7/98	15:34	23	COC-04	38.60	-123.51	101	9.62	33.71			7.22	0.65		
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	10	12.11	32.82	7.30		13.18	1.98		3.85
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	20	12.11	32.82			5.89	0.64		
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	31	12.11	32.89			4.68	0.27		
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	41	11.58	33.20			7.67	0.68		
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	49	11.27	33.23			5.76			
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	70	10.14	33.56			4.83			
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	99	9.57	33.68						
W9804A	4/7/98	17:35	24	COC-05	38.58	-123.56	125	9.04	33.82			5.98	0.30		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	3	12.49	32.80	3.70		6.75	0.82		2.60
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	10	12.49	32.80			7.61	0.87		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	20	12.47	32.79			8.00	0.96		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	30	12.47	32.79			6.81	0.85		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	41	12.47	32.80			7.47	0.95		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	51	12.48	32.81			8.78	0.93		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	71	11.85	33.27			5.03	0.42		
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	98	9.99	33.55			3.96			
W9804A	4/7/98	19:31	26	COC-07	38.50	-123.66	151	9.03	33.84			3.66			
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	3	12.64	32.82	2.66		8.58	0.77		1.83
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	10	12.64	32.82			10.65	0.92		
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	19	12.63	32.82			9.81	0.93		
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	29	12.64	32.82			9.36	0.84		
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	39	12.61	32.82			8.06	0.84		
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	50	12.60	32.82			8.04	0.74		
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	70	12.02	33.07			5.27	0.40		
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	80	11.18	33.24			3.37			
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	101	10.08	33.54			5.61			
W9804A	4/8/98	0:07	28	COC-09	38.40	-123.82	150	8.63	33.89			2.64			
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	3	12.62	32.81	2.91		8.32	0.95		1.60
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	10	12.62	32.81			7.42	0.83		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	19	12.62	32.81			8.07	0.95		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	29	12.62	32.81			6.24	0.75		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	41	12.62	32.81			8.06	0.78		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	50	12.62	32.81			10.57	0.77		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	60	12.62	32.81			9.71	0.87		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	70	12.47	32.87			5.47	0.50		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	99	10.14	33.35			4.47	0.35		
W9804A	4/8/98	3:56	29	COC-11	38.29	-123.99	151	8.70	33.77			3.71			
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	0	10.30	33.24	20.82	95.95	39.15	5.30	56.80	7.11

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	5	10.40	33.23	21.39	81.69	57.18		24.51	
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	10	10.20	33.25		74.01	34.41	4.38	39.60	
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	15	9.80	33.29	25.96	69.15	10.95	1.38	58.20	0.71
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	20	8.80	33.37	28.16	61.09	13.30	1.19	47.79	5.48
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	25	8.20	33.61	29.54	56.53	8.80	1.09	47.73	1.81
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	30	8.00	33.69	31.66	53.13	8.70	0.86	44.43	1.89
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	40	7.80	33.81	33.86	63.10	19.17		43.93	
W9808A	8/6/98	20:36	3	NH-05	44.65	-124.18	52	7.80	33.81	35.49	72.22	28.21	1.93	44.01	3.07
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	0	12.00	32.42	13.32	121.38	52.05	6.68	69.34	4.30
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	5	11.60	32.54		128.66	74.98	11.63	53.69	
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	10	11.50	32.60		114.66	79.96	14.27	34.70	
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	20	9.60	32.55	14.34	68.80	13.30	1.54	55.50	2.94
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	30	8.90	32.79	16.34	79.05				
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	50	8.80	33.27		55.98				
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	60	8.50	33.56		54.52	17.30		37.22	
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	70	8.40	33.66		61.28	12.16		49.12	
W9808A	8/7/98	9:29	7	NH-15	44.65	-124.41	85	7.90	33.79		99.39	37.62		61.77	
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	0	14.50	31.82	8.69	83.12	13.80	1.36	69.32	5.24
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	10	14.30	31.86	7.47	69.77	16.50	1.89	53.27	3.41
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	20	10.40	32.50	7.93	66.98	13.40	1.80	53.58	3.56
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	25	10.20	32.54	9.83	58.96	5.73	0.78	53.23	5.19
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	30	9.90	32.56	12.19	71.06		1.08		5.42
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	40	9.40	32.61	15.47	58.67	7.50		51.17	
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	50	9.10	32.78	18.06	62.53	12.50		50.03	
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	70	8.70	33.34	28.87	56.90	2.84		54.06	
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	100	8.10	33.70	34.58	55.58	7.42	0.60	48.16	5.22
W9808A	8/7/98	6:20	5	NH-25	44.65	-124.65	200	7.40	33.95		78.17	11.39	1.06	66.78	
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	0	15.20	31.60	9.91	88.33	22.80	2.95	65.53	6.46
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	10	15.20	31.61			15.60	1.58		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	20	11.60	32.28			11.70	1.43		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	25	10.80	32.43			10.50	1.34		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	30	10.40	32.50			13.60	2.04		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	40	9.90	32.55			14.00	0.97		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	50	9.60	32.58			4.50			
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	70	9.40	33.03			5.50			
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	100	8.40	33.51			7.75	0.79		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	150	7.90	33.89			8.08	0.69		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	235	7.20	33.97			6.99	0.97		
W9808A	8/7/98	11:35	8	NH-35	44.65	-124.88	410	6.00	34.02			8.85	0.87		
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	0	15.80	31.29	8.16	93.11	24.60	1.48	68.51	6.36
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	20	10.60	32.49			12.30	1.09		
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	25	10.10	32.54			8.72	1.12		
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	30	10.00	32.55			10.50	1.50		
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	40	9.60	32.59			8.50	0.84		
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	50	9.40	32.70			7.80			
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	70	8.80	33.41			6.60			
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	150	7.50	33.93						
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	500	5.70	34.06						
W9808A	8/7/98	13:40	9	NH-45	44.65	-125.12	680	4.60	34.21			6.09	0.57		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	0	16.80	30.76	7.40	80.47	10.04	1.16	70.43	5.93

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	10	16.70	30.83			7.37	0.89		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	20	13.60	32.22			4.70	0.66		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	30	10.90	32.62			5.60	0.65		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	40	10.60	32.61			4.80	0.67		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	45	10.30	32.59			12.50	0.90		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	50	9.80	32.57			17.60	0.98		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	70	9.20	32.89			12.30			
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	100	8.90	33.53			20.20			
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	150	8.10	33.83			4.96	0.60		
W9808A	8/7/98	18:45	11	NH-65	44.65	-125.6	1005	3.50	34.43			8.87	0.92		
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	0	17.50	31.46	6.79	69.23	10.10	0.94	59.13	5.72
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	20	15.80	31.80			6.90	0.85		
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	30	12.70	32.41			14.96	0.73		
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	40	11.20	32.56			3.90	0.56		
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	50	10.90	32.59			6.90	0.70		
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	60	10.30	32.59			6.10			
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	70	9.90	32.58			11.89			
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	100	9.40	33.10			4.06			
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	150	8.00	33.79			12.78	0.43		
W9808A	8/7/98	22:32	12	NH-85	44.65	-126.05	1000	3.50	34.41						
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	0	10.10	33.56	26.68	89.75	47.52	6.61	42.23	7.80
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	5	10.00	33.56			40.93	5.63		
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	10	9.70	33.55			60.20	10.21		
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	15	9.60	33.54			61.33	10.01		
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	20	9.40	33.56			16.09	2.76		
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	25	8.90	33.61			4.71	1.38		
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	30	8.70	33.72			15.39	1.14		
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	40	8.60	33.79			10.03			
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	50	8.50	33.83			6.53			
W9808A	8/8/98	19:41	19	FM-03	43.22	-124.5	60	8.50	33.83			17.11	1.30		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	0	10.58	33.35		94.48	73.21	11.70	21.27	
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	5	10.58	33.35			44.35	6.34		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	8	10.24	33.36			54.59	9.16		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	10	10.20	33.37			28.04	4.28		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	20	9.58	33.47			15.73	1.94		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	29	9.05	33.56			11.58			
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	40	9.08	33.68			11.65	1.26		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	50	8.63	33.78			28.52	1.65		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	59	8.45	33.83			7.75	1.18		
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	70	8.40	33.86			13.68			
W9808A	8/8/98	18:15	18	FM-04	43.22	-124.58	77	8.40	33.86			10.94	1.37		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	0	11.50	33.23	11.41	65.04	21.90	2.84	43.14	5.67
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	10	11.40	33.23			24.82	3.40		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	15	11.50	33.23			12.25	1.44		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	20	11.40	33.23			14.01	1.73		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	30	10.50	33.28			11.04	1.22		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	40	9.60	33.41			13.58	1.05		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	50	8.80	33.60			9.88	0.47		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	60	8.80	33.72			10.67	0.57		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	70	8.70	33.77			16.45	0.69		
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	100	8.40	33.87			6.61			

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/8/98	16:36	17	FM-05	43.22	-124.67	140	8.20	33.92			14.81	1.42		
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	0	12.00	33.01		60.43	17.61	2.75	42.81	
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	10	11.80	33.06			10.70	1.38		
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	15	11.40	33.02			16.19	2.48		
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	20	9.40	33.00			18.72	2.51		
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	30	9.20	33.32			5.84	0.44		
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	40	9.00	33.51			7.01			
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	51	8.90	33.66			4.99			
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	70	8.80	33.73			8.52			
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	100	8.60	33.84			7.91			
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	152	8.00	33.99			7.18	0.46		
W9808A	8/8/98	13:58	15	FM-07	43.22	-124.83	250	7.60	34.02			5.26	0.44		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	0	12.10	32.82	9.00	58.66	13.32	1.31	45.34	7.35
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	10	12.10	32.82			17.40	2.44		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	20	12.00	33.03			12.63	1.31		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	25	10.90	32.87			11.41	0.99		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	30	10.80	32.91			8.94	0.95		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	40	9.30	33.06			4.08			
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	49	9.20	33.28			3.66	0.57		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	70	9.10	33.67			6.30			
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	100	8.80	33.77			9.06			
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	150	8.30	33.95				0.49		
W9808A	8/8/98	11:20	14	FM-08	43.22	-125.	1005	3.70	34.41				0.47		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	0	12.70	32.93	10.56	63.66	9.20	1.52	54.46	8.64
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	10	12.70	32.95			18.40	2.70		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	20	12.40	33.04			19.40	2.88		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	30	11.80	33.19			20.70	2.79		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	40	11.10	33.26			13.80	1.24		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	50	9.40	33.18			19.00	1.33		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	70	9.30	33.45						
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	85	9.00	33.62						
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	100	8.70	33.66			5.60			
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	150	8.10	33.94			8.69	0.49		
W9808A	8/8/98	8:07	13	FM-09	43.22	-125.17	1005	3.60	34.42		37.45		0.46		
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	0	11.60	33.43	16.69	68.39	11.38	1.83	57.01	8.50
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	5	10.90	33.45			16.35	2.21		
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	10	10.40	33.46			14.37	1.91		
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	15	10.10	33.49			15.04	1.43		
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	20	9.80	33.55			19.38	1.96		
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	25	9.60	33.60			11.84	1.47		
W9808A	8/9/98	20:09	29	CR-01	41.90	-124.3	37	9.30	33.69			10.89	0.79		
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	0	12.20	32.75	5.12	63.21	7.86	1.10	55.35	1.95
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	5	12.20	32.75			11.55	1.61		
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	17	11.10	32.78			13.18	1.19		
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	20	10.50	32.89			9.19	0.79		
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	30	10.00	33.08			6.17	0.56		
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	40	9.70	33.23			15.24	0.73		
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	50	9.50	33.37						
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	60	9.30	33.48			3.59			
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	70	9.10	33.60			10.41	0.51		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/9/98	16:59	27	CR-03	41.90	-124.5	100	8.60	33.86						
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	0	12.60	32.71	3.72			0.89		1.97
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	10	12.20	32.72			9.81	1.51		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	20	12.10	32.74				1.00		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	25	11.80	32.82			6.49	0.94		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	30	11.80	33.05			5.83	0.84		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	40	10.10	32.92			9.75	0.80		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	50	9.70	33.19			6.23	0.52		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	70	9.30	33.46			5.89			
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	100	8.80	33.74			13.01			
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	150	8.20	33.92			11.83	0.58		
W9808A	8/9/98	14:42	26	CR-04	41.90	-124.6	460	5.70	34.11			20.78	0.53		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	0	13.60	32.65	3.20	84.69	11.10	1.04	73.59	1.42
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	10	13.60	32.65			6.93	0.88		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	20	13.40	32.65			7.84	0.75		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	30	13.20	32.79			7.04	0.78		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	40	12.00	33.16			6.64	0.74		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	47	11.10	33.26			8.15	1.16		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	50	10.90	33.27			8.85	0.61		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	70	9.70	33.42			8.21	0.61		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	100	8.80	33.70						
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	150	7.90	33.90			8.09	0.37		
W9808A	8/9/98	13:17	25	CR-05	41.90	-124.7	510	5.30	34.15			9.13	0.37		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	0	13.70	32.82		74.45	14.25	2.12	60.19	
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	10	13.70	32.82			9.71	1.32		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	20	13.70	32.82			10.12	1.28		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	30	11.20	32.77			16.35	1.88		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	40	11.00	33.25			14.89	1.86		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	50	9.90	33.25			10.25	0.81		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	70	9.70	33.55			10.99	0.61		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	100	8.80	33.73						
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	150	8.10	33.90			18.91	0.54		
W9808A	8/9/98	9:25	23	CR-07	41.90	-125.	780	4.20	34.34						
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	0	13.50	32.81		78.36	23.09	3.12	55.28	
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	10	12.70	32.81			22.52	3.11		
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	20	11.90	32.81			17.65	2.58		
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	30	11.40	32.64			8.75	1.11		
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	40	10.00	32.78			6.19	0.75		
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	50	9.80	33.05						
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	70	9.80	33.36						
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	100	9.10	33.69						
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	150	8.10	33.89			6.96	0.51		
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	750	4.20	34.31				0.28		
W9808A	8/9/98	5:00	21	CR-09	41.90	-125.33	1005	3.60	34.42				0.75		
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	0	12.90	33.36	16.97	98.49	36.16	4.99	62.34	8.44
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	5	12.90	33.37			39.80	6.67		
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	10	11.70	33.50			28.38	3.78		
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	15	11.00	33.53			53.70	6.36		
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	20	10.40	33.60			31.14	4.77		
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	25	10.20	33.61			42.25	5.14		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	30	10.00	33.64			13.88	2.41		
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	40	9.20	33.78						
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	50	8.90	33.84						
W9808A	8/10/98	2:25	30	EU-01	40.87	-124.27	55	8.90	33.85						
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	0	11.60	33.13	15.95	70.21	6.38	1.03	63.83	9.09
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	5	11.60	33.13			10.90	1.60		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	10	11.20	33.18				0.92		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	20	10.40	33.25				0.90		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	25	10.20	33.24			8.13	0.82		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	30	10.10	33.30			6.02	0.87		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	40	9.70	33.56			6.87	0.43		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	50	9.40	33.68						
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	60	9.00	33.79				0.48		
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	70	8.90	33.82						
W9808A	8/10/98	3:47	31	EU-02	40.87	-124.37	105	8.50	33.91			20.12	1.01		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	0	12.10	33.11	17.41	67.09	13.60	2.08	53.48	7.49
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	10	11.90	33.11			14.77	2.21		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	20	11.10	33.19			11.22	2.03		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	25	10.80	33.33			11.76	1.92		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	30	10.60	33.46			12.43	1.86		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	40	10.00	33.54			10.24	1.66		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	50	9.50	33.63			8.35	1.19		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	70	9.30	33.80			5.94			
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	100	9.00	33.86						
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	150	8.60	33.95			6.65	0.44		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	325	6.40	34.08			9.27	0.29		
W9808A	8/10/98	5:32	32	EU-03	40.87	-124.47	350	6.20	34.09			7.52	0.42		
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	0	13.60	32.92	13.02	77.52	16.02	1.89	61.50	6.63
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	10	12.80	32.93			12.95	1.79		
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	20	11.80	33.14			16.51	1.92		
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	30	10.60	33.40			14.02	1.62		
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	40	10.10	33.52			7.75	1.23		
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	50	9.90	33.64			5.07			
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	70	9.50	33.73						
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	100	9.00	33.86			4.79			
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	150	8.70	33.93				0.62		
W9808A	8/10/98	9:07	34	EU-05	40.87	-124.67	710	4.50	34.29				0.55		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	0	13.80	32.65	7.83	62.55	0.16	2.14	62.39	5.66
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	10	13.80	32.65			4.34	1.96		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	20	12.20	32.76			8.06	1.92		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	25	11.80	32.78			7.36	1.88		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	30	11.20	32.81			5.04	1.52		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	40	11.00	32.83			7.65	1.46		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	50	10.80	32.87			9.40	1.29		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	70	10.40	33.03			10.72	1.03		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	100	9.30	33.57			22.20	0.85		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	199	7.90	33.98				0.38		
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	316	6.50	34.06			5.44			
W9808A	8/10/98	12:39	36	EU-07	40.87	-124.93	1000	3.70	34.42						
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	0	11.00	33.63	30.60	55.14	9.60	0.89	45.55	7.21



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	5	10.90	33.63			10.40	1.09		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	10	10.60	33.65			8.43	1.03		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	15	10.30	33.69			12.11	1.07		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	30	10.00	33.72			12.91	0.74		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	40	10.00	33.73			4.09	1.01		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	50	9.90	33.76			13.59	1.13		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	60	9.80	33.77			5.79	1.10		
W9808A	8/11/98	2:25	37	COC-02	38.65	-123.45	72	9.80	33.78			6.79	1.40		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	0	10.90	33.68	32.20		7.92	1.05		7.71
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	10	10.80	33.68			9.01	1.17		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	20	10.20	33.70			6.79	1.07		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	30	10.00	33.74			8.31	0.99		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	40	9.60	33.80			9.66			
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	50	9.60	33.81			9.25			
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	60	9.60	33.83				0.98		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	70	9.50	33.86				0.97		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	90	9.40	33.88			9.79	0.97		
W9808A	8/11/98	3:55	38	COC-04	38.60	-123.51	102	9.40	33.89						
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	0	10.60	33.72	33.99	55.65	8.25	1.15	47.40	6.90
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	10	10.60	33.72			14.59	1.34		
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	20	10.50	33.72			8.52	1.18		
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	30	10.20	33.73			13.73	1.22		
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	35	10.10	33.73			16.64	1.15		
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	40	10.10	33.74			11.69	1.09		
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	50	9.80	33.78			6.97			
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	70	9.40	33.88			9.71			
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	85	9.30	33.89			10.79			
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	100	9.30	33.90			22.10			
W9808A	8/11/98	5:36	39	COC-05	38.58	-123.56	130	9.10	33.95			39.93			
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	0	12.10	33.31	13.40	52.79	12.20	1.83	40.59	2.49
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	10	12.10	33.31			9.90	1.47		
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	20	12.10	33.31			10.60	1.34		
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	30	11.70	33.38			15.75	1.42		
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	40	11.60	33.40			11.81	1.33		
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	50	10.50	33.60			7.61			
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	70	10.10	33.79			6.50			
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	100	9.80	33.87			6.67			
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	150	9.40	33.96			12.29			
W9808A	8/11/98	8:01	41	COC-07	38.50	-123.66	414	6.70	34.10				0.80		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	0	12.60	33.31	13.40	57.79	18.66	2.56	39.13	2.39
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	10	12.60	33.31			26.19	2.86		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	20	12.60	33.31			40.16	2.84		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	30	12.50	33.32			59.52	3.99		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	40	12.20	33.36			38.66	2.86		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	50	11.50	33.48			12.24	1.91		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	60	11.00	33.54			9.17	1.12		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	70	10.20	33.71			7.66	0.98		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	100	9.70	33.85			6.23			
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	150	9.40	33.93			7.48			
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	670	4.70	34.22				0.49		
W9808A	8/11/98	11:51	43	COC-09	38.40	-123.82	1006	3.90	34.43			6.34	0.47		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	0	12.50	33.40	13.40	52.38	10.91	1.74	41.47	0.42
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	10	12.50	33.40			19.89	2.26		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	15	12.50	33.40			11.79	1.84		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	20	12.50	33.40			12.18	1.72		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	30	11.70	33.41			14.07	1.59		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	40	11.20	33.51			18.80	1.10		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	50	10.80	33.57			7.67	0.94		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	70	10.40	33.69			16.17	0.94		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	100	9.80	33.82			18.41	1.02		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	150	9.10	33.94			7.87	0.77		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	800	4.50	34.36			9.84	0.40		
W9808A	8/11/98	14:34	44	COC-11	38.29	-123.99	1001	3.90	34.44			12.08	0.47		
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	0	10.20	32.89	24.19	83.89	21.46	2.10	62.43	6.24
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	10	9.40	32.96	24.87	87.16	13.44	1.28	73.72	5.90
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	15	9.10	33.10	25.30	82.10	22.63	1.45	59.47	6.25
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	20	9.10	33.23	28.80	80.17	15.50	0.97	64.67	5.40
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	30	9.00	33.40	31.33	82.69	12.74	1.06	69.95	6.67
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	40	8.80	33.70	35.73	68.04	9.04	1.17	59.00	6.37
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	47	8.50	33.73	37.69	66.98				
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	50	8.50	33.73	37.99	60.01				
W9809A	9/24/98	20:06	3	NH-05	44.65	-124.18	55	8.50	33.73	38.89	57.84				
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	0	14.00	31.95	8.20	79.91	24.61	3.12	55.30	4.96
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	10	14.20	31.96	10.60	75.41	19.08	2.39	56.33	6.74
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	20	10.00	32.50	13.42	64.53	11.73	1.06	52.80	6.11
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	29	9.50	32.64	17.10	62.59	11.04	0.94	51.55	6.77
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	39	9.10	32.73	18.21	64.60	7.14	0.88	57.46	6.17
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	49	8.90	32.88	20.43	69.60	10.59	0.77	59.01	2.46
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	61	8.80	33.13	24.96	64.06	12.24	0.79	51.83	6.96
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	70	8.80	33.28	28.76	59.44	6.52	0.68	52.92	6.19
W9809A	9/24/98	23:03	5	NH-15	44.65	-124.41	84	8.40	33.65	34.53		8.27	0.82		6.89
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	0	15.20	32.17		84.16	11.98	1.27	72.18	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	10	15.20	32.17		83.63	7.97	1.15	75.66	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	15	14.40	32.22		82.55	11.67	1.36	70.88	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	20	11.50	32.44		72.72	10.99	1.04	61.74	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	30	10.50	32.55		72.59	8.78	0.73	63.81	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	40	9.80	32.60		69.87	4.79	0.53	65.08	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	50	9.50	32.63		65.51	9.31		56.20	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	70	8.90	32.88		67.41	8.17		59.24	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	149	8.20	33.81		89.21	5.34		83.87	
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	200	7.70	33.95		53.95				
W9809A	9/25/98	1:51	7	NH-25	44.65	-124.65	210	7.70	33.96		62.20	2.99		59.21	
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	0	16.00	32.03		80.82	6.64	1.28	74.17	
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	10	16.00	32.03			5.60	0.99		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	20	15.00	32.01			8.46	1.39		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	25	14.00	32.21			8.16	1.70		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	30	12.50	32.41			6.35	1.04		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	40	10.80	32.53			4.02	0.72		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	50	10.00	32.57			2.92	0.63		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	70	9.40	32.74			3.05			
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	100	9.00	33.37			1.80			

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	150	8.10	33.86			3.83	0.72		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	275	7.20	33.99			3.53	0.55		
W9809A	9/25/98	3:50	8	NH-35	44.65	-124.88	430	5.30	34.09			3.13	0.54		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	0	16.30	31.98	6.75	83.81	14.51	1.77	69.30	4.84
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	10	16.30	31.98			11.57	1.26		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	20	16.00	32.00			6.60	0.76		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	27	14.40	32.30			11.20	1.51		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	30	13.40	32.42			13.60	2.27		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	40	11.60	32.52			6.64	1.14		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	50	10.40	32.57			3.83	0.94		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	70	9.60	32.70			4.28	0.83		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	100	8.90	33.32			3.83	0.70		
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	150	8.10	33.85						
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	500	5.20	34.10						
W9809A	9/25/98	5:39	9	NH-45	44.65	-125.12	580	4.80	34.16						
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	0	16.20	32.06	6.41	72.53	5.27	0.46	67.25	5.75
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	10	16.20	32.06			10.49	1.34		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	20	15.80	32.07			6.22	0.57		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	30	13.50	32.26			11.35	1.50		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	35	12.00	32.47			7.65	0.97		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	40	11.20	32.58			4.52	0.40		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	50	10.50	32.59			4.87	0.44		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	70	9.80	32.78			4.38	0.38		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	100	9.00	33.47			4.55	0.34		
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	150	8.10	33.86						
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	820	4.00	34.32						
W9809A	9/25/98	10:11	11	NH-65	44.65	-125.6	1000	3.60	34.41						
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	0	17.70	31.91	5.98	74.41	8.37	0.87	66.03	5.11
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	10	17.70	31.91			10.20	1.06		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	20	14.80	32.18			10.31	1.05		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	25	12.40	32.32			7.54	0.97		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	30	11.20	32.44			8.75	0.94		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	40	10.30	32.55			7.42	0.52		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	50	9.70	32.62			5.22	0.43		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	70	9.00	32.96			7.27	0.34		
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	100	8.10	33.72						
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	150	7.90	33.94						
W9809A	9/25/98	13:24	12	NH-85	44.65	-126.05	999	3.60	34.40						
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	0	12.20	32.25			8.37	1.27		
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	5	12.20	32.26			8.09	1.29		
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	10	12.20	32.28			7.93	1.21		
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	15	12.20	32.28	9.56		12.25	1.38		5.60
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	20	12.10	32.30	9.33		9.02	1.19		5.75
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	25	12.20	32.32	10.04		10.27	1.04		6.60
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	30	12.20	32.33	9.49		10.88	1.47		5.63
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	40	12.20	32.35			5.64	0.86		
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	50	12.00	32.46			10.75	1.18		
W9811A	11/16/98	21:33	3	NH-05	44.65	-124.18	55	11.40	32.81			10.75	1.20		
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	0	13.00	32.37			11.09	1.25		
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	5	13.00	32.37			11.51	1.30		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	10	13.00	32.37			5.86	0.77		
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	20	13.00	32.36	21.01		8.42	1.08		19.46
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	30	12.30	32.45	23.18		4.89	0.57		21.95
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	40	10.30	32.99	22.14		4.12	0.49		10.31
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	50	9.90	33.15	22.92		6.09	0.58		5.76
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	60	9.90	33.18	23.54		5.86	0.53		5.70
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	70	9.80	33.23	26.89		4.97	0.51		8.87
W9811A	11/17/98	1:10	5	NH-15	44.65	-124.41	80	9.80	33.25			7.16	0.59		
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	0	12.80	32.40			5.99	0.86		
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	10	12.80	32.40	7.95		4.97	0.82		6.87
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	20	12.80	32.40	9.33		7.45	1.01		8.06
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	30	12.80	32.40	11.62		6.09	0.93		10.43
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	40	12.80	32.40	16.30		5.02	0.85		15.00
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	45	12.50	32.43	15.59		4.13	0.70		12.56
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	50	11.50	32.53	19.94			0.37		13.01
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	70	9.60	33.04	31.59					16.81
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	100	9.00	33.55	33.31		3.17	0.39		7.93
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	150	8.40	33.85	38.74					9.76
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	200	7.60	33.92						
W9811A	11/17/98	4:43	7	NH-25	44.65	-124.65	288								
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	0	12.80	32.36			5.73	0.84		
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	10	12.80	32.36			5.49	0.85		
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	20	12.80	32.36			6.43	0.90		
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	30	12.80	32.36			5.50	0.80		
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	40	11.10	32.56			3.13	0.45		
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	50	10.30	32.67			2.79			
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	70	9.60	32.92			2.82			
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	100	8.90	33.65			2.54			
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	150	8.20	33.82						
W9811A	11/17/98	7:11	8	NH-35	44.65	-124.88	420	5.50	34.07						
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	0	12.90	32.33	13.62		4.58	0.92		12.51
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	10	12.90	32.34			5.15	0.86		
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	20	12.90	32.36			5.28	0.98		
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	30	13.00	32.37			6.55	1.06		
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	40	12.10	32.44			3.79	0.66		
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	50	10.20	32.67			2.89	0.49		
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	70	9.60	33.20						
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	100	9.10	33.59						
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	150	8.40	33.86						
W9811A	11/17/98	8:52	9	NH-45	44.65	-125.12	500	5.20	34.13						
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	0	12.90	32.27	14.61		5.87	0.86		13.68
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	10	12.90	32.27			4.95	0.62		
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	20	12.90	32.27			6.83	0.75		
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	31	12.90	32.27			5.87	0.83		
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	36	12.80	32.29			4.24	0.58		
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	41	12.80	32.29			8.04	0.93		
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	50	9.90	32.61			5.31	0.46		
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	69	9.80	32.92			3.40			
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	102	8.80	33.46			4.22			
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	148	7.90	33.84						
W9811A	11/17/98	14:04	11	NH-65	44.65	-125.6	1006	3.60	34.42						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	0	13.70	32.51	6.26		4.82	0.75		5.50
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	10	13.70	32.53			4.92	0.74		
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	20	13.70	32.53			5.43	0.82		
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	30	13.70	32.53			4.25	0.61		
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	40	13.70	32.53			4.87	0.79		
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	45	13.70	32.53			5.92	0.73		
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	51	13.60	32.52			3.63	0.56		
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	70	9.80	33.02			4.09			
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	101	8.50	33.40			2.68			
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	149	7.90	33.88						
W9811A	11/17/98	17:42	12	NH-85	44.65	-126.05	1005	3.50	34.42						
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	0	11.70	32.80			10.15	1.43		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	5	11.70	32.80			9.78	1.50		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	10	11.70	32.80			9.45	1.62		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	15	11.80	32.81			8.57	1.42		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	20	11.80	32.86			8.37	1.46		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	25	11.80	33.00			7.07	1.42		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	29	11.80	33.00			8.25	1.35		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	40	11.40	33.07			8.00	1.14		
W9811A	11/18/98	14:11	20	FM-03	43.22	-124.5	49	10.90	33.22			7.40	1.02		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	0	11.80	32.92			5.62	1.02		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	10	11.80	32.94			6.75	1.09		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	16	11.60	33.06			6.65	1.16		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	19	11.50	33.11			5.24	0.94		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	29	11.60	33.20			5.03	0.83		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	40	11.40	33.23			4.43	0.80		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	50	11.40	33.25			6.30	0.68		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	61	10.50	33.38			6.97	0.80		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	72	10.40	33.41			8.07	1.02		
W9811A	11/18/98	12:44	19	FM-04	43.22	-124.58	75	10.30	33.43			7.60	0.86		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	0	12.00	32.87			7.32	1.36		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	10	12.00	32.88			7.79	1.40		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	20	11.80	32.94			5.32	1.03		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	25	11.70	32.95			6.60	1.20		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	30	11.70	32.95			5.28	1.06		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	40	11.60	33.08			4.21	0.90		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	50	10.70	33.42				0.46		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	60	10.20	33.47				0.46		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	70	10.10	33.52				0.45		
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	100	9.60	33.67			2.80			
W9811A	11/18/98	11:01	18	FM-05	43.22	-124.67	150	8.80	33.79						
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	0	12.50	32.38			3.30	0.72		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	10	12.30	32.43			3.76	0.99		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	20		32.70			2.75	0.71		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	25	12.00	32.74			3.51	0.70		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	30	12.00	32.81				0.61		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	40	11.40	33.13				0.71		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	50	10.90	33.38				0.58		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	70	10.40	33.46			3.17	0.66		
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	100	9.50	33.67						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9811A	11/18/98	8:17	16	FM-07	43.22	-124.83	335	6.10	34.03						
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	0	13.40	32.39			5.69	0.76		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	10	13.40	32.39			6.49	0.84		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	20	13.30	32.39			5.17	0.69		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	30	13.20	32.39			6.88	0.86		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	35	13.20	32.39			5.89	0.75		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	40	12.90	32.46			4.82	0.64		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	50	11.00	32.87			4.14	0.55		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	70	9.80	33.46			2.95	0.34		
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	100	9.20	33.63			2.72			
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	150	8.60	33.90						
W9811A	11/18/98	5:55	15	FM-08	43.22	-125.	1005	3.60	34.42						
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	0	13.40	32.39			7.86	1.03		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	10	13.40	32.39			5.92	0.75		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	20	13.40	32.39			6.23	0.81		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	30	13.30	32.39			5.71	0.78		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	35	13.30	32.39			6.57	0.81		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	40	13.10	32.40			5.82	0.75		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	50	10.80	32.55			3.99	0.51		
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	70	10.00	32.86			2.86			
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	100	9.40	33.47			3.57			
W9811A	11/18/98	3:12	14	FM-09	43.22	-125.17	1006	3.60	34.42						
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	0	12.20	32.61			19.86	2.87		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	5	12.20	32.62			19.39	2.86		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	10	12.10	32.69			16.43	2.55		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	15	12.20	32.86			12.80	2.01		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	20	12.10	32.82			11.35	1.70		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	25	12.10	32.83			11.09	1.75		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	30	12.10	33.00			10.14	1.29		
W9811A	11/18/98	23:26	22	CR-01	41.90	-124.3	34	12.00	33.05			13.33	1.61		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	0	12.20	32.84			10.59	1.43		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	5	12.20	32.87			11.71	1.54		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	10	12.20	32.89			9.14	1.42		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	15	12.10	32.94			8.39	1.17		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	20	12.10	32.96			8.89	1.22		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	30	11.90	32.98			8.51	1.14		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	40	11.90	32.99			7.42	0.98		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	49	11.60	33.02			7.25	0.97		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	60	11.10	33.06			9.99	1.38		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	70	11.10	33.20			5.48	0.61		
W9811A	11/19/98	1:56	24	CR-03	41.90	-124.5	99	9.90	33.56			4.55	0.61		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	0	12.20	32.75			7.49	1.07		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	10	12.20	32.76			8.33	1.16		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	15	12.20	32.77			8.19	1.22		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	20	12.20	32.81			7.62	1.10		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	30	11.90	32.86			6.53	0.89		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	40	11.90	33.00			4.73	0.68		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	50	11.30	33.21			4.72	0.61		
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	70	10.40	33.42			3.43			
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	100	9.50	33.66			3.15			

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	150	8.60	33.87						
W9811A	11/19/98	3:26	25	CR-04	41.90	-124.6	450	5.70	34.10						
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	0	12.30				10.54	1.62		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	10	12.30	32.85			10.08	1.56		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	20	12.20	32.87			8.45	1.47		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	40	11.40	33.16			5.99	1.06		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	50	11.20	33.21			4.35	0.38		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	70	10.50	33.39			4.76	0.62		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	100	10.20	33.51			4.88	0.72		
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	150	8.50	33.85						
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	350	6.30	34.05						
W9811A	11/19/98	4:58	26	CR-05	41.90	-124.7	500	5.10	34.15						
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	0	12.40	32.77			8.28	1.06		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	10	12.40	32.77			7.98	1.51		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	20	12.00	32.90			6.23	1.19		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	30	11.50	33.16			7.84	1.39		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	40	11.30	33.20			6.47	1.10		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	50	10.90	33.29			3.68	0.65		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	70	9.90	33.52			3.48	0.57		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	100	9.00	33.81			3.71	0.60		
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	150	8.50	33.93						
W9811A	11/19/98	8:43	28	CR-07	41.90	-125.	830	4.00	34.36						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	0	12.60	32.81						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	10	12.60	32.81						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	20	12.60	32.88						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	29	12.20	33.11						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	40	11.00	33.24						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	50	10.30	33.38						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	70	9.80	33.53						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	100	9.20	33.80						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	150	8.20	33.96						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	860	4.00	34.39						
W9811A	11/19/98	11:17	29	CR-08	41.90	-125.33	994	3.70	34.42						
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	0	11.80	32.95			14.24	2.52		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	5	11.80	32.95			12.94	2.31		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	10	11.70	33.03			11.48	2.00		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	15	11.60	33.10			10.15	1.61		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	20	11.50	33.15			8.28	1.48		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	25	11.40	33.16			7.67	1.31		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	30	11.20	33.19			8.12	1.18		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	40	11.00	33.27			6.85	1.07		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	50	10.60	33.34			7.00	0.87		
W9811A	11/20/98	4:20	38	EU-01	40.87	-124.27	55	10.40	33.39			6.30	0.86		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	0	12.10	32.96			10.42	1.58		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	5	12.10	32.96			10.07	1.67		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	10	12.00	32.97			9.92	1.64		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	20	12.00	33.03			9.13	1.58		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	30	11.60	33.13			6.58	0.89		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	40	11.00	33.23			5.25	0.62		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	50	10.80	33.30			5.90	0.77		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	60	10.00	33.49			7.19	0.87		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	70	9.70	33.55			9.83	0.80		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	85	9.10	33.70			4.16	0.57		
W9811A	11/20/98	2:48	37	EU-02	40.87	-124.37	106	8.50	33.86			6.28	0.53		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	0	12.20	32.88			13.53	1.92		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	10	12.20	32.87			14.10	1.92		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	15	12.20	32.89			12.92	1.75		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	20	12.20	32.96			7.43	1.21		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	30	12.00	33.05			9.00	1.00		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	40	11.80	33.12			5.09	0.75		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	50	11.30	33.17			5.78	0.76		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	70	10.30	33.35			4.00	0.56		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	100	9.40	33.68			4.36	0.51		
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	150	8.70	33.81						
W9811A	11/20/98	1:09	35	EU-03	40.87	-124.47	350	5.80	34.10						
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	0	12.40	32.93			11.70	1.75		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	10	12.30	32.95			10.68	1.62		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	15	12.30	32.98			9.74	1.51		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	20	12.20	33.04			6.49	0.93		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	30	11.70	33.14			4.89	0.75		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	40	11.20	33.20			3.50	0.59		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	50	10.70	33.26			2.82	0.52		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	70	9.80	33.41			2.77	0.46		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	100	9.20	33.73			3.59	0.52		
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	150	8.70	33.86						
W9811A	11/19/98	22:17	33	EU-05	40.87	-124.67	500	5.40	34.14						
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	0	12.20	32.86			16.14	2.69		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	20	11.90	32.98			6.35	1.09		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	30	11.20	33.21			4.06	0.62		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	40	10.80	33.32			3.04	0.48		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	50	10.00	33.49			3.18	0.43		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	70	9.40	33.62			3.60	0.37		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	100	8.70	33.83			2.12	0.32		
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	150	8.00	33.97						
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	886	4.00	34.38						
W9811A	11/19/98	19:17	31	EU-07	40.87	-124.93	1000	3.70	34.43						
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	0	9.30	32.51	18.96		6.85	1.00		9.59
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	5	9.30	32.52	18.54		8.48	1.12		8.76
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	10	9.30	32.52	18.78		7.68	0.79		9.21
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	15	9.20	32.56	25.17		8.84	1.25		14.96
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	20	9.20	32.56	23.13		12.26	0.79		13.43
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	25	9.30	32.57	19.42		5.81	0.50		10.05
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	30	9.30	32.59	24.28		8.19	1.14		14.31
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	40	9.30	32.61	26.13		8.84	1.12		15.99
W9902A	2/18/99	2:20	3	NH-05	44.65	-124.18	50	9.30	32.61	20.66		19.11	2.14		9.22
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	0	9.30	32.65	17.60		8.81	1.42		7.24
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	5	9.30	32.65			9.39	1.45		
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	10	9.20	32.65			10.50	1.43		
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	20	9.20	32.65			10.30	1.68		
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	30	9.20	32.65			8.95	1.38		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	40	9.20	32.65			10.40	1.34		
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	50	9.20	32.66			12.64	1.53		
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	60	9.30	32.68			17.24	1.91		
W9902A	2/17/99	23:26	1	NH-10	44.65	-124.3	70	9.30	32.70			22.95	2.64		
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	0	9.30	32.73	15.94		6.54	0.85		6.22
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	5	9.30	32.73	16.30		6.69	1.16		6.60
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	10	9.30	32.73	16.08		6.96	0.89		6.22
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	20	9.30	32.74	14.98		7.16	1.05		5.47
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	30	9.30	32.75	15.58		9.22	1.07		5.82
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	40	9.30	32.75	15.28		5.65	0.76		5.97
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	50	9.30	32.75	17.98		5.87	1.02		8.38
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	60	9.30	32.76	17.04		6.50	1.07		7.32
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	70	9.30	32.76	17.90		8.62	1.14		7.90
W9902A	2/18/99	3:59	4	NH-15	44.65	-124.41	83	9.30	32.76	18.02		9.59	1.38		7.89
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	0	9.30	32.72	17.14		5.13	0.89		6.93
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	10	9.30	32.72	16.18			1.10		5.79
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	20	9.30	32.72	16.56			1.08		6.16
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	30	9.30	32.72	16.60		5.46	1.06		6.12
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	40	9.30	32.72	15.80		4.61	0.80		5.59
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	50	9.30	32.73	16.92			0.90		6.63
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	70	9.30	32.75	16.60			0.99		6.06
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	100	9.30	33.12	24.54			0.25		9.03
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	150	8.60	33.75	31.88					5.28
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	199	7.70	33.95	34.22					4.02
W9902A	2/18/99	6:35	6	NH-25	44.65	-124.65	286	6.60	34.00	39.09					4.69
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	0	9.30	32.73	14.82			0.71		7.50
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	10	9.30	32.73				0.94		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	20	9.30	32.74				0.72		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	30	9.30	32.75			4.87	0.53		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	40	9.30	32.75			4.61	0.72		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	50	9.30	32.75				0.92		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	70	9.30	32.76			4.71	1.04		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	100	9.10	33.45				0.88		
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	130	8.90	33.64						
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	150	8.80	33.67						
W9902A	2/18/99	9:08	7	NH-35	44.65	-124.88	430	5.50	34.09						
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	0	10.20	31.84	10.77		34.66	3.92		6.37
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	5	10.20	31.84	12.98		36.83	3.96		8.69
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	10	10.20	31.85	12.18		31.68	3.68		8.14
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	15	10.20	31.90	17.30		25.05	3.37		8.68
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	20	9.60	32.35	24.74		6.85	0.83		7.86
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	25	8.70	33.13	27.88		7.46	1.22		9.71
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	30	8.70	33.21	26.81		6.77	1.00		9.98
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	40	8.30	33.50	33.61		7.18	1.07		8.53
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	50	8.10	33.72	35.31		6.51	0.93		6.85
W9904B	4/19/99	22:25	3	NH-05	44.65	-124.18	56	8.10	33.74	38.20		7.99	0.86		9.17
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	0	10.10	31.70	14.21		15.47	2.24		9.33
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	5	10.10	31.71	12.71		13.98	2.09		7.90
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	10	9.80	31.94	12.02		10.61	2.05		6.84
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	15	9.50	32.20	13.99		12.35	2.23		8.11

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	20	9.20	32.56	13.39		11.24	2.33		7.11
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	30	9.10	32.74	14.76		4.93	1.22		6.06
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	40	8.90	32.77	14.85			0.80		6.45
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	50	8.90	32.78	16.14			0.69		7.25
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	60	8.90	32.84	17.32			0.71		7.03
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	70	8.90	32.90	19.84			0.50		8.53
W9904B	4/20/99	1:57	5	NH-15	44.65	-124.41	85	8.80	33.03	20.95		4.75	0.34		6.69
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	0	10.00	32.05			12.72	2.50		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	10	9.90	32.25			10.90	2.09		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	20	9.40	32.46			10.46	1.75		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	25	9.10	32.54			9.27	1.59		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	30	9.00	32.62			7.79	1.32		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	40	9.00	32.71				0.89		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	50	9.00	32.75				0.57		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	70	8.90	32.77				0.37		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	100	8.80	33.12				0.60		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	150	8.00	33.88				0.36		
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	200	7.00	33.99						
W9904B	4/20/99	5:03	7	NH-25	44.65	-124.65	260	6.50	34.02						
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	0	9.80	32.64	12.69		12.47	2.37		6.32
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	10	9.70	32.64			13.44	2.26		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	15	9.60	32.64			11.81	2.19		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	20	9.40	32.69			7.89	1.62		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	30	9.40	32.70			5.17	0.91		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	40	9.30	32.71				0.64		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	50	9.10	32.78				0.46		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	70	8.90	32.99				0.50		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	100	8.50	33.47				0.50		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	150	7.60	33.93				0.44		
W9904B	4/20/99	7:36	8	NH-35	44.65	-124.88	425	5.30	34.13						
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	0	9.60	32.76	14.70		8.22	1.55		8.99
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	10	9.60	32.76			7.91	1.53		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	15	9.60	32.76			7.81	1.54		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	20	9.60	32.76			8.98	1.56		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	25	9.40	32.76			7.30	1.56		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	30	9.10	32.77			5.84	1.10		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	40	9.00	32.78				0.83		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	50	8.90	32.79				0.78		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	70	8.80	32.79				0.60		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	100	8.70	33.35				0.53		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	150	7.80	33.89				0.39		
W9904B	4/20/99	9:22	9	NH-45	44.65	-125.12	688	4.40	34.29						
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	0	9.40	32.81			7.12	1.23		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	10	9.40	32.81			7.49	1.14		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	20	9.40	32.81			6.53	1.09		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	30	9.20	32.80			6.76	1.03		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	40	8.90	32.80			5.74	1.20		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	50	8.90	32.80			7.00	1.19		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	70	8.80	32.81			4.86	0.91		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	100	8.70	32.85				0.75		
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	150	7.90	33.78				0.59		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	465	5.20	34.10						
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	830	4.10	34.36						
W9904B	4/20/99	14:20	11	NH-65	44.65	-125.6	1004	3.60	34.43						
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	0	9.50	32.78	14.19		6.35	1.37		7.45
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	10	9.40	32.78			6.97	1.25		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	20	9.40	32.78			6.60	1.05		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	30	9.00	32.79			5.66	1.19		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	40	8.90	32.79				1.12		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	50	8.80	32.79				0.91		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	60	8.80	32.79				0.93		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	70	8.80	32.80				0.63		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	100	8.50	33.41				0.47		
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	150	7.60	33.88						
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	970	3.50	34.43						
W9904B	4/20/99	18:34	12	NH-85	44.65	-126.05	1000	3.40	34.44						
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	0	10.00	32.19	18.84		17.94	3.59		13.82
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	5	9.90	32.24			19.08	3.73		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	8	9.60	32.38			18.22	4.00		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	10	9.30	32.48			11.69	2.23		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	15	9.20	32.55			8.87	2.00		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	20	9.10	32.66				1.16		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	25	9.00	32.81			5.09	1.10		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	30	8.90	33.00				0.88		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	40	8.50	33.33				0.61		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	50	7.80	33.74			5.13	0.61		
W9904B	4/21/99	15:10	19	FM-03	43.22	-124.5	55	7.80	33.76				0.56		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	0	10.23	32.20	13.53		14.44	3.28		8.76
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	5	10.09	32.32			13.95	3.35		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	10	9.97	32.46			14.19	3.07		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	15	9.50	32.55			7.41	1.76		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	20	9.29	32.65			4.82	1.33		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	30	8.99	32.84				0.78		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	40	8.65	33.30				0.33		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	50	8.53	33.44				0.33		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	60	8.43	33.47				0.42		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	70	7.90	33.72				0.67		
W9904B	4/21/99	13:45	18	FM-04	43.22	-124.58	80	7.67	33.85				0.49		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	0	10.30	32.41	15.66		10.02	2.41		11.44
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	10	10.30	32.41			9.10	2.34		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	20	9.80	32.58			8.85	2.11		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	25	9.40	32.63			8.17	1.56		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	30	9.30	32.64			6.32	1.22		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	40	9.10	32.74				0.88		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	50	9.00	32.92				0.85		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	60	8.80	33.23				0.85		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	70	8.60	33.48				0.51		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	100	7.80	33.78				0.70		
W9904B	4/21/99	11:47	17	FM-05	43.22	-124.67	150	7.20	33.97			10.48	1.57		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	0	10.20	32.47	20.49		13.15	2.81		17.16
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	10	10.20	32.49			12.22	2.56		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	20	9.70	32.55			8.98	1.79		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	30	9.30	32.60			7.20	1.42		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	40	9.20	32.70				0.80		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	50	9.00	32.93				0.63		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	70	8.70	33.55				0.49		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	100	8.20	33.81				0.63		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	150	7.50	33.97				0.26		
W9904B	4/21/99	8:31	15	FM-07	43.22	-124.83	338	5.90	34.07						
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	0	10.40	32.46	16.32		10.82	1.94		11.26
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	10	10.40	32.47			10.08	2.10		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	20	9.50	32.67			10.38	2.02		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	26	9.50	32.70			11.99	2.07		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	30	9.40	32.70			10.29	1.93		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	40	9.30	32.72			6.67	1.26		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	50	9.20	32.74			4.89	0.98		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	70	9.00	33.02				0.57		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	100	8.30	33.81				0.42		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	150	7.20	33.98			5.20	0.64		
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	840	4.10	34.34						
W9904B	4/21/99	5:05	14	FM-08	43.22	-125.	1000	3.80	34.42						
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	0	10.20	32.63	18.24		11.62	2.29		12.37
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	10	10.20	32.63			13.04	2.33		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	15	9.90	32.63			12.63	2.35		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	20	9.70	32.65			11.61	1.54		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	30	9.20	32.70			7.57	1.54		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	40	9.20	32.74			6.09	1.49		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	50	9.10	32.76			5.70	1.33		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	70	8.90	32.77			4.88	0.96		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	150	8.00	33.90			4.80	0.66		
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	970	3.70	34.42						
W9904B	4/21/99	2:57	13	FM-09	43.22	-125.17	1000	3.60	34.43						
W9904B	4/21/99	23:50	21	CR-01	41.90	-124.3	0	9.40	33.10	31.23		13.04	1.89		11.04
W9904B	4/21/99	23:50	21	CR-01	41.90	-124.3	5	9.30	33.12			10.10	1.62		
W9904B	4/21/99	23:50	21	CR-01	41.90	-124.3	10	9.20	33.16			8.77	1.61		
W9904B	4/21/99	23:50	21	CR-01	41.90	-124.3	20	8.40	33.62			4.59	0.82		
W9904B	4/21/99	23:50	21	CR-01	41.90	-124.3	30	8.00	33.75			6.92	1.03		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	0	10.00	32.64	22.20		16.41	2.28		10.17
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	5	10.00	32.64			13.08	2.07		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	10	9.80	32.65			11.18	1.98		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	20	9.50	32.71			9.78	1.73		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	25	9.50	32.73			9.30	1.55		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	30	9.10	32.89			6.34	1.00		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	40	9.00	33.18				0.79		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	50	8.80	33.37				0.45		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	60	8.60	33.52				0.58		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	70	8.30	33.71				0.61		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	100	7.60	33.94				0.52		
W9904B	4/22/99	2:18	23	CR-03	41.90	-124.5	110	7.50	33.95				0.45		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	0	10.00	32.48	16.53		14.93	2.66		12.21
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	10	9.80	32.51			14.45	2.62		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	20	9.60	32.54			13.10	2.42		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	25	9.60	32.54			11.55	2.42		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	30	9.50	32.59			10.42	1.99		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	40	9.30	32.70			5.72	1.06		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	50	9.10	32.88			4.82	0.72		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	70	8.80	33.37				0.61		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	100	8.20	33.79				0.56		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	150	7.50	33.96				0.38		
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	360	5.90	34.06						
W9904B	4/22/99	3:55	24	CR-04	41.90	-124.6	450	5.40	34.12						
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	0	10.10	32.52	15.81		17.92	2.72		12.27
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	10	10.10	32.52			16.39	3.17		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	20	10.10	32.52			11.32	2.23		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	25	9.80	32.57			16.82	3.43		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	30	9.60	32.63			4.90	0.97		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	40	9.60	32.67			5.29	0.81		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	50	9.30	32.71				0.86		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	70	9.30	32.84				0.84		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	100	8.80	33.61				0.41		
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	150	8.10	33.87						
W9904B	4/22/99	7:00	25	CR-05	41.90	-124.7	645	4.70	34.27						
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	0	13.20	30.37	11.45		87.47	10.54		0.89
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	5	11.80	31.33	20.79		63.01	9.40		4.38
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	10	9.50	32.38	26.52		49.72	7.85		4.44
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	12.5	8.90	32.85	30.71		32.20	5.35		1.53
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	15	8.30	33.12	35.64		25.52	3.90		3.56
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	20	7.90	33.63	39.26		16.62	2.29		5.57
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	25	7.60	33.74	38.55		14.49	1.95		4.89
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	30	7.50	33.82	40.71		13.54	1.60		6.90
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	40	7.30	33.90	40.90		22.27	2.33		4.59
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	50	7.20	33.94	39.72		20.24	2.33		2.67
W9907A	7/3/99	20:51	3	NH-05	44.65	-124.18	53	7.20	33.94	42.66		24.70	2.62		5.37
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	0	15.80	24.64	18.79		76.24	8.28		10.51
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	5	14.20	29.80	8.69		38.70	5.05		3.64
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	10	12.00	31.88	8.05		32.84	4.29		3.76
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	18	10.00	32.40	10.28		27.68	4.30		3.86
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	20	10.00	32.49	11.63		23.80	3.52		3.73
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	30	8.70	32.75			17.43	2.56		
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	34	8.50	32.75	14.80		13.43	2.08		4.42
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	40	8.30	32.80	19.75		15.59	2.49		7.28
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	50	8.10	33.03	24.45		9.34	1.59		6.15
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	60	7.80	33.22	34.27		10.87	1.82		7.13
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	71	8.00	33.50			14.05	2.09		
W9907A	7/3/99	23:31	5	NH-15	44.65	-124.41	80	7.90	33.61	34.42		19.50	3.16		4.40
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	0	16.20	26.32	7.94		36.88	4.39		3.55
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	10	13.90	31.15	7.50		28.76	4.14		3.37
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	20	10.10	32.23	12.08		27.33	4.63		5.91
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	22	9.60	32.43	16.04		28.13	4.64		7.93
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	30	9.10	32.71	17.64		16.67	2.47		8.71
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	40	8.80	32.77			8.76	1.61		
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	49	8.50	32.78	14.48		6.53	1.22		4.64

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	70	8.20	33.13	24.72		7.41	1.27		5.90
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	100	8.00	33.77	32.12		8.24	1.14		2.22
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	150	7.20	33.95	35.74		6.64	1.05		1.58
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	160	7.10	33.96	36.61		12.01	1.30		1.97
W9907A	7/4/99	2:33	7	NH-25	44.65	-124.65	200	6.60	33.99			11.37	1.81		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	0	16.20	27.48			24.56	3.14		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	10	15.80	29.55			23.25	3.16		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	20	11.60	32.26			23.53	3.70		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	30	9.80	32.64			24.86	4.45		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	35	9.40	32.71			19.26	3.21		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	40	9.20	32.73			16.31	2.10		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	50	8.70	32.75			5.58	1.23		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	70	8.40	32.90			6.81	1.18		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	100	8.20	33.65			4.80	0.98		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	150	7.50	33.92			4.91	0.97		
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	225	6.60	33.99						
W9907A	7/4/99	5:10	8	NH-35	44.65	-124.88	430	5.60	34.10						
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	0	15.90	27.00			11.45	1.64		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	10	15.10	31.21			8.73	1.55		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	20	12.60	32.73			9.66	2.01		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	30	11.80	32.80			13.43	2.56		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	35	11.40	32.79			10.61	1.94		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	40	10.60	32.79			17.31	3.33		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	50	9.80	32.84			10.77	1.93		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	70	8.80	32.82			5.27	1.07		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	100	8.70	33.36			4.61	0.97		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	150	8.00	33.85			4.94	0.88		
W9907A	7/4/99	7:31	9	NH-45	44.65	-125.12	870	4.00	34.36						
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	0	15.60	30.73	13.04		9.36	1.45		11.58
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	10	14.90	32.13			8.33	1.30		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	20	14.00	32.51			10.12	1.60		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	30	13.20	32.72			12.07	2.15		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	40	11.20	32.69			14.42	2.88		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	44	10.70	32.72			10.31	1.98		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	50	10.30	32.77			7.43	1.48		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	70	9.30	32.85				0.74		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	99	9.10	33.04				0.59		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	150	8.00	33.82				0.95		
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	240	6.60	33.95						
W9907A	7/4/99	12:11	11	NH-65	44.65	-125.6	1005	3.60	34.42						
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	0	15.40	30.22	6.80		9.20	1.46		5.34
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	10	15.10	31.11	6.85		8.18	1.15		5.70
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	20	11.40	32.47	9.55		10.68	1.48		8.07
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	30	10.00	32.73	9.68		14.51	2.67		7.01
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	35	9.60	32.75	10.99		8.29	1.68		6.10
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	40	9.20	32.76	11.72		4.79	1.04		5.99
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	50	8.90	32.79	13.84			0.52		6.39
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	70	8.50	32.85	13.48			0.27		4.92
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	100	8.50	33.41	24.24			0.29		2.97
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	150	7.70	33.85	31.06			0.30		3.25
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	885	3.80	34.37						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/4/99	15:39	12	NH-85	44.65	-126.05	1005	3.60	34.43						
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	0	13.70	32.48	16.33		57.07	8.05		8.28
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	5	13.00	32.58	18.17		60.10	9.25		7.38
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	10	11.20	32.89	31.62		22.00	3.86		6.53
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	15	8.50	33.22	35.83		11.10	2.05		7.34
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	20	8.20	33.46	36.81		7.32	1.57		6.12
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	25	7.90	33.65	36.31		5.53	1.10		4.87
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	30	7.80	33.74	35.56		4.55	1.13		3.54
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	40	7.40	33.87	37.58		6.46	1.05		2.66
W9907A	7/8/99	1:44	37	HH-01	44.00	-124.2	48	7.30	33.90	38.76		5.72	1.38		3.49
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	0	14.10	30.39	14.26		30.03	5.15		9.11
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	5	13.00	30.80			24.94	4.78		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	10	8.60	32.62			12.65	2.81		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	20	8.10	32.97			7.41	1.55		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	30	8.00	33.60			5.32	1.34		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	40	7.70	33.78				1.02		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	50	7.40	33.87				0.81		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	60	7.30	33.90				0.72		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	70	7.40	33.96				0.50		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	100	7.00	33.97				0.57		
W9907A	7/8/99	3:03	38	HH-02	44.00	-124.4	116	6.90	33.98			4.78	1.31		
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	0	14.50	29.69	14.47		32.21	3.87		10.44
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	10	11.10	31.91	13.66		25.56	5.11		8.36
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	15	9.00	32.45	22.18		17.27	3.49		9.74
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	20	8.90	32.95	27.04		9.04	1.43		8.79
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	30	8.00	33.31	34.66		5.39	0.77		7.79
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	40	7.80	33.51	36.01			0.82		6.51
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	50	7.80	33.67	34.99			0.82		3.77
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	60	7.70	33.77	35.39			0.59		4.23
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	70	7.50	33.87	37.89			0.65		5.18
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	100	7.40	33.96	35.97			0.56		3.63
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	120	7.10	33.97	36.81					4.16
W9907A	7/8/99	4:39	39	HH-03	44.00	-124.6	145	6.90	33.98	38.79		4.70	0.81		3.30
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	0	15.20	29.28	8.39		13.11	2.15		6.23
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	5	15.20	29.34	11.29		11.97	2.10		9.19
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	10	12.70	31.57	12.62		11.68	2.33		10.29
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	15	9.80	32.29	15.11		11.22	2.51		8.76
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	20	8.90	32.55	14.05		9.67	1.60		5.92
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	30	8.30	32.71	17.49			0.91		7.33
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	40	8.10	32.86	23.50			0.66		8.68
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	50	7.90	33.44	33.49			0.44		7.93
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	60	7.80	33.73	35.78			0.33		6.19
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	70	7.80	33.81	36.92			0.28		7.00
W9907A	7/8/99	6:23	40	HH-04	44.00	-124.8	95	7.40	33.95	37.25					5.95
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	0	14.90	29.95	7.66		11.69	2.18		5.48
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	10	13.80	30.75	10.31		12.38	2.89		6.25
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	15	11.70	31.86	20.93		7.96	2.00		10.02
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	20	10.70	32.25	30.26		5.82	1.00		9.61
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	30	8.60	32.91	29.61			0.62		4.52
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	40	7.90	33.36	37.41			0.39		9.21

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	50	7.90	33.65	33.98			0.33		4.20
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	70	7.70	33.74	34.63			0.42		2.60
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	100	7.20	33.95	39.01			0.33		5.29
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	150	6.90	33.99	40.40			0.28		6.90
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	500	5.50	34.11	47.16			0.44		
W9907A	7/8/99	8:20	41	HH-05	44.00	-125.	930	4.00	34.37	49.59					
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	0	14.80	30.06			13.96	2.39		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	10	14.40	30.32			13.80	2.71		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	15	11.20	31.86			14.80	3.05		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	20	9.70	32.34			12.14	2.18		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	30	8.20	33.11			7.07	1.02		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	40	8.10	33.38			4.45	0.77		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	50	7.90	33.56			5.02	0.63		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	70	7.60	33.77				0.58		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	100	7.30	33.91			6.31	0.67		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	150	6.60	34.00			5.41	0.56		
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	200	6.20	34.03						
W9907A	7/8/99	12:02	43	HH-07	44.00	-125.2	1005	3.80	34.41						
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	0	16.10	27.45	11.09		9.50	1.48		9.60
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	10	15.50	29.47			9.72	1.81		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	20	11.70	31.93			8.48	2.04		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	30	10.40	32.24			11.26	2.69		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	35	9.50	32.55			6.23	1.63		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	40	9.00	32.65			7.35	1.30		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	50	8.50	32.74				1.03		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	70	8.10	32.90			4.64	0.67		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	100	7.50	33.81			4.43	0.71		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	150	7.10	33.96				0.51		
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	555	5.00	34.19						
W9907A	7/8/99	14:39	45	HH-09	44.00	-125.4	1005	3.70	34.41						
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	0	13.30	32.53	19.09		39.22	5.92		9.78
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	5	13.10	32.56			40.24	6.25		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	10	10.10	33.24			38.79	6.50		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	15	9.50	33.38			26.85	4.65		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	20	9.20	33.45			8.47	1.62		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	22.5	9.10	33.46			6.00	0.98		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	25	9.00	33.46			8.17	1.13		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	30	7.80	33.72			5.62	1.04		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	40	7.30	33.91			4.53	0.69		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	50	7.20	33.92			5.33	0.76		
W9907A	7/5/99	3:02	14	FM-03	43.22	-124.5	55	7.20	33.92			4.73	0.65		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	0	14.60	31.83	11.91		23.08	3.23		8.68
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	5	14.60	31.83			25.53	3.44		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	10	12.10	32.41			34.08	5.46		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	15	11.40	32.70			24.24	3.25		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	20	9.10	32.89			10.43	1.76		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	25	8.90	33.28			10.12	1.97		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	30	8.20	33.57			4.79	0.98		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	40	7.60	33.78			5.30	0.78		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	50	7.30	33.92				0.58		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	60	7.20	33.95				0.60		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	70	7.10	33.97			6.28	0.72		
W9907A	7/5/99	4:08	15	FM-04	43.22	-124.58	80	7.00	33.97			5.70	0.67		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	0	15.10	31.11	8.98		16.55	2.34		6.64
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	10	14.50	31.35			20.03	2.92		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	20	11.20	31.91			9.49	1.63		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	25	9.20	32.34			6.23	1.04		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	30	8.40	32.65			5.29	0.78		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	40	8.00	33.07			4.71	0.95		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	50	8.00	33.23			4.47	0.71		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	60	8.00	33.57				0.58		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	70	7.60	33.79				0.49		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	100	7.00	33.98				0.60		
W9907A	7/5/99	5:14	16	FM-05	43.22	-124.67	145	6.70	34.00			4.65	0.84		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	0	15.10	30.62	7.67		10.47	1.81		5.87
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	10	13.50	31.47			8.46	1.64		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	20	10.60	32.52			8.15	1.88		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	25	9.90	32.61			7.14	1.51		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	30	9.30	32.69			5.88	1.03		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	40	8.70	32.75			5.47	0.96		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	50	8.40	32.79			4.76	0.77		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	60	8.60	33.01				0.64		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	70	8.50	33.29				0.37		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	100	8.00	33.81				0.39		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	150	7.10	33.95			5.44	0.71		
W9907A	7/5/99	8:07	18	FM-07	43.22	-124.83	340	5.70	34.08			5.59	0.35		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	0	15.60	30.17	7.85		10.28	1.57		6.28
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	10	14.90	30.96			10.63	1.75		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	20	11.10	32.37			11.20	2.03		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	25	10.10	32.66			9.57	1.56		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	30	9.30	32.73			6.47	1.22		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	40	8.80	32.78				0.57		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	50	8.80	32.85				0.55		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	70	8.60	33.10				0.66		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	100	8.50	33.68				0.33		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	150	7.30	33.95				0.88		
W9907A	7/5/99	10:07	19	FM-08	43.22	-125.	1005	3.90	34.40						
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	0	15.40	30.17	9.36		10.94	1.79		7.49
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	10	12.70	31.41			9.25	1.63		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	17.5	10.40	32.20			16.27	3.27		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	20	10.80	32.52			15.06	3.10		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	29	9.20	32.74			12.61	2.50		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	40	8.90	32.77			5.48	1.06		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	50	8.80	32.78				0.64		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	70	8.70	32.83				0.53		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	100	8.20	33.44				0.70		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	150	7.60	33.92				0.41		
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	850	4.20	34.35						
W9907A	7/5/99	12:08	20	FM-09	43.22	-125.17	1005	3.80	34.41						
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	0	8.50	33.89	34.75		44.97	7.11		5.03
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	5	8.40	33.90			29.97	5.35		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	10	7.90	33.92			18.46	3.03		
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	15	7.80	33.94			27.10	4.47		
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	20	7.70	33.95			21.32	3.37		
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	25	7.60	33.96			17.90	2.96		
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	30	7.50	33.96			19.69	3.10		
W9907A	7/5/99	21:01	21	CR-01	41.90	-124.3	35	7.50	33.96			18.41	3.08		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	0	13.00	32.95	15.90		18.13	2.49		11.73
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	5	12.50	32.95			18.60	2.65		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	10	12.30	32.95			18.72	2.36		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	20	9.50	33.16			12.79	1.79		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	30	8.70	33.24			7.14	0.41		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	40	8.80	33.63			15.55	2.60		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	50	8.60	33.78			17.23	2.60		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	60	8.60	33.80			17.96	2.62		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	70	8.50	33.82			19.10	2.54		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	99	8.00	33.88			14.38	1.93		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	120	7.70	33.95			28.47	3.65		
W9907A	7/5/99	23:05	23	CR-03	41.90	-124.5	129	7.70	33.95			33.64	3.81		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	0	12.10	32.74	15.19		19.07	2.99		11.77
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	10	12.00	32.74			17.31	2.58		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	15	11.30	32.73			13.47	1.93		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	20	9.60	32.84			9.12	1.64		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	30	9.70	32.93			8.43	1.03		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	40	9.10	33.15			6.01	0.92		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	51	8.80	33.37			4.47	0.30		
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	70	8.70	33.63			4.40			
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	100	8.10	33.84			4.49			
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	150	7.40	33.96			4.56			
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	451	5.60	34.12						
W9907A	7/6/99	0:35	24	CR-04	41.90	-124.6	490	5.50	34.14						
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	0	13.40	32.67	9.07		16.86	2.21		6.86
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	10	12.90	32.71			16.87	2.47		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	15	12.40	32.73			17.64	2.90		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	20	12.00	32.76			14.49	2.02		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	30	10.50	32.91			8.34	1.08		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	40	9.90	32.91			6.33	0.92		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	49	9.30	32.97			5.33	0.34		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	70	8.80	33.26			4.86	0.49		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	100	8.50	33.64			4.41	0.61		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	150	7.70	33.92				0.58		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	499	5.20	34.16				0.52		
W9907A	7/6/99	2:24	25	CR-05	41.90	-124.7	620	4.60	34.25				0.43		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	0	12.70	33.11	15.07		29.97	4.39		6.95
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	10	12.70	33.11			28.26	4.11		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	20	10.20	33.36			26.73	4.11		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	25	10.30	33.53			28.09	4.50		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	30	9.30	33.43			21.88	3.79		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	40	8.90	33.55			13.48	2.28		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	50	8.70	33.69			11.15	1.99		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	70	8.40	33.78			6.50	1.00		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	100	7.90	33.89			4.21	0.61		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	150	7.20	33.97				0.62		
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	500	5.00	34.17						
W9907A	7/6/99	5:47	27	CR-07	41.90	-125.	817	4.00	34.38						
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	0	11.10	33.17	20.65		29.24	5.24		7.15
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	10	11.10	33.15			18.44	3.11		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	20	9.20	33.04			14.07	2.63		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	25	9.10	33.10			14.56	2.56		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	30	9.10	33.37			13.96	2.40		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	40	9.50	33.57			7.43	1.40		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	50	9.00	33.68			5.88	1.00		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	70	8.40	33.77				0.48		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	100	8.00	33.88				0.50		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	150	7.40	33.95				0.50		
W9907A	7/6/99	9:43	29	CR-09	41.90	-125.33	1005	3.70	34.43				0.50		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	0	11.00	33.62	21.72		56.65	9.89		8.59
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	5	10.60	33.60			57.09	9.75		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	10	10.50	33.63			47.98	8.46		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	15	10.10	33.67			44.49	7.77		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	20	9.20	33.71			13.58	2.63		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	25	8.70	33.74			11.66	2.15		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	30	8.30	33.81			6.30	1.29		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	40	8.10	33.85				1.02		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	50	7.70	33.92			4.75	1.16		
W9907A	7/6/99	20:29	30	EU-01	40.87	-124.27	55	7.70	33.93			4.50	1.17		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	0	12.10	33.54	15.07		27.04	4.30		7.76
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	5	12.00	33.54			25.70	4.39		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	10	9.70	33.51			19.46	3.24		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	15	9.20	33.57			13.01	2.32		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	20	8.80	33.61			10.30	1.63		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	30	8.60	33.70			5.30	1.24		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	40	8.50	33.79				0.82		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	50	8.30	33.85				0.69		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	60	8.00	33.90				0.69		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	70	7.90	33.91			4.53	0.65		
W9907A	7/6/99	21:31	31	EU-02	40.87	-124.37	105	7.20	33.99			6.41	1.24		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	0	12.20	33.20	14.64		58.93	7.87		6.69
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	10	11.60	33.15			49.08	7.11		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	15	9.80	33.35			26.37	4.07		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	20	9.60	33.41			21.53	3.49		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	30	9.00	33.49			8.01	1.35		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	40	8.70	33.67				0.64		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	50	8.50	33.74				0.48		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	70	8.10	33.85				0.47		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	101	7.60	33.95				0.43		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	150	7.30	34.01				0.66		
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	300	6.50	34.05						
W9907A	7/6/99	22:58	32	EU-03	40.87	-124.47	349	6.30	34.08						
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	0	11.70	33.45	17.96		104.53	11.33		6.62
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	5	10.70	33.47			99.26	11.64		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	10	10.00	33.48			52.14	8.26		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	20	9.20	33.59			21.84	3.94		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	30	8.80	33.64			14.02	2.83		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	40	8.70	33.69			8.05	1.71		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	50	8.50	33.77			6.87	1.39		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	70	8.30	33.81			6.29	1.17		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	100	8.00	33.90			5.16	0.78		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	150	7.60	33.97			9.65	1.40		
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	500	5.50	34.22						
W9907A	7/7/99	1:38	34	EU-05	40.87	-124.67	690	4.80	34.27						
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	0	11.80	33.09	16.43		31.03	5.41		10.79
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	10	11.50	33.07			30.44	5.15		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	20	10.60	33.00			16.32	2.96		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	30	9.80	32.96			11.86	2.33		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	40	9.10	32.99			7.90	1.33		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	50	8.90	33.12			6.66	1.16		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	70	9.00	33.53			10.21	1.94		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	85	8.90	33.68			13.38	2.26		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	100	8.60	33.78			16.40	3.11		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	150	7.80	33.93			6.32	1.00		
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	715	4.40	34.29						
W9907A	7/7/99	5:11	36	EU-07	40.87	-124.93	1000	3.70	34.43						
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	3	9.36	33.14	20.30		58.53	8.22		7.94
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	7	9.11	33.19	26.10		32.11	4.68		6.63
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	12	8.69	33.26	28.10		22.29	2.93		6.84
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	14	8.37	33.22	28.96		18.44	1.73		5.88
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	17	8.10	33.24	30.35		17.22	1.35		5.71
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	22	8.13	33.41	30.45		11.20	0.72		4.66
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	27	8.18	33.52	33.89		11.17	0.66		6.84
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	32	8.18	33.58			29.09	1.96		
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	42	8.03	33.74	35.38		13.68	1.16		2.97
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	52	7.96	33.77	35.99		13.80	1.28		3.24
W9909C	9/22/99	20:04	3	NH-05	44.65	-124.18	55	7.96	33.77	37.46		16.67	1.70		4.48
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	3	12.59	32.29	12.57		22.74	3.69		7.07
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	6.5	12.37	32.33	13.08		28.87	3.44		7.53
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	12	11.20	32.57	13.96		15.74	1.96		5.98
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	22	9.42	32.76	16.40		11.20	1.07		6.56
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	32	8.66	32.79	15.43		8.01	0.68		5.36
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	42	8.45	32.81	19.04		7.44	0.72		8.93
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	51	8.28	32.88	20.82		17.43	0.72		5.84
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	62	8.33	33.13	24.75		9.98	0.61		5.33
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	71	8.25	33.42	34.70		8.28	0.86		5.43
W9909C	9/22/99	23:04	5	NH-15	44.65	-124.41	82	8.04	33.73	37.54		9.88	0.96		4.69
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	3	11.51	32.46	16.81		20.03	3.03		7.09
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	12	11.24	32.50	16.36		17.94	3.08		6.10
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	20	10.53	32.61			18.88	3.10		
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	22	10.27	32.66	17.64		16.09	2.25		7.43
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	32	8.88	32.78	15.65		5.98	0.73		6.17
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	42	8.54	32.80	16.23		6.99	0.77		6.42
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	52	8.32	32.85	16.27		5.58	0.54		5.29
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	72	8.17	33.06	22.96		6.58	0.87		4.87
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	102	8.16	33.58	35.08		6.76	0.79		3.74

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	152	7.88	33.88	35.14		6.05	0.49		2.74
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	202	7.38	33.94	35.89		7.41	0.70		1.07
W9909C	9/23/99	6:31	7	NH-25	44.65	-124.65	275	6.96	33.98	39.44		7.34	0.77		2.87
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	3	14.96	31.59	8.49		16.49	2.72		5.70
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	12	14.05	31.90			16.07	2.44		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	17	13.19	32.37			16.95	2.78		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	22	11.28	32.69			10.67	1.77		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	32	9.99	32.75			7.96	1.05		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	42	9.11	32.77			5.46	0.78		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	52	8.52	32.79			6.30	0.58		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	72	8.30	32.99			4.30	0.44		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	102	8.26	33.58			3.99	0.39		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	152	7.73	33.90				0.58		
W9909C	9/23/99	9:22	8	NH-35	44.65	-124.88	427	5.80	34.05			5.47	0.50		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	3	15.65	31.66	7.72		12.10	1.78		5.92
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	12	15.48	31.71			13.80	1.99		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	20	12.43	32.56			9.44	1.69		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	22	12.07	32.59			10.29	1.37		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	32	10.46	32.73			6.53	1.14		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	42	9.65	32.76			6.41	0.68		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	52	9.00	32.79			4.60	0.49		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	72	8.49	32.93			6.40	0.66		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	102	8.40	33.75			5.24	0.52		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	152	8.20	33.96			4.18	0.58		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	502	5.39	34.09				0.30		
W9909C	9/23/99	10:58	9	NH-45	44.65	-125.12	693	4.39	34.26				0.26		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	3	14.57	31.97	10.14		13.70	2.21		7.87
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	12	11.84	32.45			17.28	3.03		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	20	10.16	32.72			12.75	2.24		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	22	9.77	32.75			11.30	1.99		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	32	8.89	32.78			8.20	0.95		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	42	8.40	32.82			4.93	0.75		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	53	8.57	32.97			5.20	0.89		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	72	8.54	33.23			5.71	0.84		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	102	8.36	33.67				0.63		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	153	7.66	33.91				0.42		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	765	4.47	34.27			4.49	0.35		
W9909C	9/23/99	15:30	11	NH-65	44.65	-125.6	1007	3.77	34.39			4.60	0.52		
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	3	12.47	32.57	9.92		13.10	2.20		5.94
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	12	11.69	32.96	13.27		10.16	1.71		6.99
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	18	11.44	33.04	14.82		8.04	1.23		6.00
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	22	11.09	33.02	17.02		9.53	1.22		6.43
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	32	10.29	33.02	18.05		7.60	1.02		5.86
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	42	9.07	33.13	21.03			0.75		6.03
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	72	8.35	33.66	24.04		5.33	0.78		5.26
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	92	8.05	33.81	28.24		4.57	0.61		4.66
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	102	7.91	33.85	33.73			0.56		4.93
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	152	7.37	33.95	37.36		4.54	0.54		4.90
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	527	5.02	34.17	45.15			0.38		2.54
W9909C	9/23/99	18:45	12	NH-85	44.65	-126.05	1007	3.55	34.42	46.83			0.28		1.51

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	1	9.43	33.64			14.43	2.47		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	5	9.45	33.64			13.63	2.27		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	10	9.37	33.64			14.31	2.58		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	15	9.18	33.66			13.96	2.25		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	19	9.02	33.68			9.52	1.39		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	25	8.78	33.73			8.02	1.06		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	31	8.71	33.75			6.16	1.04		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	41	8.60	33.79			6.28	0.92		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	50	8.51	33.80			6.93	0.85		
W9909C	9/24/99	15:13	19	FM-03	43.22	-124.5	58	8.51	33.80			10.31	1.03		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	1	9.77	33.41	20.24		12.52	2.18		1.75
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	5	9.76	33.42			13.33	2.00		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	10	9.77	33.41			11.51	2.05		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	20	9.65	33.49			12.95	2.14		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	30	9.61	33.51			11.33	2.00		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	40	9.55	33.57			13.02	2.11		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	50	9.49	33.61			12.31	2.09		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	55	9.31	33.62			8.16	1.40		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	60	9.12	33.64			9.39	1.15		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	70	8.56	33.78			5.86	0.75		
W9909C	9/24/99	14:07	18	FM-04	43.22	-124.58	76	8.50	33.81			4.58	0.65		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	1	10.38	33.08	15.72		9.81	1.94		3.95
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	10	10.12	33.25			12.07	2.23		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	20	9.83	33.48			16.56	2.51		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	25	9.74	33.55			14.14	2.11		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	30	9.66	33.56			13.44	2.27		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	40	9.22	33.61			10.09	1.75		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	50	9.19	33.62			9.88	1.36		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	60	9.05	33.64			8.95	1.06		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	70	8.92	33.68			6.45	0.93		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	100	8.33	33.84			5.51	0.72		
W9909C	9/24/99	12:23	17	FM-05	43.22	-124.67	140	8.38	33.88			6.33	0.81		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	1	14.22	32.61	10.00		13.16	2.21		7.31
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	10	14.22	32.61			12.46	2.14		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	20	11.97	32.81			9.38	1.55		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	25	11.38	32.85			8.25	1.32		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	30	11.32	32.86			7.31	1.09		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	40	10.33	32.86			4.83	0.74		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	50	8.74	32.84			3.68	0.51		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	67	8.26	32.98			3.83	0.51		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	100	8.76	33.64			4.32	0.72		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	150	8.00	33.87				0.51		
W9909C	9/24/99	9:12	15	FM-07	43.22	-124.83	327	6.24	34.05			5.65	0.65		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	1.4	15.12	32.46	8.52		11.38	1.53		6.96
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	10	15.07	32.47			11.56	1.40		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	20	12.26	32.75			10.06	1.23		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	25	11.27	32.79			17.92	1.83		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	30	10.74	32.82			8.28	1.08		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	40	9.35	32.82			5.98	0.70		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	50	8.97	32.88			6.51	0.55		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	70	8.40	32.91			7.09	0.44		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	101	8.50	33.24			5.85	0.79		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	150	7.83	33.89				0.33		
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	810	4.14	34.34						
W9909C	9/24/99	6:01	14	FM-08	43.22	-125.	1004	3.60	34.42			9.95	1.41		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	2	14.70	32.57	9.76		13.36	2.07		7.58
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	10	13.11	32.64			14.29	2.20		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	16	12.36	32.70			13.02	1.88		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	20	12.19	32.80			10.48	1.60		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	30	9.84	32.78			6.38	1.00		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	41	9.06	32.80			5.48	0.74		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	51	8.80	32.83			6.60	0.64		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	70	8.39	32.95			4.60	0.50		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	100	8.75	33.55				0.40		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	150	8.05	33.88			4.29	0.37		
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	856	3.92	34.36						
W9909C	9/24/99	3:33	13	FM-09	43.22	-125.17	1005	3.55	34.42						
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	0	12.30	33.05	19.33		67.54	8.53		7.77
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	5	12.24	33.06			51.82	6.79		
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	10	11.48	33.21			28.30	4.39		
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	14	11.09	33.30			22.23	3.30		
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	20	10.68	33.32			32.37	5.08		
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	25	10.86	33.45			19.91	3.23		
W9909C	9/24/99	23:30	21	CR-1	41.90	-124.3	35	10.46	33.50			16.47	2.78		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	0	10.87	33.19	18.46		13.05	1.83		7.33
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	10	10.84	33.20			12.71	1.95		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	20	9.86	33.30			8.46	1.31		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	30	9.60	33.38			5.66	0.78		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	35	9.47	33.43			7.12	0.69		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	50	9.23	33.54			6.90	0.63		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	60	9.08	33.60			5.45	0.54		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	70	8.98	33.64			4.30			
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	100	8.43	33.84			4.53	0.44		
W9909C	9/25/99	1:45	23	CR-3	41.90	-124.5	125	8.37	33.86			5.22	0.59		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	1	11.29	33.18	17.38		14.94	2.44		7.26
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	10	11.23	33.18			13.31	2.25		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	13	10.11	33.29			13.03	1.97		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	21	9.40	33.39			6.75	0.91		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	30	9.28	33.47			5.38	0.62		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	40	9.08	33.57			4.36	0.61		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	53	8.62	33.69			4.32	0.61		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	71	8.52	33.78				0.40		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	102	8.28	33.89				0.28		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	150	7.87	33.96			4.95	0.42		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	238	7.44	33.99			4.91	0.37		
W9909C	9/25/99	3:00	24	CR-4	41.90	-124.6	496	5.27	34.14				0.32		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	1.2	11.41	33.20	18.36		14.08	2.19		7.75
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	10	11.41	33.20			12.36	1.93		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	13	11.38	33.20			10.17	1.55		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	20	10.03	33.42			9.89	1.24		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	31	9.38	33.47			6.02	0.79		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	40	9.11	33.51			5.80	0.71		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	51	8.81	33.61			5.69	0.57		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	71	8.45	33.81			3.88	0.38		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	99	8.07	33.93			4.01	0.38		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	150	7.51	33.98			4.80	0.38		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	500	5.25	34.16				0.33		
W9909C	9/25/99	5:04	25	CR-5	41.90	-124.7	578	4.71	34.22				0.26		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	1	10.82	33.16	20.93		13.15	1.93		7.58
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	10	10.64	33.17			10.70	1.76		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	13	10.40	33.18			10.91	1.55		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	20	10.35	33.18			11.35	1.67		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	30	9.71	33.26			9.35	1.17		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	40	9.47	33.35			7.93	0.89		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	50	9.12	33.52			6.17	0.88		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	70	8.61	33.62			6.58	0.41		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	100	8.09	33.86			3.87	0.30		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	150	7.45	33.96			4.47	0.30		
W9909C	9/25/99	9:06	27	CR-7	41.90	-125.	825	4.02	34.37			4.93			
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	1	11.25	32.86	14.86		8.92	1.25		7.78
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	5	11.27	32.86			9.11	1.37		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	10	11.18	32.87			7.97	1.32		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	20	10.87	32.90			8.02	1.21		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	30	10.41	32.94			5.41	0.71		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	40	9.97	33.18				0.45		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	50	9.26	33.35			6.30	0.47		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	71	8.99	33.58			5.64	0.37		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	100	8.42	33.76				0.30		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	150	7.64	33.96			4.34	0.30		
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	841	4.11	34.34						
W9909C	9/25/99	13:13	29	CR-9	41.90	-125.3	1003	3.71	34.42						
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	1	11.03	33.30			24.14	2.94		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	5	10.99	33.30			15.34	2.27		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	10	10.28	33.32			11.09	1.40		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	15	9.96	33.37			11.44	1.47		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	20	9.87	33.39			7.42	1.25		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	25	9.85	33.40			9.76	1.15		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	30	9.74	33.47			8.62	1.03		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	40	9.59	33.51			8.36	0.94		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	50	9.27	33.59			8.99	0.91		
W9909C	9/25/99	21:07	30	EU-1	40.87	-124.7	54	9.07	33.65			8.22	0.89		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	1	11.63	33.25	13.82		19.82	3.28		1.73
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	5	11.64	33.25			21.37	3.37		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	10	11.61	33.25			20.93	3.23		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	15	11.49	33.24			17.99	2.94		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	20	10.34	33.21			9.20	1.10		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	30	9.71	33.32			8.37	0.71		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	40	9.44	33.43			7.80	0.61		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	50	9.28	33.47			8.20	0.71		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	60	9.28	33.50			6.22	0.69		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	70	9.12	33.61			12.59	0.62		
W9909C	9/25/99	22:22	31	EU-2	40.87	-124.37	105	8.33	33.89			6.18	0.59		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	2.6	12.62	33.10	11.68		13.59	1.49		3.69
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	10	12.58	33.10			12.40	1.56		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	20	11.64	33.14			10.90	1.24		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	30	11.06	33.29			13.35	2.01		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	35	10.56	33.28			9.65	1.12		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	40	9.87	33.32			6.61	0.64		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	50	9.50	33.43						
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	70	8.85	33.66			8.20	0.50		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	100	8.51	33.83			5.92	0.37		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	151	8.08	33.95			5.51	0.37		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	180	7.87	33.96			5.19	0.44		
W9909C	9/26/99	0:06	32	EU-3	40.87	-124.7	360	6.43	34.04			4.74	0.30		
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	1	10.04	33.02	26.33		9.57	1.47		11.84
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	5	10.04	33.02	26.38		11.77	1.60		11.76
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	10	10.04	33.02	22.81		11.62	1.60		8.19
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	15	10.04	33.01	25.03		8.91	1.42		10.68
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	20	10.05	33.02	24.37		9.21	1.53		9.80
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	25	10.03	33.00	24.31		8.81	1.50		9.78
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	30	9.98	33.05	24.08		11.30	1.63		9.06
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	39	9.96	33.06	25.47		14.32	1.58		9.83
W9911A	11/3/99	22:37	2	NH-05	44.65	-124.18	52	9.89	33.09	29.79		27.17	2.01		12.96
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	1	11.10	32.58	13.58		12.44	1.64		6.83
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	5	11.10	32.58	14.26		10.04	1.59		7.16
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	10	11.10	32.58	14.69		13.14	1.73		7.10
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	17	11.00	32.60	15.35		10.02	1.75		6.80
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	21	10.80	32.70			7.71	0.98		
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	30	10.10	32.99	23.66					
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	40	9.30	33.29	27.33		6.99	0.89		6.32
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	61	8.50	33.51	31.11		8.56	1.02		5.55
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	71	8.20	33.60	33.79		6.62	0.56		6.23
W9911A	11/4/99	1:25	4	NH-15	44.65	-124.41	84	8.20	33.65	33.95		12.51	0.95		5.05
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	2	10.90	32.55	13.42		7.92	1.20		6.99
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	10	10.90	32.55			7.61	1.26		
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	20	10.80	32.56	13.68		7.33	1.22		6.84
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	30	10.40	32.74	19.34		12.67	0.86		7.23
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	40	9.40	32.96	20.65		5.61	0.38		5.86
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	50	8.80	33.10			5.29	0.43		
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	70	8.30	33.50	31.86		6.77	0.50		
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	100	8.10	33.82	34.59		4.62	0.50		3.32
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	116	8.00	33.84	35.66			0.66		4.25
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	149	7.90	33.89	36.39		6.64	0.62		4.25
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	200	7.70	33.94	38.36		5.35	0.55		5.99
W9911A	11/4/99	5:08	6	NH-25	44.65	-124.65	276	7.50	33.96	48.41		8.56	1.06		14.84
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	1	11.20	32.54	11.48		8.10	1.45		5.98
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	10	11.20	32.54			10.16	1.56		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	15	11.20	32.54			7.86	1.38		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	21	11.20	32.54			7.75	1.29		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	30	10.40	32.72				0.93		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	40	9.00	32.86				0.54		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	50	8.50	33.05				0.39		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	70	8.40	33.47				0.41		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	101	8.30	33.81				0.47		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	150	7.90	33.93				0.29		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	411	5.50	34.07				0.36		
W9911A	11/5/99	1:05	11	NH-35	44.65	-124.88	440	5.30	34.09				0.47		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	1	11.50	32.55	10.89		11.75	1.18		6.82
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	10	11.50	32.55			10.63	1.52		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	14	11.40	32.55			15.00	1.41		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	20	11.20	32.52			6.22	1.97		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	30	10.30	32.62			5.17	1.58		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	40	9.10	32.80			5.14	1.49		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	50	8.40	32.93				1.25		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	71	8.30	33.19			5.08	1.15		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	101	8.20	33.57				0.98		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	151	7.60	33.92				0.84		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	500	5.00	34.12				0.59		
W9911A	11/4/99	22:18	10	NH-45	44.65	-125.12	755	4.20	34.31				0.48		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	2	13.20	32.55	8.56		9.97	1.15		6.90
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	10	13.20	32.55			11.13	1.22		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	20	13.20	32.55			10.35	1.44		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	30	13.20	32.55			10.09	1.22		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	40	13.20	32.55			6.98	0.71		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	50	10.50	32.70			4.87	0.36		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	70	8.30	32.82			5.57	0.29		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	100	8.00	33.17			6.18	0.41		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	150	7.70	33.88			5.48	0.29		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	735	4.30	34.28			3.78	0.24		
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	861	4.00	34.35			4.52			
W9911A	11/4/99	16:56	8	NH-65	44.65	-125.6	1005	3.60	34.42			5.46			
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	2	12.20	32.59	10.28		10.20	1.28		7.10
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	10	12.20	32.59	10.49		10.46	1.30		7.17
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	20	12.20	32.59	13.92		8.17	1.35		10.65
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	29	12.20	32.60	13.19		7.85	1.11		9.73
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	39	12.10	32.61	13.40		6.05	0.70		7.70
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	50	9.80	32.82	18.31		5.36	0.32		9.61
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	100	8.30	33.38	31.75		7.18	0.72		7.27
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	150	7.80	33.88	37.35		5.81	0.39		7.66
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	780	4.20	34.31			4.49	0.32		
W9911A	11/4/99	14:10	7	NH-85	44.65	-126.05	1006	3.60	34.42	49.51		5.12	0.34		4.54
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	1	9.70	31.69	16.24		12.17	1.14		7.16
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	5	9.70	31.80	15.35		10.84	1.23		6.12
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	10	9.70	31.80	15.56		12.55	1.32		6.28
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	15	9.70	31.79	15.45		9.68	1.14		6.36
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	20	9.70	31.80	14.90		13.46	1.18		5.76
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	25	9.70	31.85	14.88		13.02	1.32		5.66
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	30	9.70	31.86	14.99		12.82	1.27		5.84
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	40	9.70	31.95	14.54		10.44	1.19		5.60
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	50	9.80	32.04	14.66		8.55	0.94		6.19
W0002A	2/1/00	21:39	2	NH-05	44.65	-124.18	52	9.80	32.05	14.28		12.53	1.10		5.65
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	1	10.00	32.69	15.39		5.47	0.63		6.56

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	10	10.00	32.68	15.34		6.10	0.69		6.46
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	20	10.00	32.69	15.45		7.07	0.68		6.57
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	30	10.00	32.69	15.24		7.73	0.73		6.32
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	40	10.00	32.68	15.51		6.93	0.73		6.51
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	50	10.00	32.68	15.28		9.22	0.80		6.21
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	60	10.00	32.68	15.22		7.49	0.73		6.21
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	70	10.00	32.69	15.53		6.91	0.76		6.50
W0002A	2/2/00	1:50	4	NH-15	44.65	-124.41	85	10.00	32.68	16.76		5.91	0.65		7.76
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	1	9.90	32.65	14.53		10.04	0.92		5.97
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	10	9.90	32.65	13.81		10.04	0.94		5.15
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	20	9.90	32.65	13.70		10.07	0.81		5.18
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	25	9.90	32.66	13.77		11.09	1.18		4.95
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	30	10.00	32.67	13.96		9.63	1.36		4.96
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	40	10.00	32.68	13.66		8.54	1.16		4.86
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	50	10.00	32.68	14.91		6.61	0.96		5.57
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	70	9.50	33.20	21.88			0.39		5.29
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	100	9.00	33.49	26.92			0.30		5.04
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	150	8.30	33.86	33.38					4.94
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	200	7.70	33.95	35.99					5.11
W0002A	2/3/00	2:09	14	NH-25	44.65	-124.65	275	6.90	33.99	38.68					5.14
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	2	9.90	32.65	14.08		10.91	1.15		6.04
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	10	9.90	32.65			10.46	0.92		
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	20	9.90	32.64			9.95	0.85		
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	29	9.80	32.64			9.86	0.86		
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	41	9.80	32.65			8.71	0.85		
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	50	9.80	32.65			8.51	0.49		
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	61	9.70	32.65			7.74	0.36		
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	70	9.40	33.21						
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	101	8.80	33.64						
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	150	8.20	33.87						
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	314	6.60	34.01						
W0002A	2/3/00	0:32	13	NH-35	44.65	-124.88	425	5.90	34.03						
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	1	9.70	32.67	12.26		9.84	1.19		5.47
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	10	9.70	32.67			10.39	1.22		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	20	9.70	32.67			11.31	1.30		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	30	9.70	32.67			11.35	1.26		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	40	9.70	32.67			9.37	1.15		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	50	9.70	32.67			10.61	1.24		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	60	9.70	32.67			10.10	1.24		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	70	9.70	32.67			9.01	1.26		
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	100	9.00	33.59						
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	150	8.00	33.90						
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	500	5.10	34.12						
W0002A	2/2/00	22:25	12	NH-45	44.65	-125.12	689	4.40	34.27						
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	1.6	9.40	32.63	12.77		11.41	1.26		5.58
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	6	9.40	32.63			10.18	1.32		
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	11	9.40	32.63			9.48	1.10		
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	20	9.40	32.63			8.75	1.10		
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	31	9.40	32.63			8.58	0.99		
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	39	9.40	32.63			8.20	0.93		
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	49	9.40	32.63			9.28	1.06		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	70	9.40	32.65			8.36	0.97		
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	101	8.30	33.62						
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	150	7.70	33.92						
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	802	4.10	34.33						
W0002A	2/2/00	17:31	10	NH-65	44.65	-125.6	999	3.60	34.41						
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	3	9.30	32.64	12.79		12.86	1.69		4.61
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	10	9.30	32.65	12.60		13.29	1.83		4.37
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	20	9.40	32.65	13.13		10.71	1.45		5.27
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	30	9.40	32.65	12.60		14.01	1.54		4.95
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	42	9.40	32.66	12.01		13.06	1.58		4.24
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	45	9.40	32.66	12.54		13.45	1.83		4.51
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	50	9.40	32.66	12.41		9.27	1.19		5.02
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	69	9.30	32.75	15.19		5.89	0.83		4.93
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	100	8.30	33.63	31.21		5.14	0.50		4.67
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	152	7.80	33.89	35.38					4.83
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	900	3.80	34.39	46.88					2.06
W0002A	2/2/00	14:32	9	NH-85	44.65	-126.05	1000	3.50	34.43						
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	2	11.07	32.26	11.29	140.92	39.50	4.33	101.42	6.86
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	5	10.81	32.29	18.53	130.45	37.97	4.52	92.48	12.77
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	10	9.91	32.42	17.22	82.31	28.23	3.91	54.08	7.02
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	15	9.19	32.87	22.87	72.54	18.04	2.50	54.49	6.94
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	20	8.85	33.14	25.12		8.42	0.90		6.99
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	26	8.72	33.34	27.24	49.04	8.99	0.82	40.05	6.87
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	30	8.51	33.55	30.30	49.35	7.54	0.71	41.81	6.68
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	41	8.19	33.77	34.55	51.10	7.03	0.55	44.07	6.28
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	43	8.16	33.78	35.37	56.90	8.87	0.61	48.03	6.40
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	50	7.81	33.85	37.46	56.80	22.72	1.12	34.08	5.94
W0004B	4/12/00	1:03	4	NH-05	44.65	-124.18	55	7.81	33.85	37.50	67.47	21.59	1.52	45.88	5.80
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	2	11.12	29.61	9.76	64.90	10.88	1.67	54.02	7.80
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	5	10.88	30.25	10.06		13.85	2.07		7.71
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	10	10.23	31.53	12.09		21.34	3.36		7.36
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	15	9.52	32.53	17.64		17.74	2.78		10.13
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	20	9.37	32.59	14.88		10.59	1.26		7.63
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	30	9.22	32.61	15.94		7.24	0.95		9.03
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	35	9.12	32.62	15.90	64.24	5.77	0.71	58.47	9.45
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	41	9.04	32.62	17.30		9.72	1.04		10.18
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	50	8.99	32.63	15.68	59.64	15.34	0.79	44.29	8.52
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	61	9.08	32.80	20.70	54.98		0.94	54.98	9.86
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	70	9.15	33.06	20.87	59.24		0.83	59.24	6.47
W0004B	4/12/00	10:45	5	NH-15	44.65	-124.41	86	8.50	33.62	35.05	62.59		0.77	62.59	10.80
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	2	11.25	29.43	7.58	75.60	8.64	1.37	66.96	6.05
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	10	10.43	31.18	9.63	74.87	10.14	1.84	64.73	7.02
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	21	9.79	32.44	13.86	68.63	8.66	1.41	59.97	7.47
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	30	9.77	32.56	14.60		5.20	0.80		7.32
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	40	9.69	32.64	15.53	71.27	4.47	0.68	66.80	8.31
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	50	9.65	32.67	15.04		5.77	0.69		7.72
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	70	9.00	32.69	14.22	56.32	5.70	0.55	50.61	6.95
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	101	9.05	33.14	24.26	60.71	4.49	0.52	56.22	7.22
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	151	8.24	33.93	39.08	49.06	5.50	0.54	43.55	6.24
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	201	6.89	33.98	40.83		6.27	0.59		5.75
W0004B	4/12/00	13:46	7	NH-25	44.65	-124.65	289	6.05	34.03	42.77	53.72	6.43	0.46	47.29	5.43

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	1	11.26	29.92	7.86	78.40	9.69	1.44	68.71	6.26
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	10	10.43	31.36			13.64	2.44		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	15	9.96	32.22			12.18	2.18		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	20	9.83	32.40			9.51	1.52		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	31	9.77	32.55			7.42	1.20		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	40	9.69	32.61			5.55	0.85		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	50	9.65	32.67			5.14	0.88		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	70	9.00	32.62			5.61	0.51		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	100	9.07	33.38				0.35		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	150	8.25	33.85				0.33		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	400	5.59	34.08			5.73	0.32		
W0004B	4/12/00	15:55	8	NH-35	44.65	-124.88	445	5.46	34.10			4.80	0.38		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	2	11.02	31.57		64.70	7.59	1.26	57.11	
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	10	10.62	31.83			8.79	1.26		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	11	10.37	32.01			10.00	2.00		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	20	10.09	32.39			7.10	0.88		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	31	9.76	32.67			5.34	0.75		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	40	9.65	32.70			4.62	0.45		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	50	9.56	32.70			3.37	0.42		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	70	9.26	32.79			3.85			
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	101	8.58	33.33			3.37			
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	151	8.21	33.81				0.22		
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	500	5.00	34.16						
W0004B	4/12/00	18:56	9	NH-45	44.65	-125.12	580	4.67	34.22			3.52	0.25		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	1	11.29	31.84	7.64	66.60	9.26	1.19	57.34	6.16
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	10	10.98	32.04			10.43	1.30		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	19	10.27	32.51			8.03	1.16		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	25	10.03	32.66			11.82	1.01		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	29	10.05	32.69			6.99	0.80		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	40	10.03	32.73				1.10		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	50	9.70	32.71			4.23	0.57		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	70	9.52	32.77			4.07	0.25		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	100	9.03	33.22			4.88	0.32		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	150	8.34	33.76				0.28		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	300	6.46	34.00				0.26		
W0004B	4/13/00	1:11	11	NH-65	44.65	-125.6	830	4.09	34.33						
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	1	11.02	32.67	9.86	69.60	9.40	1.02	60.20	7.08
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	10	10.74	32.66	10.09	69.50	9.88	0.92	59.62	7.09
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	13	10.48	32.68	10.44	66.30	9.94	0.89	56.36	7.00
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	20	10.18	32.69	10.67	61.20	5.11	0.43	56.09	6.28
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	30	9.90	32.69	11.27	59.80	4.86	0.29	54.94	6.72
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	40	9.33	32.68	12.06	64.80	4.27	0.23	60.53	7.34
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	50	9.15	32.67	11.95	59.60	3.70		55.90	7.04
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	90	8.76	32.76	12.51	56.58				7.33
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	100	8.62	32.93	18.72	57.80	4.37	0.37	53.43	6.74
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	150	8.07	33.79	34.26	49.60				6.25
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	849	3.81	34.33	46.92	39.40				2.52
W0004B	4/13/00	4:02	12	NH-85	44.65	-126.05	1005	3.45	34.40	47.25	39.10				2.85
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	2	11.50	30.35	9.10	67.20	9.25	1.37	57.95	7.55
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	5	11.45	30.47	8.92	85.69	11.58	1.53	74.12	7.17

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	10	10.95	31.19	10.93	84.12	13.27	1.70	70.85	8.66
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	15	10.58	31.91	19.42	75.85	13.71	1.91	62.14	9.40
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	20	9.28	33.04	26.10	63.84	4.68	0.43	59.16	9.64
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	25	9.05	33.26	30.46	57.07	4.98	0.53	52.10	9.63
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	30	8.87	33.42	32.58	54.13	3.85		50.29	9.14
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	40	8.47	33.63	35.46	57.18	4.75		52.43	8.94
W0004B	4/16/00	18:45	39	HH-01	44.00	-124.2	49	8.31	33.71	36.76	56.40	4.96		51.44	8.53
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	2	11.54	30.26	7.61	73.70	7.61	1.10	66.09	6.52
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	5	11.52	30.26			7.94	0.90		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	10	11.43	30.31			7.93	0.90		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	15	10.77	32.13			10.66	1.68		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	20	10.02	32.93			7.43	0.68		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	30	8.76	33.47			3.75	0.65		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	40	8.43	33.67			3.98	0.50		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	50	8.31	33.71			3.98	0.36		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	60	7.93	33.80				0.45		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	70	7.80	33.91				0.23		
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	100	7.24	33.98			4.97			
W0004B	4/16/00	20:12	40	HH-02	44.00	-124.4	115	7.20	33.98			4.47	0.49		
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	1	11.37	30.46	9.26	69.10	13.02	1.76	56.08	7.20
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	10	10.97	31.61	11.07	83.02	14.25	2.35	68.77	7.49
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	15	10.62	32.62	14.63	71.90	12.96	2.06	58.94	7.59
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	20	10.13	32.80	20.14	70.67	10.54	1.54	60.13	9.03
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	30	9.25	33.14	27.91	58.37	7.43	0.95	50.94	8.90
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	40	8.86	33.40	32.75	55.88	7.09	0.78	48.79	8.92
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	50	8.45	33.66	35.54	52.90	5.35	0.73	47.55	7.88
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	60	8.20	33.74	38.07	54.99	6.84	0.39	48.15	9.25
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	71	7.97	33.82	39.08	50.50	7.83	0.50	42.67	8.90
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	100	7.31	33.91	39.49	58.81	7.99	0.45	50.83	7.87
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	145	6.71	34.01	43.36	58.51		0.53		8.18
W0004B	4/16/00	22:21	41	HH-03	44.00	-124.6	150	6.71	34.01	41.85	51.54		0.78		6.50
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	2	11.58	30.10	8.49	81.02	8.65	1.25	72.37	6.88
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	5	10.76	31.22			10.53	1.49		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	10	10.06	32.48			13.00	2.03		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	16	9.88	32.62			13.78	2.04		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	20	9.69	32.66			12.09	1.62		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	30	9.46	32.67			8.59	0.98		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	40	9.32	32.70			4.10	0.61		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	50	9.22	32.81			3.68	0.64		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	60	9.11	33.13			4.48	0.64		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	70	8.90	33.36						
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	95	7.85	33.76				0.58		
W0004B	4/17/00	0:54	42	HH-04	44.00	-124.8	100	7.65	33.81			6.64	0.59		
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	1	11.10	32.11	7.81		7.77	1.19		6.62
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	10	10.84	32.30	9.72		10.28	1.52		7.45
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	15	10.75	32.32	11.63		9.07	1.32		7.41
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	20	9.92	32.52	12.92		6.99	0.97		7.71
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	30	9.86	32.58	13.24		4.96	0.45		7.85
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	40	9.79	32.70	13.30		4.30	0.32		7.61
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	50	9.65	32.74	14.16			0.22		7.97
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	70	9.35	33.00	18.87					7.97

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	100	8.87	33.47	30.71		3.93	0.29		7.95
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	150	7.39	33.92	38.38					5.98
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	195	7.16	33.97	39.45					5.84
W0004B	4/17/00	4:00	43	HH-05	44.00	-125.	500	5.45	34.11	44.03					4.25
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	1	11.20	32.28	8.26	78.60	6.89	0.98	71.71	6.81
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	10	11.19	32.28			7.35	0.97		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	20	10.58	32.33			7.10	0.98		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	28	10.38	32.62			4.89	0.55		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	30	10.34	32.71			4.26	0.50		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	40	10.20	32.77			4.43	0.58		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	50	9.97	32.73			3.63	0.42		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	70	9.92	32.92			3.74	0.22		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	100	9.13	33.48			3.46	0.26		
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	150	8.28	33.85						
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	900	3.92	34.37						
W0004B	4/17/00	5:53	44	HH-07	44.00	-125.2	1005	3.69	34.41						
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	1	11.41	32.57	8.20	68.90	5.38	0.76	63.52	7.44
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	10	11.41	32.57			5.13	0.75		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	20	11.41	32.71			4.82	0.61		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	30	11.14	32.83			4.06	0.45		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	35	11.08	32.84			3.67	0.39		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	40	10.99	32.85				0.36		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	50	10.68	32.84				0.31		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	70	9.66	32.81			3.54	0.34		
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	100	9.34	33.27						
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	150	8.21	33.81						
W0004B	4/17/00	7:54	45	HH-09	44.00	-125.4	1005	3.70	34.41						
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	1	10.30	32.79	18.91		12.69	2.34		8.84
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	4	10.30	32.79	19.09	75.94	13.93	2.37	62.01	9.12
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	7	10.21	32.83	20.66	69.35	13.03	2.28	56.32	9.49
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	10	9.68	33.06	20.24		10.79	1.54		8.56
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	15	9.13	33.31	24.08	66.08	9.92	1.30	56.16	6.01
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	20	8.70	33.57	30.48	61.07	8.31	0.96	52.76	9.64
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	25	8.50	33.64	34.62	51.82	5.89	0.73	45.93	8.89
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	30	8.40	33.69	33.84		6.52	0.86		6.00
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	40	8.30	33.71	36.34	52.62	6.31	0.81	46.31	7.55
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	45	8.14	33.76	35.62	62.80	5.51	0.67	57.29	5.80
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	49	8.13	33.76	37.72		6.02	0.76		7.39
W0004B	4/13/00	16:50	15	FM-03	43.22	-124.5	55	8.12	33.77	37.53		5.95	0.72		7.20
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	2	10.22	32.90	20.67		11.26	2.13		8.07
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	5	10.22	32.90	21.85	66.30	11.16	2.08	55.15	9.19
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	11	9.49	33.18	25.24	61.66	8.29	1.64	53.38	7.93
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	16	9.09	33.38	29.53		6.92	1.26		8.02
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	20	8.99	33.43	33.17	58.04	6.38	1.01	51.66	8.13
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	30	8.32	33.73	37.20	50.99	4.24	0.68	46.75	8.74
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	40	8.10	33.85	37.09	56.72	4.17	0.60	52.55	7.14
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	51	8.01	33.90	38.06			0.46		7.69
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	60	7.79	33.92	38.10		3.45	0.44		6.55
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	70	7.55	33.93	39.00	54.22	3.91	0.47	50.31	7.04
W0004B	4/13/00	14:03	13	FM-04	43.22	-124.58	80	7.54	33.93	39.88		4.55	0.51		7.80

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	2	10.73	31.83	8.45	70.40	8.99	2.11	61.41	5.72
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	10	10.71	31.82			9.95	2.25		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	21	10.20	32.34			9.19	1.96		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	24	9.99	32.53			5.97	0.73		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	30	9.36	32.98			8.68	1.07		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	41	8.99	33.39			6.20	0.60		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	49	8.50	33.60			3.73	0.32		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	60	8.29	33.76			3.45	0.26		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	70	8.18	33.83			3.89			
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	100	7.45	33.94			4.74			
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	124	7.33	33.95			5.69	0.49		
W0004B	4/13/00	18:44	16	FM-05	43.22	-124.67	153	7.15	33.98						
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	2	10.70	32.36	9.11	62.78	11.82	2.09	50.96	6.11
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	10	10.70	32.35	9.19	66.89	13.16	2.31	53.73	5.89
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	15	10.64	32.37	8.71	69.33	11.94	2.17	57.39	5.48
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	20	10.42	32.46	9.68	67.78	10.62	1.92	57.15	6.00
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	30	10.04	32.55	11.93	55.32	7.27	1.36	48.05	6.46
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	40	9.64	32.67	14.35	51.49	6.03	1.13	45.46	6.54
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	50	9.54	32.83	14.48	49.15	4.79	0.70	44.36	6.53
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	70	9.12	33.35	25.78	48.70	4.31	0.71	44.40	7.13
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	100	8.56	33.74	35.33	36.83	3.64	0.52	33.19	7.58
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	150	7.59	33.95	37.99	40.08				6.78
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	300	6.38	34.05	42.32	35.59				6.35
W0004B	4/13/00	22:35	18	FM-07	43.22	-124.83	335	6.19	34.06	42.59	39.77				5.76
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	1	11.31	32.42	7.27	60.50	9.53		50.97	6.60
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	10	11.30	32.42			6.42	1.13		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	21	10.14	32.54			8.30	1.03		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	25	9.95	32.60			7.26	0.53		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	30	9.99	32.71			5.11	0.53		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	41	9.87	32.71			4.67	0.51		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	51	9.75	32.72			3.53	0.60		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	70	9.71	32.94				0.59		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	101	8.74	33.57			3.41	0.64		
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	150	8.13	33.87						
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	800	4.14	34.33						
W0004B	4/14/00	1:58	19	FM-08	43.22	-125.	1005	3.61	34.42						
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	1	11.51	32.67	9.64	63.61	6.49	0.72	57.12	7.80
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	10	11.50	32.68	9.49	68.55	6.82	0.74	61.74	8.19
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	20	11.29	32.71	9.93	66.69	6.88	0.69	59.81	8.26
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	25	11.06	32.72	10.31	66.15	7.33		58.82	
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	30	11.00	32.72	10.51	68.59	6.89		61.70	
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	40	10.95	32.73	11.69	65.50	5.19		60.31	
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	50	10.82	32.76	12.40	60.51	4.37		56.15	9.37
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	70	10.40	32.84	15.16	57.77				9.75
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	100	9.53	33.32	28.59	53.39	3.65		49.73	12.28
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	150	8.36	33.78	39.38	46.72				11.55
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	900	3.90	34.37	53.20	34.87				8.93
W0004B	4/14/00	4:00	20	FM-09	43.22	-125.17	1005	3.69	34.41	53.57	34.84				9.27
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	1	10.94	31.60	20.36	106.20	42.06	6.58	64.14	9.40
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	6	10.14	32.83	26.19	84.86	21.58	4.59	63.28	10.01
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	9	9.79	33.18	27.90	78.26	20.56	3.89	57.70	9.11



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	15	9.79	33.29	28.41	66.57	11.35	1.99	55.21	9.89
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	19	9.69	33.36	28.91	68.17	12.74	1.88	55.43	10.29
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	20	9.69	33.36	28.86	68.36	12.33	2.15	56.03	10.00
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	25	9.24	33.49	31.31	70.70	12.62	2.20	58.08	9.99
W0004B	4/16/00	2:12	35	RR-01	42.50	-124.5	30	8.96	33.61	32.68	62.38	13.07	1.99	49.31	9.68
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	1	10.66	32.60	15.83	74.20	17.65	2.63	56.55	9.95
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	5	10.66	32.61	29.08	89.55	22.96	3.65	66.59	14.01
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	11	9.98	33.02	32.60	76.93	14.70	2.69	62.23	12.68
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	11	9.98	33.02	33.72	73.39	11.40	1.91	61.99	14.28
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	22	9.63	33.46	36.03	58.76	8.49	1.31	50.27	14.39
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	31	9.16	33.60	37.60	58.50	5.78	0.82	52.73	16.20
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	34	9.13	33.61	37.85	63.66	6.42	0.88	57.24	14.17
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	39	9.08	33.63	37.85	58.44	8.69	0.81	49.75	14.41
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	52	8.98	33.66	39.28	55.07	8.18	0.52	46.89	15.08
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	61	8.60	33.75	41.66	53.42	6.37	0.67	47.05	14.62
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	70	8.39	33.80	42.19	55.59	6.81	0.77	48.78	13.91
W0004B	4/16/00	3:23	36	RR-02	42.50	-124.6	81	8.24	33.81	44.13	50.74	11.34	1.47	39.40	14.66
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	1	11.14	32.45	8.33	60.90	9.05	1.41	51.85	6.29
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	5	11.08	32.44			6.90	1.25		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	11	10.52	32.50			7.58	1.47		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	15	9.99	32.64			7.16	1.30		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	20	9.68	32.79			5.02	0.69		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	30	9.52	33.05			4.34	0.54		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	40	9.14	33.36			7.45	1.24		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	50	9.14	33.41			9.37	1.53		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	61	9.23	33.56			5.35	0.60		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	70	9.08	33.66			7.91	1.03		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	116	8.04	33.87			5.53	0.77		
W0004B	4/16/00	6:11	37	RR-03	42.50	-124.7	122	8.04	33.87			4.99	0.58		
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	1	11.59	32.55	8.14		8.07	1.61		5.76
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	10	11.22	32.55	7.89	80.11	8.14	1.40	71.97	5.93
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	20	10.76	32.58	10.48	82.18	7.36	1.26	74.82	6.37
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	25	10.20	32.71	13.35	86.99	7.26	0.79	79.73	7.04
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	30	10.03	32.75	13.44	57.74	4.30	0.40	53.44	7.09
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	40	9.74	32.73	13.73	60.51	4.38	0.49	56.13	6.55
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	50	9.75	32.92	19.01	58.49	3.94	0.35	54.55	8.16
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	70	9.17	33.39	28.11	57.22		0.28		8.40
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	100	8.22	33.79	31.21		4.05	0.35		8.24
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	150	7.75	33.92	36.90					9.02
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	500	5.58	34.14	38.32					
W0004B	4/15/00	22:58	34	RR-04	42.50	-124.8	1005			44.61					
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	2	11.32	32.57	7.68	66.50	4.91	0.90	61.59	6.34
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	10	11.24	32.62	8.05		5.12	0.88		6.69
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	17	11.24	32.63	8.38		4.79	0.60		7.02
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	20	11.25	32.63	8.60		10.30	1.86		5.86
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	30	10.76	32.76	10.64		4.20	0.64		7.46
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	40	10.66	32.82	13.53		3.70	0.70		8.27
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	50	10.58	32.85	15.42			0.41		9.11
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	70	10.12	32.97	21.44			0.47		10.09
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	100	8.99	33.54	37.70	55.56		0.73		13.13
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	150	8.05	33.89	43.89	54.36				14.53

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	960	3.83	34.40		48.73				
W0004B	4/15/00	20:59	33	RR-06	42.50	-125.	1007	3.74	34.41		46.70				
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	1	11.41	32.46	7.83	63.00	6.75	1.00	56.25	6.55
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	10	11.38	32.50			7.51	1.34		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	20	11.05	32.55			8.01	1.46		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	30	10.83	32.60			5.57	1.19		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	32	10.69	32.68			4.57	1.00		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	40	10.74	32.82			3.73	0.84		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	50	10.75	32.86			3.98	0.50		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	70	10.43	32.95			3.86	0.46		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	100	9.25	33.45			4.70	0.65		
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	150	8.29	33.85						
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	440	6.01	34.10						
W0004B	4/15/00	18:47	32	RR-07	42.50	-125.2	1005	3.63	34.42						
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	1	10.40	33.17	24.22	91.90	28.26	5.32	63.64	11.92
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	3	10.38	33.17	26.49	88.88	26.00	4.92	62.88	13.72
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	5	10.38	33.17	21.27	84.03	22.61	4.15	61.42	8.29
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	10	10.32	33.18	22.98	87.15	20.79	3.91	66.35	8.49
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	15	10.07	33.25	24.59	68.27	19.49	3.67	48.78	8.24
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	20	9.74	33.35	26.60	67.38	18.56	3.36	48.82	9.65
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	25	9.47	33.40	28.51		11.94	1.96		10.93
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	30	9.07	33.54	30.84		6.43	1.05		8.43
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	33	8.84	33.65	33.73		10.38	1.52		8.54
W0004B	4/14/00	15:54	22	CR-01	41.90	-124.3	36	8.74	33.68	34.10		15.20	1.50		7.97
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	2	11.02	32.42	8.93	74.60	8.06	1.42	66.54	7.51
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	5	11.02	32.42	8.58	69.50	7.06	1.38	62.44	7.20
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	10	11.03	32.42	14.19	80.70	7.80	1.58	72.90	12.62
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	20	10.45	32.72	15.82	67.10	8.09	1.46	59.01	8.66
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	25	10.39	32.74	17.95	63.20	7.69	1.32	55.51	8.72
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	30	9.67	32.99	22.36	63.10	5.95	1.01	57.15	10.69
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	41	9.15	33.32	29.60	56.30	4.55	0.55	51.75	10.40
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	50	9.04	33.45	30.34	58.18	4.69	0.45	53.49	8.86
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	61	8.60	33.63	33.42			0.26		8.29
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	70	8.53	33.66	33.38	58.84	3.37	0.31	55.48	7.76
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	100	7.90	33.92	37.98	51.91	3.37	0.23	48.54	9.51
W0004B	4/14/00	13:23	21	CR-03	41.90	-124.5	130	7.74	33.93	39.25	55.36	5.38	0.65	49.98	7.78
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	2	11.06	32.43	6.94		10.83	1.69		4.85
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	10	11.00	32.44	7.70	72.49	10.99	1.78	61.50	5.51
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	20	10.97	32.44	7.05	69.95	11.27	1.94	58.68	2.95
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	25	10.91	32.45	8.83	70.45	10.75	1.75	59.70	4.04
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	30	10.49	32.59	14.28	68.72	7.91	1.32	60.81	6.86
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	40	9.77	32.82	20.26	66.40	6.55	0.98	59.85	6.96
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	50	9.30	33.16	25.78	59.14	5.04	0.89	54.10	6.96
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	70	8.83	33.57	32.25	56.20	5.12	0.73	51.08	6.84
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	100	8.27	33.80	34.55	55.93	3.61	0.56	52.33	5.68
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	150	7.65	33.94	37.02	52.20				
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	450	5.40	34.15	44.48	42.80				
W0004B	4/14/00	19:03	24	CR-04	41.90	-124.6	495	5.26	34.17	45.24	41.70				
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	2	11.31	32.57	8.21	72.20	11.32	1.66	60.88	6.55
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	10	11.25	32.57			11.72	1.84		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	20	11.17	32.57			11.46	1.81		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	25	10.96	32.54			9.12	1.57		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	30	10.70	32.51			5.82	0.83		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	40	10.00	32.65			4.47	0.76		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	50	9.61	32.90			4.68	0.69		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	70	8.98	33.40			3.83	0.44		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	100	8.48	33.74			3.96	0.63		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	150	7.71	33.95				0.21		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	500	5.10	34.19				0.27		
W0004B	4/14/00	22:53	25	CR-05	41.90	-124.7	650	4.56	34.27			4.29	0.58		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	1	11.63	32.59	8.19	63.80	7.69	0.97	56.11	7.10
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	10	11.52	32.60			8.66	1.28		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	15	11.42	32.61			8.17	1.19		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	20	11.38	32.61			6.56	0.94		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	30	10.98	32.69			5.68	0.76		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	40	10.96	32.73				0.52		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	50	10.87	32.74			4.45	0.33		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	70	10.71	32.81			3.81	0.27		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	100	9.40	33.02			3.62	0.30		
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	150	8.31	33.82						
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	360	5.85	34.08						
W0004B	4/15/00	3:25	27	CR-07	41.90	-125.	500	5.36	34.14						
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	1	11.42	32.60	9.29		13.01	1.95		7.34
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	10	11.42	32.60	9.22	76.85	11.53	1.77	65.32	7.37
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	20	11.34	32.60	9.23	75.64	8.02	1.22	67.62	7.57
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	25	11.49	32.60	9.65	69.96	7.10	1.08	62.86	7.99
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	30	11.42	32.64	9.69	58.51	5.89	0.76	52.61	7.69
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	40	10.89	32.66	10.76	63.06	5.54	0.87	57.52	7.84
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	50	10.65	32.63	10.94	62.56	5.06	0.67	57.49	7.66
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	70	10.71	32.70	11.52	55.62	4.38	0.54	51.24	7.29
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	100	9.99	33.17	20.79	58.74	3.36	0.37	55.38	7.97
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	150	8.78	33.76	32.87	53.24				8.79
W0004B	4/15/00	8:42	29	CR-09	41.90	-125.33	1005	3.66	34.42	49.30	43.55				4.85
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	1	11.52	32.68	8.23	66.50	8.93	1.31	57.57	6.66
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	10	11.53	32.68			8.55	1.40		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	20	11.31	32.76			7.78	1.39		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	25	10.92	32.81			7.38	1.34		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	30	10.75	32.82			0.00	0.00		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	41	10.52	32.81			4.86	0.78		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	50	10.42	32.81			5.20	0.65		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	70	9.79	32.91			5.39	0.65		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	101	8.51	33.34				0.52		
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	151	8.05	33.79						
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	766	4.25	34.31						
W0004B	4/15/00	13:24	31	CR-11	41.90	-126.	1005	3.61	34.43						
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	1	10.92	32.61	27.88	100.74	36.68	6.72	64.06	9.66
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	5	10.87	32.62	31.61	74.57	22.59	4.12	51.98	6.71
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	7	10.09	32.83	35.86	57.35	12.52	2.01	44.83	5.62
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	10	9.23	33.12	37.13	54.32	9.36	0.83	44.96	5.70
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	15	8.42	33.40	40.72	52.45	8.00	0.48	44.46	6.36
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	20	8.09	33.55	39.94	48.32	5.53		42.79	5.28

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	26	7.79	33.78	39.82	48.24	7.89		40.36	5.24
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	29	7.68	33.83	40.82	47.43	7.85		39.58	4.98
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	40	7.37	33.93	40.66	43.94	10.22		33.73	4.55
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	46	7.33	33.93	40.70	42.24	9.11	0.74	33.13	3.58
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	50	7.30	33.93	40.82	44.43	11.48	0.79	32.95	3.65
W0007A	7/7/00	19:57	3	NH-05	44.65	-124.18	55	7.23	33.94	40.90	45.43	13.04	1.39	32.39	3.23
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	1	13.95	31.20	10.48	117.68	32.17	4.94	85.51	5.54
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	5	13.95	31.21	11.87	103.42	32.44	5.13	70.98	6.44
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	10	11.38	31.97	14.96	71.98	18.96	3.43	53.01	6.27
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	20	8.84	32.58	15.49	60.62	8.87	1.61	51.75	6.37
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	27	8.42	32.65	16.66	58.43	8.37	1.28	50.06	5.87
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	30	8.37	32.66	20.72	58.71	7.01	0.97	51.71	7.63
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	40	8.05	32.92	26.82	51.63		0.72		5.59
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	50	8.01	33.29	32.26	53.60	5.53	0.83	48.07	4.80
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	60	7.88	33.66	35.50	47.91	6.48	0.89	41.43	3.64
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	70	7.66	33.82	38.63	44.30	5.92	0.92	38.38	3.50
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	76	7.55	33.85	38.79	42.24	9.21	1.18	33.03	2.76
W0007A	7/8/00	1:44	6	NH-15	44.65	-124.41	85	7.41	33.89	41.45	42.19	8.55	1.20	33.65	4.42
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	1	14.85	31.17	11.68	96.78	18.01	2.97	78.77	8.71
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	10	14.26	31.33	11.33	94.26	19.20	2.91	75.06	8.43
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	20	10.08	32.39	10.25	83.96	13.52	2.06	70.45	8.19
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	25	9.34	32.51	10.05	83.33	11.35	1.77	71.97	7.92
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	30	8.85	32.58	14.53	69.82	5.60	0.74	64.22	8.67
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	40	8.56	32.67	18.37	66.19	5.65	0.40	60.54	7.96
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	50	8.29	32.80	21.67	61.60				7.87
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	70	8.15	33.32	30.09	55.20				7.00
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	100	7.69	33.81	39.24	62.46		0.78		4.37
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	150	6.85	33.99	39.56	48.14				2.94
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	200	6.54	34.01	40.52	48.70				2.91
W0007A	7/8/00	5:35	8	NH-25	44.65	-124.65	230	6.42	34.01	40.83	49.03				2.67
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	2	15.56	30.94	7.88	71.71	11.17	1.26	60.53	5.06
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	10	15.53	30.94			12.35	1.55		
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	20	12.60	32.05			7.60	0.69		
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	30	10.40	32.54			6.35	0.74		
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	32	10.03	32.59				0.54		
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	40	9.25	32.65			5.88	0.46		
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	50	8.71	32.68				0.43		
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	70	8.37	32.89						
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	100	8.17	33.59						
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	150	7.12	33.97						
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	397	5.98	34.04						
W0007A	7/8/00	8:59	9	NH-35	44.65	-124.88	426	5.91	34.05						
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	1	16.04	29.79	7.22	78.71	11.37	1.62	67.34	5.59
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	10	15.54	30.41			12.03	1.53		
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	20	12.92	31.90			11.36	1.38		
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	25	10.85	32.39			8.00	0.92		
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	30	10.03	32.54			6.79	0.62		
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	40	9.25	32.64			7.03	0.37		
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	50	8.87	32.70			5.21			
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	70	8.63	32.84			4.85			
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	100	8.31	33.36			4.72			

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	150	7.69	33.89						
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	500	5.19	34.12						
W0007A	7/8/00	14:19	10	NH-45	44.65	-125.12	664	4.58	34.26						
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	1	16.53	29.66	7.42	74.15	7.76	1.17	66.38	6.14
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	10	15.96	30.76			6.98	1.27		
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	20	15.34	31.52			6.46	0.84		
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	31	14.19	32.51			5.68			
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	40	12.45	32.64			5.87	0.54		
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	50	10.43	32.72			5.70	0.51		
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	60	10.02	32.76				0.43		
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	69	9.44	32.80			5.63			
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	100	8.73	33.10						
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	150	8.14	33.76						
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	860	4.03	34.35						
W0007A	7/8/00	18:24	12	NH-65	44.65	-125.6	1004	3.67	34.41						
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	2	16.07	31.48	8.73	70.65	6.34	0.53	64.31	8.20
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	10	16.02	31.52		72.43	6.97	0.76	65.46	
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	20	15.87	31.66	8.81					
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	30	15.03	32.24	8.49	70.85	6.08	0.62	64.78	7.87
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	40	13.90	32.58	8.38	73.34	6.90	0.83	66.44	7.56
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	50	12.72	32.61	9.67	69.40	8.55	1.17	60.84	8.39
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	60	10.57	32.67	12.13	62.26	6.07	0.81	56.19	8.22
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	70	9.62	32.71	14.58	65.29			65.29	8.87
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	100	8.89	33.00	22.33			0.45		7.31
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	150	8.12	33.72	32.23					5.66
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	800	4.16	34.32		49.75				
W0007A	7/8/00	21:15	13	NH-85	44.65	-126.05	1006	3.66	34.41		42.80				
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	2	9.00	33.58	35.20	116.15	28.62	4.93	87.53	7.19
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	5	8.98	33.58	37.12	123.48	27.29	5.17	96.19	8.76
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	8	8.90	33.59	36.44	121.63	26.47	5.04	95.17	8.33
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	10	8.89	33.59	37.16	128.20	29.03	4.87	99.16	8.52
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	15	8.49	33.65	38.38	83.27	20.80	3.84	62.46	
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	19	8.26	33.71	37.91	77.83	17.91	3.41	59.92	4.78
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	25	8.19	33.76	38.38	81.42	19.39	3.41	62.03	4.74
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	30	8.16	33.78	40.11	69.26	15.08	2.54	54.19	3.98
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	40	7.51	33.89	42.36	55.58	11.28	1.74	44.29	4.02
W0007A	7/12/00	23:47	41	HH-01	44.00	-124.2	48	7.37	33.92	41.74	62.27	13.46	2.31	48.81	2.33
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	1	11.73	32.91	13.96	86.72	30.29	4.98	56.42	7.78
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	5	11.70	32.91			28.09	4.65		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	10	11.60	32.90			24.12	4.11		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	15	10.90	32.85			18.03	2.72		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	20	8.43	32.84			6.67	0.56		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	30	8.13	33.19			7.50	0.85		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	40	8.08	33.36			6.11	0.67		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	50	8.05	33.57			11.45	1.74		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	60	7.68	33.81						
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	70	7.49	33.92				0.54		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	100	7.06	33.99				0.45		
W0007A	7/13/00	1:29	42	HH-02	44.00	-124.4	115	6.90	33.99			8.13	0.75		
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	1	12.75	32.42	11.64	95.84	29.47	4.20	66.36	7.35

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	5	12.79	32.40	12.30	93.69	34.59	5.05	59.10	7.01
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	10	12.51	32.51	13.01	80.05	22.74	3.47	57.31	8.08
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	20	9.74	32.46	19.75	60.48	17.61	3.00	42.88	5.84
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	30	8.20	33.12	29.01	48.62	10.70	1.58	37.92	5.54
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	40	8.19	33.41	31.44	53.20		0.70		5.73
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	50	8.00	33.56	33.90	50.11		0.58		6.11
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	60	7.92	33.66	35.02	39.61	6.09	0.86	33.52	6.00
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	70	7.76	33.77	37.20	39.50		0.50		6.25
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	100	7.14	33.97	38.79	37.49	6.41	1.02	31.08	3.90
W0007A	7/13/00	4:02	43	HH-03	44.00	-124.6	145	6.68	34.00	40.52	50.85	10.01	1.34	40.83	3.09
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	1	13.18	31.90	11.79	90.31	23.07	3.68	67.24	7.91
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	5	13.15	31.91			25.18	3.87		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	8	13.00	31.95			19.58	3.76		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	10	11.83	32.03			14.82	2.55		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	20	8.73	32.63			8.90	1.09		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	30	8.29	32.93				0.46		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	40	8.50	33.21				0.51		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	50	8.42	33.44						
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	60	8.41	33.53						
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	70	8.19	33.72				0.52		
W0007A	7/13/00	6:30	44	HH-04	44.00	-124.8	95	8.09	33.77				0.31		
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	2	14.56	31.93	9.14	90.80	12.87	1.94	77.93	6.27
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	10	14.29	32.46	8.45	72.00	9.78	1.22	62.23	6.85
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	20	14.17	32.55	8.75	74.77	10.25	1.36	64.52	6.66
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	30	11.01	32.70	13.27		9.57	1.51		7.85
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	36	9.96	32.77	18.53	66.36	8.67	1.09	57.69	7.30
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	40	9.74	32.80	19.14	66.72	8.73	1.14	57.99	6.43
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	50	9.26	32.98	20.87	58.87		0.52		6.09
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	70	8.87	33.32	28.81	53.83				6.95
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	100	8.31	33.72	33.37	53.36		0.30		5.23
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	150	7.70	33.94	36.04	54.61				4.55
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	500	5.39	34.10		46.61				
W0007A	7/13/00	8:13	45	HH-05	44.00	-125.	885	4.19	34.34		45.17				
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	1	14.16	32.57	9.68	67.90	11.47	1.82	56.44	7.63
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	10	14.16	32.56			11.79	1.66		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	20	13.52	32.56						
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	30	12.81	32.60			10.17	1.31		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	40	10.63	32.68			8.10	1.28		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	44	10.43	32.72			8.37	1.03		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	50	10.16	32.83			5.75	0.84		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	70	9.37	33.14				0.52		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	100	8.40	33.70				0.46		
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	149	7.77	33.94						
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	890	4.06	34.36						
W0007A	7/13/00	11:48	46	HH-07	44.00	-125.2	1006	3.76	34.40						
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	1	13.63	32.47	9.76	69.28	13.79	2.96	55.49	6.70
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	10	13.32	32.52			15.67	3.28		
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	20	13.19	32.54			10.77	2.09		
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	30	9.90	32.65						
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	38	9.19	32.78			9.01	1.31		
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	40	9.03	32.80			9.77	1.33		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	50	9.12	33.04			7.51	1.03		
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	70	8.82	33.43			6.63	0.84		
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	100	8.63	33.78				0.49		
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	150	7.64	33.95						
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	740	4.44	34.30						
W0007A	7/13/00	13:36	47	HH-09	44.00	-125.4	1005	3.77	34.41						
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	2	10.84	33.71	22.36	139.20	51.13	7.41	88.08	14.20
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	5	10.72	33.71	24.69	134.77	47.61	7.80	87.16	14.11
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	8	10.37	33.69	25.01	115.15	38.56	6.44	76.59	13.84
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	10	9.81	33.69	25.26	114.00	36.97	6.64	77.03	11.79
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	15	9.14	33.68	31.33	92.01	26.69	4.43	65.32	11.97
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	20	8.54	33.71	38.00	64.54	10.96	1.41	53.58	11.98
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	25	8.28	33.78	42.81	60.32	16.55	2.20	43.78	12.58
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	30	7.84	33.85	42.55	55.12	11.68	1.76	43.44	8.91
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	40	7.68	33.88	44.50	57.16	12.86	1.81	44.30	9.49
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	50	7.64	33.89	46.87	59.00	17.73	3.03	41.27	9.86
W0007A	7/9/00	20:12	20	FM-03	43.22	-124.5	53	7.62	33.89	46.31	65.30	20.16	2.77	45.14	9.61
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	1	12.25	33.19	14.04	124.70	41.64	6.76	83.06	7.09
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	5	12.15	33.22			44.67	7.78		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	10	10.88	33.27			31.24	5.37		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	12	10.25	33.31			27.43	4.48		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	20	9.08	33.42			17.36	2.38		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	30	8.54	33.72			15.84	1.92		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	40	8.13	33.78			9.70	1.21		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	45	8.13	33.79			9.01	1.07		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	50	8.04	33.79			12.58			
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	60	7.73	33.88			7.61			
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	70	7.49	33.94			11.62	1.07		
W0007A	7/9/00	18:12	19	FM-04	43.22	-124.58	78	7.46	33.95			25.09	3.11		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	1	12.43	32.94	11.82	85.15	20.18	3.69	64.97	6.37
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	10	10.05	32.90			14.16	2.29		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	15	9.44	33.14			12.18	1.94		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	20	9.10	33.21			8.08	1.12		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	30	8.71	33.45			8.99	1.32		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	40	8.53	33.63			6.60	0.84		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	50	8.42	33.69			8.14	1.01		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	60	8.22	33.75			8.58	1.09		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	70	7.96	33.82			10.70	1.15		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	100	7.68	33.94			7.96	0.70		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	104	7.67	33.95			12.52	1.06		
W0007A	7/9/00	15:59	18	FM-05	43.22	-124.67	149	7.21	33.99						
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	1	13.19	32.91	7.71	84.31	20.71	3.79	63.60	3.76
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	10	12.72	32.90	9.44	81.36	20.75	3.92	60.61	5.36
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	20	10.16	33.15	19.31	85.04	23.10	4.15	61.95	7.05
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	23	9.80	33.26	21.33	76.16	22.69	3.96	53.46	7.15
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	30	9.13	33.25	25.44	57.32	11.41	1.60	45.91	7.69
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	40	9.23	33.42	26.19	59.27	10.28	1.40	48.99	6.70
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	50	9.18	33.56	27.07	53.30	6.30	0.73	46.99	7.14
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	70	8.44	33.72	28.74	59.37	6.14	0.64	53.23	5.52
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	100	7.90	33.88	34.47	44.88				5.02
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	150	7.49	33.97	36.66	48.18	5.75		42.43	4.57

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	300	6.26	34.08	41.36	44.64		0.62		3.16
W0007A	7/9/00	11:02	16	FM-07	43.22	-124.83	320	6.13	34.08	41.40	48.03	6.01	0.70	42.02	2.71
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	2	13.74	32.69	8.00	89.02	15.51	2.60	73.51	5.10
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	10	12.80	32.68			15.78	2.93		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	15	10.90	32.81			16.05	2.79		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	20	10.11	32.85			13.82	2.16		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	30	9.82	32.98			11.98	1.68		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	40	9.42	33.09			15.88	1.60		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	50	9.24	33.29			7.02	1.00		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	70	9.05	33.41			5.52	0.75		
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	100	8.27	33.68						
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	150	7.51	33.95						
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	830	4.18	34.33						
W0007A	7/9/00	8:26	15	FM-08	43.22	-125.	1005	3.81	34.41						
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	2	15.13	32.44	6.94	79.18	16.66	3.07	62.52	3.70
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	10	14.87	32.41	7.19	75.11	11.34	1.81	63.77	5.18
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	20	12.23	32.43	8.38	75.61	14.88	2.59	60.73	5.61
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	30	10.75	32.66	10.34	74.80	16.83	3.17	57.97	5.20
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	35	10.28	32.73	13.57	70.97	14.79	2.76	56.18	5.64
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	40	9.81	32.78	15.49	69.83	9.97	1.91	59.85	6.21
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	50	9.00	32.85	21.67	63.22		1.15		6.71
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	70	8.61	33.14	25.11	57.97		0.81		5.63
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	100	8.32	33.70	32.14	57.86		0.84		4.61
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	150	7.55	33.96	34.79	51.50				7.86
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	737	4.36	34.28		48.44				
W0007A	7/9/00	6:37	14	FM-09	43.22	-125.17	1005	3.68	34.43		45.49				
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	1	7.71	33.98	40.48		14.95	2.49		4.73
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	5	7.71	33.98	39.63		15.46	2.65		3.70
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	9	7.71	33.98	40.10		14.99	2.15		4.74
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	15	7.71	33.98	40.06		17.63	2.88		3.96
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	17	7.70	33.98	40.03	54.20	13.67	2.35	40.53	4.46
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	20	7.70	33.98	39.04	60.60	17.39	2.88	43.21	2.87
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	24	7.70	33.98	39.53		11.25	1.95		4.24
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	30	7.69	33.98	39.00	60.09				
W0007A	7/11/00	16:25	34	RR-01	42.50	-124.5	32	7.69	33.98	38.89	50.83	16.15	2.98	34.69	2.79
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	2	8.49	33.90	36.65	50.17	13.48	2.07	36.70	8.98
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	5	8.49	33.90			13.47	1.98		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	12	8.49	33.89			12.23	1.82		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	17	8.49	33.89			11.69	1.84		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	20	8.48	33.90			12.51	1.91		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	31	8.45	33.90			3.52	0.42		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	41	8.13	33.92			8.32	1.23		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	50	7.68	33.94			5.40	0.81		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	60	7.61	33.97			11.75	1.65		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	71	7.59	33.99			11.89	1.80		
W0007A	7/11/00	17:43	35	RR-02	42.50	-124.6	82	7.58	33.99			13.30	2.38		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	3	9.11	33.78	34.19	57.69	23.30	3.70	34.39	8.69
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	5	9.12	33.78			24.41	3.82		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	10	9.08	33.78			16.26	2.87		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	20	9.05	33.79			22.05	3.62		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	25	9.06	33.79			19.69	3.22		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	30	9.06	33.79			18.52	3.40		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	40	9.03	33.79			19.93	3.40		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	50	8.92	33.82			16.18	2.89		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	60	8.68	33.85			14.61	2.60		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	70	8.69	33.85			15.65	2.70		
W0007A	7/11/00	20:15	36	RR-03	42.50	-124.7	123	7.74	33.98			8.82	0.86		
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	2	9.77	33.53	28.56		8.07	1.53		8.17
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	10	9.75	33.53	28.62		7.75	1.26		8.48
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	20	9.57	33.56	27.99		8.16	1.23		7.27
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	28	9.53	33.58	28.92		6.39	0.75		7.07
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	30	9.46	33.60	29.32		5.57	1.05		6.67
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	40	9.44	33.67	30.06			0.45		6.61
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	50	9.33	33.68	30.38					6.69
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	70	8.73	33.69	32.07		7.51	1.02		6.13
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	100	8.27	33.84	35.95		6.14	0.70		4.68
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	150	7.73	33.99	36.50					4.94
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	445	5.96	34.11	42.60					2.88
W0007A	7/12/00	2:25	37	RR-04	42.50	-124.8	500	5.63	34.14	43.30					2.64
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	2	11.16	32.89	16.11	64.12	12.52	1.84	51.60	8.42
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	10	11.16	32.89			11.51	1.90		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	20	11.16	32.89			11.57	1.93		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	25	11.14	32.81			10.33	1.68		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	30	11.14	32.91			9.74	1.88		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	40	11.11	32.93			9.71	1.73		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	50	10.82	33.04			9.45	1.59		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	70	10.22	33.31			10.20	1.67		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	100	9.18	33.68				0.97		
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	150	7.86	33.93						
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	880	4.27	34.34						
W0007A	7/12/00	9:39	39	RR-06	42.50	-125.	1005	3.93	34.39						
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	3	10.86	33.03	19.79		8.28	1.75		9.80
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	10	10.86	33.02	19.86		9.57	1.89		9.68
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	21	10.86	33.03	20.54		9.97	2.02		10.23
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	30	10.86	33.03	20.52		9.32	1.75		10.35
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	35	10.85	33.03	20.86		10.48	2.13		10.06
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	40	10.86	33.03	21.52		9.47	1.86		10.59
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	50	10.35	33.31	22.76		8.94	1.71		10.75
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	70	9.36	33.67	32.96		6.03	0.96		10.56
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	100	8.30	33.76	38.32			0.49		9.87
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	150	7.51	33.97	42.57					9.34
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	840	4.19	34.36	51.96					6.64
W0007A	7/12/00	12:32	40	RR-07	42.50	-125.2	1002	3.84	34.41	51.14					5.74
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	1	9.92	33.86	32.67	161.99	52.45	9.13	109.53	13.32
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	5	9.93	33.85	30.79	170.53	47.51	10.47	123.03	
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	11	9.92	33.86	31.58	173.87	60.53	10.50	113.35	9.58
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	15	9.55	33.88	32.62	110.33	34.37	6.35	75.97	15.39
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	21	8.75	33.91	36.29	71.03	19.27	3.17	51.76	4.94
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	25	8.39	33.92	37.30	60.92	12.44	1.90	48.48	4.28
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	30	8.11	33.94	35.99	54.04	10.55	1.30	43.49	3.09
W0007A	7/10/00	23:03	27	CR-01	41.90	-124.3	36	8.10	33.94	35.95	58.00	10.13	1.56	47.87	2.76

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	2	9.07	33.88	34.11	86.43	29.18	5.20	57.25	7.08
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	5	9.07	33.88			29.98	5.37		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	10	9.07	33.88			27.25	5.37		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	20	9.07	33.88			30.86	5.64		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	25	9.07	33.88			29.75	5.61		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	30	9.06	33.88			31.19	5.78		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	40	8.96	33.88				1.11		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	50	8.34	33.91			5.50	1.00		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	60	8.17	33.93			5.50	1.11		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	70	8.03	33.95			7.52	1.26		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	95	7.85	33.99			7.42	1.29		
W0007A	7/11/00	1:53	29	CR-03	41.90	-124.5	100	7.84	34.00			9.58	1.79		
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	2	8.89	33.85	32.47	72.43	19.58	3.02	52.86	5.23
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	10	8.87	33.85	33.23	79.91	21.57	3.67	58.34	4.97
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	20	8.84	33.86	34.06	76.20	17.65	2.96	58.54	4.91
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	30	8.83	33.86	33.76	77.05	16.22	2.76	60.83	6.23
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	33	8.81	33.86	33.47	80.32	13.72	2.61	66.60	6.29
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	40	8.81	33.86	32.79	85.27	16.41	3.24	68.86	4.37
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	50	8.82	33.86	33.21	74.22	18.59	3.55	55.63	4.29
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	70	8.73	33.87	33.90	65.85	19.65	4.12	46.20	
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	150	7.71	34.03	36.94	54.51				3.92
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	295	6.91	34.08	38.33	53.49				1.90
W0007A	7/11/00	7:06	31	CR-04	41.90	-124.6	450	5.89	34.10	40.06	56.21				0.38
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	2	9.38	33.60	29.13	67.94			67.94	
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	10	9.38	33.60			18.35	3.11		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	20	9.38	33.60			13.55	2.32		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	25	9.38	33.60			9.18	1.49		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	30	9.32	33.60			9.46	1.38		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	40	9.30	33.60			11.26	1.76		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	50	9.28	33.61			9.91	1.36		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	70	9.25	33.61			8.85	0.96		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	100	8.48	33.77			7.40	0.80		
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	150	7.88	33.91						
W0007A	7/11/00	8:41	32	CR-05	41.90	-124.7	650	4.80	34.26						
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	2	11.25	32.90	14.33	63.19	15.33	1.97	47.86	7.28
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	9	11.24	32.90			13.91	1.92		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	20	11.24	32.90			15.07	1.94		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	30	11.23	32.90			13.44	1.95		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	35	11.20	32.90			14.33	2.28		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	39	11.19	32.91			12.16	2.01		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	50	11.14	33.09			11.02	1.75		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	70	9.28	33.64			7.11	1.07		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	100	8.91	33.85			6.76	0.97		
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	150	7.89	33.96						
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	500	5.05	34.13						
W0007A	7/10/00	17:38	26	CR-07	41.90	-125.	720	4.34	34.32						
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	1	12.12	33.27	18.54	109.22	23.02	4.29	86.20	8.53
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	10	12.12	33.27	18.65	82.91	19.47	3.93	63.44	9.06
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	21	11.86	33.30	19.93	82.02	22.23	4.10	59.79	9.97
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	26	11.36	33.36	22.28	94.96	18.32	3.48	76.64	11.91

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	30	10.82	33.37	24.31	76.28	17.38	3.32	58.90	10.88
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	40	9.86	33.62	28.38	69.56	14.10	2.31	55.46	9.86
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	50	9.56	33.68	32.01	54.51	11.23	1.63	43.28	7.49
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	70	8.83	33.79	34.68	49.14	9.16	0.97	39.99	6.72
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	100	8.23	33.86	36.29	48.71	7.17	0.77	41.53	5.92
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	150	7.57	33.95	38.11	50.31				5.07
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	316	5.84	34.01	41.21	44.71				2.31
W0007A	7/10/00	13:19	24	CR-09	41.90	-125.33	1005	3.58	34.44		44.14				
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	2	15.55	32.25	6.49	61.53	5.88	0.85	55.65	5.64
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	10	15.52	32.26			6.55	0.82		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	20	15.44	32.26			6.81	0.68		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	30	14.74	32.36			6.83	0.90		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	40	14.22	32.40			6.01	0.74		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	50	13.41	32.59			7.09	1.02		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	59	11.47	32.71			9.27	1.32		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	70	10.36	32.75			6.06	0.90		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	100	9.18	33.09			8.43	1.37		
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	150	8.38	33.73						
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	735	4.33	34.28						
W0007A	7/10/00	6:50	22	CR-11	41.90	-126.	1005	3.65	34.42						
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	1	12.71	33.14	15.56	95.80	30.89	5.17	64.91	9.21
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	5	12.72	33.14	16.45	105.40	40.82	6.52	64.58	8.90
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	10	12.63	33.14	15.79	94.70	33.27	5.81	61.43	8.53
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	15	12.52	33.14	34.37	98.30	31.76	5.36	66.54	14.57
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	21	12.37	33.17	40.13	82.70	27.21	4.29	55.49	7.52
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	22	12.24	33.17	41.16	76.50	22.87	3.76	53.63	7.55
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	25	9.94	33.40	40.54	70.20	24.03	3.51	46.17	5.34
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	30	9.29	33.65	41.77	61.90	16.71	2.46	45.19	5.22
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	41	8.07	33.71	41.08	57.40	12.70	1.97	44.70	4.79
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	50	7.83	33.77	40.58	56.40	8.98	1.51	47.42	4.33
W0009A	9/7/00	20:00	3	NH-05	44.65	-124.18	51	7.84	33.77	43.62	54.90	16.92	2.44	37.98	6.64
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	2	13.85	32.34	14.20	94.90	34.02	5.67	60.88	7.59
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	5	13.36	32.38	14.80	94.50	35.67	5.76	58.83	5.89
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	10	12.90	32.40	16.83	88.50	28.66	4.71	59.84	7.90
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	15	8.53	32.71	22.40	68.90	15.02	2.25	53.88	4.07
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	20	8.15	32.93	24.13	65.80	8.31	1.31	57.49	6.71
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	30	8.02	33.22	28.62	59.40	6.48	0.96	52.92	6.39
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	40	8.03	33.46	30.92	54.20		0.64		5.11
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	50	8.11	33.67	32.38	53.10	6.15	0.87	46.95	3.25
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	60	8.09	33.75	34.41	53.10	6.37	0.81	46.73	3.84
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	70	7.84	33.84	36.20	52.80	5.59	0.83	47.21	2.62
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	85	7.72	33.86	37.81	55.20	8.51	1.17	46.69	2.68
W0009A	9/7/00	23:08	5	NH-15	44.65	-124.41	90	7.72	33.86	37.71	52.60	11.27	1.60	41.33	2.12
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	2	15.60	31.54	8.14	89.50	23.91	2.97	65.59	5.04
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	10	14.93	31.71	13.13	71.90	12.70	2.08	59.20	5.52
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	15	14.30	31.94	15.56	63.20	9.17	1.44	54.03	5.76
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	20	11.45	32.34	16.24	59.90	6.47	1.02	53.43	5.47
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	30	8.71	32.63	20.73	57.30	6.31	0.68	50.99	5.49
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	40	8.22	32.83	25.07	62.80	7.28	0.96	55.52	5.47
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	50	8.19	33.07	28.68	57.70	4.84	0.64	52.86	4.81
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	70	8.11	33.51	32.20	55.00		0.49		4.21

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	100	7.88	33.83	34.54	54.50	5.63	0.53	48.87	2.79
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	150	7.50	33.96	37.18	52.80	5.06	0.52	47.74	2.24
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	200	7.12	33.99	37.58	49.90	5.45	0.60	44.45	1.29
W0009A	9/8/00	2:20	7	NH-25	44.65	-124.65	270	6.88	34.01	38.01	51.40	5.96	0.75	45.44	1.00
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	1	16.01	32.08	7.16	82.60	9.73	1.37	72.87	5.71
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	10	15.95	32.09			7.97	1.26		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	20	11.62	32.53			6.00	0.92		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	23	11.15	32.58			8.29	1.09		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	30	9.81	32.63			6.54	0.95		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	40	8.96	32.67			7.16	1.17		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	50	8.53	32.75				0.71		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	69	8.45	33.11			4.60	0.71		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	100	8.20	33.70				0.41		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	149	7.67	33.92				0.52		
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	310	6.60	34.03						
W0009A	9/8/00	5:38	8	NH-35	44.65	-124.88	374	6.27	34.05						
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	1	16.72	32.13	6.57	80.00	7.61	1.33	72.39	5.24
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	10	16.67	32.13			8.60	1.52		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	20	13.63	32.50			8.66	1.46		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	26	12.40	32.57			6.47	1.26		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	30	11.64	32.62			5.77	0.90		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	40	9.97	32.67			6.03	0.90		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	50	9.35	32.69				0.48		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	70	8.74	32.77			5.03	0.48		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	100	8.39	33.39			6.20	0.73		
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	150	7.94	33.85						
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	500	5.27	34.11						
W0009A	9/8/00	8:54	9	NH-45	44.65	-125.12	650	4.58	34.24						
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	1	16.16	32.08	6.82	79.40	7.12	0.94	72.28	5.87
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	10	16.13	32.08			8.46	1.53		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	15	12.96	32.35			11.99	2.31		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	20	11.96	32.48			14.75	2.63		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	30	10.15	32.60			5.29	1.06		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	40	8.91	32.66			4.80	0.90		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	48	8.70	32.70				0.67		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	70	8.44	32.93				0.55		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	100	8.37	33.40				0.68		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	150	8.01	33.89				0.78		
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	861	4.04	34.35						
W0009A	9/8/00	14:57	11	NH-65	44.65	-125.6	1004	3.70	34.40						
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	1	16.14	31.93	8.26		11.45	1.55		6.62
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	10	16.14	31.94	8.37		11.00	1.69		6.58
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	20	14.18	32.33	9.59		11.95	1.87		6.59
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	25	12.86	32.39	10.58		9.88	1.52		6.30
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	30	12.60	32.53	13.26		8.64	1.28		6.31
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	40	10.22	32.72	18.03		8.96	1.10		5.86
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	50	9.31	32.89	21.07		6.34	0.67		5.68
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	70	8.86	33.27	25.89		5.37	0.45		4.35
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	100	8.36	33.53	28.91			0.37		3.28
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	150	7.78	33.91	34.58			0.36		2.79
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	900	3.81	34.35		42.80				

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/8/00	18:06	12	NH-85	44.65	-126.05	1005	3.54	34.39		43.50				
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	1	13.47	33.04	16.43	89.30	17.09	2.71	72.21	6.67
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	5	13.00	33.08	18.11		13.20	2.11		7.60
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	10	12.99	33.07	24.87		32.73	5.50		8.31
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	15	11.17	33.25	30.31		22.82	4.12		8.90
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	20	9.87	33.39	35.08		4.44	0.91		7.71
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	24	9.41	33.60	36.37		8.28	1.64		6.91
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	30	9.21	33.65	37.44		6.06	1.32		7.84
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	39	8.88	33.65	38.89		7.17	1.32		7.41
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	45	8.81	33.66	38.93		8.01	1.39		8.30
W0009A	9/12/00	0:30	39	HH-01	44.00	-124.2	49	8.70	33.69	39.19		9.71	1.59		7.31
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	1	13.80	32.56	16.48	84.50	25.16	4.56	59.34	9.61
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	5	13.78	32.56			28.32	4.76		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	10	12.81	32.61			12.18	2.33		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	20	10.17	32.80			6.47	1.44		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	25	8.77	32.99				0.80		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	30	8.35	33.19				0.73		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	40	8.27	33.46				0.54		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	50	8.24	33.59				0.43		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	60	8.19	33.75				0.70		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	70	8.07	33.81				0.71		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	100	7.82	33.92			4.78	0.88		
W0009A	9/12/00	2:12	40	HH-02	44.00	-124.4	110	7.73	33.96			6.27	1.03		
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	2	14.02	32.53		78.20	14.64	2.78	63.56	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	11	10.84	32.62		67.80	11.21	2.06	56.59	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	16	9.98	32.64		69.60	10.13	1.94	59.47	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	21	9.21	32.76		67.80	9.80	1.98	58.00	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	30	8.37	32.93		60.80	6.24	1.22	54.56	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	40	8.13	33.39		60.00	5.36	1.11	54.64	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	50	8.14	33.59		56.10		0.55		
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	60	8.24	33.75		56.40		0.60		
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	70	8.26	33.81		53.50		0.56		
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	100	7.95	33.93		55.60	3.63	0.63	51.97	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	135	7.82	33.97		53.60	5.62	0.80	47.98	
W0009A	9/12/00	3:55	41	HH-03	44.00	-124.6	145	7.82	33.97		52.70	7.30	1.00	45.40	
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	1	14.16	32.47	14.05	88.70	15.16	2.93	73.54	10.10
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	6	13.19	32.53			16.25	3.04		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	10	10.77	32.79			19.97	3.60		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	15	10.12	32.94			20.78	3.81		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	20	9.63	33.02			12.93	2.67		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	30	8.79	33.37			6.17	1.21		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	40	8.45	33.47			5.24	1.23		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	50	8.16	33.61				0.95		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	60	7.90	33.80				0.93		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	70	7.82	33.86				0.68		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	85	7.70	33.98			4.85	1.06		
W0009A	9/12/00	6:19	42	HH-04	44.00	-124.8	100	7.56	33.94			5.08	1.09		
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	2	14.10	32.36	12.36	85.00	17.30	3.35	67.70	7.79
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	11	12.72	32.37	15.07	73.40	16.48	3.09	56.92	7.71
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	20	8.95	32.70	23.32	60.30	5.91	1.17	54.39	7.71

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	30	8.30	32.95	27.21	55.50	4.88	0.79	50.62	7.68
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	40	8.18	33.14	30.76	56.20		0.70		7.03
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	50	8.17	33.35	33.87	52.20	4.56	0.72	47.64	6.88
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	70	8.13	33.74	37.70	47.40		0.55		5.87
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	100	7.96	33.91	38.64	55.70		0.79		5.69
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	150	7.72	33.99	40.31	51.90				6.18
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	300	6.53	34.05	42.22	52.90				5.16
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	501	5.46	34.10	45.95	50.80				4.66
W0009A	9/12/00	8:47	43	HH-05	44.00	-125.	885	3.86	34.39	48.56	42.60				3.43
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	1	14.53	32.20	12.36	85.60	15.70	3.24	69.90	8.88
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	10	11.73	32.54			14.19	2.92		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	12	11.27	32.54			11.86	2.56		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	20	9.00	32.67			6.37	1.46		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	30	8.37	32.85				0.98		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	40	8.26	33.02				0.72		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	50	8.38	33.19				0.65		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	70	8.63	33.64				0.64		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	100	8.09	33.86				0.42		
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	150	7.60	33.96						
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	350	6.13	34.06						
W0009A	9/12/00	12:24	44	HH-07	44.00	-125.2	1005	3.65	34.42						
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	1	15.54	31.89	10.44	86.40	12.23	2.18	74.17	8.07
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	5	15.66	31.87			14.28	2.37		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	10	15.50	31.90			17.66	3.40		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	16	12.94	32.30			7.42	1.52		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	20	10.78	32.48			6.72	1.32		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	30	8.82	32.67			5.43	0.96		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	40	8.46	32.79				0.97		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	50	8.80	33.14				0.60		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	70	9.02	33.42				0.49		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	100	8.39	33.67				0.60		
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	150	7.71	33.92						
W0009A	9/12/00	14:07	45	HH-09	44.00	-125.4	1005	3.59	34.41						
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	1	11.48	33.32	27.58	76.50	25.48	5.06	51.02	10.08
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	5	11.52	33.32	27.53	70.20	26.85	5.29	43.35	9.93
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	10	11.07	33.38	28.48	73.10	24.47	4.70	48.63	11.01
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	15	10.69	33.40	28.74	73.80	19.87	3.87	53.93	10.75
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	21	10.32	33.53	28.29	75.30	19.28	3.80	56.02	9.78
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	23	10.24	33.55	28.38	70.60	18.29	3.48	52.31	9.98
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	25	10.11	33.58	29.28	65.90	17.22	3.25	48.68	10.11
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	30	9.71	33.62	31.88	62.80	13.69	2.49	49.11	10.81
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	41	8.89	33.83	37.47	57.50	7.40	1.38	50.10	9.78
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	55	8.82	33.85	41.69	53.90	7.85	1.22	46.05	8.07
W0009A	9/9/00	15:19	19	FM-03	43.22	-124.5	59	8.81	33.85	41.63	63.50	11.19	1.58	52.31	8.27
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	2	11.88	33.12	22.08	68.70	17.00	3.51	51.70	7.41
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	5	11.57	33.20			18.20	3.46		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	10	11.26	33.24			14.69	2.75		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	20	9.70	33.57			10.28	1.74		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	30	9.37	33.64			6.75	1.27		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	40	9.04	33.79			7.16	0.96		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	50	8.86	33.79			6.12	0.83		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	60	8.61	33.81			6.12	0.74		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	71	8.30	33.87			6.87	0.88		
W0009A	9/9/00	13:32	18	FM-04	43.22	-124.58	80	8.09	33.92			7.28	0.80		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	1	12.15	32.91	19.60	76.40	19.65	3.44	56.75	7.00
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	10	11.66	32.97			20.63	3.68		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	13	11.25	33.06			18.78	3.40		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	20	9.37	33.23			9.12	1.47		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	30	8.81	33.55			4.91	0.67		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	40	8.74	33.60			5.33	0.65		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	50	8.90	33.74			8.27	1.04		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	60	8.56	33.79				0.73		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	70	8.59	33.86			5.99	0.89		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	100	8.14	33.93			6.32	0.76		
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	108	8.11	33.93						
W0009A	9/9/00	11:32	17	FM-05	43.22	-124.67	142	7.86	33.98						
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	1	13.04	32.71	13.58	70.40	11.08	2.42	59.32	7.15
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	10	11.72	32.77	15.92	73.70	9.50	1.96	64.20	8.04
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	15	11.37	32.79	16.00	72.00	10.89	1.85	61.11	7.08
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	20	10.50	32.77	19.71	66.80	7.41	1.45	59.39	7.83
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	30	9.61	33.05	23.31	57.70	6.09	0.98	51.61	6.75
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	40	9.32	33.19	27.77	57.20	6.93	0.74	50.27	6.74
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	50	8.91	33.27	29.45	52.80	5.79	0.85	47.01	5.73
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	71	8.76	33.62	30.69	52.60	5.65	0.49	46.95	5.37
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	100	8.52	33.81	34.50	55.70	4.93	0.54	50.77	4.34
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	150	7.74	33.96	36.59	53.90				3.18
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	175	7.52	33.97	36.19	53.80				2.79
W0009A	9/9/00	7:39	15	FM-07	43.22	-124.83	302	6.55	34.06	39.38	49.20				1.94
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	1	13.40	32.67	13.18	73.20	14.64	2.53	58.56	6.97
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	10	12.65	32.66			17.07	2.68		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	20	9.41	32.76			10.67	1.66		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	30	9.12	32.89			6.78	1.04		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	40	8.78	33.08			6.29	0.85		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	50	8.83	33.30			7.44	0.85		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	70	8.70	33.58				0.52		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	100	8.49	33.83			5.81	0.70		
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	150	7.79	33.95						
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	225	7.03	34.00						
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	885	3.85	34.39						
W0009A	9/9/00	5:25	14	FM-08	43.22	-125.	1005	3.53	34.44						
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	2	16.15	32.34	8.32		10.70	1.81		6.24
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	10	16.01	32.38	9.89		8.34	1.25		8.01
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	20	10.40	32.62	15.38		9.71	1.62		7.69
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	26	9.64	32.79	17.79		9.50	1.59		7.12
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	30	9.16	32.78	19.46		7.90	1.21		7.35
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	40	8.88	32.95	22.18		5.58	0.62		7.78
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	50	8.51	33.12	25.21		4.87	0.65		5.78
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	68	8.66	33.48	30.23		6.21	0.70		5.42
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	100	8.09	33.75	33.45		5.71	0.62		4.86
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	151	7.58	33.93	35.82					5.12
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	625	4.66	34.23	45.47					1.30
W0009A	9/9/00	3:31	13	FM-09	43.22	-125.17	980	3.62	34.42	45.87	39.50				0.47

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	1	13.37	33.53	33.58	71.20	16.62	3.22	54.58	11.34
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	3	10.36	33.53	33.40	75.10	18.06	3.50	57.04	10.95
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	5	10.32	33.53	33.36	76.50	16.43	3.12	60.07	11.12
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	9	9.97	33.53	33.76	65.80	14.29	2.73	51.51	10.25
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	10	9.65	33.60		65.50	10.53	2.06	54.97	
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	15	9.50	33.67	37.77		6.70	1.13		8.00
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	20	8.87	33.77	38.17		5.45	0.77		8.74
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	25	8.63	33.80	43.53		5.87	0.74		12.39
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	30	8.42	33.86	39.12		6.57	1.02		7.83
W0009A	9/11/00	15:12	38	RR-01	42.50	-124.5	32	8.43	33.85	40.51		5.72	0.88		9.39
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	2	10.84	33.12	25.23	70.30	15.03	3.03	55.27	8.48
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	5	10.84	33.12			14.61	3.03		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	11	10.81	33.13			14.22	2.89		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	15	10.76	33.14			14.54	2.83		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	19	10.06	33.14			11.61	2.30		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	30	9.48	33.33			7.42	1.38		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	40	9.06	33.55				0.61		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	50	8.99	33.72			4.64	0.63		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	60	8.65	33.79				0.56		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	70	8.54	33.83				0.56		
W0009A	9/11/00	13:59	37	RR-02	42.50	-124.6	81	8.19	33.91				0.56		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	2	13.76	32.68	12.91	75.00	10.64	1.95	64.36	7.53
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	5	13.75	32.68			10.24	1.81		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	10	12.52	32.74			8.81	1.68		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	15	10.75	32.91			8.05	1.37		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	20	9.70	32.96			7.37	1.21		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	30	9.27	33.35			5.01	0.76		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	40	9.12	33.49				0.46		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	50	8.92	33.64				0.38		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	61	8.75	33.73				0.40		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	70	8.58	33.81			5.52	0.65		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	100	8.19	33.93				0.60		
W0009A	9/11/00	10:57	36	RR-03	42.50	-124.7	120	8.06	33.94						
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	2	12.99	32.74	15.97	71.10	12.15	2.32	58.95	9.10
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	10	12.52	32.77	20.29	69.70	11.58	2.07	58.12	10.02
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	15	12.17	33.13	23.69	65.20	9.82	1.84	55.38	11.03
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	20	12.15	33.20	22.54	64.70	7.32	1.64	57.38	9.55
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	30	11.54	33.21	24.37	64.30	5.26	1.08	59.04	11.16
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	40	10.75	33.22	26.73	65.90	7.95	1.27	57.95	9.88
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	50	9.39	33.35		54.30		0.51		
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	70	8.74	33.70	30.32	54.50		0.58		3.47
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	100	8.44	33.86	33.00	49.30	5.00	0.68	44.30	2.65
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	150	7.83	33.98	40.92	49.10				8.47
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	440	5.74	34.08	46.28	49.30				6.81
W0009A	9/11/00	7:29	35	RR-04	42.50	-124.8	500	5.58	34.14	46.34	48.00				6.11
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	2	13.23	32.84	15.76	72.60	17.61	2.99	54.99	6.98
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	10	12.49	32.84			14.60	2.45		
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	19	11.60	32.99			12.66	2.37		
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	23	11.62	33.08			8.81	1.65		
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	29	11.00	33.15			5.19	1.02		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	38	9.32	33.00				0.61		
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	71	8.69	33.73				0.53		
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	100	8.41	33.90			4.89	0.54		
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	150	7.93	33.98						
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	815	4.24	34.33						
W0009A	9/11/00	4:12	33	RR-06	42.50	-125.	1006	3.63	34.43						
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	1	14.91	32.60	9.40	70.00	10.96	1.80	59.04	7.17
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	10	12.31	32.61	11.10	69.10	9.28	1.41	59.82	7.55
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	18	9.21	32.72	14.70	64.40	6.46	1.00	57.94	6.59
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	20	9.10	32.74	16.42	68.50	5.22	0.70	63.28	7.83
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	30	8.99	32.92	28.17	59.10	5.38	0.85	53.72	8.65
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	40	9.53	33.29	27.17	58.50	8.52	1.30	49.98	7.71
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	50	9.35	33.47	29.66	57.50		0.65		8.18
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	70	8.81	33.77	35.78	51.90		0.35		7.85
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	100	8.32	33.93	39.22	50.30				7.67
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	150	7.94	34.00	40.29	48.60				7.16
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	830	4.18	34.34	48.15	44.90				3.28
W0009A	9/11/00	2:15	32	RR-07	42.50	-125.2	1007	3.71	34.41	49.53	42.60				4.28
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	2	9.77	33.74	33.86	65.10	8.00	1.70	57.10	5.21
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	5	9.63	33.74	33.77	63.00	7.10	1.29	55.90	5.48
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	10	9.51	33.76	34.37	69.20	7.56	1.39	61.64	5.88
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	15	9.45	33.77	34.50	64.40	7.14	1.20	57.26	6.28
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	20	9.52	33.76	35.00	62.40	7.52	1.20	54.88	6.47
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	25	9.51	33.76	35.22	60.50	7.47	1.20	53.03	6.31
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	30	9.48	33.76	35.11	61.50	6.79	1.33	54.71	5.42
W0009A	9/10/00	0:07	21	CR-01	41.90	-124.3	35	9.10	33.79	35.77	64.30	9.88	1.63	54.42	5.25
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	1	10.29	33.64	27.40	64.50	7.11	1.32	57.39	6.34
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	5	10.28	33.64			7.58	1.32		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	10	10.26	33.64			7.74	1.33		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	19	10.24	33.64			8.72	1.48		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	30	9.19	33.76			7.54	1.18		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	40	8.83	33.87			5.60	0.84		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	50	8.71	33.90			4.99	0.72		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	61	8.59	33.92			5.45	0.81		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	71	8.51	33.94			5.04	0.57		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	80	8.47	33.95			5.01	0.81		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	100	8.21	33.99			5.57	0.73		
W0009A	9/10/00	3:12	23	CR-03	41.90	-124.5	129	8.03	34.01			6.02	0.84		
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	2	11.00	33.48	24.08	72.50	13.04	1.81	59.46	8.22
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	10	11.00	33.48	23.66	65.70	9.20	1.60	56.50	7.88
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	20	10.99	33.48	24.06	71.10	10.40	1.65	60.70	7.94
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	30	10.08	33.45	26.23	63.90	6.26	0.97	57.64	7.37
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	40	9.58	33.60	30.39	58.40	9.20	1.14	49.20	8.42
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	50	9.00	33.68	31.95		5.05	0.64		6.29
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	70	8.86	33.83	34.25	57.99		0.54		6.31
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	100	8.63	33.89	36.12	54.20	6.36	0.76	47.84	5.22
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	150	8.09	34.00	38.73	50.30				5.58
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	320	6.60	34.07	41.28	46.10				4.38
W0009A	9/10/00	5:09	24	CR-04	41.90	-124.6	444	5.69	34.07	43.65	46.13				3.44
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	2	11.08	33.40	22.38	60.60	10.06	1.77	50.54	7.87

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	4	11.07	33.41			8.92	1.65		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	10	10.87	33.49			7.39	1.65		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	19	10.74	33.52			6.78	1.46		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	30	9.66	33.49			6.52	1.11		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	40	9.27	33.53			5.90	0.54		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	51	9.12	33.56				0.48		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	70	8.80	33.71			5.12	0.57		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	101	8.54	33.83				0.40		
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	151	7.82	33.93						
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	500	5.39	34.12						
W0009A	9/10/00	7:46	25	CR-05	41.90	-124.7	650	4.55	34.26						
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	1	12.61	33.05	14.70	70.10	12.68	2.36	57.42	6.19
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	10	12.59	33.06			12.53	2.25		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	20	11.52	33.22			12.17	2.16		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	23	10.90	33.39			11.50	2.17		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	30	10.67	33.50			9.88	1.69		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	40	10.12	33.49			7.25	1.26		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	50	9.26	33.53				0.67		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	70	9.14	33.72				0.35		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	100	8.40	33.80				0.31		
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	150	7.94	33.97						
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	500	5.07	34.15						
W0009A	9/10/00	12:40	27	CR-07	41.90	-125.	590	4.84	34.20						
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	1	13.92	32.86	11.17	75.70	9.40	1.65	66.30	7.10
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	10	12.59	32.92	13.22	79.50	10.27	2.03	69.23	6.69
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	20	12.16	33.05	16.94	74.00	11.42	2.02	62.58	7.59
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	25	11.58	33.10	18.59	70.20	7.50	1.49	62.70	7.82
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	30	11.37	33.12	18.88	67.70	7.75	1.52	59.95	7.41
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	40	11.26	33.21	19.49	71.30	6.70	1.20	64.60	7.71
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	50	11.22	33.32	21.25	70.61	8.38	1.53	62.23	7.72
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	70	10.23	33.40	24.65	67.50	6.24	0.96	61.26	7.01
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	100	9.05	33.68	31.10	52.90		0.51		5.50
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	150	8.29	33.88	34.68	48.10				5.03
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	830	4.05	34.37		41.09				
W0009A	9/10/00	16:10	29	CR-09	41.90	-125.4	1005	3.69	34.43		38.34				
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	1	15.06	32.80	9.95	70.30	6.80	1.25	63.50	6.28
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	10	14.91	32.84			7.95	1.65		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	20	14.68	32.94			7.12	1.38		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	30	11.05	33.10			5.93	1.38		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	34	10.08	33.28			10.22	2.42		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	40	9.73	33.40			5.27	0.77		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	50	9.65	33.52				0.71		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	70	8.89	33.66				0.52		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	100	8.40	33.82			4.94	0.53		
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	151	7.68	33.95						
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	630	4.51	34.24						
W0009A	9/10/00	20:41	31	CR-11	41.90	-126.	1004	3.60	34.43						
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	2	10.32	32.68	14.88	57.29				
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	5	10.33	32.68	16.49	55.86				
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	10	10.31	32.69	16.12	53.56	7.52	0.91	46.04	10.52
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	15	10.32	32.69	16.73	52.05	7.88	1.02	44.18	10.72

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	20	10.32	32.70	16.62	53.65	6.63	1.00	47.02	10.76
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	25	10.31	32.70	16.23	49.48	8.69	1.19	40.80	10.05
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	30	10.30	32.70	17.44	50.81	9.19	1.17	41.62	11.11
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	38	10.24	32.69	16.85	52.31	7.63	1.25	44.68	10.21
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	40	10.24	32.69	16.47	49.89	11.54	1.48	38.34	9.52
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	50	10.16	32.68	18.53	52.60	11.09	1.71	41.51	11.41
W0101C	1/27/01	21:20	3	NH-05	44.65	-124.18	51	10.16	32.68	19.24	52.04	11.08	1.62	40.96	10.37
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	1	10.51	32.71	15.86	58.41	6.85	0.90	51.57	10.53
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	5	10.51	32.71	15.11	54.43	7.65	0.81	46.78	9.73
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	10	10.51	32.71	15.06	55.76	10.07	0.90	45.69	9.81
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	20	10.49	32.71	14.61		6.49	0.76		9.46
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	29	10.49	32.71	15.28	51.60	8.00	0.82	43.60	9.89
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	40	10.53	32.76	16.14	50.05	5.01	0.63	45.04	9.82
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	45	10.34	32.86	19.32	45.96	5.36	0.81	40.60	10.21
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	50	10.27	32.90	20.37	45.34				
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	60	10.14	32.95	21.22	45.04	5.25	0.73	39.79	9.71
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	65	10.12	32.96	21.66	45.43	7.43	0.84	38.00	9.86
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	70	10.11	32.97	22.73	46.34	9.15	0.95	37.19	10.56
W0101C	1/28/01	0:52	5	NH-15	44.65	-124.41	86	10.02	33.02	22.88	48.89	8.04	0.85	40.84	10.00
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	1	10.38	32.72	13.29	52.17	7.27	1.02	44.90	7.31
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	10	10.38	32.72	12.66	53.58	8.80	1.22	44.78	6.36
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	15	10.35	32.71	13.31	50.36	7.28	1.02	43.08	7.26
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	20	10.35	32.71	13.29	49.79	6.35	0.94	43.44	7.27
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	30	10.30	32.70	13.53	52.19	5.70	0.99	46.49	7.36
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	37	10.30	32.70	13.29	54.22		0.66		7.43
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	50	10.29	32.70	16.31	48.78		0.97		10.08
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	71	10.22	32.75	17.58	45.69		0.73		10.08
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	100	8.99	33.35	29.69	42.77		0.37		9.79
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	151	8.73	33.68	34.22	41.97				8.88
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	201	8.10	33.90	38.35	40.26				7.54
W0101C	1/28/01	4:01	7	NH-25	44.65	-124.65	287	7.30	33.98	40.15	37.94				5.90
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	2	9.96	32.65	14.86			0.66		8.57
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	10	9.96	32.65				0.60		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	20	9.97	32.65				0.87		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	25	9.97	32.65				0.88		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	31	9.97	32.65			8.42	0.77		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	40	9.97	32.65			4.89	0.74		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	50	9.97	32.65				0.63		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	68	9.85	32.81			5.24	0.60		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	100	9.18	33.29			5.50	0.54		
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	150	8.52	33.64						
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	300	6.97	34.01						
W0101C	1/28/01	7:27	8	NH-35	44.65	-124.88	426	6.18	34.04						
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	1					6.28	0.93		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	10	10.03	32.66	14.38		6.94	0.84		7.84
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	20	10.05	32.67			6.65	0.96		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	25	10.03	32.66			7.13	0.88		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	30	10.05	32.66			7.24	0.85		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	40	10.09	32.67			4.89	0.79		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	50	10.11	32.68			5.07	0.63		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	70	10.08	32.68						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	100	8.91	33.17				0.36		
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	150	8.45	33.67						
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	500	4.96	34.17						
W0101C	1/28/01	12:37	9	NH-45	44.65	-125.12	624	4.55	34.24						
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	3	9.57	32.52	13.23		4.87	0.34		8.11
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	20	9.58	32.52	11.63		6.06	0.68		6.24
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	28	9.58	32.52	11.15		4.71	0.55		5.37
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	30	9.58	32.52	11.66			0.61		6.09
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	40	9.58	32.52	11.40		6.54	0.58		5.37
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	50	9.58	32.52	11.36		6.01	0.59		5.94
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	70	8.61	32.76	18.23			0.49		6.55
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	100	7.93	33.39	27.87			0.29		5.33
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	150	7.80	33.89	33.93					4.00
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	870	3.90	34.34	46.91					1.81
W0101C	1/28/01	19:49	12	NH-85	44.65	-126.05	1005	3.58	34.40	49.79					4.57
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	2	9.82	32.57	8.95		16.21	2.11		3.95
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	5	9.83	32.57	9.30		18.31	2.25		4.13
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	10	9.78	32.57	9.24		15.50	1.86		4.15
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	13	9.78	32.57	9.41		14.19	2.00		5.17
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	15	9.70	32.58	9.57		9.71	1.54		4.87
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	20	9.65	32.60	10.50		8.49	1.31		4.82
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	25	9.66	32.61	11.12		6.29	0.93		5.13
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	30	9.68	32.62	11.12		6.97	1.20		5.57
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	40	9.69	32.67	12.28		10.67	1.37		6.66
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	42	9.69	32.67	11.74		7.93	1.31		5.80
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	50	9.20	33.21	25.61		7.22	0.99		5.60
W0103B	3/20/01	21:02	3	NH-05	44.65	-124.18	55	9.09	33.31	28.69		13.40	1.49		7.04
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	1	9.71	32.71	12.53		10.08	1.19		6.36
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	5	9.71	32.71	12.72		8.16	1.11		6.85
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	10	9.70	32.71	13.32		6.78	0.98		7.59
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	20	9.70	32.71	12.53		6.69	1.06		6.78
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	23	9.70	32.71	12.62		5.23	0.78		7.18
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	31	9.68	32.72	12.49		4.88	0.85		6.04
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	40	9.66	32.72	13.21		3.93	0.74		6.30
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	49	9.54	32.82	14.57			0.45		4.60
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	60	9.46	32.94	18.29			0.49		3.03
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	70	9.29	33.19	24.82		3.21	0.42		6.31
W0103B	3/20/01	23:55	5	NH-15	44.65	-124.41	87	8.74	33.56	31.16		2.96	0.41		6.52
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	2	9.64	32.70	12.08	56.09	4.48	0.75	51.61	6.72
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	10	9.64	32.70	12.45	54.57	4.36	0.73	50.21	7.02
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	20	9.65	32.70	14.93	55.50	4.15	0.65	51.35	9.87
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	30	9.65	32.70	12.62	54.40	4.19	0.68	50.21	7.30
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	41	9.63	32.70	12.36	51.10	3.07	0.55	48.03	6.96
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	44	9.63	32.70	12.49	48.66	3.58	0.71	45.08	6.87
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	51	9.60	32.70	12.72	48.35	2.93	0.59	45.42	7.24
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	71	9.30	33.13	23.00	41.29		0.24		8.34
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	101	8.52	33.63	32.58	40.89		0.20		6.68
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	150	7.94	33.89	36.48			0.29		5.09
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	200	7.30	33.98	39.95					5.74
W0103B	3/21/01	3:24	7	NH-25	44.65	-124.65	281	6.20	34.04	41.42					6.00

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	3	9.88	32.78	11.55	61.12	4.90	0.83	56.22	6.35
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	10	9.88	32.78			4.88	0.80		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	20	9.88	32.78			4.85	0.78		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	30	9.88	32.78			3.57	0.84		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	40	9.88	32.78			4.47	0.82		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	50	9.87	32.79			4.04	0.67		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	70	9.57	32.99			3.25	0.44		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	100	8.71	33.51				0.28		
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	150	8.14	33.87						
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	410	5.58	34.08						
W0103B	3/21/01	7:18	8	NH-35	44.65	-124.88	440	5.53	34.09						
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	2	9.93	32.81	11.03	53.94	2.75	0.44	51.20	5.31
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	10	9.94	32.81				0.45		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	20	9.94	32.81				0.44		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	30	9.94	32.81				0.44		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	40	9.94	32.82			3.01	0.44		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	45	9.94	32.82			3.77	0.63		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	50	9.87	32.86			3.32	0.49		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	70	9.10	33.34				0.24		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	100	8.66	33.61				0.34		
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	150	8.39	33.77						
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	500	5.44	34.10						
W0103B	3/21/01	14:30	9	NH-45	44.65	-125.12	615	4.78	34.19						
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	2	9.80	32.78	12.52	58.69	4.97	0.63	53.71	6.14
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	10	9.79	32.78			2.88	0.56		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	20	9.79	32.78				0.49		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	30	9.80	32.78				0.51		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	35	9.79	32.78			2.92	0.47		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	40	9.78	32.78			4.07	0.47		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	50	9.77	32.78				0.45		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	65	9.77	32.79				0.46		
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	100	8.46	33.65						
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	150	7.96	33.91						
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	916	3.86	34.39						
W0103B	3/21/01	19:43	11	NH-65	44.65	-125.6	1005	3.65	34.41						
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	2	9.34	32.64	12.89	54.09	3.22	0.44	50.87	7.55
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	10	9.34	32.64	12.94	53.90	2.92	0.44	50.97	7.65
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	20	9.33	32.64	12.82	60.23	2.84	0.55	57.39	7.34
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	30	9.33	32.64	12.71	55.80		0.49		6.98
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	40	9.32	32.64	13.33	55.40	2.98	0.53	52.42	7.87
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	50	9.30	32.64	12.84	53.80	3.47	0.54	50.33	7.31
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	53	9.29	32.64	12.79	59.83	2.74	0.49	57.09	7.28
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	70	9.24	32.69	14.73	56.42		0.33		8.08
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	100	8.23	33.27		47.80		0.24		
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	150	7.91	33.80	34.70	47.55		0.21		5.56
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	920	3.81	34.36		37.21				
W0103B	3/21/01	22:53	12	NH-85	44.65	-126.05	1005	3.60	34.40		34.81		0.21		
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	2	10.05	32.62	14.51	76.70				
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	6	10.04	32.63	14.27	63.07	11.66	1.79	51.41	8.39
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	10	10.00	32.65	13.73	65.96	10.35	1.59	55.61	7.21

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	15	9.72	32.83	19.68	57.10	7.06	1.13	50.04	8.25
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	17	9.41	33.05	24.62		5.67	1.02		8.75
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	20	9.38	33.07	25.15		6.10	0.92		7.45
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	25	9.18	33.22	27.33		4.56	0.73		6.73
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	30	8.95	33.39	30.38		3.23	0.58		7.58
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	40	8.51	33.66	38.05			0.30		9.31
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	50	8.27	33.73	36.49		2.84	0.27		8.05
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	56	8.05	33.78	37.80		2.75	0.32		7.35
W0103B	3/23/01	23:22	26	FM-03	43.22	-124.5	59	8.03	33.79	38.01		2.84	0.32		9.01
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	1	10.07	32.51	11.41	86.80	13.83	1.70	72.97	7.99
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	5	10.07	32.51			12.98	1.71		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	10	10.07	32.51			13.81	1.81		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	15	10.04	32.54			14.39	1.83		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	20	9.93	32.59			8.74	1.47		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	30	9.82	32.78			3.77	0.61		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	40	9.75	32.90				0.51		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	50	9.31	33.24				0.33		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	60	9.12	33.37				0.23		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	65	9.12	33.38				0.29		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	70	9.08	33.40				0.34		
W0103B	3/24/01	0:58	27	FM-04	43.22	-124.58	80	8.06	33.78				0.35		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	2	10.09	32.74	9.92	63.35	6.70	1.06	56.65	7.47
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	10	10.09	32.74			6.62	1.06		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	20	10.09	32.74			6.49	1.15		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	30	10.07	32.74			5.98	1.05		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	40	9.92	32.81			6.06	0.90		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	50	9.72	32.95			3.09	0.48		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	60	9.25	33.30			3.46	0.60		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	70	9.18	33.34				0.45		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	100	8.23	33.73				0.36		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	120	7.75	33.92			3.25	0.55		
W0103B	3/24/01	2:39	28	FM-05	43.22	-124.67	150	7.65	33.94			3.45	0.45		
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	1	10.11	32.81	12.66		3.73	0.70		8.67
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	10	10.11	32.81	14.04		3.19	0.65		9.14
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	20	10.11	32.81	13.82		3.48	0.76		9.85
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	24	10.11	32.81	13.82		3.36	0.62		9.58
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	30	10.08	32.81	14.37		3.26	0.62		9.82
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	40	10.03	32.83	14.04		3.25	0.59		7.98
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	50	9.97	32.90	17.61			0.48		10.68
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	71	9.38	33.23	27.05			0.39		13.24
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	100	8.88	33.54	33.49			0.22		12.53
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	151	8.21	33.87	38.64	47.45		0.39		11.97
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	230	7.11	34.00	41.80	45.22				12.29
W0103B	3/24/01	6:15	30	FM-07	43.22	-124.83	330	5.94	34.06	46.93	45.87				10.00
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	2	9.46	33.04	24.15	61.80	5.77	1.04	56.03	9.25
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	5	9.46	33.06	23.41	65.80	6.28	1.14	59.52	8.06
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	10	9.42	33.10	25.52	59.70	6.11	1.17	53.59	10.34
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	15	9.26	33.18	29.15	57.30	7.91	1.47	49.39	11.42
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	20	9.12	33.33	29.47	58.50	6.76	1.19	51.74	10.33
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	25	8.94	33.43	31.00	49.70	5.30	0.92	44.40	10.30
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	30	8.47	33.73	35.29	47.80	4.57	0.60	43.23	9.04

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0103B	3/23/01	14:35	22	RR-01	42.50	-124.5	32	8.45	33.74	34.60	46.40	2.84	0.49	43.56	7.47
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	1	9.98	32.77	11.03					
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	5	9.98	32.77						
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	10	9.98	32.76						
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	17	9.73	32.91						
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	20	9.61	32.98						
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	30	8.96	33.45						
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	40	8.79	33.60				0.40		
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	50	8.59	33.66				0.37		
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	60	8.38	33.74				0.41		
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	70	8.16	33.88				0.42		
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	73	8.14	33.89				0.38		
W0103B	3/23/01	15:49	23	RR-02	42.50	-124.6	80	8.12	33.89				0.36		
W0103B	3/23/01	17:35	24	RR-03	42.50	-124.7	1	9.98	32.76	11.48		5.17	0.92		8.49
W0103B	3/23/01	17:35	24	RR-03	42.50	-124.7	5	9.98	32.76			7.73	1.10		
W0103B	3/23/01	17:35	24	RR-03	42.50	-124.7	10	9.98	32.76			5.02	0.92		
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	1	9.59	33.28	24.73	51.39	9.15	1.69	42.24	8.40
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	6	9.55	33.29	25.76	56.08	8.37	1.43	47.71	9.46
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	7	9.30	33.37	26.72	55.03	6.46	1.18	48.58	8.57
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	10	9.11	33.44	29.56	50.20	5.96	0.71	44.24	8.63
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	15	8.91	33.55	30.79	49.10	4.34	0.53	44.76	7.20
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	19	8.80	33.63	32.10	50.01	3.81	0.47	46.20	6.81
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	25	8.75	33.70	34.14	53.90	4.83	0.65	49.06	7.83
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	30	8.74	33.71	33.44	52.28	5.57	0.66	46.71	6.87
W0103B	3/22/01	15:25	13	CR-01	41.90	-124.3	35	8.73	33.71	33.39	55.70	6.15	0.73	49.55	7.01
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	1	9.75	32.93	15.46	70.80	5.14	0.94	65.67	7.34
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	5	9.74	32.93			5.84	0.92		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	10	9.73	32.93			4.84	0.84		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	16	9.68	32.98			5.32	1.00		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	20	9.68	32.99						
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	30	9.63	33.06						
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	40	9.53	33.12			2.76	0.55		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	50	9.39	33.29				0.36		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	60	9.14	33.44				0.34		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	69	8.87	33.55			3.03	0.44		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	100	8.21	33.88			3.86	0.58		
W0103B	3/22/01	18:19	15	CR-03	41.90	-124.5	131	7.70	33.98			3.21	0.40		
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	2	10.01	32.81	12.50		6.63	1.15		7.64
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	10	9.94	32.82	12.97		6.27	1.21		7.31
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	20	9.93	32.82	12.24		4.97	0.98		6.70
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	22	9.93	32.82	13.10		6.96	1.14		7.22
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	30	9.92	32.84	14.42		5.88	0.97		9.48
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	40	9.92	32.89	15.63		5.81	0.92		9.07
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	50	9.92	33.04	18.78	59.49	4.07	0.62	55.41	7.73
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	70	9.50	33.29	25.12	51.40		0.44		7.99
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	100	8.92	33.60	31.95	48.70		0.31		7.54
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	150	8.15	33.92	37.34	47.27				6.83
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	395	5.68	34.10	44.21	43.40				3.54
W0103B	3/22/01	20:09	16	CR-04	41.90	-124.6	450	5.42	34.13	44.97	42.80				3.58

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	2	10.25	32.81	12.08		5.10	0.79		7.37
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	10	10.21	32.81			5.49	0.75		
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	11	10.18	32.81			3.73	0.73		
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	20	10.15	32.81			4.72	0.86		
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	30	10.14	32.81						
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	40	10.13	32.82			5.16	0.79		
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	50	10.10	32.83				0.56		
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	70	9.83	33.30						
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	100	9.02	33.64				0.25		
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	150	8.39	33.89						
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	500	5.29	34.15						
W0103B	3/22/01	23:11	17	CR-05	41.90	-124.7	633	4.69	34.26						
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	2	10.35	33.04	14.54		4.14	0.87		7.09
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	10	10.36	33.04			5.09	0.93		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	20	10.31	33.04			5.84	0.91		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	25	10.30	33.04			4.24	0.81		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	30	10.30	33.04			4.21	0.76		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	40	10.30	33.04			3.98	0.66		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	50	10.28	33.04			5.89	0.74		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	70	10.11	33.09			3.34	0.38		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	100	8.96	33.58			4.46	0.30		
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	151	8.19	33.92						
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	500	5.52	34.17						
W0103B	3/23/01	3:53	19	CR-07	41.90	-125.	798	4.17	34.35						
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	3	10.31	33.01	14.30	57.30	3.67	0.86	53.63	7.03
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	10	10.31	33.01	14.32	61.10	5.04	0.91	56.06	6.66
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	20	10.35	33.03	14.52	63.60	3.87	0.79	59.73	7.24
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	25	10.34	33.03	13.65	60.00	4.24	0.89	55.76	6.41
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	29	10.37	33.04	14.22	62.90	4.15	0.93	58.75	6.55
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	41	10.36	33.04	14.45	62.20	4.52	0.84	57.68	7.23
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	50	10.35	33.04	14.48	63.20	4.13	0.84	59.07	6.03
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	70	10.02	33.10	17.75	56.00		0.51		6.64
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	100	8.77	33.74	32.42	51.30		0.40		4.86
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	150	8.08	33.93	36.69	53.00		0.37		
W0103B	3/23/01	7:56	21	CR-09	41.90	-125.4	1005	3.71	34.41	46.65					
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	1	9.00	33.49	37.06	67.12	15.04	2.35	52.08	9.68
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	5	8.97	33.49	38.24	71.39	19.69	2.87	51.70	9.67
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	15	8.46	33.56	38.54	56.30	12.59	2.14	43.71	6.21
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	20	7.79	33.66	40.31	43.57	4.89	0.73	38.68	7.19
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	25	7.55	33.78	38.74	45.10	3.06	0.44	42.04	4.44
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	30	7.46	33.84	39.16	39.70	3.31	0.38	36.39	5.02
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	40	7.22	33.94	40.20	41.30	6.89	0.55	34.41	5.28
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	50	7.22	33.94	40.64	38.10	3.63	0.53	34.47	3.36
W0107A	7/6/01	20:21	3	NH-05	44.65	-124.18	56	7.22	33.94	40.43	37.70	2.99	0.41	34.71	3.26
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	1	10.72	32.47	24.82	61.23	11.87	1.94	49.37	10.09
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	5	10.65	32.48	24.07	66.40	12.74	1.99	53.66	8.40
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	10	9.69	32.71	31.32	72.03	31.16	4.41	40.87	8.35
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	12	9.43	32.79	32.76	68.30	18.91	2.94	49.39	9.12
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	20	9.15	32.99	34.99	61.60	14.96	2.54	46.64	9.04
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	24	9.12	33.00	36.10	64.70	14.18	2.51	50.52	9.90
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	30	8.35	33.01	32.60	51.80	5.56	0.85	46.24	8.01



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	40	8.01	33.16	33.26	46.90	2.85	0.40	44.05	8.11
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	50	7.97	33.29	34.58	45.12		0.33		7.39
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	60	7.83	33.48	36.79	45.09	2.91	0.43	42.17	5.19
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	69	7.78	33.70	36.49	46.69		0.31		4.46
W0107A	7/6/01	23:33	5	NH-15	44.65	-124.41	86	7.36	33.90	40.64	44.30		0.34		4.94
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	2	11.55	32.41	20.63	75.43	14.81	2.17	60.62	11.67
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	10	11.53	32.41	22.21	71.80	14.21	2.13	57.59	12.94
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	15	11.43	32.42	20.51	72.47	12.69	1.93	59.79	12.93
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	20	11.07	32.41	17.07	66.84	9.55	1.45	57.30	10.80
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	30	9.52	32.43	12.78	70.10		0.43		8.92
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	40	8.96	32.50	14.90	64.42		0.46		9.92
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	50	8.53	32.55	23.26	61.67	2.94	0.42	58.73	10.38
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	70	8.24	33.05	29.29	53.74				7.95
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	100	8.00	33.67	38.17	46.20		0.22		7.81
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	150	7.33	33.93	42.60	46.90				7.17
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	200	6.56	34.01	43.87	46.88				5.17
W0107A	7/7/01	3:09	7	NH-25	44.65	-124.65	285	6.25	34.04	44.44	47.28				4.93
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	1	14.35	32.18	10.71	85.71	16.91	2.29	68.80	7.43
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	10	14.34	32.18			13.84	1.98		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	20	14.31	32.18			11.24	1.78		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	30	13.04	32.23			7.20	0.97		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	40	10.56	32.48			9.68	1.50		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	50	9.28	32.51			6.45	1.17		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	55	9.15	32.53			6.68	1.11		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	70	8.56	32.74			4.41	0.64		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	100	8.33	33.49				0.25		
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	150	7.81	33.88						
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	220	6.57	34.01						
W0107A	7/7/01	6:34	8	NH-35	44.65	-124.88	435	5.68	34.10						
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	3	14.65	31.95	8.44	81.08	3.74	0.61	77.35	7.59
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	10	14.66	31.95			2.77	0.51		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	20	14.65	31.96				0.52		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	30	14.65	31.97			2.77	0.50		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	40	11.64	32.39				0.51		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	49	10.42	32.53				0.55		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	55	9.94	32.58			3.66	0.67		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	70	9.01	32.80				0.43		
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	100	8.51	33.40						
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	150	7.94	33.86						
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	500	5.35	34.14						
W0107A	7/7/01	10:00	9	NH-45	44.65	-125.12	643	4.71	34.24						
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	2	15.30	31.39	7.96	75.00	5.72	0.84	69.28	7.10
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	10	15.29	31.41			6.29	1.01		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	20	14.59	31.96			5.29	0.94		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	30	13.43	32.20			5.62	0.84		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	40	11.67	32.50			5.18	0.86		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	50	10.83	32.53			8.39	1.31		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	56	9.97	32.60			6.21	1.13		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	71	9.24	32.73			4.25	0.62		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	100	8.59	33.21			7.38	0.72		
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	150	8.09	33.80						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [µM]	TOC [µM]	POC [µM]	PON [µM]	DOC [µM]	DON [µM]
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	230	7.22	33.99						
W0107A	7/7/01	15:32	11	NH-65	44.65	-125.6	1000	3.60	34.40						
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	2	15.63	31.44	7.10	74.76	5.32	0.82	69.43	5.88
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	10	15.56	31.49	7.49	80.69	6.28	1.08	74.42	6.26
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	20	15.00	32.06	7.49	69.83	7.07	1.10	62.76	6.16
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	30	12.72	32.44	7.78	68.90	7.99	1.08	60.91	5.64
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	40	11.57	32.53	8.11	65.83	9.33	1.38	56.50	6.64
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	50	10.61	32.53	8.91	68.19	11.01	1.74	57.18	6.84
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	59	10.07	32.57	13.72	61.75	6.64	1.13	55.11	8.65
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	70	9.48	32.60	16.49	60.91	5.03	0.74	55.88	9.08
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	101	8.72	32.96	28.32	55.63	2.89	0.46	52.74	7.20
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	150	8.13	33.73	37.65	47.06				6.08
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	366	5.78	34.04	44.44	44.68				1.99
W0107A	7/7/01	18:19	12	NH-85	44.65	-126.05	1004	3.66	34.41		41.27				
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	2	14.50	32.29	21.77	96.80	21.73	3.24	75.07	17.55
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	4	13.65	32.36	21.99	97.51	22.42	3.56	75.10	16.32
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	5	13.97	32.33	19.68	92.10	26.52	3.87	65.58	13.31
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	11	11.40	32.58	30.80	71.80	20.86	3.32	50.94	16.13
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	15	9.00	32.89	36.80	65.50	13.25	2.06	52.25	13.48
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	20	8.97	32.93	37.30	59.20	9.79	1.53	49.41	14.34
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	24	10.06	33.39	39.97	61.73	9.30	1.45	52.43	19.72
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	30	8.52	33.54	44.38	59.55	7.60	1.16	51.94	21.50
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	40	7.76	33.70	46.43	54.10	9.83	1.35	44.27	18.18
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	47	7.66	33.78	45.98	56.83	15.06	2.11	41.77	15.85
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	50	7.61	33.80	45.00	59.47	14.47	2.24	45.01	16.15
W0109A	9/4/01	19:51	3	NH-05	44.65	-124.18	55	7.58	33.81	46.58	60.30	20.26	2.57	40.04	13.79
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	2	15.37	32.18	10.59	94.40	21.27	2.93	73.13	7.35
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	6	15.33	32.17	11.31	96.24	21.50	2.74	74.74	8.22
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	11	15.15	32.18	12.47	93.93	25.39	3.39	68.54	8.70
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	12	15.03	32.19	13.78	94.15	20.61	4.22	73.54	9.20
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	20	13.25	32.46	20.84	84.52	17.72	3.99	66.81	11.26
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	30	11.03	33.10	28.12	61.63	9.97	2.49	51.66	13.54
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	41	10.57	33.12	38.21	61.49	12.91	2.48	48.59	21.15
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	50	8.88	33.45	39.62	53.83	9.40	1.89	44.43	11.45
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	60	7.85	33.62	38.89	55.49	8.54	1.34	46.95	10.61
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	71	7.93	33.80	40.39	48.70	6.08	1.09	42.62	12.62
W0109A	9/4/01	21:52	5	NH-15	44.65	-124.41	85	7.69	33.84	42.63	49.70	8.28	1.48	41.42	8.51
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	1	15.49	32.19	12.47	79.21	18.94	3.04	60.27	9.29
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	10	15.47	32.20	12.85	81.07	19.47	3.16	61.59	9.46
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	12	15.45	32.20	12.67	82.15	20.58	3.36	61.57	8.99
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	21	15.01	32.39	13.64	82.90	25.22	3.74	57.67	9.16
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	30	11.71	32.92	24.15	62.71	8.79	1.78	53.92	14.33
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	40	10.82	33.09	28.68	59.54	6.53	1.26	53.02	14.77
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	50	9.23	33.27	34.87	57.94	5.03	0.94	52.91	12.43
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	70	7.89	33.47	35.94	50.42		0.58		8.08
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	100	7.79	33.88	39.84	48.70		0.33		8.62
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	150	7.41	33.97	41.70	42.20				6.70
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	201	7.14	34.01	42.21	45.59				6.12
W0109A	9/4/01	23:57	7	NH-25	44.65	-124.65	251	6.98	34.02	43.91	44.50				8.34
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	2	16.58	32.17	12.38	70.28	12.15	1.83	58.13	10.50

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	10	16.05	32.18			13.95	2.08		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	19	10.66	32.48			13.37	2.18		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	19	10.23	32.49			11.60	1.98		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	30	8.20	32.63			4.59	0.69		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	49	7.84	32.89			4.49	0.45		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	69	7.88	33.29			4.50	0.55		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	100	7.83	33.82			5.31	0.47		
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	151	7.46	33.98						
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	175	7.37	33.98						
W0109A	9/5/01	1:37	8	NH-35	44.65	-124.88	421	6.15	34.06						
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	3	16.86	32.02	11.32	68.46	9.25	1.20	59.21	9.96
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	10	16.51	32.03			7.42	1.31		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	20	14.34	32.13			10.26	1.96		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	25	11.72	32.31			9.42	1.76		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	30	10.46	32.42			8.35	1.54		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	40	9.38	32.53			6.10	1.08		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	50	8.10	32.86			4.16	0.52		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	70	8.06	33.29				0.41		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	99	8.03	33.67				0.36		
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	150	7.64	33.93						
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	231	6.78	33.99						
W0109A	9/5/01	19:21	9	NH-45	44.65	-125.12	501	5.10	34.14						
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	1	16.74	32.19	10.90	68.66	6.85	1.19	61.81	9.58
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	9	16.71	32.18			7.86	1.19		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	21	9.54	32.47			8.77	1.67		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	30	8.94	32.51			7.25	1.21		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	35	8.60	32.53			6.19	0.97		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	40	8.44	32.53			4.82	0.85		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	50	8.10	32.56			4.30	0.74		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	70	8.08	33.05			3.25	0.40		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	100	8.05	33.68			2.54	0.33		
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	150	7.61	33.94						
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	790	4.20	34.31						
W0109A	9/6/01	1:18	11	NH-65	44.65	-125.6	1006	3.71	34.41						
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	10	17.12	31.83	11.02	72.23	3.53	0.53	68.70	10.38
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	21	16.43	32.11	9.37	66.21	9.34	1.67	56.87	7.58
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	31	12.70	32.39	9.14	66.15	7.10	1.16	59.05	7.87
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	40	11.08	32.45	10.39	66.70	3.57	0.57	63.13	9.37
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	45	10.47	32.49	10.98	61.20	5.06	0.69	56.14	9.62
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	51	9.64	32.51	12.80	59.63	3.72	0.72	55.91	9.32
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	70	8.52	32.70	24.33	51.66	3.30	0.57	48.36	10.58
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	100	8.17	33.35	35.23	53.25		0.33		10.15
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	151	7.82	33.83	41.43					8.95
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	780	4.12	34.29	51.99					5.79
W0109A	9/6/01	4:14	12	NH-85	44.65	-126.05	1005	3.60	34.40	52.36					6.15
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	2	9.53	33.34	39.41		22.21	3.45		13.89
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	2	9.40	33.37	46.47		29.11	3.70		19.55
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	4	9.33	33.38	47.86		35.92	4.42		19.23
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	10	8.95	33.44		47.71	14.55	1.99	33.15	
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	15	8.72	33.49	40.75	45.65	13.87	1.76	31.78	11.60
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	20	8.55	33.55	41.09	48.40	11.52	1.67	36.88	11.43

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	25	8.46	33.59	41.75	45.84	8.43	1.42	37.41	12.08
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	30	8.27	33.63	42.54	44.43	6.97	1.09	37.46	11.32
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	35	8.03	33.71	43.14	45.77	7.65	1.36	38.12	9.87
W0109A	9/10/01	14:37	44	HH-01	44.00	-124.2	49	7.89	33.79	44.50	54.24	12.29	1.99	41.95	10.10
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	1	13.67	32.86	20.03	98.09	51.53	6.96	46.56	13.03
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	5	13.37	32.87			54.37	7.40		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	10	11.97	32.98			45.08	5.81		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	19	9.62	33.29			15.44	2.02		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	31	7.95	33.62			5.07	1.01		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	40	7.96	33.74			5.49	0.84		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	51	8.00	33.86			4.30	0.62		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	60	7.91	33.91			5.12	0.77		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	70	7.85	33.93			6.14	0.82		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	90	7.62	33.95			6.14	0.98		
W0109A	9/10/01	11:50	43	HH-02	44.00	-124.4	100	7.61	33.96			7.75	1.35		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	2	14.01	32.84	17.25	85.66	33.91	4.39	51.75	12.06
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	10	14.00	32.84			36.93	4.77		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	14	13.99	32.84			34.13	4.29		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	20	13.02	32.85			29.21	4.54		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	30	8.17	32.98			7.89	1.83		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	40	7.90	33.38			7.14	1.52		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	50	7.83	33.57			5.65	1.41		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	60	7.86	33.69			31.75	4.30		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	71	7.89	33.81			4.65	0.89		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	101	7.64	33.99			6.14	0.97		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	118	7.63	34.01			5.57	0.67		
W0109A	9/10/01	9:15	42	HH-03	44.00	-124.6	145	7.48	34.02			5.09	0.78		
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	2	13.52	32.65	22.16	95.41	43.99	5.56	51.42	15.20
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	5	13.55	32.65	19.29	89.68	50.82	6.26	38.87	11.59
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	10	13.38	32.66	21.55	94.95	45.61	5.76	49.33	14.08
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	17	12.68	32.80	21.66	92.11	33.57	4.66	58.54	13.10
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	21	12.49	32.76	23.68	81.63	24.39	2.95	57.24	15.03
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	31	10.94	32.67	28.47	69.60	34.44	4.50	35.16	15.85
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	40	8.21	32.79	35.18	50.71	4.92	0.73	45.79	17.98
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	50	8.00	33.18	38.09	45.41		0.61		11.32
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	59	7.99	33.53	42.29	43.93		0.54		12.21
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	71	7.89	33.69	44.87	46.64		0.64		10.19
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	81	7.83	33.74	45.66	44.93		0.64		9.81
W0109A	9/10/01	6:03	40	HH-04	44.00	-124.8	105	7.70	33.86	47.81	40.51	8.62	1.27	31.90	8.85
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	2	14.40	32.50	18.46	92.15	29.30	3.61	62.86	13.45
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	10	13.94	32.53	20.35	94.08	42.31	4.97	51.77	13.95
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	16	13.84	32.55	18.93	94.81	37.78	4.58	57.04	12.81
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	19	13.78	32.55	19.79	86.05	28.04	4.04	58.01	13.60
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	31	12.26	32.53	24.08	72.35	14.05	2.52	58.30	14.07
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	39	8.54	32.75	31.56	54.93		0.83		12.51
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	50	8.13	33.11	36.58	51.51	4.74	0.79	46.77	12.17
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	71	8.16	33.48	41.19	50.64		0.56		11.88
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	99	7.83	33.73	46.36	44.85		0.66		9.51
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	150	7.55	33.96	46.43	44.19				8.22
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	320	6.51	34.06	49.89	39.25				8.53
W0109A	9/10/01	1:34	39	HH-05	44.00	-125.	500	5.47	34.10	52.08	36.90				7.00

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	2	13.42	32.49	16.82	74.20	12.50	2.08	61.70	11.48
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	10	13.34	32.50			14.29	2.15		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	12	13.20	32.52			15.49	2.41		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	21	11.76	32.51			9.73	1.54		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	31	8.52	32.59			5.33	0.95		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	40	8.40	32.79			3.58	0.58		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	51	8.31	33.12			3.78	0.54		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	70	8.22	33.47			2.79	0.52		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	98	7.65	33.83			3.83	0.73		
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	151	7.48	33.96						
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	315	6.73	34.04						
W0109A	9/9/01	22:58	37	HH-07	44.00	-125.2	1006	3.71	34.41						
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	2	10.89	33.42	34.66	74.82	16.31	2.69	58.51	10.26
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	5	10.89	33.42	33.42	74.24	17.83	2.95	56.41	10.31
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	10	10.80	33.44	34.64	68.66	16.33	2.81	52.33	10.10
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	15	9.03	33.75	34.93	69.40	11.58	1.82	57.82	9.88
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	22	8.82	33.80	38.98	55.35	10.21	1.71	45.14	7.14
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	26	8.79	33.81	40.10	61.62	8.60	1.58	53.02	8.20
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	30	8.71	33.83	39.93	57.76	10.27	1.69	47.48	7.72
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	40	8.67	33.84	41.51	53.57	8.33	1.46	45.23	11.02
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	43	8.66	33.84	40.64	55.10	10.37	1.49	44.73	8.19
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	50	8.46	33.85	41.44	56.70	5.79	1.06	50.91	9.02
W0109A	9/6/01	16:01	14	FM-03	43.22	-124.5	57	8.42	33.85	41.98	53.31	6.39	0.95	46.91	8.89
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	1	11.09	33.17	34.10	75.08	23.10	3.49	51.98	13.71
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	6	10.82	33.17			20.90	3.13		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	10	9.96	33.30			9.99	1.68		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	15	9.06	33.44			7.55	1.19		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	20	8.32	33.49			7.18	1.17		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	30	8.49	33.87			8.43	1.19		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	40	8.40	33.90			6.75	1.17		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	50	8.38	33.90			7.24	1.28		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	60	8.37	33.90			6.45	1.08		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	70	8.36	33.90			7.02	0.96		
W0109A	9/6/01	17:26	15	FM-04	43.22	-124.58	82	8.34	33.91			6.58	0.87		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	2	12.38	32.66	22.97	82.33	23.43	3.67	58.90	12.12
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	5	12.08	32.59			20.40	3.21		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	10	9.86	32.63			12.40	1.93		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	20	8.57	32.76			8.32	1.29		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	30	8.45	32.89			7.42	1.12		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	40	8.42	33.27			5.00	0.76		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	51	8.15	33.53				0.70		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	60	8.30	33.75			4.58	0.84		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	70	8.36	33.88			5.74	0.92		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	101	8.04	33.95			6.20	0.95		
W0109A	9/6/01	19:05	16	FM-05	43.22	-124.67	153	7.97	33.97						
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	3	14.88	32.30	11.51	69.28	14.25	3.01	55.03	8.11
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	10	14.86	32.30	11.62	70.00	13.96	2.98	56.03	8.19
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	15	14.16	32.30	11.02	65.55	12.78	2.09	52.77	8.23
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	20	11.94	32.58	12.68	59.97	7.13	1.44	52.84	7.66
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	30	9.88	32.86	19.59	52.60		0.64		9.02

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	40	9.71	33.00	22.64	49.60		0.49		10.29
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	50	9.45	33.15	26.27	49.99		0.42		8.48
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	70	8.43	33.40	32.42	46.29		0.35		9.47
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	100	8.07	33.84	38.89	43.60		0.42		7.41
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	150	7.82	33.99	41.08	42.81				7.41
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	277	6.79	34.07	42.83	38.06				4.96
W0109A	9/6/01	22:07	18	FM-07	43.22	-124.83	300	6.59	34.07	43.27	41.27				5.41
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	3	16.19	32.13	10.47	68.05	6.75	1.15	61.30	8.94
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	10	16.15	32.15			6.87	1.18		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	20	15.97	32.18			6.89	1.17		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	30	11.98	32.68			6.87	1.17		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	40	10.99	32.79			5.27	0.92		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	45	10.26	32.86			4.44	0.85		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	49	10.29	32.93			4.25	0.74		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	70	9.81	33.23			3.12	0.62		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	100	8.79	33.66			3.01	0.49		
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	151	8.02	33.93						
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	710	4.51	34.26						
W0109A	9/6/01	1:18	19	FM-08	43.22	-125.	1006	3.73	34.41						
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	4	17.24	32.22	8.93	70.80	6.27	0.69	64.53	7.80
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	9	17.24	32.21	8.67	64.28	5.56	0.78	58.72	7.45
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	20	15.34	32.35	8.52	66.11	7.91	0.99	58.21	7.05
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	30	10.91	32.55	8.87	63.47	7.88	0.92	55.59	7.37
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	40	10.09	32.57	10.75		9.73	1.38		7.76
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	45	9.78	32.58	11.26		7.51	1.17		7.62
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	70	9.03	32.71	18.41		2.98	0.53		7.56
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	100	8.31	33.39	30.93		2.34	0.36		6.27
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	150	7.99	33.83	37.66					6.11
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	651	4.57	34.21	48.42					1.15
W0109A	9/6/01	3:22	20	FM-09	43.22	-125.17	1006	3.71	34.41	47.99					0.40
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	1	8.70	33.89	43.59	50.87	6.60	0.99	44.27	10.31
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	5	8.68	33.89			7.46	1.08		
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	10	8.68	33.89			5.35	1.02		
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	15	8.54	33.90			4.99	0.77		
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	20	8.18	33.94			6.50	0.86		
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	25	8.06	33.97			4.46	0.63		
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	30	7.91	33.99				0.63		
W0109A	9/9/01	14:07	36	RR-01	42.50	-124.5	32	7.59	34.01			5.70	0.96		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	1	8.83	33.75	41.16	52.68	8.19	0.92	44.49	10.63
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	5	8.79	33.77			7.50	1.11		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	10	8.73	33.77			7.24	1.18		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	20	8.62	33.81			8.00	1.06		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	27	8.47	33.82			5.98	0.93		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	30	8.28	33.88			6.42	0.68		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	40	8.04	33.96				0.30		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	50	7.97	33.98			4.39	0.57		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	60	7.97	33.99				0.66		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	69	7.93	33.99			4.71	0.66		
W0109A	9/9/01	12:50	35	RR-02	42.50	-124.6	81	7.89	34.00			5.14	0.64		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	2	9.18	33.21	33.32	54.41	6.01	1.09	48.40	11.91

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	5	9.04	33.34			7.02	0.92		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	10	8.93	33.35			5.69	0.84		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	20	8.81	33.45			5.10	0.74		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	30	8.72	33.55			4.70	0.85		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	40	8.68	33.57			5.26	0.73		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	50	8.68	33.59			5.46	0.74		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	54	8.68	33.60			5.81	1.03		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	60	8.67	33.61			6.02	0.87		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	71	8.69	33.64			5.45	0.79		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	100	8.32	33.91			5.84	0.48		
W0109A	9/9/01	11:33	34	RR-03	42.50	-124.7	124	8.00	33.98			6.32	0.65		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	2	9.46	33.06	30.88	56.99	7.74	1.39	49.24	11.03
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	10	9.45	33.06			7.41	1.26		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	21	9.06	33.22			6.40	1.15		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	31	9.05	33.23			8.32	1.33		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	35	9.05	33.23			7.12	1.22		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	40	9.06	33.25			6.66	1.12		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	51	8.98	33.27			6.70	1.04		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	70	8.65	33.46			3.95	0.62		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	100	8.29	33.90			3.96	0.51		
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	151	7.60	34.02						
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	231	7.20	34.04						
W0109A	9/9/01	9:58	33	RR-04	42.50	-124.8	590	5.12	34.21						
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	2	12.03	32.73	21.20	68.00	10.66	1.88	57.34	12.44
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	10	12.14	32.74			11.05	1.93		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	16	11.60	32.80			12.10	1.78		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	20	11.34	32.79			7.92	1.25		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	30	10.72	33.19			6.34	1.16		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	40	9.57	33.38			5.58	0.96		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	49	8.93	33.42			7.95	0.71		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	72	8.25	33.67			3.51	0.46		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	100	8.02	33.84			2.83	0.33		
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	150	7.79	33.99						
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	751	4.29	34.28						
W0109A	9/9/01	7:46	32	RR-06	42.50	-125.	1005	3.57	34.40						
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	3	13.86	32.60	18.63	75.80	21.65	4.12	54.15	11.88
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	10	13.89	32.61			22.10	3.94		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	20	13.84	32.61			19.04	3.67		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	24	13.54	32.61			17.12	3.28		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	30	10.21	33.00			7.99	1.61		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	39	9.64	33.15			5.79	0.93		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	51	8.76	33.35			3.61	0.68		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	70	8.36	33.66				0.22		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	100	8.06	33.87			3.42	0.39		
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	150	7.58	33.99						
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	785	4.34	34.33						
W0109A	9/9/01	5:40	31	RR-07	42.50	-125.2	1005	3.61	34.40						
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	3	8.56	33.91	38.59		6.62	0.85		6.41
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	5	8.56	33.91	38.65		7.21	0.99		6.02
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	9	8.56	33.91	38.98		7.89	0.98		6.44
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	14	8.56	33.91	42.80		5.71	0.81		10.44

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	20	8.55	33.91	37.84		6.73	0.84		5.41
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	23	8.56	33.91	38.55	58.08	8.96	1.09	49.12	5.72
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	25	8.55	33.91	39.65	49.01	8.01	0.98	41.00	6.84
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	29	8.56	33.91	39.29	55.14	6.06	0.82	49.08	6.54
W0109A	9/7/01	13:41	21	CR-01	41.90	-124.3	36	8.55	33.91	39.45	54.71	7.99	1.17	46.72	6.71
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	2	9.27	33.77	39.08	62.40	8.26	1.46	54.14	11.87
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	5	9.27	33.78			10.49	1.79		
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	10	9.26	33.78			8.24	1.54		
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	20	9.24	33.78			6.28	1.00		
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	60	9.03	33.81			7.29	1.08		
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	69	8.62	33.86			5.76	0.81		
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	86	8.33	33.95			5.17	0.48		
W0109A	9/7/01	17:07	23	CR-03	41.90	-124.5	99	8.28	33.96			6.13	0.84		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	4	9.56	33.69	37.55	65.70	8.52	1.30	57.18	11.45
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	10	9.55	33.69			5.94	0.87		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	20	9.55	33.69			6.30	0.79		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	30	9.43	33.69			5.19	0.94		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	36	9.27	33.69				0.68		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	40	8.78	33.75				0.52		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	52	8.64	33.79				0.40		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	70	8.34	33.89				0.37		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	100	8.13	33.99				0.51		
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	151	7.74	34.05						
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	205	7.43	34.07						
W0109A	9/7/01	20:35	24	CR-04	41.90	-124.6	450	5.74	34.10						
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	11	9.83	33.65	32.47	63.42	7.90	1.58	55.52	7.49
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	17	9.83	33.65	32.55	69.43	11.85	1.70	57.58	7.34
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	20	9.83	33.65	31.77	65.68	8.14	1.41	57.54	7.02
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	32	9.82	33.65	32.33	66.91	7.99	1.32	58.92	7.67
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	49	9.80	33.65	32.80	60.57	8.33	1.35	52.24	7.99
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	70	9.30	33.70	33.46	56.89	4.86	0.91	52.03	7.29
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	100	8.67	33.80	35.86	50.85	3.75	0.60	47.10	5.11
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	149	8.04	33.97	38.30	53.62				5.73
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	500	5.28	34.15	45.73	42.22				2.49
W0109A	9/8/01	0:18	25	CR-05	41.90	-124.7	624	4.95	34.26	46.98	51.06				2.64
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	3	9.57	32.85	23.66	62.05	6.52	0.99	55.54	11.83
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	10	9.55	32.86			6.49	1.03		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	20	9.55	32.85			5.22	1.03		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	30	9.55	32.86			7.67	1.18		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	37	9.54	32.87			6.54	1.13		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	40	9.51	32.88			8.70	1.22		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	51	9.43	33.18			3.92	0.72		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	101	8.66	33.61			4.03	0.92		
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	151	8.31	33.91						
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	499	5.60	34.17						
W0109A	9/8/01	16:00	27	CR-07	41.90	-125.	838	4.16	34.37						
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	3	11.03	32.78	17.07	65.78	8.17	1.48	57.61	9.39
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	10	11.00	32.78	15.86	68.69	8.09	1.57	60.60	8.04
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	20	10.83	32.77	16.40	62.44	7.54	1.40	54.90	8.92
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	29	10.63	32.74	16.08	61.06	7.10	1.26	53.96	8.74



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	32	10.62	32.76	16.10	58.92	5.43	1.23	53.48	8.63
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	41	10.76	32.89	18.42			1.19		8.34
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	49	10.43	33.23	24.36	58.69	4.84	1.07	53.86	10.18
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	69	9.89	33.37	27.02	63.10	4.57	0.86	58.53	8.81
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	101	9.02	33.66	32.76	52.80	3.73	0.60	49.07	7.34
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	150	8.45	33.90	36.50	54.57				5.47
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	359	6.26	34.05	42.61	47.88				3.27
W0109A	9/8/01	22:50	29	CR-09	41.90	-125.4	1005	3.71	34.42	47.10	40.75				0.40
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	3	13.29	32.77	19.15	72.46	12.28	2.24	60.18	12.51
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	11	13.29	32.77			11.17	2.10		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	16	13.20	32.77			10.80	2.15		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	20	13.13	32.77			11.64	2.10		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	30	13.01	32.80			9.01	1.91		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	40	12.75	32.80			8.43	1.80		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	49	12.46	32.80			7.10	1.51		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	69	10.28	33.42			4.32	0.76		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	99	8.65	33.68			4.78	0.52		
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	149	7.78	33.93						
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	719	4.48	34.31						
W0109A	9/9/01	1:01	30	CR-10	41.90	-125.7	1006	3.71	34.42						
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	2	10.69	30.92	24.79	70.27	19.19	2.06	51.08	13.28
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	5	10.74	30.97	24.34	69.64	14.12	1.69	55.52	13.27
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	10	11.35	32.12	16.89	65.60	10.04	1.02	55.56	10.41
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	15	11.41	32.34	16.56	60.36	12.01	1.22	48.35	9.81
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	21	11.46	32.43	15.37	57.57	11.59	1.17	45.98	8.78
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	25	11.56	32.55	16.39	57.47	10.51	1.08	46.95	9.09
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	31	11.70	32.62	16.30	57.08	7.89	0.72	49.19	9.82
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	40	11.50	32.63	16.47	54.61	7.60	0.70	47.01	9.88
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	50	11.55	32.65	15.99	53.59	6.45	0.72	47.14	9.33
W0111B	11/27/01	20:58	3	NH-05	44.65	-124.18	53	11.63	32.70	16.58	56.95	7.37	0.83	49.58	9.45
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	3	11.10	32.38	16.38	53.82	8.78	1.09	45.05	10.68
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	5	11.10	32.38	17.37	55.15	8.84	1.06	46.31	11.52
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	10	11.10	32.38	17.52	56.96	10.26	1.21	46.70	11.52
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	20	11.08	32.38	17.03	63.15	9.18	1.03	53.97	11.03
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	30	11.08	32.41	17.35	55.17	5.76	0.83	49.41	11.08
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	34	11.07	32.42	16.29	53.99	8.41	1.10	45.57	9.74
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	40	11.05	32.45	16.16	63.81	9.02	1.16	54.79	9.72
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	50	11.09	32.50	17.35	63.60	6.40	0.83	57.20	10.09
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	61	11.13	32.84	20.95	53.18	6.14	0.65	47.05	11.85
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	71	10.43	33.21	27.56	53.59	6.89	0.82	46.70	11.30
W0111B	11/27/01	23:49	5	NH-15	44.65	-124.41	85	10.00	33.37	30.97	50.66	8.13	0.95	42.53	11.33
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	3	10.96	32.44	19.29	62.19	7.57	1.07	54.62	11.96
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	10	10.96	32.44	18.84	59.76	8.31	1.21	51.44	11.65
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	20	10.96	32.44	19.37	61.85	8.90	1.21	52.95	11.77
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	30	10.96	32.44	19.61	51.56	6.16	0.85	45.40	12.08
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	40	11.01	32.52	19.71	51.51	5.50	0.61	46.00	11.15
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	50	10.41	32.73	28.38	50.21	3.54	0.46	46.67	16.38
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	70	9.75	33.45	32.13	49.82	4.10	0.58	45.73	10.76
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	100	9.33	33.60	34.86	43.10	3.29	0.41	39.81	10.36
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	149	8.82	33.78	37.73	46.09	3.63	0.39	42.46	9.10
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	200	8.44	33.91	39.28	44.89				9.01

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0111B	11/28/01	2:48	7	NH-25	44.65	-124.65	250	7.91	33.97	41.14	41.07				9.30
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	4	11.01	32.41	16.67	54.15	15.49	2.34	38.66	9.96
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	10	11.02	32.40			15.05	2.33		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	20	10.97	32.43			10.04	1.88		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	25	10.91	32.46			9.57	1.68		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	30	10.87	32.47			11.66	1.96		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	39	10.56	32.60			5.73	0.95		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	50	9.52	32.88			3.81	0.51		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	70	8.75	33.17			2.34	0.45		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	100	8.95	33.70			4.37	0.68		
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	150	8.49	33.87						
W0111B	11/28/01	6:14	8	NH-35	44.65	-124.88	420	5.62	34.09						
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	2	9.70	31.95	18.39	83.65	22.83	2.75	60.81	13.25
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	5	9.70	31.94	18.09	91.57	29.28	4.09	62.28	11.82
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	10	9.70	31.95	18.37	76.64	19.32	2.92	57.32	12.75
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	15	9.69	32.15	17.26	67.65	22.62	3.55	45.04	10.93
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	20	9.69	32.29	17.48	67.62	16.40	2.66	51.22	11.69
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	25	9.70	32.34	18.95	61.23	15.76	2.75	45.48	12.88
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	31	9.73	32.41	18.84	63.89	16.51	2.50	47.38	11.92
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	41	9.74	32.46	19.33	62.16	16.35	2.44	45.81	11.88
W0202A	2/20/02	1:23	3	NH-05	44.65	-124.18	54	9.73	32.48	20.91	60.36	20.38	2.64	39.98	12.67
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	4	9.60	32.03	18.52	74.51	18.51	3.03	55.99	12.73
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	5	9.60	32.03	18.92	70.44	20.11	3.34	50.33	12.97
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	10	9.60	32.04	19.65	69.88	17.54	2.95	52.34	14.01
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	20	9.63	32.22	19.19	62.47	11.47	2.03	51.00	13.25
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	32	9.72	32.44	20.41	57.20		0.85		14.17
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	43	9.68	32.65	23.86	59.48	7.89	1.17	51.59	15.12
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	51	9.62	32.69	24.86	60.82		0.98		14.18
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	63	9.61	32.71	25.14	56.46	6.84	1.08	49.62	13.89
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	71	9.49	32.85	26.68	58.10	11.63	1.57	46.47	11.22
W0202A	2/20/02	4:55	5	NH-15	44.65	-124.41	88	9.42	33.11	29.02	62.04	11.03	1.82	51.01	11.31
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	3	9.53	31.98	20.54	70.40	11.38	2.05	59.02	13.65
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	10	9.53	31.98	18.92	70.10	15.73	2.02	54.37	12.05
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	19	9.59	32.02	19.52	73.46	13.62	2.00	59.84	12.53
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	31	9.54	32.06	19.83	76.40		1.85		12.86
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	39	9.58	32.14	19.38	72.75	19.74	1.66	53.01	11.50
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	50	9.74	32.40	20.96	66.91	4.28	0.59	62.63	11.92
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	73	9.78	32.73	24.79	57.31	3.95	0.62	53.36	12.06
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	101	8.98	33.54	35.65	59.99	4.62	0.73	55.37	10.34
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	150	8.14	33.88	40.43	48.03	4.01	0.66	44.03	7.89
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	199	7.74	33.96	42.02	61.50	4.62	0.68	56.88	9.51
W0202A	2/20/02	8:04	7	NH-25	44.65	-124.65	249	7.43	33.99	43.11	48.95	4.17	0.57	44.78	7.97
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	3	9.38	32.47	19.01	60.07	6.70	1.03	53.36	11.50
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	11	9.30	32.47			6.70	1.01		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	17	9.27	32.47			6.58	1.26		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	20	9.25	32.47			6.84	1.17		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	30	9.26	32.48			7.68	0.98		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	40	9.25	32.48			11.20	1.04		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	49	9.30	32.50			8.91	0.88		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	71	9.69	32.96			4.86	0.74		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	99	9.13	33.50				0.40		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	151	8.11	33.91				0.45		
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	366	6.19	34.06						
W0202A	2/20/02	23:09	11	NH-35	44.65	-124.88	435	5.81	34.08						
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	2	9.54	32.45	19.69	67.40	20.24	2.84	47.16	12.12
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	10	9.52	32.46			13.69	2.16		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	20	9.51	32.46			13.30	2.02		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	30	9.51	32.46			11.96	1.75		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	39	9.51	32.47			16.19	1.98		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	49	9.52	32.49			8.37	1.55		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	69	9.78	32.87			3.93	0.61		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	100	8.47	33.47			3.87	0.53		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	149	7.82	33.87				0.36		
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	501	5.28	34.12						
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	520	5.21	34.13						
W0202A	2/20/02	21:18	10	NH-45	44.65	-125.12	656	4.57	34.23						
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	2	8.60	32.34	17.91	57.28	5.90	0.95	51.38	10.93
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	10	8.54	32.34	17.56	53.03	6.38	0.92	46.65	10.83
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	21	8.52	32.34	18.21	67.34	5.17	0.86	62.18	10.73
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	30	8.52	32.34	17.28		6.18	0.87	-6.18	9.50
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	38	8.53	32.34	17.58	61.57	8.55	0.86	53.02	9.24
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	50	8.58	32.36	16.61	59.20	5.29	0.79	53.91	8.28
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	70	8.78	32.41	17.06	55.99	4.44	0.76	51.55	8.30
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	100	7.94	33.04	28.42	63.97		0.42		9.12
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	151	7.75	33.76	35.77	51.50		0.37		6.15
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	783	4.17	34.31	47.23					3.29
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	1004	3.66	34.41	47.70	40.31				
W0202A	2/20/02	18:27	9	NH-65	44.65	-125.6	1006	3.66	34.41	48.07					3.15
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	5	9.25	33.28	34.73	68.38	23.27	3.38	45.11	9.11
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	10	8.94	33.39	35.49	61.76	16.78	2.55	44.97	8.89
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	15	8.71	33.47	36.91	59.30	16.97	2.31	42.33	8.68
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	20	8.38	33.63	38.75	54.37	10.62	1.54	43.75	7.42
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	25	8.09	33.79	39.43	53.24	6.76	1.13	46.48	8.35
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	30	8.09	33.80	40.08	52.83	6.87	1.19	45.96	7.95
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	40	7.86	33.88	40.42	49.47	5.96	0.77	43.51	9.34
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	50	7.82	33.90	41.10	54.31	6.91	0.88	47.40	8.60
W0204A	4/5/02	0:53	3	NH-05	44.65	-124.18	56	7.80	33.91	40.59	51.95	7.61	0.83	44.34	6.60
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	2	8.97	31.60	12.71	87.51	7.13	1.11	80.38	8.87
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	5	8.97	31.60	12.51		6.53	0.95		8.64
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	10	8.96	31.60	12.84	69.87	8.47	1.42	61.41	8.26
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	20	8.87	31.70	12.41	67.39	8.35	1.30	59.04	7.78
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	30	8.95	32.09	14.38	66.32	6.54	0.89	59.78	8.29
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	40	8.98	32.25	15.63	67.69	8.31	1.05	59.38	8.10
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	50	8.94	32.44	16.75	69.80	7.22	0.83	62.58	7.59
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	60	9.10	32.69	21.42	65.00		0.56		9.66
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	70	9.02	33.16	29.54	62.10		0.45		9.88
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	74	8.98	33.22	30.72	67.20		0.47		10.10
W0204A	4/5/02	3:51	5	NH-15	44.65	-124.41	88	8.65	33.49	34.58	60.90		0.45		12.06
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	2	9.72	31.07	9.60	88.40	27.45	2.38	60.95	7.04
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	10	9.47	31.43		88.30	23.35	2.70	64.95	

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	17	9.30	31.69	12.60	83.50	24.49	3.61	59.01	8.28
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	20	9.29	31.71	13.74	86.60	24.04	4.13	62.56	8.85
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	30	9.13	32.25	14.65	91.10	7.16	1.23	83.94	8.43
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	40	8.98	32.37	22.35	61.80	5.36	0.83	56.44	15.31
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	50	8.93	32.42	22.96	61.30	4.63	0.75	56.67	15.07
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	70	8.90	32.68	28.39	55.70		0.53		15.23
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	100	8.81	33.57	35.85	54.30		0.39		9.93
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	150	8.05	33.90	40.27	52.60				10.34
W0204A	4/5/02	7:02	7	NH-25	44.65	-124.65	200	7.40	33.99	41.50	54.40				8.62
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	1	9.79	31.36	10.97	100.60	25.57	2.55	75.03	8.33
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	5	9.73	31.48			40.47	3.31		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	10	9.55	31.66			38.34	3.56		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	20	9.10	32.35				1.20		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	30	8.94	32.40			5.13	0.74		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	40	8.82	32.41			5.37	0.71		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	50	8.87	32.46				0.39		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	70	8.81	32.77				0.39		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	100	8.86	33.38				0.48		
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	150	8.22	33.85						
W0204A	4/5/02	10:17	8	NH-35	44.65	-124.88	427	5.33	34.12						
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	2	9.85	31.32	9.82	79.20	12.04	2.27	67.16	6.42
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	10	9.82	31.61			16.74	3.02		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	19	9.47	32.20			11.87	2.87		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	25	9.22	32.36			7.23	1.39		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	30	9.12	32.40				1.16		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	40	9.05	32.42			4.60	0.94		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	50	8.93	32.46			4.89	0.91		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	69	8.95	32.51			4.41	0.77		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	100	8.75	32.75				0.39		
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	150	8.25	33.83						
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	499	5.31	34.12						
W0204A	4/5/02	13:47	9	NH-45	44.65	-125.12	680	4.60	34.22						
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	1	10.00	31.40	11.27	90.30	15.37	2.09	74.93	9.15
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	10	9.92	31.50			13.80	2.38		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	15	9.23	32.12			11.00	2.17		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	20	8.77	32.40			7.55	1.55		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	30	8.67	32.41			7.58	1.28		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	40	8.57	32.41			5.40	1.13		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	50	8.35	32.41			3.93	0.56		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	70	8.99	32.65			4.26	0.55		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	100	8.38	33.33				0.41		
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	150	8.03	33.80						
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	600	4.96	34.17						
W0204A	4/5/02	20:09	11	NH-65	44.65	-125.6	1005	3.70	34.40						
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	1	9.92	32.22	14.28	75.80	19.93	3.38	55.87	10.56
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	4	9.92	32.22	13.66	72.50	18.18	3.01	54.32	10.31
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	10	9.91	32.22	13.66	78.60	18.24	3.38	60.36	9.79
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	20	9.83	32.23	13.14	81.10	14.95	3.06	66.15	9.01
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	30	9.56	32.49	16.15	67.20	7.57	1.30	59.63	10.77
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	40	9.44	32.51	14.98	64.70		0.79		8.53
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	50	9.11	32.50	15.55	65.90		0.43		9.06

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	70	8.95	32.51	16.65	64.10		0.68		8.68
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	100	8.96	32.91	24.94	63.70		0.40		9.07
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	150	8.39	33.67	33.25	57.20				5.69
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	285	6.92	34.02	39.58	57.57				3.60
W0204A	4/5/02	23:13	12	NH-85	44.65	-126.05	1005	3.65	34.41	46.52	43.70				1.66
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	2	10.10	32.51	17.59	168.80	64.44	6.13	104.36	10.95
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	5	10.02	32.51	17.96	171.70	73.04	6.82	98.66	10.48
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	10	9.72	32.53	20.20	143.30	50.28	5.62	93.02	11.92
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	15	8.97	32.81	24.86	64.80	15.07	2.31	49.73	8.13
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	20	8.95	33.01	27.75	58.00	7.22	1.28	50.78	8.49
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	25	8.88	33.20	30.77	59.10		1.00		8.31
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	29	8.75	33.35		54.40	8.49	1.09	45.91	
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	40	8.46	33.66	37.38	57.20	11.05	1.41	46.15	6.87
W0204A	4/9/02	12:45	40	HH-01	44.00	-124.2	48	8.44	33.67	37.30	60.60	8.76	1.10	51.84	10.87
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	3	9.64	32.72	21.98	116.50	46.53	7.18	69.98	9.77
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	4	9.64	32.72			46.41	7.22		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	10	9.64	32.72			42.53	7.32		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	20	9.55	32.79			34.77	6.14		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	24	9.19	33.04			28.20	4.51		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	30	8.63	33.49				0.92		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	40	8.26	33.72				0.71		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	50	8.09	33.83				0.74		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	60	7.98	33.85				1.19		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	70	7.67	33.96				0.69		
W0204A	4/9/02	14:20	41	HH-02	44.00	-124.4	100	7.33	34.00			6.83	1.15		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	2	9.49	31.17	9.53	72.60	7.64	1.74	64.96	7.38
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	10	9.49	31.17			13.33	2.49		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	20	9.26	31.49			8.45	2.09		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	30	8.83	32.50				1.42		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	40	8.84	32.93				1.10		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	50	8.67	33.46				1.00		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	59	8.44	33.64				0.56		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	69	8.31	33.71				0.55		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	100	7.34	33.94				0.56		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	125	6.85	34.03			5.09	0.65		
W0204A	4/9/02	16:19	42	HH-03	44.00	-124.6	144	6.60	34.04			5.23	0.61		
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	2	9.52	31.82	10.00	84.20	16.35	2.83	67.85	7.07
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	5	9.52	31.82	9.38	85.40				
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	10	9.51	31.83	12.36	86.10	18.14	3.08	67.96	9.22
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	20	9.47	31.84	13.98	84.00	10.84	1.84	73.16	12.00
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	30	9.43	31.88	13.70	87.70	16.31	3.16	71.39	10.09
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	40	9.04	32.27	16.83	68.90	10.42	2.02	58.48	9.76
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	50	9.06	32.49	18.69	62.30		0.72		9.88
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	60	9.13	32.60	26.23	69.30		0.54		16.32
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	70	8.97	32.84	33.46	55.70		0.61		16.64
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	95	8.31	33.66	38.77	53.40		0.51		9.41
W0204A	4/9/02	17:52	43	HH-04	44.00	-124.8	110	8.30	33.68	39.05	58.50		0.43		9.56
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	2	10.03	31.91	8.15	95.70	11.19	1.44	84.51	5.94
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	10	9.90	31.95	7.80	88.70	12.69	1.49	76.01	6.13
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	20	9.67	32.05	8.89	88.80	13.48	2.04	75.32	6.05

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	25	9.55	32.10	9.87	78.40	11.08	1.91	67.32	6.62
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	30	9.19	32.22	12.20	87.20	9.42	1.92	77.78	6.67
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	40	9.10	32.49	13.95	77.10	8.53	1.69	68.57	6.48
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	50	9.00	32.49	15.37	71.30	9.80	1.55	61.50	7.47
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	70	8.75	32.48	15.16	69.10		1.06		6.00
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	100	8.65	33.37	29.32	64.00		0.75		5.11
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	150	7.55	33.89	37.62	60.60				3.83
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	500	5.45	34.14	43.61	51.40				1.32
W0204A	4/9/02	19:19	44	HH-05	44.00	-125.	820	4.29	34.32	45.36	57.90				0.01
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	2	10.29	31.76	7.88	77.80	8.27	1.44	69.53	6.42
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	10	10.29	31.76			9.16	1.47		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	20	9.75	32.02			14.91	1.88		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	30	9.16	32.37			19.74	3.29		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	40	9.05	32.42			9.90	1.75		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	50	9.01	32.47			8.01	1.27		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	70	8.89	32.64			5.00	0.88		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	100	8.71	33.37			5.51	0.87		
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	150	8.26	33.83						
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	900	4.02	34.36						
W0204A	4/9/02	21:10	45	HH-07	44.00	-125.2	1005	3.73	34.40						
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	1	10.07	32.48	12.83	65.90	6.59	1.36	59.31	7.19
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	10	10.05	32.48			7.05	1.50		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	20	9.93	32.51			6.35	1.27		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	30	9.81	32.51			5.91	1.32		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	40	9.46	32.52			4.94	1.08		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	45	9.44	32.53			4.38	0.90		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	50	9.22	32.52			4.05	0.81		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	70	8.96	32.54				0.52		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	99	8.69	33.17				0.41		
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	150	8.28	33.80						
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	910	3.88	34.37						
W0204A	4/9/02	23:05	46	HH-09	44.00	-125.4	1004	3.64	34.40						
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	1	9.65	32.77	24.36	146.70	61.29	9.06	85.41	14.08
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	5	9.41	32.79	23.29	146.60	50.03	7.83	96.57	13.19
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	10	8.93	33.18	23.70	132.80	40.58	6.81	92.22	13.52
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	15	8.51	33.46	24.42	128.10	38.98	6.16	89.12	13.41
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	20	8.31	33.62	26.27	106.30	28.13	4.43	78.18	13.06
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	25	8.29	33.65	31.78	74.10	21.32	2.11	52.78	8.93
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	30	8.06	33.82	34.60	68.10	8.21	1.21	59.89	7.53
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	40	7.81	33.91	38.43	51.20	3.80	0.53	47.40	6.31
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	50	7.76	33.92	38.75	54.90	4.17	0.62	50.73	5.14
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	55	7.77	33.92	38.79	56.54	5.34	0.66	51.20	5.23
W0204A	4/6/02	22:13	20	FM-03	43.22	-124.5	60	7.76	33.92	38.59	53.50	5.53	0.77	47.97	5.09
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	1	9.88	32.50	23.81	165.80	62.35	8.90	103.45	14.38
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	5	9.81	32.52			59.85	8.83		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	10	9.58	32.63			45.12	7.33		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	20	9.35	32.79			29.83	5.60		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	30	9.23	32.89			15.29	2.98		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	41	9.14	33.00			12.25	2.23		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	50	8.76	33.45				0.53		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	61	8.22	33.72				0.67		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	70	7.83	33.90				0.78		
W0204A	4/6/02	20:00	18	FM-04	43.22	-124.58	80	7.69	33.91						
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	2	9.71	32.25	147.10	53.30	5.85	93.80		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	5	9.63	32.26			54.61	6.23		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	10	9.60	32.27			36.14	4.67		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	20	9.47	32.41			28.39	4.92		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	30	9.22	32.71			9.09	1.65		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	40	9.14	32.96			8.40	1.72		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	51	8.99	33.18			7.64	1.25		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	60	8.76	33.42			3.64	0.52		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	70	8.18	33.75			4.48	0.60		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	100	7.71	33.95			5.89	0.46		
W0204A	4/6/02	17:23	17	FM-05	43.22	-124.67	151	6.98	34.02						
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	1	9.68	31.96	13.29	83.40	27.11	3.67	56.29	9.33
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	5	9.65	32.00	15.10	86.30	31.21	4.72	55.09	10.32
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	10	9.53	32.12	15.10	85.60	30.53	5.08	55.07	9.93
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	14	9.42	32.25	16.84	79.60	25.96	5.00	53.64	10.16
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	20	9.36	32.30	18.33		21.43	4.31		10.22
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	31	9.29	32.38	18.09	64.90	15.77	3.03	49.13	9.41
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	38	9.22	32.47	18.93	64.90	8.32	1.65	56.58	9.26
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	50	9.18	32.69	21.82	61.30	7.58	1.32	53.72	8.84
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	69	8.86	33.37	31.58	50.90		0.46		7.34
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	100	8.50	33.63	34.29	50.90	4.23	0.64	46.67	6.20
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	150	8.04	33.91	38.46	49.70				6.15
W0204A	4/6/02	12:49	15	FM-07	43.22	-124.83	300	6.19	34.07	44.12	46.20				4.80
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	1	10.08	32.53	19.22	63.10	10.47	1.93	52.63	14.74
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	5	10.10	32.53			9.39	1.83		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	10	10.10	32.53			10.74	2.07		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	20	10.01	32.55			14.42	2.74		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	30	9.91	32.55			8.70	1.41		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	39	9.83	32.57				1.00		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	50	9.82	32.57			6.41	1.07		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	70	9.26	33.02				0.53		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	100	8.54	33.59				0.44		
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	150	8.06	33.91						
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	850	4.17	34.34						
W0204A	4/6/02	10:32	14	FM-08	43.22	-125.	999	3.75	34.41						
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	1	9.93	32.44	13.99	84.50	22.17	3.34	62.33	10.62
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	5	9.98	32.46	14.15	84.80	19.20	2.88	65.60	10.91
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	10	10.01	32.48	14.01	76.80	16.19	2.73	60.61	10.31
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	20	9.96	32.54	15.10	64.30	14.52	2.66	49.78	8.92
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	30	9.89	32.56	15.14	60.90	16.63	1.58	44.27	9.16
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	41	9.87	32.56	13.83	67.00	7.07	1.22	59.93	8.03
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	50	9.83	32.57	15.50	64.70	4.76	0.94	59.94	9.30
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	70	9.41	32.84	15.44	64.60	4.65	0.93	59.95	8.89
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	99	8.70	33.59	34.55	53.00		0.43		7.16
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	150	8.30	33.84	37.70	52.70				6.22
W0204A	4/6/02	8:31	13	FM-09	43.22	-125.17	1000	3.77	34.41	49.42	48.70				0.98
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	2	8.76	33.58	37.70	77.40	20.29	3.94	57.11	13.38
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	5	8.76	33.57	37.28	69.50	20.92	4.27	48.58	12.03

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [µM]	TOC [µM]	POC [µM]	PON [µM]	DOC [µM]	DON [µM]
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	10	8.63	33.71	36.38	67.10	14.90	3.20	52.20	8.57
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	15	8.43	33.80	37.53	56.50	10.62	2.45	45.88	6.93
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	20	8.31	33.84	39.34	54.30	9.25	1.71	45.05	7.70
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	25	8.12	33.90	41.08	56.20	13.35	2.51	42.85	6.30
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	30	8.10	33.91	42.35	60.80	14.28	2.47	46.52	7.44
W0204A	4/8/02	15:04	33	RR-01	42.50	-124.5	32	8.10	33.91	42.48	65.20	19.57	3.45	45.63	7.07
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	2	8.85	33.63	32.38	103.00	12.69	2.49	90.31	9.54
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	5	8.85	33.63			14.93	3.10		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	10	8.82	33.64			13.35	3.00		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	20	8.79	33.65			12.14	3.04		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	30	8.09	33.90				1.27		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	40	7.90	33.95			8.44	1.96		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	50	7.87	33.96			5.63	1.08		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	60	7.85	33.97			5.15	0.79		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	70	7.84	33.97			5.91	0.87		
W0204A	4/8/02	16:10	34	RR-02	42.50	-124.6	83	7.84	33.97			6.67	1.04		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	2	8.71	33.63	33.99	86.90	20.32	4.41	66.58	6.59
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	5	8.63	33.68			15.50	3.64		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	10	8.62	33.71			17.70	4.11		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	15	8.61	33.72			15.25	3.68		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	19	8.60	33.74			16.45	3.77		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	30	8.60	33.75			12.42	2.92		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	40	8.56	33.77			11.74	2.68		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	51	8.54	33.77			11.30	2.63		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	60	8.44	33.79			12.07	2.43		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	70	8.15	33.87			8.06	1.12		
W0204A	4/8/02	18:01	35	RR-03	42.50	-124.7	120	7.70	33.98			8.93	1.60		
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	1	9.65	32.88	23.88	141.60	53.50	8.63	88.10	10.84
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	5	9.35	32.97	25.96	113.70	36.89	6.93	76.81	9.52
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	10	9.24	33.02	26.35	88.40	22.27	4.49	66.13	7.33
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	20	9.00	33.25	30.23	68.40	18.07	2.77	50.33	4.97
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	30	8.69	33.51	34.86	61.10		0.85		6.41
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	40	8.61	33.60	35.06	52.30		0.87		5.52
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	50	8.39	33.73	35.86	53.50	5.26	1.08	48.24	4.01
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	70	8.14	33.87	37.44		5.76	1.11		3.85
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	100	7.76	33.97	38.94	49.10	6.18	1.19	42.92	2.52
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	150	7.65	34.00	39.60	48.20				3.71
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	450	5.98	34.09	40.34	49.40				4.40
W0204A	4/8/02	20:05	36	RR-04	42.50	-124.8	500	5.72	34.11	44.03	47.40				0.73
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	1	10.44	32.22	10.91	113.40	37.79	3.63	75.61	7.21
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	10	9.81	32.23	11.56		36.79	3.86		7.60
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	19	9.78	32.24	11.45	101.30	33.75	4.51	67.55	6.63
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	25	9.76	32.24	11.54	101.80	24.45	4.05	77.35	7.10
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	30	9.27	32.32	13.71	83.80	18.07	3.06	65.73	6.47
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	39	9.55	32.53	15.38	71.30	10.26	1.74	61.04	5.54
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	50	9.38	32.77	23.44	60.80		1.09		7.68
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	70	8.83	33.48	30.96	63.20		0.56		5.05
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	100	8.45	33.76	34.78	61.70		0.42		4.33
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	150	8.02	33.91	37.39	52.70	3.95	0.70	48.75	3.58
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	200	7.64	34.01	38.93	52.80				6.67
W0204A	4/9/02	0:20	38	RR-06	42.50	-125.	1005	3.61	34.43	47.58	41.10				2.64



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	2	10.24	32.39	17.53		17.74	2.31		15.20
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	10	10.21	32.39			16.98	2.18		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	20	10.02	32.43			19.89	2.68		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	26	9.88	32.50			13.14	2.35		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	50	9.69	32.56			14.70	2.40		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	70	9.37	32.82			5.57	0.99		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	100	8.70	33.50				0.52		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	150	8.41	33.87				0.39		
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	830	4.09	34.35						
W0204A	4/9/02	2:24	39	RR-07	42.50	-125.2	1006	3.65	34.43						
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	2	9.74	33.15	24.57	128.80	44.93	6.53	83.87	11.66
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	5	9.74	33.15	25.33	131.30	44.85	6.68	86.45	11.16
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	10	9.58	33.23	27.72	114.20	31.64	5.09	82.56	10.09
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	15	8.73	33.73	34.82	80.60	25.13	4.05	55.47	6.97
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	20	8.63	33.77	34.90	76.60	15.36	3.17	61.24	5.98
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	25	8.49	33.78	36.03	74.20	17.24	2.59	56.96	5.13
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	30	8.28	33.83	39.12	83.50	20.82	3.24	62.68	4.18
W0204A	4/8/02	0:56	30	CR-01	41.90	-124.3	34	8.26	33.85	40.83	90.60	27.05	4.07	63.55	4.93
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	2	9.62	33.31	23.95	101.30	26.32	4.63	74.98	9.01
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	5	9.64	33.30			32.85	5.52		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	10	9.60	33.33			30.90	5.14		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	20	9.12	33.61			8.61	1.77		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	30	8.95	33.64				1.27		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	40	8.55	33.78				1.10		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	50	8.23	33.91				0.58		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	60	8.15	33.93			3.93	0.64		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	70	7.97	33.99			3.91	0.59		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	100	7.92	34.00			6.31	0.79		
W0204A	4/8/02	4:16	32	CR-03	41.90	-124.5	133	7.92	34.00			7.57	0.83		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	2	9.26	33.39	32.24	70.10	6.76	1.44	63.34	8.98
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	9	9.26	33.39			9.10	1.52		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	20	9.19	33.39			7.95	1.54		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	25	9.05	33.43			7.00	1.21		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	30	8.89	33.50				1.00		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	40	8.79	33.57				0.75		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	50	8.66	33.64			4.16	0.54		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	70	8.52	33.72			4.29	0.50		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	100	8.33	33.84			3.86	0.40		
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	150	8.21	34.03						
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	449	5.83	34.10						
W0204A	4/7/02	22:55	29	CR-04	41.90	-124.6	495	5.69	34.11						
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	2	9.54	33.29	27.78	74.50	17.51	3.12	56.99	6.45
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	10	9.54	33.28	27.84	79.10	17.10	2.97	62.00	6.92
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	20	9.44	33.29	28.59	79.10	11.95	2.37	67.15	7.17
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	30	9.04	33.39	30.87	70.30	5.31	1.06	64.99	6.26
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	40	8.80	33.53	33.46	64.70	5.86	0.95	58.84	5.76
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	50	8.56	33.68	35.50	62.10	5.03	0.75	57.07	4.79
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	70	8.40	33.77	36.30	60.70	5.93	0.54	54.77	4.41
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	100	8.06	33.92		59.90		0.35		
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	150	7.58	34.01	39.92	63.50				3.27

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	401	6.03	34.09	44.90	57.40				0.65
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	500	5.36	34.15		56.10				
W0204A	4/7/02	21:26	28	CR-05	41.90	-124.7	645	4.79	34.23		52.00				
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	2	10.04	32.57	16.32	108.50	26.16	3.61	82.34	11.78
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	5	10.04	32.57			27.47	4.42		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	10	10.00	32.57			23.34	3.84		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	20	9.72	32.59			14.03	2.62		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	30	9.61	32.65			12.82	2.43		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	41	9.44	32.73			10.54	1.57		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	50	9.48	32.81			8.66	1.55		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	70	9.18	33.07				1.25		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	100	8.80	33.48			4.79	0.69		
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	151	8.22	33.87						
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	501	5.27	34.14						
W0204A	4/7/02	18:24	26	CR-07	41.90	-125.	836	4.16	34.36						
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	2	10.09	32.61	16.60	80.90	7.07	1.76	73.83	9.72
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	4	10.09	32.61	16.24	71.20	7.26	1.69	63.94	9.57
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	10	10.09	32.61	15.47	71.40	10.78	1.87	60.62	8.63
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	20	10.09	32.61	15.47	82.20	14.52	2.23	67.68	8.29
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	30	10.06	32.61	16.39	71.60	14.93	2.24	56.67	9.15
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	40	10.02	32.62	15.52	71.00		1.60		8.49
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	50	10.01	32.65	15.09	73.60	9.15	1.84	64.45	8.04
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	70	9.43	32.91	24.61	69.20	4.95	1.01	64.25	9.72
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	100	9.22	33.15	28.71	66.10	4.08	0.79	62.02	8.77
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	150	8.80	33.50	34.02	63.00				7.03
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	770	4.38	34.32	50.22	51.90				0.45
W0204A	4/7/02	14:26	24	CR-09	41.90	-125.4	1006	3.75	34.42	50.26	45.40				0.05
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	1	10.22	32.69	16.51	80.70	16.23	2.58	64.47	10.47
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	10	10.23	32.69			11.07	1.92		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	15	10.34	32.73			18.08	3.45		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	20	10.45	32.79			12.37	2.26		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	30	10.15	32.81			9.41	1.58		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	40	9.86	32.78			8.10	1.34		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	50	10.12	32.87			8.03	1.15		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	70	9.53	33.11			7.30	1.12		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	100	8.86	33.56			5.10	0.58		
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	150	8.17	33.84						
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	390	6.04	34.08						
W0204A	4/7/02	9:44	22	CR-11	41.90	-126.	1000	3.77	34.41						
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	5	13.29	33.05	25.61	399.40		11.04		13.66
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	10	8.45	33.47	38.86	139.68	48.53	6.09	91.15	7.11
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	15	9.05	33.53	37.65	116.50				
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	20	7.66	33.81		63.10	45.17	4.67	17.93	
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	25	7.50	33.87	40.98	59.50	9.99	1.40	49.51	3.60
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	30	7.32	33.93	40.68	62.80	12.10	1.55	50.70	2.52
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	40	7.31	33.94	41.02	63.90	9.12	1.24	54.78	3.67
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	50	7.28	33.94	41.04	57.00	18.80	2.20	38.20	1.65
W0207A	7/9/02	23:53	3	NH-05	44.65	-124.18	55	7.28	33.94	42.03	55.90	10.74	1.55	45.16	6.26
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	2	15.67	29.55	11.41	155.40	54.33	4.49	101.07	6.91
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	4	15.64	29.56	11.70	139.30	48.17	4.22	91.13	7.41

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	10	11.05	32.04	21.66	79.80	18.39	3.11	61.41	6.29
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	20	7.50	32.92	34.83	64.30	5.83	0.67	58.47	3.24
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	30	7.05	33.26	32.61	61.20		0.48		3.78
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	40	7.44	33.51	35.65	58.60		0.35		3.62
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	49	7.48	33.59	37.01	60.20	4.78	0.44	55.42	2.93
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	60	7.59	33.78	37.33	51.30	6.77	0.47	44.53	2.72
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	70	7.60	33.85	37.71	58.90	5.55	0.55	53.35	3.47
W0207A	7/10/02	4:59	6	NH-15	44.65	-124.41	85	7.32	33.92	41.75	53.40	6.19	0.81	47.21	2.87
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	2	15.97	28.70	10.52					
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	10	14.47	30.68	10.55	98.10	23.49	4.04	74.61	5.93
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	17	11.08	31.99	20.17	83.10	17.79	2.80	65.31	4.76
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	20	8.37	32.28	19.35	66.50	9.60	1.35	56.90	6.05
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	30	8.08	32.38	17.26	55.00	6.86	1.08	48.14	6.12
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	40	7.44	32.50	23.42	55.00	5.34	0.59	49.66	5.02
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	50	7.47	32.97	35.33	49.90	6.05	0.66	43.85	4.37
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	70	7.37	33.43	33.43	49.50	5.19	0.56	44.31	2.46
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	100	7.52	33.87	39.29	51.30	6.77	0.64	44.53	1.46
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	150	6.82	33.99	40.27	49.90				1.20
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	200	6.50	34.02	41.10	47.50				1.99
W0207A	7/10/02	7:40	7	NH-25	44.65	-124.65	223	6.48	34.02	41.21	47.50				4.77
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	1	16.52	27.85	10.54		16.95	2.56		7.94
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	9	15.03	31.74			7.99	1.31		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	20	10.19	32.22			9.32	1.74		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	27	9.35	32.26			7.69	1.47		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	30	9.12	32.33			7.42	1.32		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	40	7.88	32.37			7.17	1.27		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	49	7.57	32.42			6.30	0.87		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	69	7.40	32.83			6.25	0.81		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	98	7.42	33.45			4.09	0.49		
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	149	7.24	33.95						
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	364	5.94	34.08						
W0207A	7/10/02	10:45	8	NH-35	44.65	-124.88	430	5.79	34.10						
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	1	16.90	28.32	8.69		11.22	1.63		7.06
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	10	15.11	31.66			9.69	1.51		
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	20	13.00	32.08			9.54	1.71		
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	30	10.59	32.20			11.29	2.07		
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	37	9.16	32.30			11.78	2.04		
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	40	8.93	32.32			8.02	1.50		
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	50	8.13	32.37			6.03	1.04		
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	70	7.47	32.58						
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	100	7.34	33.23						
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	150	7.40	33.89						
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	499	5.10	34.14						
W0207A	7/10/02	14:53	9	NH-45	44.65	-125.12	660	4.41	34.27						
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	1	16.88	31.42	7.24		6.44	1.04		6.16
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	10	15.95	31.92			6.31	0.94		
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	20	14.82	31.96			10.23	1.48		
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	30	10.94	32.35			16.65	2.82		
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	38	9.77	32.40			11.51	2.45		
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	40	9.53	32.41						
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	50	8.98	32.40						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	70	8.23	32.40						
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	100	7.69	33.15			2.41	0.34		
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	150	7.70	33.83						
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	500	5.28	34.14						
W0207A	7/10/02	21:22	11	NH-65	44.65	-125.6	1005	3.56	34.42						
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	3	16.63	32.05	7.71		8.07	1.24		6.47
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	10	16.56	32.08	8.18		7.27	1.20		6.94
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	20	15.89	32.19	8.12		8.24	1.42		6.71
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	30	12.49	32.38	10.41					
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	36	10.64	32.38	11.85					
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	40	9.71	32.39	13.10					
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	50	9.12	32.39	14.73	75.50	7.16	1.23	68.34	6.82
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	70	8.49	32.37	15.90	68.20	5.03	0.71	63.17	6.26
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	100	7.49	32.59	21.60	62.20	2.90	0.36	59.30	6.03
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	150	7.72	33.64	32.83	53.80				5.14
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	639	4.71	34.21	47.66	43.50				
W0207A	7/11/02	0:21	12	NH-85	44.65	-126.05	1005	3.65	34.39	48.50	54.60				0.94
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	2	8.67	33.85	42.72	70.70	22.07	4.36	48.63	5.74
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	5	8.62	33.84	42.14	84.80	16.65	3.34	68.15	3.84
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	10	8.00	33.86	42.49	60.60	12.88	2.70	47.72	5.16
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	15	8.13	33.85	42.43	55.60	10.23	2.19	45.37	5.75
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	20	7.63	33.87	41.96	52.70	8.06	1.50	44.64	3.45
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	25	7.59	33.87	42.23	55.10	6.63	1.32	48.47	3.55
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	30	7.60	33.89	42.66	55.50	9.67	1.55	45.83	3.84
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	35	7.60	33.90	43.07	53.30	10.15	1.95	43.15	3.83
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	40	7.56	33.92	42.68	55.00	10.29	1.88	44.71	3.69
W0207A	7/14/02	12:50	40	HH-01	44.00	-124.2	50	7.48	33.94	45.17	57.80	15.34	3.06	42.46	5.02
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	2	10.65	33.20	32.27	157.90	90.20	16.42	67.70	11.29
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	5	10.64	33.21			20.11	3.90		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	10	9.84	33.38			35.99	7.18		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	20	9.42	33.46			38.99	7.57		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	30	7.72	33.66			8.20	1.36		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	35	7.78	33.84			6.91	0.67		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	40	7.67	33.86			5.39	0.67		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	50	7.59	33.88			5.05	0.77		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	60	7.45	33.94			7.73	0.71		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	70	7.25	33.96			6.31	0.59		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	100	7.05	34.00			6.82	1.29		
W0207A	7/14/02	14:04	41	HH-02	44.00	-124.4	110	6.99	34.00			9.36	1.79		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	2	13.82	32.33	20.79	153.60	60.46	10.38	93.14	10.36
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	10	8.12	32.75			16.34	3.07		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	20	7.41	33.12			6.69	1.37		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	30	7.33	33.22			3.91	0.94		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	40	7.61	33.61			3.38	0.90		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	50	7.57	33.79			3.99	0.41		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	60	7.50	33.88			4.73	0.65		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	70	7.43	33.92			4.34	0.79		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	100	7.07	33.98			7.58	1.06		
W0207A	7/14/02	15:27	42	HH-03	44.00	-124.6	145	6.68	34.03			8.51	1.45		
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	2	13.16	31.52	17.89	125.40	52.59	8.65	72.81	9.16

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	5	13.14	31.52	17.10	122.90	53.15	8.72	69.75	8.15
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	7	12.87	31.60	17.58	117.90	46.81	8.43	71.09	7.25
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	10	12.24	31.85	19.18	102.20	35.41	7.03	66.79	6.57
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	20	9.24	32.38	28.79	77.90	12.74	2.24	65.16	4.45
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	30	7.82	32.75	32.66	70.00	7.92	1.32	62.08	3.28
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	40	7.34	33.08	32.51	58.30	4.38	0.76	53.92	3.14
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	50	7.41	33.36	35.12	57.60	4.14	0.68	53.46	3.15
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	60	7.53	33.64	37.88	54.40	6.75	1.08	47.65	2.48
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	70	7.38	33.82	39.53	54.90	4.90	0.81	50.00	1.74
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	89	7.32	33.87	39.99	53.50	3.96	0.68	49.54	1.49
W0207A	7/14/02	16:50	43	HH-04	44.00	-124.8	105	7.13	33.94	41.03	55.90	4.14	0.63	51.76	2.01
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	1	14.68	31.09	10.76	100.70	20.75	3.36	79.95	7.20
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	9	12.53	31.87		87.00	16.81	2.57	70.19	
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	20	8.42	32.43		68.90	6.39	1.09	62.51	
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	30	7.29	32.68	24.95	72.00	4.91	0.53	67.09	4.39
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	40	7.89	33.12	27.49	63.60	6.19	0.46	57.41	3.86
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	50	7.91	33.34	30.65	70.80	4.14	0.34	66.66	3.90
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	70	7.99	33.62	33.52	59.80	3.94	0.39	55.86	3.14
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	100	7.53	33.88	37.77	61.50	5.74	0.64	55.76	2.61
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	150	7.11	34.00	40.03	58.30				2.40
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	375	5.99	34.09	43.21	58.30				0.80
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	470	5.68	34.14	44.53	51.40				0.46
W0207A	7/14/02	18:13	44	HH-05	44.00	-125.	500	5.52	34.16	44.82	47.80				0.94
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	2	15.20	31.04	10.74	95.10	18.42	3.09	76.68	7.46
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	10	13.92	31.41			16.13	2.97		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	14	10.13	32.13			10.36	1.87		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	19	8.29	32.29			6.75	1.34		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	30	7.88	32.38			5.33	0.80		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	40	7.38	32.49			4.67	0.52		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	50	7.21	32.73			4.20	0.54		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	70	7.60	33.23			2.64			
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	100	7.90	33.71			2.96	0.34		
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	150	7.40	33.96						
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	643	4.46	34.23						
W0207A	7/14/02	20:11	45	HH-07	44.00	-125.2	1005	3.60	34.42						
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	2	15.02	31.11	10.89	93.40	17.17	2.96	76.23	7.59
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	10	14.19	31.42			25.03	4.36		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	18	13.33	31.66			19.25	3.81		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	20	13.11	31.73			17.33	3.23		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	30	8.92	32.39			8.70	1.63		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	40	8.10	32.51			5.74	0.96		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	50	7.50	32.71			4.84	0.64		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	70	7.46	33.02			3.85	0.47		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	100	7.84	33.61			3.77	0.47		
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	150	7.53	33.93						
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	690	4.42	34.25						
W0207A	7/14/02	22:02	46	HH-09	44.00	-125.4	1004	3.68	34.41						
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	2	11.02	33.43	30.20	256.00	48.36	7.31	207.64	20.74
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	5	10.89	33.43	33.29	253.80	23.19	4.52	230.61	24.76
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	10	8.79	33.58	37.18	97.20	57.28	7.96	39.92	3.72
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	15	7.99	33.71	38.65	63.60	9.95	1.97	53.65	3.92

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	20	7.68	33.82	39.67	58.50				
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	25	7.60	33.85	39.65	60.40				
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	28	7.51	33.88	39.95	54.90				
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	34	7.38	33.93	40.99	63.70	7.51	1.38	56.19	3.15
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	40	7.38	33.93	40.54	52.30	10.01	1.68	42.29	2.68
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	50	7.38	33.93	40.32		16.39	2.49		0.63
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	54	7.38	33.93	40.68	66.90	8.78	1.27	58.12	2.28
W0207A	7/11/02	23:37	20	FM-03	43.22	-124.5	61	7.38	33.93	40.81		14.78	2.38		1.72
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	1	11.44	33.37	30.72	300.40	100.15	12.68	200.25	16.68
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	4	11.25	33.36			66.35	9.38		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	10	8.48	33.62			17.01	3.26		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	19	7.54	33.89			6.81	1.27		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	30	7.44	33.95			6.49	1.02		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	40	7.36	33.97			4.20	0.62		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	49	7.31	33.97			6.37	0.75		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	60	7.20	33.99			6.49	1.11		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	70	7.20	33.99			6.32	0.88		
W0207A	7/11/02	21:44	19	FM-04	43.22	-124.58	81	7.20	33.99			4.79	0.74		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	2	11.56	33.09	25.91	164.60	43.27	7.92	121.33	14.36
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	10	10.84	33.01			48.97	8.02		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	20	7.90	32.91			12.11	1.69		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	30	7.99	33.50			8.16	1.39		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	40	7.60	33.84			5.96	1.19		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	50	7.55	33.90			6.22	1.10		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	60	7.45	33.95			4.48	0.84		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	70	7.41	33.97			3.87	0.71		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	100	7.11	34.00			4.66	0.91		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	111	7.07	34.01			4.79	0.90		
W0207A	7/11/02	19:17	18	FM-05	43.22	-124.67	150	6.94	34.02			6.53	0.96		
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	2	14.52	31.83	10.92	140.40	15.09	2.53	125.31	8.35
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	10	14.49	31.83	10.65	117.90	14.66	2.57	103.24	8.02
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	20	11.05	32.11	14.95	104.10	20.81	3.64	83.29	8.61
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	22	10.20	32.13	19.10	93.80	19.71	3.56	74.09	8.30
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	30	7.83	32.36	23.45	67.60	8.52	1.37	59.08	7.19
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	40	7.53	32.61	24.49	64.90	4.69	0.62	60.21	6.35
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	50	7.45	32.89	28.51	71.80	5.29	0.64	66.51	6.44
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	70	7.87	33.64	35.95	66.60	4.67	0.56	61.93	5.09
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	100	7.47	33.93	40.02	60.30	4.06	0.51	56.24	4.45
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	150	6.99	34.01	40.28	47.20				4.34
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	240	6.54	34.03	42.38	46.20				4.37
W0207A	7/11/02	14:43	16	FM-07	43.22	-124.83	300	6.25	34.07	43.25	46.80				4.31
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	1	15.34	31.39	7.97	87.10	8.57	1.54	78.53	6.43
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	10	15.30	31.39			7.91	1.47		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	20	10.78	32.10			9.95	1.83		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	30	7.91	32.41			6.96	1.07		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	34	7.77	32.47			5.51	0.77		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	40	7.79	32.71			4.55	0.58		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	50	8.01	33.06			4.45	0.59		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	70	7.98	33.54			4.16	0.51		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	100	7.74	33.86			3.98	0.36		
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	150	7.18	34.00						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	745	4.52	34.28						
W0207A	7/11/02	12:24	15	FM-08	43.22	-125.	1006	3.79	34.40						
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	2	16.04	31.23	13.98	88.20	6.76	1.09	81.44	12.90
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	10	16.02	31.22	13.82	87.90	8.31	1.14	79.59	12.69
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	20	10.28	32.23	13.88	79.10	10.54	1.80	68.56	11.92
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	30	8.66	32.34	15.01	66.20	9.33	1.44	56.87	6.19
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	36	8.33	32.41	16.59	69.40	5.64	0.96	63.76	5.61
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	40	8.19	32.42	17.71	72.10	5.62	0.90	66.48	5.98
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	51	7.89	32.52	20.08	73.70	8.89	1.08	64.81	5.10
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	70	7.49	32.82	26.46	78.00	4.88	0.61	73.12	5.46
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	100	8.05	33.71	35.75	59.30	2.94	0.52	56.36	4.67
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	150	7.57	33.95	37.69	61.20				3.46
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	822	4.21	34.34	47.52	51.10				1.19
W0207A	7/11/02	10:04	14	FM-09	43.22	-125.17	1004	3.62	34.43	47.24	41.90				1.23
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	2	8.65	33.88	40.53	98.22	12.58	2.49	85.64	12.73
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	5	8.63	33.88	41.38	86.20	26.78	5.73	59.42	8.19
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	10	8.25	33.90	41.75	87.03	19.01	3.93	68.01	8.44
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	15	7.97	33.91	42.82	70.07	11.97	2.63	58.10	8.10
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	20	7.77	33.94	42.26		12.72	2.49		5.65
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	25	7.65	33.96	43.08		9.72	1.78		6.25
W0207A	7/13/02	15:05	33	RR-01	42.50	-124.5	31	7.60	33.97	43.25		11.00	2.00		5.97
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	2	8.56	33.57	37.35	111.70	22.72	4.43	88.98	8.96
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	5	8.57	33.57			24.16	4.57		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	9	8.48	33.61			23.39	4.73		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	20	8.28	33.76			18.93	3.82		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	30	8.15	33.83			15.17	3.09		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	40	8.10	33.89			15.88	2.99		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	50	7.94	33.90			12.84	2.59		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	60	7.73	33.92			11.09	1.97		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	70	7.51	33.95			16.94	2.50		
W0207A	7/13/02	16:20	34	RR-02	42.50	-124.6	81	7.42	33.96			8.49	1.21		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	1	9.80	33.09	29.29	155.80	39.10	7.47	116.70	12.72
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	5	9.79	33.09			44.30	8.15		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	10	9.68	33.12			36.38	7.08		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	15	9.44	33.19			33.87	6.86		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	20	9.20	33.27			29.59	5.93		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	30	8.74	33.40			25.86	5.08		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	39	8.41	33.39			13.24	2.53		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	49	8.36	33.53			14.50	2.46		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	60	8.35	33.62			15.64	3.16		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	69	8.36	33.67			20.07	4.17		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	90	7.60	33.90			13.97	2.48		
W0207A	7/13/02	18:00	35	RR-03	42.50	-124.7	120	7.10	34.03			6.96	1.28		
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	1	10.66	32.52	19.47	113.30	23.03	4.65	90.27	10.92
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	10	10.32	32.51	18.93	108.80	24.52	4.95	84.28	8.71
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	21	9.34	32.55	20.78		16.18	3.39		7.27
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	30	8.17	32.57	21.83		4.72	0.98		6.62
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	40	8.19	32.71	23.05		9.36	1.74		5.69
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	50	8.15	32.87	26.85		13.45	2.51		4.49
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	70	8.19	33.29	31.13		13.30	2.42		3.07

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	100	8.11	33.64	35.23		16.11	3.22		1.54
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	150	7.45	33.97	40.46					4.64
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	170	7.30	34.01	41.58					4.50
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	320	6.55	34.06	43.70	48.90				3.67
W0207A	7/13/02	20:09	36	RR-04	42.50	-124.8	500	5.33	34.19	47.90	51.10				3.05
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	2	11.41	32.40	15.38	147.50	33.87	5.52	113.63	9.30
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	10	10.75	32.44	18.27	127.80	28.02	5.27	99.78	10.25
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	20	9.08	32.62	23.68	86.70	13.02	2.52	73.68	10.48
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	30	9.06	32.65	22.23	87.10	11.95	2.65	75.15	8.88
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	40	9.10	32.71	23.07	90.40	14.85	2.83	75.55	8.45
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	50	9.06	32.71	22.65	92.30	16.72	3.27	75.58	7.27
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	60	8.95	32.71	23.30	96.10	18.36	3.67	77.74	6.49
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	70	8.73	32.79	24.27	78.80	18.25	3.70	60.55	4.84
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	100	8.08	33.30	32.02	65.60	21.44	4.49	44.16	1.63
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	151	7.94	33.88	37.49	59.30				4.53
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	870	3.96	34.38	49.35	49.50				1.24
W0207A	7/14/02	0:32	38	RR-06	42.50	-125.	1006	3.81	34.41	49.21	46.70				1.37
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	1	13.41	32.05		93.10	7.31	1.40	85.79	
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	10	10.68	32.40			15.18	2.99		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	20	9.53	32.53			14.51	2.95		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	25	9.31	32.54			13.32	2.76		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	30	9.29	32.57			13.80	2.86		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	40	9.03	32.56			9.53	2.04		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	50	8.64	32.52			8.11	1.44		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	70	8.06	32.87			4.39	0.54		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	100	8.06	33.48				0.64		
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	150	7.62	33.93						
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	700	4.32	34.30						
W0207A	7/14/02	2:25	39	RR-07	42.50	-125.2	1005	3.58	34.43						
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	2	10.11	33.77	35.49	203.20	71.72	13.00	131.48	12.87
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	5	9.88	33.79	43.12	207.20	72.20	11.99	135.00	20.17
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	10	9.17	33.84	41.39	139.82	63.43	10.57	76.38	7.69
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	15	8.48	33.90	45.63	82.45	22.33	5.05	60.12	6.39
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	20	7.99	33.96	45.32	72.24	12.62	2.16	59.63	4.60
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	25	7.88	33.98	46.46	63.02	11.29	1.81	51.73	6.16
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	30	7.79	33.98	47.20	61.12	18.35	2.18	42.77	5.15
W0207A	7/13/02	11:01	32	CR-01	41.90	-124.3	35	7.77	33.98	47.14	61.87	17.99	3.28	43.88	4.33
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	2	8.83	33.49	36.61	118.00	32.37	6.66	85.63	12.17
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	5	8.79	33.53			25.95	5.20		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	11	8.90	33.58			25.72	5.50		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	16	8.83	33.64			20.16	4.54		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	20	8.12	33.73			14.48	3.14		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	30	7.96	33.86			12.27	2.70		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	40	7.84	33.96			10.69	2.28		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	50	7.56	33.99			6.35	0.96		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	60	7.46	34.01			5.77	0.80		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	70	7.40	34.03			7.16	0.86		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	100	7.39	34.03			4.37	0.78		
W0207A	7/13/02	7:14	30	CR-03	41.90	-124.5	120	7.34	34.04			7.25	1.24		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	2	8.96	32.78	26.80	76.40	10.05	1.72	66.35	10.36



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	9	8.93	33.23			21.49	3.52		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	20	8.95	33.44			23.22	4.71		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	27	8.96	33.44			22.42	4.60		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	29	8.97	33.45			21.68	4.24		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	40	8.67	33.60			16.09	3.39		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	50	8.30	33.62			8.54	1.54		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	70	7.98	33.85			11.21	1.49		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	100	7.60	33.99			6.90	1.15		
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	150	7.26	34.05						
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	180	7.16	34.06						
W0207A	7/13/02	4:18	29	CR-04	41.90	-124.6	450	5.78	34.10						
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	1	9.30	32.45	16.10	80.00	9.79	1.85	70.21	6.34
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	10	9.27	32.46	16.73	88.40	10.35	1.72	78.05	6.44
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	20	8.91	32.55	19.50	72.00	8.54	1.68	63.46	5.44
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	30	8.60	32.78	22.20	63.60	6.54	1.10	57.06	5.24
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	40	8.62	32.98	25.62	69.20	8.22	1.57	60.98	5.40
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	50	8.81	33.16	27.98	80.30	11.82	2.26	68.48	6.83
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	60	8.82	33.19	28.49	81.70	13.99	2.74	67.71	6.27
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	69	8.82	33.21	28.35	84.80	11.32	2.21	73.48	6.41
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	100	8.07	33.63		57.50	6.81	1.18	50.69	
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	150	7.55	33.96	36.16	50.30				2.14
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	459	5.24	34.10	44.97	48.10				0.28
W0207A	7/13/02	2:42	28	CR-05	41.90	-124.7	499	5.10	34.13	44.44	56.50				1.50
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	2	13.60	31.96	9.09	80.80	13.19	2.19	67.61	6.88
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	10	13.49	31.97			8.83	1.63		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	20	12.74	32.08			11.02	1.88		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	22	12.70	32.09			9.57	1.83		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	30	12.22	32.17			11.96	2.11		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	40	11.86	32.21			8.83	1.79		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	50	9.27	32.51			6.83	1.49		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	70	8.86	32.89			4.94	0.98		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	100	8.72	33.24			5.37	0.89		
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	150	8.25	33.85						
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	500	5.62	34.19						
W0207A	7/12/02	22:44	26	CR-07	41.90	-125.	790	4.24	34.34						
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	1	13.57	32.00	9.22	68.60	9.03	1.34	59.57	7.84
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	10	13.56	32.00	8.64	61.50	9.58	1.43	51.92	7.11
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	21	13.53	32.00	9.18	64.40	9.82	1.83	54.58	7.33
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	30	13.33	32.02	9.88	62.90	9.92	1.71	52.98	8.13
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	39	10.77	32.37	12.47	66.20	11.34	2.26	54.86	8.55
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	43	10.04	32.46	15.44	67.50	17.50	3.15	50.00	9.09
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	50	9.48	32.55	20.64	66.40	15.99	2.93	50.41	8.89
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	70	9.33	32.77	24.28	59.20	13.46	2.47	45.74	6.88
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	101	8.56	33.12	29.64	52.40	12.35	2.39	40.05	6.11
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	151	7.85	33.80	38.64	48.90				6.44
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	796	4.11	34.33	50.84	45.20				2.99
W0207A	7/12/02	17:40	24	CR-09	41.90	-125.4	1004	3.59	34.43	51.46	43.50				3.60
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	2	15.27	32.07	9.02	76.30	8.45	1.39	67.85	7.61
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	10	15.26	32.07			8.36	1.39		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	19	15.25	32.07			10.08	1.91		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	30	14.23	32.25			9.65	1.72		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	37	11.54	32.41			10.72	1.73		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	40	10.81	32.42			14.99	2.70		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	49	9.80	32.44			17.53	3.26		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	70	9.04	32.45			9.15	1.54		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	100	7.69	32.81			6.29	1.08		
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	150	8.51	33.77						
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	636	4.76	34.22						
W0207A	7/12/02	12:18	22	CR-11	41.90	-126.	1004	3.72	34.41						
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	2	8.93	33.41	34.52	89.69	19.68	2.96	70.01	4.45
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	6	8.92	33.41	34.25	90.54	19.42	2.96	71.12	3.89
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	10			33.11	89.31	20.35	3.06	68.96	
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	16	8.86	33.41	34.25	89.16	16.39	2.66	72.77	5.42
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	21	8.71	33.44	34.15	79.24	12.08	1.78	67.16	3.24
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	26	8.24	33.46	33.93	68.44	8.09	1.20	60.34	2.14
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	31	8.00	33.54	34.84	69.58	6.32	1.07	63.26	2.54
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	41	7.86	33.67	36.70	60.72	9.79	1.22	50.93	1.59
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	51	7.80	33.81	38.72	58.30	10.46	1.26	47.85	3.91
AT721	9/28/02	3:16	2	NH-05	44.65	-124.18	53	7.82	33.80	37.92	64.42				
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	1	10.21	32.50	20.31	78.98	19.94	3.17	59.04	6.78
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	6	10.17	32.51	20.33	71.07	18.02	2.96	53.05	7.05
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	11	10.20	32.50	20.09	73.52	19.38	3.08	54.14	7.08
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	21	8.52	32.68	27.69	58.89	25.45	4.14	33.43	7.04
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	31	7.35	32.92	30.88		6.51	0.85		8.13
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	41	8.00	33.44	32.63	55.40	3.90	0.32	51.50	4.79
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	51	8.03	33.59	36.49	57.28	2.90	0.18	54.39	4.42
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	61	7.94	33.69	39.12	59.16	4.35	0.61	54.82	7.03
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	72	7.75	33.72	40.84	60.60	6.79	0.69	53.81	2.34
AT721	9/28/02	9:33	4	NH-15	44.65	-124.41	86	7.72	33.75	38.96	56.95	5.91	0.65	51.04	1.38
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	2	11.36	32.39	16.03	78.46	14.29	3.10	64.17	5.61
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	10	11.35	32.39	15.98	76.94	14.52	2.83	62.42	5.62
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	14	10.87	32.39	16.11	77.54	16.39	2.58	61.15	4.56
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	19	8.38	32.41	17.79	72.43	10.31	1.38	62.12	4.12
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	30	7.71	32.53	21.21	72.89	8.39	1.08	64.50	3.43
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	42	7.63	32.62			7.04	0.48		
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	51	7.91	32.81	24.66		9.51	0.61		4.78
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	71	7.94	33.32	29.14		6.07	0.37		5.74
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	102	8.37	33.76	34.55		4.72	0.29		2.25
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	152	7.92	33.91	37.29					2.56
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	202	7.38	33.98	38.28					2.47
AT721	9/28/02	15:19	6	NH-25	44.65	-124.65	252	6.99	34.01	37.82					2.11
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	2	12.78	32.25	13.85	84.44	15.60	2.58	68.84	7.22
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	11	12.58	32.26			14.32	2.55		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	16	12.13	32.28			19.58	3.01		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	21	11.41	32.31			15.34	2.46		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	30	8.88	32.49			10.81	1.26		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	41	7.85	32.51			4.65	0.70		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	72	8.77	33.44			4.09	0.59		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	100	8.20	33.71			3.31	0.40		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	152	7.78	33.96			3.25	0.58		
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	287	6.70	34.03						
AT721	9/28/02	19:28	7	NH-35	44.65	-124.88	435	5.96	34.07						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	1	12.60	32.32	14.37	87.57	25.80	3.83	61.77	5.94
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	10	12.54	32.32			20.04	2.69		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	20	12.32	32.35			14.43	1.87		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	30	8.69	32.44			9.73	1.17		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	41	8.07	32.62			6.04	0.76		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	51	7.63	32.67			4.56	0.58		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	72	7.76	33.12			5.92	0.80		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	101	8.21	33.45			3.63	0.42		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	151	7.95	33.88			3.49	0.51		
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	503	5.41	34.12						
AT721	9/29/02	0:06	8	NH-45	44.65	-125.12	684	4.84	34.25						
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	2	14.14	32.09	10.50	93.80	13.47	2.44	80.33	7.50
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	6	14.10	32.09			12.76	2.37		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	11	13.51	32.13			14.92	2.46		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	21	9.29	32.38			4.99	0.83		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	31	8.51	32.43			5.17	0.74		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	41	8.01	32.59			4.08	0.62		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	52	7.84	32.77			3.95	0.46		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	72	7.96	33.33			4.94	0.73		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	103	8.00	33.61			2.82	0.28		
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	151	7.74	33.89						
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	623	4.94	34.22						
AT721	9/29/02	8:17	10	NH-65	44.65	-125.6	1005	3.80	34.39						
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	3	14.71	32.03	7.85		7.60	1.57		5.96
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	11	14.69	32.03	8.42		9.75	1.85		5.48
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	21	12.40	32.43	11.89		7.40	1.27		4.87
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	31	10.46	32.49	14.49		6.97	1.12		4.81
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	40	8.86	32.58	18.63		3.93	0.69		4.07
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	50	8.79	32.85	19.57		3.80	0.59		3.18
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	71	8.20	33.20	27.63		5.11	0.52		2.94
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	101	8.07	33.73	32.33		4.01	0.45		0.11
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	149	7.76	33.92			3.34	0.42		
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	320	6.77	34.04	37.59					1.11
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	880	4.03	34.33						
AT721	9/29/02	12:36	11	NH-85	44.65	-126.05	1001	3.76	34.40						
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	1	9.78	33.39	27.47	91.97	24.86	4.50	67.11	7.48
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	4	9.80	33.39	29.75	109.98	24.78	4.36	85.20	10.10
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	6	9.78	33.39	26.96	101.72	21.43	4.04	80.29	7.25
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	10	9.79	33.39	26.54	82.81	20.08	3.91	62.73	6.92
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	16	9.12	33.42	28.91	70.88	13.61	2.45	57.27	5.97
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	21	8.94	33.44	34.37	69.70	15.11	2.29	54.59	10.43
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	26	8.86	33.59	38.51	62.39	10.55	1.98	51.84	12.01
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	31	8.84	33.62	39.83	63.75	8.74	1.71	55.02	10.34
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	41	8.73	33.70	43.52	67.55	14.44	2.54	53.10	6.99
AT721	10/2/02	15:50	32	HH-01	44.00	-124.2	48	8.55	33.75	42.76	70.72	15.16	2.75	55.56	6.40
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	1	10.24	33.00	21.11	90.85	23.56	4.29	67.30	8.41
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	5	10.20	33.03			17.96	3.33		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	10	10.04	33.17			18.42	3.01		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	20	9.31	33.34			11.17	1.81		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	30	8.36	33.51			18.60	1.87		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	40	8.52	33.62			18.33	2.28		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	50	8.70	33.75			10.39	1.31		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	60	8.59	33.79			5.60	0.74		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	71	8.29	33.81			9.09	0.89		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	102	8.11	33.92			6.87	1.14		
AT721	10/2/02	17:35	33	HH-02	44.00	-124.4	116	8.09	33.92			12.69	1.74		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	2	10.02	32.92	28.61	69.33	20.95	3.44	48.38	14.76
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	10	9.07	32.95			17.64	3.47		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	20	9.00	32.97			12.14	2.23		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	30	8.98	33.12			11.58	2.16		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	40	8.02	33.13			9.60	1.23		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	50	8.45	33.55			6.17	0.98		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	60	8.31	33.67			7.31	0.93		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	70	8.28	33.84			7.88	0.93		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	90	8.11	33.88			11.64	1.41		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	100	8.06	33.91			20.55	3.11		
AT721	10/2/02	20:54	34	HH-03	44.00	-124.6	146	7.76	33.96			11.26	1.44		
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	1	12.52	32.50	13.91	89.16	19.51	3.26	69.64	4.07
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	5	12.50	32.51	13.61	85.44	12.91	2.26	72.53	4.56
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	10	12.43	32.60	15.62	78.69	13.53	2.37	65.16	5.76
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	21	11.94	32.81	17.87	74.58	11.41	1.85	63.17	7.19
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	30	10.85	32.83	19.22	64.82	7.32	0.97	57.50	5.20
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	40	9.97	32.95	23.27	62.30	6.02	0.70	56.27	5.90
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	50	9.04	33.21	28.19	66.78	5.05	0.65	61.73	5.03
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	59	7.89	33.32	31.97	69.84	4.50	0.75	65.34	5.05
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	69	8.03	33.49	34.91	79.84	5.76	0.91	74.08	4.35
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	94	8.08	33.83	40.16	63.75	10.28	1.49	53.46	4.40
AT721	10/2/02	23:44	35	HH-04	44.00	-124.8	104	8.08	33.85	39.08	61.16	4.04	0.61	57.13	5.84
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	2	14.13	32.34	10.56		11.36	1.99		6.42
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	10	13.36	32.46	12.58		9.86	1.70		6.90
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	15	12.09	32.54	15.25		9.97	1.56		6.39
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	20	9.98	32.69	18.34		6.65	1.12		7.15
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	30	8.35	32.59	20.32		7.15	0.88		6.79
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	41	8.70	33.11	27.43		6.07	0.75		5.89
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	51	8.34	33.25	30.60		5.47	0.66		4.88
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	71	8.68	33.70	34.33		5.09	0.51		5.05
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	101	8.25	33.82	35.89		2.94	0.35		4.72
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	150	7.96	33.96	37.31		3.44	0.38		7.94
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	501	5.62	34.11	43.34					5.67
AT721	10/3/02	3:36	36	HH-05	44.00	-125.	915	3.90	34.37	47.09					4.56
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	2	14.51	32.28	10.33		8.79	1.55		7.68
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	6	14.51	32.28			9.12	1.52		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	10	14.51	32.28			8.76	1.56		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	20	11.47	32.43			10.20	1.67		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	30	8.31	32.40			8.65	1.22		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	40	8.30	32.54			4.64	0.77		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	49	8.42	32.69			5.09	0.65		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	70	8.88	33.18			4.09	0.47		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	101	8.62	33.65			3.23	0.41		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	151	8.31	33.93				0.34		
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	315	7.03	34.03						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
AT721	10/3/02	6:18	37	HH-07	44.00	-125.2	1004	3.73	34.39						
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	1	14.36	32.31	9.97		8.52	1.43		6.74
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	5	14.19	32.34			8.78	1.56		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	10	13.18	32.51			15.36	1.97		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	20	12.51	32.70			10.60	1.50		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	30	10.97	32.81			8.92	1.16		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	40	9.42	32.91			5.51	0.75		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	50	9.19	33.06			5.17	0.65		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	71	7.99	33.16			5.49	0.50		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	100	8.25	33.57			2.31	0.35		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	149	8.22	33.92			2.39	0.32		
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	262	7.53	34.05						
AT721	10/3/02	8:27	38	HH-09	44.00	-125.4	500	5.87	34.10						
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	2	9.73	33.40	26.63	101.95	23.78	4.61	78.17	3.50
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	5	9.53	33.43	26.69	89.68	27.96	4.94	61.73	1.76
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	9	9.73	33.40	27.10	99.94	23.44	4.50	76.50	3.01
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	10	9.49	33.42	27.21	75.81	17.94	3.40	57.87	6.14
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	15	9.44	33.47	28.85	79.15	15.35	2.68	63.80	3.67
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	20	8.84	33.64		67.43	10.73	1.97	56.70	
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	25	8.76	33.67		67.17	11.95	2.06	55.22	
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	30	8.70	33.69	32.94	52.61	16.53	3.00	36.08	2.47
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	40	8.63	33.77	34.06	57.18	9.37	1.54	47.81	0.55
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	50	8.43	33.83	35.81	62.28	11.60	1.64	50.67	0.48
AT721	10/1/02	20:46	25	FM-03	43.22	-124.5	57	8.41	33.84	35.62	52.62	12.68	1.67	39.95	0.41
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	2	10.71	33.05	24.82	118.61	29.06	5.47	89.55	11.10
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	4	10.62	33.06			32.28	6.10		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	9	9.34	33.15			24.33	4.23		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	20	9.22	33.52			16.81	3.38		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	30	8.97	33.64			8.94	1.62		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	40	8.65	33.74			7.39	1.43		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	50	8.43	33.82			7.73	1.34		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	60	8.41	33.83			6.90	1.18		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	71	8.40	33.84			8.50	1.44		
AT721	10/1/02	22:10	26	FM-04	43.22	-124.58	78	8.34	33.87			12.07	1.95		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	2	11.33	32.89	21.39	103.51	22.14	3.86	81.37	9.42
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	11	10.65	32.96			17.40	3.29		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	14	9.91	32.99						
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	20	9.51	33.21			13.66	2.73		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	31	9.41	33.29			22.84	3.51		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	41	9.40	33.44			9.28	1.63		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	51	9.33	33.47			9.55	1.55		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	59	9.14	33.56			9.15	1.22		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	69	8.99	33.61			10.00	1.49		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	100	8.40	33.84			8.61	1.21		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	140	8.24	33.93			14.77	1.67		
AT721	10/1/02	23:35	27	FM-05	43.22	-124.67	151	8.22	33.94			8.66	1.25		
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	2	11.21	32.70	18.51	79.85	12.96	2.42	66.89	7.77
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	11	11.21	32.70	18.64	81.52	11.97	2.33	69.55	7.22
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	18	10.67	32.82	20.78	81.87	9.15	2.01	72.72	7.46
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	21	9.88	32.96	24.06	67.08	8.16	1.62	58.92	9.07

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	31	9.48	33.05	26.54	60.41	11.15	1.59	49.27	7.90
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	41	9.02	33.11	27.00	60.62	5.43	0.79	55.19	6.71
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	50	8.82	33.21	28.99	62.11	4.44	0.71	57.67	7.48
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	70	8.41	33.40	32.09	58.72	6.09	0.88	52.63	7.33
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	101	8.25	33.60	35.25	53.60	3.43	0.62	50.18	8.90
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	150	8.12	33.97	39.49	54.70	2.57	0.53	52.13	6.41
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	235	7.46	34.03	42.21	64.72				10.13
AT721	10/2/02	2:43	29	FM-07	43.22	-124.83	302	6.84	34.06	42.54	55.24				6.85
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	2	11.13	32.78	18.33	68.91	8.38	1.92	60.54	6.44
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	6	11.10	32.79			8.73	1.88		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	11	11.10	32.78			7.16	1.59		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	21	10.11	32.94			11.16	1.75		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	31	9.93	32.99			5.85	1.13		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	40	9.74	33.05			8.63	1.22		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	51	9.57	33.13			7.64	1.00		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	70	8.92	33.34			4.62	0.62		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	101	8.94	33.73			4.24	0.85		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	151	8.41	33.89			3.04	0.59		
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	319	6.85	34.05						
AT721	10/2/02	5:16	30	FM-08	43.22	-125.	1001	3.80	34.40						
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	2	11.05	32.81	20.00	64.61	9.49	2.18	55.12	8.75
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	10	10.92	32.81	20.14	64.68	9.16	1.92	55.52	8.12
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	20	10.71	32.81	19.89	65.01	8.32	1.77	56.69	7.10
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	30	10.15	32.93	21.62	61.41	8.47	1.42	52.95	7.64
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	40	9.75	32.90	22.68	63.49	8.08	1.38	55.40	6.54
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	51	9.45	33.09	25.65	64.47	7.65	1.41	56.82	7.03
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	72	8.94	33.38	31.88	58.05	4.45	0.79	53.60	11.50
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	101	8.89	33.56	33.36	57.74	4.88	0.78	52.86	9.64
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	151	8.04	33.87	36.66	51.25	0.25		2.59	
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	284	7.15	34.10		48.91				
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	330	6.40	34.05	44.61	52.75				10.78
AT721	10/2/02	8:05	31	FM-09	43.22	-125.17	1000	3.83	34.40	51.60	43.56				5.52
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	2	10.48	33.38	25.39		47.16	7.14		6.81
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	5	10.50	33.37	26.65		50.17	7.98		7.11
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	10	10.47	33.38	27.46		39.70	6.49		8.81
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	15	10.16	33.40	30.49		24.63	4.31		7.34
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	21	9.56	33.48	32.74		12.95	2.34		6.35
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	26	8.84	33.63	35.71		7.53	1.19		5.69
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	32	8.78	33.63	37.58		12.76	1.55		5.91
AT721	9/30/02	22:45	19	CR-01	41.90	-124.3	35	8.85	33.62	36.78		9.23	1.45		7.28
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	1	10.73	32.93	20.55	74.18	20.02	3.56	54.16	6.50
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	5	10.52	32.96			17.65	2.99		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	10	10.11	33.04			17.41	3.08		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	19	9.79	33.08			15.27	2.99		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	30	9.67	33.09			12.71	2.57		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	40	9.18	33.40			5.31	0.93		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	50	9.70	33.84			11.27	1.44		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	60	9.28	33.91			4.09	0.72		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	70	9.22	33.92			4.21	0.73		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	100	9.04	33.95			9.22	1.17		
AT721	10/1/02	2:40	21	CR-03	41.90	-124.5	115	8.91	33.95			5.92	0.74		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	2	12.91	32.60	13.34	79.53	11.80	1.82	67.73	7.40
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	6	12.91	32.60			12.45	1.71		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	11	12.87	32.60			8.20	1.37		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	21	12.23	32.61			17.37	2.86		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	31	9.36	32.82			3.99	0.60		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	42	8.69	33.05			3.31	0.44		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	51	8.39	33.25			5.40	0.59		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	73	9.24	33.77			6.13	0.55		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	101	8.81	33.92			3.04	0.41		
AT721	10/1/02	5:22	22	CR-04	41.90	-124.6	147	8.21	33.95				0.36		
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	2	12.94	32.59		80.88	14.03	2.27	66.85	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	10	12.85	32.60		75.30	9.84	1.71	65.47	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	20	12.82	32.60		78.77	8.94	1.56	69.83	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	25	12.74	32.59		78.72	9.31	1.50	69.41	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	30	9.76	32.77		61.16	7.08	0.84	54.08	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	40	9.13	32.95		64.17	2.48	0.45	61.69	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	50	8.81	33.03		62.63	3.61	0.41	59.02	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	70	8.32	33.34		56.08	2.56		53.52	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	102	8.18	33.70		53.92	4.04	0.48	49.88	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	150	8.18	33.98		51.58	4.24	0.48	47.34	
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	500	5.49	34.15		47.00				
AT721	10/1/02	8:55	23	CR-05	41.90	-124.7	646	4.89	34.23		49.20				
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	2	13.16	32.68	13.60	85.13	14.41	1.95	70.71	7.21
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	7	13.13	32.68			12.71	1.93		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	12	11.06	32.73			15.73	2.22		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	22	10.49	33.15			42.53	5.72		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	32	10.38	33.26			15.13	2.57		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	42	10.20	33.28			12.36	2.13		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	52	8.86	33.16			7.32	0.93		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	72	9.62	33.84			4.92	0.65		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	102	8.29	33.82				0.36		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	153	7.61	33.95			3.40	0.34		
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	498	5.06	34.14						
AT721	9/30/02	16:36	17	CR-07	41.90	-125.	802	4.11	34.36						
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	11	10.45	32.60		71.79	10.39	1.56	61.40	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	22	10.23	32.62		73.76	7.71	1.21	66.05	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	31	9.91	32.74		70.10	6.69	1.06	63.41	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	42	9.00	32.80		67.33	4.73	0.61	62.60	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	46	8.90	32.94		62.86	3.83	0.40	59.02	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	72	9.19	33.48		58.79	3.53	0.50	55.26	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	103	8.16	33.73		58.16	3.62	0.31	54.54	
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	150	7.58	33.95		51.81				
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	679	4.57	34.27		43.79				
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	840	4.10	34.34		46.98				
AT721	9/30/02	11:04	15	CR-09	41.90	-125.4	1002	3.72	34.42		42.56				
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	2	12.63	32.68	13.85	77.19	8.04	1.42	69.15	6.08
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	10	12.45	32.68			8.35	1.63		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	20	12.40	32.68			11.24	1.69		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	30	12.38	32.68			11.21	1.58		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	34	12.33	32.68			8.87	1.58		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	40	12.31	32.68			8.97	1.54		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	50	10.40	32.73			5.07	0.89		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	72	8.63	33.00			3.05	0.49		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	101	8.35	33.68			2.69	0.49		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	149	7.95	33.98			4.11	0.54		
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	784	4.14	34.33						
AT721	9/30/02	4:57	13	CR-11	41.90	-126.	1005	3.60	34.42						
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	1	12.48	32.29	10.01		15.15	2.23		6.70
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	5	12.47	32.29	9.85			2.17		6.55
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	10	12.46	32.29	9.60		14.84	2.10		6.31
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	15	12.25	32.31	10.68		11.46	1.55		6.47
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	20	11.97	32.31	12.92	75.01	10.30	1.34	64.72	6.53
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	26	10.70	32.42	14.88	77.98	8.09	0.96	69.89	6.69
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	30	10.09	32.48	17.37		5.93	0.63		5.70
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	40	8.82	32.53	19.49	58.78	6.84	0.62	51.94	6.74
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	50	8.80	32.79	23.66	60.30	8.07	0.86	52.23	6.34
W0212A	12/3/02	20:23	3	NH-05	44.65	-124.18	53	8.92	32.83	24.12	57.90	11.94	1.07	45.96	6.45
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	1	12.80	32.31	9.62	74.24	9.20	1.38	65.05	6.89
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	5	12.80	32.31	9.64	77.80		1.48		6.81
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	10	12.80	32.31	9.39	74.06	12.26	1.47	61.80	6.57
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	20	12.76	32.31	9.51	78.54	11.05	1.53	67.50	6.46
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	30	12.63	32.30	9.95	72.27	8.77	1.17	63.50	6.72
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	40	11.45	32.33	14.09	70.86	14.56	1.31	56.30	7.01
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	50	10.18	32.49	17.62	52.35	5.57	0.59	46.78	6.97
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	60	9.34	32.58	19.92	46.70	4.57	0.51	42.13	6.33
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	70	8.82	32.78	23.83	44.43	4.24	0.48	40.20	7.11
W0212A	12/3/02	22:28	5	NH-15	44.65	-124.41	84	8.82	33.01	26.14	53.19	5.40	0.54	47.79	6.18
W0212A	12/3/02	23:33	6	NH-20	44.65	-124.53	100	8.48	33.38						
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	2	12.74	32.30	8.56	80.55	6.12	1.06	74.44	5.73
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	10	12.70	32.30	8.37	78.36	6.83	1.10	71.53	5.12
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	20	12.66	32.30	8.52	74.90	6.76	1.07	68.14	5.39
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	30	12.63	32.30	9.12	75.90	8.37	0.95	67.53	5.80
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	40	10.32	32.41	14.65		3.14	0.40		5.56
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	49	8.62	32.46	17.30	68.00	4.50	0.43	63.50	6.83
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	71	8.16	32.70	21.06	67.90	3.16	0.32	64.74	4.98
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	101	8.63	33.26	27.44	66.10	3.00	0.39	63.10	4.78
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	130	8.60	33.53	32.33	67.70	3.91	0.35	63.79	5.19
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	151	8.35	33.68	35.03	53.20	4.51	0.40	48.69	5.98
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	199	7.90	33.93	37.24	50.50				4.77
W0212A	12/4/02	0:43	7	NH-25	44.65	-124.65	284	7.17	34.00	40.58	49.90				6.40
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	2	12.84	32.34	9.72	63.00	8.08	1.01	54.92	6.98
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	10	12.80	32.33			6.45	1.00		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	20	12.81	32.33			6.01	0.95		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	19	12.82	32.33			8.05	0.98		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	29	12.80	32.33			5.91	0.94		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	40	10.93	32.35			4.21	0.55		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	48	9.08	32.38			7.15	0.67		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	70	7.69	32.42			4.83	0.38		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	101	8.30	32.91			4.01	0.31		
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	152	8.11	33.70			4.49	0.37		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	361	6.34	34.04						
W0212A	12/4/02	13:12	8	NH-35	44.65	-124.88	422	6.21	34.03						
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	2	12.69	32.40	10.05	60.10	5.88	0.92	54.22	6.58
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	10	12.70	32.40			5.29	0.84		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	12	12.70	32.40			6.38	1.02		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	20	12.69	32.40			6.37	0.88		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	28	12.68	32.40			5.05	0.76		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	40	11.96	32.41			4.55	0.63		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	50	11.32	32.47			4.68	0.58		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	71	9.81	32.82			3.67	0.45		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	101	7.99	32.99			2.50	0.24		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	148	7.25	33.49			3.00	0.23		
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	499	4.98	34.06						
W0212A	12/4/02	14:57	9	NH-45	44.65	-125.12	683	4.55	34.23						
W0212A	12/4/02	16:49	10	NH-55	44.65	-125.37	79	8.15	33.04						
W0212A	12/4/02	16:49	10	NH-55	44.65	-125.37	145	8.30	33.78						
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	2	13.06	32.28	10.30	78.40	9.96	1.37	68.44	7.81
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	11	13.02	32.28			10.19	1.39		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	21	13.02	32.28			10.37	1.33		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	29	13.02	32.28			11.57	1.64		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	42	12.89	32.27			11.17	1.55		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	50	10.01	32.36			3.99	0.47		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	69	7.42	32.44			2.65	0.26		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	101	6.94	32.87			3.03	0.24		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	152	7.62	33.77			2.91	0.22		
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	875	4.00	34.35						
W0212A	12/4/02	18:55	11	NH-65	44.65	-125.6	1005	3.68	34.39						
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	1	13.67	32.37	8.81	72.50	7.33	0.84	65.17	6.80
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	10	13.66	32.37	8.27	75.20	8.07	0.85	67.13	6.25
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	20	13.62	32.37	8.94	73.40	6.81	0.91	66.59	6.92
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	30	13.56	32.35	9.21	74.90	6.53	0.91	68.38	6.87
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	40	9.78	32.39	16.57		4.98	0.67		6.38
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	50	8.05	32.44	18.92		2.40	0.29		5.51
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	69	7.40	32.61	21.72		3.08	0.32		4.57
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	101	8.06	33.26	30.94		3.47	0.35		6.12
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	150	7.62	33.79	35.70			0.22		4.03
W0212A	12/4/02	22:00	12	NH-85	44.65	-126.05	1005	3.44	34.40	48.82					1.86
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	2	11.06	31.86	15.06		13.56	2.43		7.48
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	5	11.05	31.86	15.36		14.17	2.45		7.87
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	10	11.15	31.99	15.75		10.17	1.84		7.95
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	15	11.21	32.15	16.00		7.58	1.44		7.94
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	21	11.01	32.31	15.38	75.30	5.89	0.79	69.41	7.64
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	25	11.04	32.38	15.20	63.50	5.00	0.68	58.50	7.16
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	31	10.98	32.39	15.32	62.50	5.49	0.63	57.01	6.85
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	41	10.45	32.71	20.41	61.80	7.00	0.85	54.80	6.83
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	50	10.45	32.72	20.39	64.40	8.97	1.08	55.43	7.01
W0302A	2/14/03	19:56	2	NH-05	44.65	-124.18	53	10.45	32.72	20.29	70.40	12.19	1.19	58.21	7.48
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	1	10.69	31.56	14.61	86.70	30.23	4.64	56.47	7.16
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	5	10.69	31.57	14.88	77.00	31.71	4.71	45.29	7.33

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	10	10.90	31.92	14.67	73.80	16.89	2.60	56.91	7.11
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	20	11.01	32.19	14.96	59.24	6.79	0.84	52.45	7.02
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	30	10.96	32.28	15.16	60.65	6.02	0.88	54.63	6.74
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	40	10.85	32.45	16.77	60.35	4.81	0.64	55.55	7.31
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	50	10.21	32.74	20.80	57.79	4.79	0.71	53.00	6.83
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	60	9.38	33.04	26.66	58.30	5.20	0.64	53.10	6.88
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	70	8.78	33.27	30.85	57.37	6.41	0.76	50.96	6.55
W0302A	2/14/03	22:38	4	NH-15	44.65	-124.41	85	8.50	33.41	31.89	56.06	7.72	0.91	48.35	5.62
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	1	10.48	31.69	11.93	77.28	16.15	2.31	61.13	5.40
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	5	10.48	31.72	11.99	71.97	14.15	2.24	57.82	5.87
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	10	10.47	31.75	11.78	73.79	15.35	2.22	58.44	5.55
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	21	10.57	31.94	12.04	69.76	11.34	1.74	58.42	5.83
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	31	10.82	32.32	12.60	64.96	6.43	0.75	58.53	5.33
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	40	11.04	32.43	13.62	58.42	4.59	0.44	53.83	5.96
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	50	11.02	32.47	13.06	56.79	4.07	0.50	52.73	4.73
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	71	10.87	32.61	14.84	58.51	4.52	0.51	53.99	4.22
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	100	9.11	32.97	22.29	58.71	3.11	0.32	55.60	3.24
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	150	7.86	33.80	34.35	52.44	5.37	0.58	47.07	2.04
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	199	7.42	33.96		54.54				
W0302A	2/15/03	0:32	6	NH-25	44.65	-124.65	287	6.73	34.01		53.90				
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	2	10.73	31.98	13.94	76.81	11.52	2.14	65.28	7.90
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	5	10.74	31.98			11.61	2.18		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	10	10.72	32.00			9.75	2.01		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	21	10.96	32.27			4.48	0.84		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	30	11.13	32.37			3.24	0.42		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	40	11.20	32.44			2.96	0.35		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	50	11.17	32.46			2.55	0.39		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	70	11.05	32.57			3.36	0.48		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	101	9.88	32.84			2.70	0.39		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	151	8.17	33.56				0.32		
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	299	6.86	34.01						
W0302A	2/15/03	1:58	7	NH-35	44.65	-124.88	428	5.97	34.01						
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	2	11.04	32.09	13.98	66.20	6.39	1.28	59.81	8.11
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	10	11.04	32.09			6.49	1.13		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	20	11.01	32.17			5.87	1.09		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	31	10.92	32.29			5.20	1.05		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	40	10.79	32.33			4.79	0.93		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	50	10.75	32.34			4.90	0.77		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	61	10.66	32.39			3.70	0.50		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	71	10.15	32.55			3.22	0.30		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	100	8.18	32.82				0.28		
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	152	7.64	33.51						
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	500	5.45	34.09						
W0302A	2/15/03	23:47	11	NH-45	44.65	-125.12	606	4.85	34.18						
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	3	10.67	32.37	14.25	64.40	10.19	1.45	54.21	7.83
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	9	10.67	32.37			7.53	1.07		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	11	10.67	32.37			7.83	1.16		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	21	10.66	32.37			6.42	1.16		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	29	10.66	32.37			7.66	1.17		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	41	10.68	32.37			7.90	1.11		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	49	10.68	32.37			7.77	1.06		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	68	10.49	32.89			4.13	0.47		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	101	8.10	33.16			3.22	0.35		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	152	8.23	33.77			4.43	0.32		
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	823	4.14	34.31						
W0302A	2/15/03	18:41	9	NH-65	44.65	-125.6	1003	3.72	34.40						
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	3	11.08	32.45	11.85	65.50	4.85	1.01	60.65	5.58
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	10	11.09	32.45	12.22	62.90	4.98	1.11	57.92	5.92
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	21	11.09	32.45	12.47	65.20	7.21	1.38	57.99	5.82
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	31	11.10	32.45	11.93	61.10	5.56	1.13	55.54	5.55
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	40	11.11	32.45	12.93	64.10	5.01	1.13	59.09	6.56
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	51	11.12	32.50	12.37	67.20	4.54	1.03	62.66	5.96
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	73	10.71	33.00	18.88	56.30	3.82	0.37	52.48	5.29
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	100	7.82	33.10	26.11	52.10		0.24		4.74
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	151	7.54	33.65	31.26	49.20	2.61	0.28	46.59	2.16
W0302A	2/15/03	15:23	8	NH-85	44.65	-126.05	1003	3.69	34.40		40.20				
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	1	11.25	31.23	12.02	92.70	28.47	3.42	64.23	8.46
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	5	11.24	31.23	11.48	84.70	40.50	4.80	44.20	6.52
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	9	11.23	31.25	11.40	96.06	32.38	3.76	63.68	7.46
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	15	11.03	31.46	12.62	85.80	28.46	3.90	57.34	7.01
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	21	10.88	31.68	13.37	72.20	21.93	3.29	50.27	7.37
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	26	10.87	31.96	12.56	68.60	17.09	2.76	51.51	6.45
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	32	10.69	32.04	12.62	62.60	7.79	1.12	54.81	6.10
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	41	10.58	32.18	13.39	57.67	7.60	0.99	50.07	5.89
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	51	10.07	32.57	17.46	61.03	7.95	0.90	53.08	6.18
W0304A	4/1/03	23:30	3	NH-05	44.65	-124.18	54	9.90	32.70	19.75	61.74	10.18	1.02	51.55	6.25
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	2	10.84	31.85	11.60	80.72	27.00	3.67	53.72	6.82
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	6	10.84	31.85	11.14	79.44	22.89	3.33	56.55	6.62
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	10	10.87	31.92	11.76	74.30	22.61	3.42	51.68	6.67
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	20	10.86	31.95	11.88	79.45	18.98	2.98	60.47	6.96
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	30	10.68	32.22	11.04	67.79	9.38	1.48	58.42	6.16
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	41	10.60	32.25	11.76	66.75	7.37	1.12	59.38	6.74
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	50	10.50	32.27	11.84	63.88	5.97	0.71	57.91	6.31
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	59	10.42	32.34	13.21	60.02	5.32	0.62	54.71	6.11
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	70	10.25	32.49	17.02	60.95	6.77	0.70	54.18	6.23
W0304A	4/2/03	4:39	6	NH-15	44.65	-124.41	85	9.37	32.90	23.94	54.21	6.99	0.66	47.22	6.09
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	3	10.64	32.26	10.70	66.94	9.78	1.60	57.16	5.55
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	10	10.64	32.26	10.89		8.90	1.54		5.52
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	20	10.64	32.26	10.85		8.46	1.50		5.95
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	31	10.64	32.26	10.45		7.57	1.43		5.03
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	40	10.64	32.26	10.66		8.14	1.48		5.42
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	50	10.61	32.26	10.60		7.71	1.22		5.28
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	72	10.44	32.28	11.51	64.60	4.89	0.48	59.71	5.11
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	101	8.75	33.13	26.29	58.60	6.22	0.50	52.38	6.29
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	151	8.13	33.69	34.34	53.80	5.55	0.46	48.25	2.73
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	201	7.29	33.97	37.90	54.10				2.55
W0304A	4/2/03	18:25	9	NH-25	44.65	-124.65	287	6.18	34.04	41.06	57.90				1.87
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	4	10.66	32.26	11.14	62.06	8.36	1.38	53.70	6.20
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	11	10.66	32.26			7.64	1.43		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	22	10.66	32.26			7.98	1.41		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	26	10.66	32.26			8.23	1.44		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	32	10.67	32.26			8.71	1.50		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	38	10.67	32.26			8.24	1.48		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	50	10.65	32.26			8.24	1.41		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	68	10.31	32.38			4.52	0.53		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	101	8.44	33.09			4.03	0.47		
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	149	8.18	33.65						
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	317	6.19	34.03						
W0304A	4/2/03	16:44	8	NH-35	44.65	-124.88	429	4.92	34.13						
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	2	10.47	32.31	11.16	62.53	8.61	0.81	53.91	6.35
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	10	10.47	32.31			8.83	0.87		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	21	10.48	32.31			7.70	0.87		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	31	10.49	32.32			6.21	0.85		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	40	10.49	32.33			6.72	0.79		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	49	10.48	32.33			5.84	0.91		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	53	10.46	32.34			6.75	1.06		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	70	10.18	32.37			6.40	0.83		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	102	8.80	32.98			6.19	0.68		
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	150	8.12	33.65						
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	329	6.60	34.02						
W0304A	4/2/03	14:48	7	NH-45	44.65	-125.12	500	5.05	34.13						
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	2	10.61	32.31	11.06	62.31	9.61	1.19	52.70	5.90
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	10	10.61	32.31			11.81	1.40		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	21	10.61	32.31			10.80	1.26		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	30	10.61	32.31			6.97	1.10		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	40	10.57	32.32			6.38	0.94		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	49	10.43	32.37			7.54	0.83		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	70	10.28	32.42			4.82	0.64		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	99	8.58	33.09			4.00	0.43		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	151	8.14	33.77			5.51	0.46		
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	401	5.69	34.01						
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	948	3.71	34.38						
W0304A	4/3/03	0:41	11	NH-65	44.65	-125.6	1005	3.53	34.40						
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	3	10.73	32.30	10.24	58.51	6.39	0.88	52.12	6.04
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	11	10.73	32.30	10.41	57.68	7.01	1.04	50.67	6.15
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	19	10.73	32.30	9.68		5.89	0.89		5.51
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	30	10.73	32.30	9.76	62.60	6.31	0.88	56.29	5.58
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	30	10.73	32.30	9.66	63.20	6.10	0.88	57.10	5.47
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	38	10.74	32.30	9.31	61.41	5.17	0.88	56.24	5.27
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	52	10.73	32.31	9.87	62.28	6.85	1.06	55.43	5.72
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	70	10.40	32.38	13.21	61.29	4.57	0.59	56.72	5.97
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	100	8.51	33.07	24.94	53.43	2.99	0.31	50.45	4.53
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	149	8.26	33.67	31.89	47.90	3.02	0.35	44.88	3.71
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	627	4.62	34.19	45.23	42.80				
W0304A	4/3/03	4:05	12	NH-85	44.65	-126.05	1005	3.66	34.42	46.54	42.70				
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	2	10.71	29.89	9.62	87.30	32.34	4.09	54.96	5.13
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	5	10.70	30.71	10.75	81.90	27.41	4.05	54.49	6.40
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	9	10.64	32.03	10.04	72.30	25.81	3.87	46.49	5.80
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	16	10.72	32.16	10.31	68.60	18.80	3.22	49.80	6.16
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	21	10.72	32.19	10.10	62.70	17.86	3.12	44.84	5.89
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	26	10.70	32.21	9.68	70.10	17.04	3.02	53.06	5.20
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	30	10.69	32.24	9.52	70.87	18.31	3.12	52.55	4.91

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	39	10.68	32.30	11.85	65.76	13.34	2.19	52.42	5.85
W0304A	4/6/03	18:51	44	HH-01	44.00	-124.2	45	10.58	32.38	12.29	67.78	13.94	2.07	53.83	3.91
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	2	10.71	32.15	9.64	92.89	25.53	3.80	67.36	5.67
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	6	10.71	32.15			27.07	4.11		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	10	10.71	32.15			23.20	3.61		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	20	10.71	32.16			23.61	3.64		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	29	10.72	32.31			12.68	2.10		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	39	10.69	32.33			4.00	0.60		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	49	10.55	32.38			3.21	0.53		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	60	9.64	32.86			3.18	0.47		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	69	9.22	33.10			2.95	0.49		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	100	7.88	33.72			3.37	0.36		
W0304A	4/6/03	16:04	42	HH-02	44.00	-124.4	113	7.61	33.82			6.18	0.68		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	2	10.67	32.14	9.62		13.89	2.53		5.80
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	10	10.66	32.14			16.45	2.98		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	20	10.66	32.14			14.61	2.64		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	25	10.67	32.15			15.07	2.70		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	30	10.67	32.15			14.62	2.62		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	40	10.68	32.22			6.85	1.23		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	49	10.65	32.34			3.84	0.54		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	60	10.61	32.34			4.82	0.63		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	70	10.48	32.42			2.94	0.44		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	101	8.20	33.62			3.60	0.50		
W0304A	4/6/03	14:40	41	HH-03	44.00	-124.6	144	6.95	33.97			6.82	0.80		
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	2	10.60	32.20	10.04		7.00	1.45		5.33
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	5	10.60	32.20	10.57		7.88	1.52		6.02
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	10	10.61	32.21	9.75		8.37	1.63		4.88
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	20	10.61	32.20	10.08	68.49	7.86	1.66	60.63	5.17
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	25	10.62	32.21	10.06	66.75	7.76	1.62	59.00	5.20
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	31	10.61	32.21	9.90	66.57	7.52	1.67	59.05	4.99
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	41	10.62	32.21	10.12	64.96	7.18	1.61	57.79	5.25
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	51	10.64	32.22	9.96	65.29	6.47	1.34	58.82	5.13
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	60	10.57	32.30	11.77	63.49	4.20	0.82	59.29	4.70
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	70	10.20	32.49	15.26	66.12	3.04	0.50	63.07	4.72
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	94	9.13	33.14	26.06	62.24	3.42	0.55	58.82	4.40
W0304A	4/6/03	13:18	40	HH-04	44.00	-124.8	100	8.84	33.28	26.73	58.85	3.95	0.47	54.90	3.69
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	2	10.65	32.23	10.33	66.56	5.92	1.19	60.64	4.90
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	9	10.66	32.23	9.97	68.25	5.71	1.06	62.54	4.65
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	20	10.66	32.23	10.11		6.00	1.19		4.54
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	31	10.66	32.23	10.39		5.82	1.17		5.01
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	41	10.66	32.23	10.43		5.42	1.10		5.12
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	51	10.65	32.25	10.45		4.37	0.79		4.71
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	71	10.17	32.49	15.84		3.78	0.40		4.68
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	101	8.29	33.46	30.03		2.95	0.31		3.31
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	150	7.68	33.91			4.32	0.41		
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	499	5.03	34.12	43.43					1.44
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	552	4.79	34.17						
W0304A	4/6/03	11:12	39	HH-05	44.00	-125.	771	4.10	34.31						
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	2	10.80	32.17	11.23	82.28	17.65	3.24	64.63	6.59
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	4	10.80	32.17	11.85	84.57	19.11	3.38	65.46	7.18

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	12	10.80	32.17	11.37	79.47	25.56	4.22	53.91	5.76
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	16	10.79	32.17	11.78	75.80	20.70	3.61	55.10	6.64
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	20	10.80	32.18	11.88	73.55	19.64	3.41	53.91	6.81
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	25	10.82	32.19	11.74	78.02	18.83	3.47	59.20	6.51
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	29	10.83	32.21	12.80	73.20	22.03	3.71	51.17	6.95
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	42	10.58	32.44	15.00	62.73	12.16	2.01	50.57	6.32
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	50	9.93	32.87	21.66	58.46	8.23	1.10	50.23	4.65
W0304A	4/3/03	15:56	14	FM-03	43.22	-124.5	58	9.51	33.14	24.69	55.69	9.01	1.02	46.68	4.78
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	2	10.77	32.31	10.71	67.57	13.41	2.42	54.17	4.93
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	7	10.77	32.31			9.79	2.00		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	11	10.77	32.31			10.01	1.93		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	21	10.77	32.31			9.16	1.93		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	28	10.77	32.31			8.14	1.62		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	41	10.76	32.36			6.62	1.06		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	50	10.21	32.68			4.29	0.63		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	60	8.89	33.42			5.35	0.67		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	70	8.62	33.57			6.19	0.70		
W0304A	4/3/03	17:25	15	FM-04	43.22	-124.58	79	8.43	33.67			8.91	1.31		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	3	10.75	32.31	10.62	65.63	7.04	1.40	58.59	5.37
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	10	10.75	32.31			6.86	1.38		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	17	10.74	32.31			7.50	1.51		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	20	10.73	32.32			6.38	1.39		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	31	10.74	32.32			6.32	1.33		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	40	10.72	32.35			5.22	1.00		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	52	10.56	32.36			4.51	0.73		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	61	10.55	32.39			3.75	0.63		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	69	10.25	32.62			4.70	0.59		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	100	8.63	33.64			4.05	0.64		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	129	7.61	33.90				0.52		
W0304A	4/3/03	18:53	16	FM-05	43.22	-124.67	149	7.65	33.92			3.66	0.47		
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	2	10.91	32.34	10.48	66.90	7.62	1.42	59.28	6.02
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	11	10.89	32.34	10.55	73.18	7.91	1.57	65.27	5.70
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	20	10.89	32.34	10.76	64.48	7.29	1.48	57.19	5.96
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	27	10.87	32.34	11.33	68.19	6.96	1.44	61.23	6.47
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	31	10.86	32.34	10.48	62.98	6.43	1.30	56.55	6.06
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	41	10.77	32.38	11.66	64.13	5.45	1.09	58.69	5.90
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	51	10.74	32.39	12.31	61.03	5.98	0.77	55.05	6.48
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	69	10.17	32.70	17.39		5.28	0.65		4.95
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	102	8.53	33.36	28.54		7.31	0.73		4.51
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	150	8.11	33.86	35.55		5.03	0.47		4.27
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	163	8.06	33.89	36.58					5.14
W0304A	4/3/03	22:08	18	FM-07	43.22	-124.83	301	6.25	34.03	41.63					4.66
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	3	10.62	32.34	12.36		9.70	1.30		5.59
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	10	10.63	32.34			7.31	1.26		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	20	10.63	32.34			7.18	1.22		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	30	10.63	32.34			6.53	1.16		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	40	10.61	32.34			7.26	1.35		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	42	10.61	32.34			7.24	1.28		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	50	10.52	32.35			8.44	1.06		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	69	9.77	32.48			7.08	0.73		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	100	7.50	33.16			5.32	0.47		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	149	7.63	33.80			5.41	0.43		
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	451	5.13	34.07						
W0304A	4/4/03	1:10	19	FM-08	43.22	-125.	1008	3.43	34.44						
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	2	10.59	32.35	12.93		7.88	1.15		6.39
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	10	10.59	32.36	12.50		7.28	1.04		6.47
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	20	10.59	32.36	12.67		7.75	1.15		5.91
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	31	10.59	32.36	12.65		6.73	1.01		6.19
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	40	10.57	32.36	12.24		7.57	1.16		5.84
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	46	10.56	32.36	12.31		7.61	1.24		5.49
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	51	10.46	32.37	12.35		6.53	1.17		5.46
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	71	9.57	32.61	18.68		3.09	0.43		5.67
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	102	7.43	33.07	27.05			0.21		8.55
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	149	7.51	33.74	32.16		2.62			7.04
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	510	4.84	34.13	46.42					2.10
W0304A	4/4/03	3:10	20	FM-09	43.22	-125.17	1004	3.45	34.42	47.79					1.33
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	3	10.81	31.07	9.32	78.72	17.72	3.09	61.00	5.86
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	6	10.81	31.06	9.71	85.70	18.85	3.18	66.85	6.17
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	11	10.88	31.53	9.58	87.87	13.45	2.59	74.42	6.57
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	15	10.97	31.87	9.38	79.80	18.70	3.56	61.11	5.40
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	21	10.94	32.00	9.50	74.02	18.41	3.43	55.60	5.68
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	25	10.96	32.08	9.23	76.53	15.80	3.03	60.73	5.63
W0304A	4/6/03	2:11	38	RR-01	42.50	-124.5	32	10.89	32.17	9.40	68.43	11.93	2.52	56.50	5.23
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	2	10.91	32.06	8.81	82.67	14.56	2.60	68.11	5.37
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	5	10.92	32.07			15.17	2.60		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	10	10.92	32.07			15.87	2.64		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	15	10.93	32.09			13.87	2.55		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	20	10.92	32.13			11.83	2.16		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	31	10.86	32.21			10.50	1.90		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	39	10.82	32.26			6.81	1.21		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	49	10.03	32.75			3.85	0.53		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	60	9.27	33.05			2.99	0.41		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	70	8.49	33.37			3.02	0.39		
W0304A	4/6/03	0:40	37	RR-02	42.50	-124.6	83	8.40	33.61			4.20	0.49		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	2	10.88	32.18	8.95	77.02	13.58	2.38	63.44	5.60
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	5	10.88	32.18			16.75	3.28		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	10	10.88	32.18			23.48	5.35		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	19	10.89	32.18			14.17	2.67		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	26	10.90	32.21			12.43	2.22		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	29	10.91	32.24			12.35	2.37		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	41	10.93	32.34			7.42	1.43		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	50	10.76	32.39			4.29	0.71		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	60	9.42	32.72			4.56	0.54		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	70	9.14	33.11			3.69	0.46		
W0304A	4/5/03	22:55	36	RR-03	42.50	-124.7	120	8.40	33.65			4.05	0.43		
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	2	10.79	32.30	10.81	63.09	8.16	1.44	54.93	6.38
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	9	10.79	32.30	10.38	62.79	8.61	1.46	54.18	5.77
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	16	10.79	32.31	10.42	65.25	8.39	1.42	56.86	5.69
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	20	10.79	32.33	10.50	65.71	7.52	1.43	58.18	5.75
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	29	10.79	32.34	10.81	58.97	6.90	1.15	52.07	5.69
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	38	10.77	32.35	10.91	56.65	5.86	0.97	50.79	5.70

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	51	10.64	32.44	12.63	57.68	4.99	0.68	52.68	5.89
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	68	9.31	33.03	23.85	56.74	4.64	0.52	52.10	5.54
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	99	8.43	33.60	30.55	57.42	4.24	0.48	53.18	3.00
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	152	8.06	33.87	33.76	43.40	3.38	0.36	40.02	5.63
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	500	5.08	34.15						
W0304A	4/5/03	20:17	35	RR-04	42.50	-124.8	593	4.55	34.24		42.11				
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	3	10.86	32.35	10.07	56.13	6.69	1.14	49.45	6.04
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	10	10.86	32.35	10.46	54.10	6.74	1.16	47.36	6.60
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	21	10.86	32.35	10.29	53.30	6.73	1.19	46.57	6.16
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	30	10.86	32.35	10.40	53.30	7.03	1.26	46.27	6.31
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	40	10.82	32.35	10.50	56.90	5.85	0.96	51.05	6.25
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	50	10.56	32.38	12.50	54.76	5.08	0.59	49.68	6.32
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	69	9.63	32.93	22.59	50.80	3.87	0.43	46.93	7.37
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	98	8.02	33.29	27.81	47.50	3.34	0.30	44.16	4.59
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	151	7.52	33.87	32.73	48.40	2.69		45.71	5.34
W0304A	4/5/03	16:57	33	RR-06	42.50	-125.	1005	3.56	34.43	46.59	42.19				
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	2	10.62	32.34	11.41	57.22	5.75	0.99	51.47	6.24
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	10	10.63	32.34			6.42	1.01		
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	20	10.63	32.34			6.10	1.01		
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	30	10.63	32.34			6.23	0.93		
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	40	10.62	32.34			6.21	0.93		
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	51	10.50	32.35			5.25	0.71		
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	71	8.96	32.71			3.42	0.32		
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	100	8.76	33.46						
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	150	8.08	33.77			2.56			
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	511	5.16	34.17						
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	880	3.91	34.36						
W0304A	4/5/03	15:10	32	RR-07	42.50	-125.2	1006	3.55	34.41						
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	2	10.99	32.02	10.31	63.23	12.10	2.08	51.13	6.54
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	5	11.06	32.04	11.08	64.67	11.18	2.01	53.49	7.31
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	8	11.07	32.05	10.00	64.08	11.14	2.13	52.94	6.12
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	10	11.04	32.09	10.19	66.44	11.86	1.99	54.58	5.97
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	15	10.98	32.17	11.40	57.30	9.62	1.70	47.68	6.11
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	20	10.86	32.28	12.93	55.31	8.38	1.34	46.93	5.58
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	26	10.46	32.59	16.83	62.76	5.45	0.77	57.31	6.19
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	30	10.09	32.84	20.01	58.25	4.74	0.50	53.51	6.97
W0304A	4/4/03	13:38	21	CR-01	41.90	-124.3	35	10.04	32.87	20.88	62.63	10.76	1.08	51.88	5.34
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	2	11.06	32.22	9.34	65.00	13.12	2.49	51.88	5.64
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	5	11.06	32.22			13.16	2.58		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	10	11.06	32.22			12.60	2.48		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	15	11.08	32.22			13.34	2.63		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	20	11.08	32.22			13.13	2.53		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	30	11.04	32.26			8.88	1.64		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	41	10.88	32.35			4.70	0.82		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	49	10.45	32.58			4.18	0.57		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	60	9.62	33.08			3.96	0.47		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	70	9.46	33.17			4.26	0.43		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	100	8.12	33.85			3.58	0.36		
W0304A	4/4/03	16:15	23	CR-03	41.90	-124.5	116	7.91	33.93			3.61	0.43		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	2	11.03	32.26	10.04	58.82	8.41	1.67	50.41	5.60



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	11	11.00	32.27			8.49	1.60		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	11	11.00	32.28			8.48	1.63		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	20	10.99	32.30			8.01	1.61		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	29	10.99	32.32			7.57	1.39		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	39	10.99	32.35			6.44	1.20		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	50	10.96	32.37			5.30	0.94		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	71	9.60	33.05			3.79	0.52		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	100	8.99	33.45			3.82	0.47		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	150	7.61	33.94			2.83	0.31		
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	252	6.43	34.04						
W0304A	4/4/03	18:00	24	CR-04	41.90	-124.6	450	5.25	34.14						
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	2	11.23	32.35	9.96	62.33	7.31	1.34	55.02	6.34
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	10	11.20	32.35	9.22	58.34	6.61	1.43	51.73	5.49
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	20	11.15	32.35	9.55	64.61	5.89	1.21	58.72	5.95
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	30	11.15	32.35	9.20	59.09	7.15	1.36	51.94	5.39
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	41	11.14	32.35	9.75	60.76	5.71	1.02	55.04	6.12
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	51	11.06	32.36	10.00	59.03	5.86	0.95	53.18	5.85
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	70	9.25	32.86	20.86	50.31	4.59	0.53	45.72	5.82
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	101	8.54	33.33	27.73	47.56	2.71	0.35	44.85	5.71
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	150	8.27	33.75	34.02	45.87	4.00	0.41	41.86	6.16
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	501	5.05	34.16	44.43	40.22				1.15
W0304A	4/4/03	20:38	25	CR-05	41.90	-124.7	551	4.80	34.21	44.41	38.65				0.08
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	2	11.28	32.36	9.14	63.74	12.93	1.64	50.81	5.26
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	10	11.29	32.36			9.68	1.44		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	20	11.28	32.36			9.57	1.46		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	26	11.27	32.36			8.17	1.28		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	31	11.24	32.36			6.58	1.27		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	40	11.18	32.36			6.25	1.07		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	50	10.72	32.37			4.35	0.84		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	70	9.77	32.60			2.94	0.55		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	101	8.52	33.13			3.84	0.39		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	150	8.25	33.83			4.21	0.41		
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	500	5.32	34.15						
W0304A	4/5/03	0:48	27	CR-07	41.90	-125.	799	4.09	34.35						
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	3	11.42	32.37	9.92	62.82	7.30	1.49	55.52	6.99
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	10	11.42	32.37	8.80	62.90	7.22	1.40	55.68	5.79
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	20	11.43	32.37	9.11	59.82	6.85	1.39	52.96	6.19
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	26	11.43	32.37	9.01	60.43	7.24	1.48	53.18	5.93
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	31	11.43	32.37	9.32	61.42	8.13	1.44	53.30	6.19
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	40	11.32	32.38	9.34	59.52	7.19	1.36	52.33	5.89
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	50	10.89	32.44	11.36	56.59	4.34	0.59	52.25	5.39
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	70	10.02	32.74	18.32	52.12	3.99	0.56	48.14	5.85
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	100	8.62	33.27	26.31	47.50	4.59	0.53	42.91	8.17
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	151	8.30	33.84	32.98	43.79	2.84	0.40	40.95	4.78
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	390	5.89	34.09	41.94	41.48				1.52
W0304A	4/5/03	4:25	29	CR-09	41.90	-125.4	980	3.72	34.40	46.49	39.56				1.95
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	3	11.25	32.37	9.49	63.34	7.65	1.14	55.69	6.42
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	9	11.25	32.37			6.62	1.13		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	19	11.26	32.37			8.66	1.22		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	30	11.26	32.37			8.27	1.10		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	39	11.25	32.37			5.37	1.00		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	50	10.66	32.38			3.87	0.52		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	71	9.48	32.80			2.71	0.44		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	101	8.29	33.24			2.80	0.41		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	150	8.15	33.65			2.97	0.30		
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	384	5.65	34.01						
W0304A	4/5/03	9:33	31	CR-11	41.90	-126.	1006	3.54	34.44						
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	3	10.48	33.23	29.51		66.87	13.88		3.82
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	6	10.47	33.25	31.70		56.64	11.18		7.41
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	11	10.06	33.50	35.80		76.21	12.18		6.60
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	17	8.37	33.58	38.28		29.19	6.09		
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	21	7.65	33.76	40.58	44.43	10.71	2.02	33.72	2.54
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	25	7.51	33.80	39.98	43.11	6.28	0.84	36.83	2.61
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	29	7.40	33.81	40.06	42.35	7.34	0.93	35.00	1.36
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	40	7.49	33.90	40.62	49.35	8.84	1.18	40.51	2.10
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	50	7.19	33.93	38.57	74.31	32.65	5.64	41.66	
NH0307A	7/3/03	2:50	3	NH-05	44.65	-124.18	55	7.14	33.93	40.21	43.50	9.40	1.12	34.10	2.25
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	2	12.50	31.73	12.01	105.25	40.82	4.41	64.43	7.59
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	7	12.48	31.73	11.95	106.86	43.78	4.22	63.09	7.70
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	12	11.73	31.86	12.73	105.74	31.51	4.22	74.23	8.48
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	18	9.19	32.28	18.68	65.61	18.68	3.33	46.92	7.32
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	19	9.14	32.29	19.98	63.49	15.75	2.79	47.74	8.25
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	31	8.42	32.49	21.89	70.94	7.35	1.25	63.59	6.18
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	39	8.06	32.65	25.05	62.92	7.08	0.96	55.84	5.55
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	51	7.78	32.80	26.92	60.53	6.00	0.77	54.53	4.99
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	60	7.52	32.99	30.00	53.23	5.25	0.61	47.98	4.95
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	71	7.33	33.36	34.10	50.80	25.86	2.02	24.94	3.04
NH0307A	7/3/03	7:49	5	NH-15	44.65	-124.41	82	7.30	33.69	38.53	47.82	8.52	0.86	39.30	6.18
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	3	14.22	30.95	11.18	123.90	39.22	3.81	84.68	7.38
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	10	14.26	30.98	10.59	137.10	26.17	3.30	110.93	7.27
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	20	11.24	32.06	10.45	69.18	7.33	1.25	61.84	8.06
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	31	9.79	32.24	12.64	64.14	6.06	0.97	58.08	6.54
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	40	9.26	32.30	15.23	56.16	4.65	0.76	51.51	5.79
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	50	8.87	32.40	17.97	53.01	4.49	0.64	48.52	6.43
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	72	7.62	33.06		48.86	3.23	0.43	45.63	
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	102	7.69	33.54	33.22	49.25	3.29	0.53	45.96	3.15
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	149	7.36	33.93	37.80	48.32	3.87	0.48	44.45	2.18
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	199	6.82	33.98	40.56	46.35				4.90
NH0307A	7/3/03	12:31	7	NH-25	44.65	-124.65	243	6.54	34.00	40.66	50.93				2.36
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	3	15.01	30.65	10.58	123.97	30.20	3.12	93.77	7.41
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	9	14.98	30.66			27.81	2.91		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	19	12.67	31.94			9.40	1.54		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	29	11.42	32.22			15.82	2.32		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	40	10.28	32.26			7.59	1.21		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	50	10.03	32.27			4.30	0.85		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	69	9.70	32.52			3.02	0.51		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	101	7.74	33.13			3.44	0.47		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	149	7.27	33.82			3.92	0.52		
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	237	6.49	34.01						
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	255	6.39	34.01						
NH0307A	7/3/03	14:30	8	NH-35	44.65	-124.88	429	5.60	34.09						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	3	15.63	29.84	9.13	121.84	22.21	2.26	99.63	6.88
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	10	14.27	30.98			18.80	2.24		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	20	12.67	31.63			11.56	2.22		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	30	11.32	32.23			9.83	1.59		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	40	10.22	32.28			6.69	1.11		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	49	9.73	32.32			5.48	0.78		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	70	8.90	32.54			4.26	0.59		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	149	7.73	33.76			5.69	0.62		
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	271	6.35	34.01						
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	500	5.26	34.12						
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	573	5.00	34.15						
NH0307A	7/3/03	17:55	9	NH-45	44.65	-125.12	690	4.40	34.28						
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	3	15.80	30.25	8.55	96.27	17.13	2.13	79.14	6.38
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	11	15.68	30.30			10.74	1.58		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	21	13.73	31.65			8.69	1.28		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	31	10.98	32.16			10.31	1.83		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	35	10.39	32.16			12.33	2.15		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	41	10.18	32.17			9.57	1.61		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	50	10.19	32.33			5.79	0.65		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	71	8.92	32.71			6.17	0.70		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	102	7.92	33.15			6.19	0.79		
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	155	7.50	33.77						
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	769	4.22	34.31						
NH0307A	7/3/03	23:23	11	NH-65	44.65	-125.6	1009	3.64	34.42						
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	3	16.33	30.75	7.28	87.00	6.46	1.09	80.54	5.80
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	11	16.32	30.75	7.38	87.40	8.11	1.38	79.28	5.58
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	22	15.62	30.76	8.04	82.39	7.90	1.44	74.49	5.29
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	31	12.26	31.95	7.83	79.00	6.51	1.17	72.50	6.18
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	40	11.33	32.16	7.77	81.29	6.09	1.14	75.20	6.08
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	44	10.70	32.22	8.63	79.32	10.27	2.04	69.05	3.04
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	53	10.15	32.25	12.08	68.40	5.07	0.86	63.33	6.25
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	65	9.74	32.33	16.01	68.30	2.65	0.50	65.65	6.06
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	100	8.43	32.99	26.39	62.00		0.32		4.40
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	155	7.97	33.64	33.30	57.12				3.70
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	755	4.17	34.30	46.03	52.33				
NH0307A	7/4/03	2:39	12	NH-85	44.65	-126.05	1006	3.52	34.40	47.32	38.66				0.91
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	3	9.58	33.41	33.63	177.95	57.25	11.64	120.69	6.97
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	6	9.14	33.50	34.90	158.52	92.98	14.94	65.54	1.31
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	11	8.66	33.62	36.46	102.83	33.64	7.30	69.19	3.59
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	15	7.96	33.71	37.13	77.13	27.40	5.34	49.73	0.48
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	22	7.69	33.80	37.45	61.61	18.32	3.21	43.29	0.59
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	26	7.68	33.80		52.25	14.01	2.53	38.24	
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	30	7.69	33.81	38.71	55.02	18.48	2.99	36.53	0.92
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	40	7.64	33.83	37.90	48.64	12.79	2.39	35.85	0.44
NH0307A	7/8/03	0:55	34	HH-01	44.00	-124.2	49	7.61	33.85	37.61	47.37	13.84	2.53	33.53	0.47
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	3	11.18	33.04	27.68	257.37	133.68	13.76	123.69	13.54
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	6	10.85	33.04			121.37	13.28		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	11	9.99	33.18			116.95	14.98		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	19	9.49	33.26			71.82	13.97		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	31	7.90	33.32			21.36	4.36		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	39	7.69	33.53			11.82	2.13		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	49	7.61	33.68			7.45	1.30		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	59	7.54	33.80			6.53	1.07		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	70	7.50	33.84			6.23	1.02		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	100	6.98	33.98			18.45	3.13		
NH0307A	7/8/03	2:18	35	HH-02	44.00	-124.4	115	6.95	33.98			22.64	3.74		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	10	10.13	33.11	30.92	212.54	114.68	17.39	97.85	6.53
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	21	8.69	33.34			52.78	8.94		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	31	7.79	33.55			21.76	3.97		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	40	7.42	33.74			10.25	1.55		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	53	7.37	33.79			10.32	1.58		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	61	7.29	33.83			8.47	1.05		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	70	7.15	33.86			7.13	0.84		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	101	7.22	33.97			7.71	1.14		
NH0307A	7/8/03	4:28	36	HH-03	44.00	-124.6	148	6.97	33.98			10.96	1.59		
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	2	11.63	32.60	12.19	124.46	58.18	6.01	66.28	6.14
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	6	11.59	32.61	13.49	139.42	56.30	6.05	83.12	7.40
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	10	11.29	32.68	15.07	124.14	56.41	7.87	67.73	6.94
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	15	8.82	32.42	34.92	166.16	83.77	11.17	82.40	11.81
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	20	8.61	32.46	27.84	138.17	48.72	6.77	89.44	5.29
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	31	8.12	32.61	26.87	70.21	21.18	2.84	49.02	5.28
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	41	7.61	32.93	28.37	52.70	7.23	0.84	45.47	3.96
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	52	8.33	33.24	32.18	52.25	9.55	1.54	42.70	3.17
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	61	8.04	33.51	35.26	51.69	10.88	1.63	40.82	2.50
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	70	7.93	33.61	37.84	50.50	8.94	1.33	41.56	3.80
NH0307A	7/8/03	7:04	37	HH-04	44.00	-124.8	99	7.14	33.85	37.51	44.27	7.47	1.12	36.80	1.69
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	3	11.83	32.35	14.57	146.52	79.11	7.64	67.41	6.83
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	10	11.78	32.38	16.49	151.47	91.10	8.26	60.37	8.10
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	21	10.39	32.62	26.24	148.86	81.82	11.21	67.03	8.33
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	31	9.37	32.88	29.43	94.33	41.97	6.52	52.36	5.84
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	41	8.29	33.11	30.55	78.98	17.70	2.96	61.28	5.98
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	52	7.83	33.34	33.15	58.44	12.33	1.55	46.12	2.17
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	71	7.49	33.63	35.32	51.00	8.08	1.10	42.92	1.83
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	102	7.33	33.91	36.34	46.88	7.47	0.92	39.41	1.72
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	153	7.11	33.98	36.65	52.10	3.41	0.49	48.69	2.68
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	398	5.68	34.09	41.95	48.60				1.80
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	502	5.19	34.15	43.43	43.86				2.00
NH0307A	7/7/03	6:02	33	HH-05	44.00	-125.	815	4.11	34.34		48.26				
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	3	13.14	31.93	9.90	100.85	33.75	4.03	67.11	5.63
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	10	13.12	31.92			30.09	3.78		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	22	9.97	32.27			15.52	2.41		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	31	9.58	32.31			10.90	1.68		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	40	8.94	32.37			9.56	1.10		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	49	8.83	32.49			7.03	0.82		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	72	8.08	32.96			8.14	1.42		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	103	8.07	33.51			6.73	1.16		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	152	7.50	33.90			9.03	1.60		
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	343	5.72	34.03						
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	782	4.22	34.32						
NH0307A	7/7/03	3:44	32	HH-07	44.00	-125.2	1003	3.62	34.41						
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	2	8.88	33.70	34.10	114.63	28.06	6.01	86.57	5.12

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	5	8.89	33.70	34.33	101.71	40.97	8.08	60.73	3.15
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	10	8.54	33.71	34.90	85.76	28.05	5.91	57.71	4.51
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	14	8.30	33.72	36.36	83.25	32.23	7.01	51.02	1.98
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	20	8.06	33.73	36.74	69.47	22.18	4.47	47.29	1.03
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	26	7.70	33.81	37.12	56.66	7.71	1.38	48.96	1.38
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	30	7.59	33.85	38.05	54.98	9.78	1.43	45.20	2.37
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	40	7.39	33.91	38.32	52.52	7.11	1.11	45.41	1.39
NH0307A	7/6/03	19:45	30	FM-03	43.22	-124.5	48	7.36	33.91	38.11	50.75	7.15	1.11	43.60	1.46
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	4	9.59	33.43	32.77	137.61	40.26	8.83	97.35	8.54
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	6	9.48	33.43			47.42	9.92		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	12	9.35	33.44			45.56	7.98		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	20	8.12	33.58			18.53	3.40		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	31	7.68	33.79			9.94	1.80		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	40	7.46	33.88			6.53	0.82		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	50	7.39	33.90			8.47	1.16		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	59	7.25	33.95			7.34	0.89		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	71	7.25	33.96			7.48	0.91		
NH0307A	7/6/03	17:55	29	FM-04	43.22	-124.58	81	7.22	33.97			10.85	1.40		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	3	9.96	32.80	26.80	105.18	33.95	7.25	71.23	9.70
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	6	9.96	32.80			35.86	7.71		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	10	9.95	32.80			31.40	7.10		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	23	9.24	32.87			22.82	5.10		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	31	9.45	33.10			35.39	7.74		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	42	9.29	33.34			26.96	5.37		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	50	7.88	33.51			10.11	1.66		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	68	7.75	33.75			6.63	1.01		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	100	7.33	33.95			4.23	0.52		
NH0307A	7/6/03	16:07	28	FM-05	43.22	-124.67	155	7.16	34.00			7.23	0.89		
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	4	11.80	32.21	12.11	82.55	16.26	3.55	66.29	5.48
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	10	11.81	32.21	12.21	81.03	17.28	3.54	63.75	4.26
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	20	10.57	32.23	15.18	71.59	14.89	3.17	56.70	4.92
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	25	9.42	32.31	17.24	64.28	9.77	2.02	54.52	6.17
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	32	9.10	32.41	21.29	61.19	8.30	1.91	52.89	6.16
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	41	8.82	32.59	23.33	59.35	6.93	1.42	52.42	6.21
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	53	8.39	32.87	27.47	63.12	5.60	0.88	57.52	4.83
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	70	7.90	33.32	33.44	56.12	10.04	1.05	46.08	5.74
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	100	7.76	33.70	33.19	54.62	5.32	0.74	49.30	2.56
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	151	7.39	33.96	37.54	52.92	5.41	0.80	47.51	2.78
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	217	7.01	34.02	39.18	45.21				0.67
NH0307A	7/6/03	11:59	26	FM-07	43.22	-124.83	303	6.48	34.05	39.63	45.17				3.07
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	2	11.93	32.19	10.72	79.31	19.04	3.38	60.27	4.72
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	10	11.90	32.18			20.77	3.71		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	16	11.33	32.18			21.83	3.79		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	21	10.24	32.21			22.12	3.67		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	30	9.89	32.31			9.79	1.42		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	40	9.68	32.40			5.45	0.78		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	50	8.61	32.72			7.34	0.81		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	70	8.17	33.15			3.13	0.38		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	103	7.85	33.60			3.62	0.49		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	155	7.43	33.95			4.56	0.60		
NH0307A	7/6/03	9:28	25	FM-08	43.22	-125.	1005	3.77	34.41						

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	3	12.95	32.09	8.40	70.76	19.29	2.62	51.47	4.52
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	9	12.92	32.09	10.95	77.98	19.44	2.86	58.54	7.24
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	15	11.73	32.13	13.68	96.74	23.48	3.50	73.26	9.27
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	19	10.84	32.21	14.04	95.56	40.11	5.70	55.45	5.71
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	30	9.98	32.32	13.62	72.98	7.90	1.08	65.08	5.88
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	40	9.46	32.36	17.41	66.65	6.04	0.83	60.62	5.64
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	52	9.11	32.46	18.66	62.23	5.69	0.65	56.54	4.83
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	71	8.67	32.77	24.31	58.29	5.25	0.56	53.04	5.09
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	95	7.92	33.33	30.73	54.37	4.33	0.44	50.04	3.98
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	155	7.77	33.90	36.99	52.88	3.89	0.47	48.99	
NH0307A	7/6/03	6:36	24	FM-09	43.22	-125.17	1006	3.80	34.41	48.19	37.83				1.18
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	2	11.11	33.71	24.46	166.70	89.85	11.72	76.85	10.52
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	6	10.59	33.69	28.46	169.89	72.57	11.29	97.33	11.40
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	10	10.52	33.70	30.36	162.60	83.85	13.83	78.75	10.77
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	15	10.18	33.74	39.81	138.88	68.00	11.24	70.88	12.72
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	20	8.58	33.79	41.29	83.07	37.90	6.06	45.17	3.15
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	25	8.34	33.85	40.62	76.10	25.59	4.36	50.51	4.94
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	31	8.27	33.87	40.31	66.87	24.92	4.08	41.95	4.55
NH0307A	7/4/03	20:50	13	CR-01	41.90	-124.3	35	8.27	33.87	41.20	69.92	29.56	4.80	40.36	5.04
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	4	10.47	33.69	28.40	170.81	95.62	14.10	75.19	9.90
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	6	10.36	33.69			76.01	11.62		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	11	10.43	33.69			63.39	9.87		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	19	8.38	33.64			27.37	4.25		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	30	8.27	33.76			14.55	2.18		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	41	8.36	33.83			12.90	2.17		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	50	7.91	33.89			15.49	2.52		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	59	7.87	33.93			6.57	1.00		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	70	7.80	33.95			6.17	0.90		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	91	7.71	33.96			7.58	1.06		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	100	7.69	33.97			6.24	1.08		
NH0307A	7/4/03	23:54	15	CR-03	41.90	-124.5	133	7.48	34.00			8.74	1.37		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	3	9.73	33.59	28.76	103.51	49.24	7.05	54.27	6.87
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	10	9.73	33.59			35.25	5.74		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	20	9.41	33.60						
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	29	8.54	33.59						
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	40	8.20	33.67			7.81	1.20		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	50	8.00	33.82			5.26	0.80		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	69	7.88	33.90			3.64	0.51		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	102	7.63	33.98			5.30	0.67		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	151	7.44	34.00			26.59	2.39		
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	434	5.97	34.10						
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	437	5.97	34.10						
NH0307A	7/5/03	2:10	16	CR-04	41.90	-124.6	497	5.77	34.12						
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	3	9.89	33.45	26.39	75.98	19.79	3.04	56.19	5.47
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	20	9.87	33.47	26.80	69.32				8.79
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	31	9.76	33.49	27.32	75.23	21.95	3.33	53.28	4.12
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	38	9.41	33.53	28.06	63.03	18.54	2.85	44.49	4.09
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	50	8.92	33.61	32.04	53.71	9.04	1.68	44.67	6.95
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	71	8.45	33.63	34.84	52.92	7.29	1.36	45.63	5.90
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	100	8.07	33.77	35.47	48.56	5.93	1.14	42.63	4.29

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	151	7.61	33.98	39.24	44.31	5.40	0.78	38.91	3.57
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	280	6.40	34.07	43.51	49.84				3.67
NH0307A	7/5/03	5:12	17	CR-05	41.90	-124.7	500	5.48	34.16	45.95	38.78				5.38
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	3	10.41	33.38	24.01	72.95	14.94	2.90	58.02	7.85
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	10	10.41	33.38			15.55	2.97		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	20	10.33	33.38			16.49	3.17		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	26	9.90	33.37			12.26	2.37		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	30	9.07	33.34			8.50	1.54		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	39	8.74	33.55			5.42	0.65		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	51	8.64	33.56			5.34	0.70		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	68	8.71	33.66			6.38	1.00		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	101	8.34	33.69			6.31	0.88		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	151	7.64	33.96			8.74	1.15		
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	508	5.07	34.19						
NH0307A	7/5/03	10:55	19	CR-07	41.90	-125.	817	4.14	34.36						
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	2	11.87	32.24	9.93	86.14	16.64	2.75	69.50	6.05
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	10	11.82	32.24	10.54	89.71	14.94	2.56	74.77	6.44
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	19	11.22	32.29	12.48	77.58	16.60	2.98	60.98	6.35
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	29	10.72	32.30	15.19	76.92	15.21	2.73	61.70	8.16
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	35	10.38	32.30	17.95	75.71	16.21	2.70	59.50	7.73
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	41	9.97	32.41	17.65	59.45	8.27	1.31	51.18	5.66
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	51	8.70	32.71	22.85	54.77	8.35	1.15	46.41	5.00
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	71	9.68	33.24	27.39	76.65	23.50	3.87	53.15	6.75
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	102	9.38	33.50	31.18	77.17	19.14	3.87	58.02	6.86
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	122	8.72	33.53	33.46	64.67	11.85	2.18	52.82	5.83
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	149	7.96	33.74	34.84	52.14	7.31	0.74	44.83	3.31
NH0307A	7/5/03	15:55	21	CR-09	41.90	-125.4	1005	3.63	34.43	48.63	41.76				1.77
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	3	15.81	31.91	7.29	68.56	6.22	0.99	62.34	6.07
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	11	15.79	31.91			7.31	1.06		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	20	15.66	31.92			9.34	1.69		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	29	15.59	31.93			7.02	1.18		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	39	15.54	31.95			6.18	0.99		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	51	15.55	32.17			5.82	0.87		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	66	12.62	32.31			6.43	1.24		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	70	12.00	32.30			6.81	1.21		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	104	9.11	32.70			3.32	0.55		
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	158	7.98	33.65						
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	488	5.32	34.10						
NH0307A	7/5/03	21:10	23	CR-11	41.90	-126.	998	3.64	34.43						
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	2	8.71	33.38	36.32	48.20	18.88	1.27	29.32	4.88
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	5	8.67	33.38	39.50	48.31	19.99	1.18	28.32	8.16
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	10	8.45	33.37	37.35	50.59	19.34	1.75	31.26	5.37
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	16	8.23	33.37	38.41	56.75	24.08	2.35	32.67	6.20
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	20	8.21	33.45	37.66	57.67		1.54		4.73
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	25	8.10	33.47	38.49	47.29	11.28	1.27	36.01	5.20
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	30	7.97	33.57	40.46	47.95	7.96	0.87	39.99	5.74
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	40	7.72	33.70	41.23	52.05	10.15	0.95	41.90	5.13
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	50	7.74	33.79	41.25	53.39	10.34	1.00	43.05	7.53
W0309B	9/26/03	19:23	3	NH-05	44.65	-124.18	53	7.74	33.79	42.55	48.68	15.19	1.13	33.49	6.13
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	2	10.19	32.50	24.34	79.33	23.07	2.14	56.25	6.37

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	6	9.85	32.53	24.65	79.80	17.87	2.09	61.93	7.90
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	10	9.57	32.57	26.71	75.22	21.63	2.26	53.59	7.91
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	21	8.25	32.71	26.84	65.81	10.71	0.95	55.09	8.51
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	30	8.06	32.87	28.70	61.92	11.82	0.44	50.11	6.73
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	41	7.92	33.06	29.82	55.65	3.81	0.36	51.84	5.93
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	51	7.81	33.25	31.92	52.96	4.13	0.39	48.83	5.08
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	60	7.94	33.41	38.38	61.41	6.26	0.65	55.16	7.16
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	70	7.75	33.51	37.31	64.81	6.06	0.71	58.75	4.21
W0309B	9/26/03	21:55	5	NH-15	44.65	-124.41	86	7.83	33.70	40.73	61.51	6.49	0.59	55.01	5.06
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	1	11.49	31.94	21.50	81.97	32.42	3.88	49.55	10.19
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	10	10.55	32.08	17.50	79.83	25.34	3.33	54.49	5.00
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	20	9.94	32.20	22.46	77.37	32.55	3.92	44.82	5.34
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	30	9.12	32.06	19.89	62.10	10.74	1.44	51.36	4.87
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	41	8.22	32.77	22.27	52.90	6.62	0.44	46.28	4.02
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	50	8.14	32.84	24.36	58.18		0.39		5.08
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	70	7.90	33.43	32.68	56.72	5.90	0.42	50.82	5.79
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	100	7.99	33.71	35.16	52.74	4.90	0.33	47.84	4.52
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	150	7.79	33.92	36.12	59.44	4.75	0.39	54.69	1.43
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	175	7.73	33.97	36.01	71.83				1.34
W0309B	9/27/03	0:04	7	NH-25	44.65	-124.65	202	7.36	34.00	42.33	62.25				7.13
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	2	13.47	32.14	13.04	92.63	16.29	2.60	76.33	8.28
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	10	13.46	32.14			14.50	2.45		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	20	11.15	32.31			6.27	0.88		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	30	10.34	32.35			4.89	0.73		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	40	9.15	32.48			4.41	0.52		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	50	8.69	32.57			6.21	0.50		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	70	7.96	33.09			3.22	0.30		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	99	8.01	33.60			2.57	0.32		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	150	7.96	33.84			3.95	0.35		
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	380	6.11	34.06						
W0309B	9/27/03	6:46	9	NH-35	44.65	-124.88	428	5.85	34.08						
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	2	15.23	32.03	12.97	88.15	7.08	1.04	81.07	11.65
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	10	15.23	32.03			6.27	1.10		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	20	15.13	32.05			6.04	1.04		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	30	10.17	32.35			3.84	0.55		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	40	9.71	32.39			4.31	0.50		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	50	9.26	32.45			3.77	0.49		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	70	8.35	32.76			4.79	0.32		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	98	7.97	33.49			2.34	0.20		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	150	7.92	33.83			2.59	0.36		
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	499	5.27	34.12						
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	665	4.65	34.23						
W0309B	9/27/03	10:21	10	NH-45	44.65	-125.12	680	4.64	34.23						
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	3	15.12	31.90	10.47	89.39	13.00	2.50	76.39	6.75
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	5	15.12	31.90			13.87	2.57		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	10	15.20	31.95			13.50	2.33		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	21	15.28	32.01			12.43	2.00		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	30	14.42	32.02			12.08	1.75		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	41	10.88	32.32			5.96	0.73		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	50	9.49	32.35			3.26	0.50		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	70	8.40	32.59			2.96	0.37		



Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [µM]	TOC [µM]	POC [µM]	PON [µM]	DOC [µM]	DON [µM]
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	100	7.27	33.08			3.63	0.25		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	151	7.48	33.72			3.40	0.31		
W0309B	9/27/03	15:35	12	NH-65	44.65	-125.6	1004	3.72	34.40						
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	2	17.75	31.94	6.14	81.25	9.62	0.95	71.63	5.18
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	10	17.72	31.94	5.78	87.35	7.84	0.89	79.51	4.86
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	21	17.60	31.96	5.95	84.88	9.13	0.87	75.75	4.60
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	30	17.32	31.99	6.20	84.14	7.43	0.84	76.72	4.98
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	40	16.84	31.99	6.89	84.18	6.25	0.73	77.93	5.54
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	49	15.26	32.18	6.20	88.01	7.23	0.84	80.78	4.59
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	71	9.49	32.38	15.93	71.03	5.66	0.46	65.37	8.48
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	100	8.05	32.53	22.93	67.33	4.45	0.31	62.88	11.54
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	142	7.87	33.33	28.82		3.95	0.28		2.21
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	620	4.76	34.20	45.89					0.44
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	805	4.12	34.31	46.58					0.92
W0309B	9/27/03	18:38	13	NH-85	44.65	-126.05	1004	3.66	34.42						
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	1	9.02	33.38	32.24	119.45	34.18	5.69	85.28	11.96
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	5	9.01	33.41	33.46	95.81	25.53	4.09	70.28	6.27
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	10	8.98	33.43	33.23	89.87	19.94	3.00	69.93	5.68
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	15	8.83	33.47	35.60	77.82	20.98	3.00	56.84	6.05
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	20	8.81	33.51	35.35	75.98	14.05	2.16	61.93	5.57
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	26	8.82	33.53	37.05	68.87	14.59	2.11	54.28	6.79
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	30	8.76	33.58	39.32	69.51	15.66	2.03	53.84	7.44
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	40	8.66	33.61	36.80	74.56	11.54	1.61	63.03	3.86
W0309B	9/30/03	9:31	33	HH-01	44.00	-124.2	49	8.38	33.62	39.23	68.88	18.23	2.31	50.65	5.43
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	2	9.56	33.19	29.62	90.03	22.28	4.04	67.75	8.39
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	5	9.03	33.28			18.70	3.28		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	10	8.54	33.33			15.97	2.77		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	20	8.11	33.40			8.47	1.40		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	30	8.12	33.50			6.01	1.14		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	40	7.99	33.61			4.34	0.80		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	50	7.96	33.70			4.37	0.64		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	61	7.97	33.75			3.55	0.53		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	70	7.98	33.80			4.53	0.62		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	100	7.94	33.89			5.25	0.72		
W0309B	9/30/03	10:50	34	HH-02	44.00	-124.4	115	7.89	33.91			6.93	0.85		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	1	11.35	32.40	18.30	79.53	23.71	4.10	55.82	3.93
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	10	9.60	32.65			11.29	2.15		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	19	8.99	32.85			5.21	1.00		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	30	8.65	33.01			6.42	1.22		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	40	8.77	33.35			6.38	1.18		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	50	8.53	33.36			6.23	1.16		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	60	8.36	33.40			6.66	1.18		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	69	8.02	33.47			5.48	0.96		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	101	7.91	33.73			4.05	0.65		
W0309B	9/30/03	12:49	35	HH-03	44.00	-124.6	145	7.89	33.90			7.66	1.09		
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	2	11.35	32.41	18.97	88.73	50.12	9.09	38.61	1.41
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	5	11.42	32.43	18.88	81.46	47.45	8.34	34.01	3.65
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	11	10.68	32.66	18.71	77.94	31.87	5.44	46.06	5.86
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	20	10.81	32.87	19.76	81.99	40.26	6.70	41.73	7.37
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	30	9.86	32.92	25.06	82.59	38.94	6.52	43.65	3.69

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	40	9.45	33.14	31.38	81.29	37.14	5.82	44.15	6.44
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	50	9.41	33.18	28.69	71.07	30.75	5.59	40.33	3.19
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	60	9.23	33.19	31.16	83.59	29.44	5.18	54.16	4.64
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	70	8.39	33.21	33.15	68.88	28.85	4.75	40.02	2.24
W0309B	9/30/03	14:51	36	HH-04	44.00	-124.8	94	7.97	33.77	40.97	55.70	18.71	2.47	36.98	3.33
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	1	14.47	32.22	9.09	74.32	12.68	2.04	61.64	6.39
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	10	13.09	32.30	10.42	77.56	9.47	1.72	68.09	5.70
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	20	10.56	32.48	18.22	63.50	6.89	1.17	56.60	6.21
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	31	9.34	32.56	20.71	55.40	5.13	0.65	50.28	5.42
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	40	8.70	32.71	23.84	58.32	6.01	0.88	52.31	4.23
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	50	8.15	33.13	31.09	49.47	6.16	0.80	43.31	5.32
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	70	8.03	33.45	34.92	51.73				
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	100	8.05	33.75	36.99	52.58	6.16	0.69	46.42	2.95
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	151	7.92	33.88	39.24	48.35	6.83	0.97	41.52	2.64
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	200	7.88	33.94	40.73	50.19				4.55
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	500	5.40	34.11	49.69	47.40				11.09
W0309B	9/30/03	18:29	37	HH-05	44.00	-125.	800	4.20	34.32	49.14	43.66				4.46
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	1	15.31	32.11	8.88	75.72	14.23	2.21	61.49	6.11
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	10	15.00	32.11			12.35	2.07		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	20	12.23	32.31			8.85	1.55		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	30	10.17	32.39			4.38	0.74		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	40	8.92	32.48			4.13	0.49		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	51	8.60	32.66			4.36	0.51		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	70	8.13	32.87			5.42	0.53		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	100	7.45	33.39			3.70	0.43		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	150	7.69	33.83			4.29	0.51		
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	250	6.67	34.00						
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	570	4.94	34.21						
W0309B	9/30/03	23:17	38	HH-07	44.00	-125.2	1006	3.57	34.43						
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	1	16.21	31.72	8.57	79.29	10.43	1.60	68.86	6.78
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	10	15.94	31.87			8.30	1.24		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	20	15.05	32.10			7.79	1.15		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	25	14.31	32.15			7.71	1.20		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	30	13.83	32.18			8.15	1.35		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	39	12.10	32.28			6.19	0.91		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	50	9.94	32.37			5.70	0.63		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	70	8.32	32.77			4.17	0.43		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	100	7.61	33.36			4.52	0.44		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	149	7.59	33.89			4.07	0.45		
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	456	5.26	34.11						
W0309B	10/1/03	1:31	39	HH-09	44.00	-125.4	505	5.06	34.13						
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	1	9.38	33.61	37.23	68.88	23.68	4.24	45.20	9.65
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	5	9.36	33.61	32.47	70.71	25.57	4.67	45.14	2.97
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	11	9.31	33.69	35.34	66.70	25.39	4.70	41.31	6.66
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	15	9.28	33.72	33.73	66.06	22.21	3.82	43.86	5.37
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	20	9.14	33.73	33.34	64.20	17.30	3.02	46.90	4.59
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	24	9.05	33.73	35.79	61.84	16.87	2.68	44.97	6.99
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	30	9.02	33.73	34.77	63.99	13.57	2.46	50.42	5.57
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	40	9.02	33.74	35.01	58.58	13.93	2.45	44.65	7.08
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	50	9.01	33.76	33.01	58.66	14.83	2.54	43.84	3.55
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	55	9.01	33.76	33.51	62.20	15.60	2.59	46.61	3.80

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0309B	9/29/03	19:32	26	FM-03	43.22	-124.5	61	9.01	33.76	37.03	62.33	14.15	2.45	48.18	7.81
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	1	9.32	33.55	31.97	70.44	24.60	4.49	45.85	1.80
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	5	9.21	33.57			20.52	3.49		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	10	9.21	33.59			16.53	2.82		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	20	8.88	33.61			11.61	2.00		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	30	8.61	33.65			8.17	1.22		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	40	8.71	33.74			6.75	1.10		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	49	8.72	33.75			7.10	1.06		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	61	8.73	33.77			7.19	1.15		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	66	8.73	33.77			9.00	1.23		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	70	8.72	33.78			8.91	1.34		
W0309B	9/29/03	20:32	27	FM-04	43.22	-124.58	79	8.71	33.78			7.55	1.09		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	2	9.20	33.54	31.57	59.64	14.09	1.99	45.55	5.10
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	10	8.86	33.71			8.70	1.10		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	21	8.85	33.72			8.22	1.05		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	30	8.60	33.73			7.07	0.78		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	40	8.58	33.73			5.81	0.66		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	50	8.56	33.74			6.38	0.69		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	61	8.50	33.75			5.61	0.58		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	70	8.44	33.78			6.00	0.60		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	100	8.40	33.82			9.38	0.89		
W0309B	9/29/03	21:32	28	FM-05	43.22	-124.67	150	8.26	33.87			8.31	0.68		
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	2	9.60	33.31	31.38	73.22	17.43	2.73	55.79	9.19
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	10	9.27	33.37	31.38	69.99	18.16	2.66	51.83	9.73
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	20	9.01	33.45	30.56	63.52	13.19	1.87	50.33	3.69
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	30	8.75	33.53	32.88	65.79	8.27	1.28	57.53	5.92
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	41	8.66	33.57	35.77	63.55	5.74	0.89	57.81	9.14
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	50	8.64	33.60	34.39	98.32	5.66	0.82	92.66	5.44
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	70	8.59	33.67	33.45	52.94	4.67	0.64	48.28	4.75
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	100	8.31	33.75	34.58	51.29	3.06	0.36	48.23	6.87
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	151	8.06	33.94		83.07	1.97	0.28	81.10	
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	215	7.61	34.03		44.98				
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	250	7.38	34.04	38.51	43.41				1.84
W0309B	9/29/03	23:28	30	FM-07	43.22	-124.83	300	7.07	34.06	41.37	45.79				4.55
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	1	12.68	32.36	12.12	70.63	12.14	1.76	58.49	6.90
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	10	12.08	32.40			11.87	1.55		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	20	10.11	32.40			6.31	0.88		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	30	8.80	32.68			5.16	0.57		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	40	9.34	32.97			7.37	1.00		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	50	9.22	33.00			7.98	1.08		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	70	8.47	33.30			5.98	0.71		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	100	8.05	33.56			4.43	0.44		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	150	7.74	33.88			3.28	0.34		
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	250	7.32	34.04						
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	700	4.62	34.26						
W0309B	9/30/03	1:18	31	FM-08	43.22	-125.	1007	3.57	34.43						
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	2	14.70	32.24	7.78	76.90	9.44	1.28	67.46	6.09
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	10	14.63	32.23	8.17	72.51	6.60	1.17	65.91	6.02
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	20	11.77	32.45	12.61	63.94	6.34	1.24	57.61	6.37
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	30	10.20	32.45		62.69	6.25	0.97	56.44	

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	40	9.57	32.53	19.31	61.57	6.77	0.67	54.80	5.46
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	45	9.32	32.58	21.71	56.68	8.05	0.79	48.63	7.38
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	50	9.73	32.89	23.27	52.52	5.14	0.49	47.38	6.17
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	71	9.10	33.13	26.67	52.75	4.73	0.53	48.02	5.52
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	101	8.27	33.45	29.98	54.28	4.18	0.42	50.11	2.85
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	149	8.13	33.91	37.30	54.21	3.57	0.38	50.65	2.89
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	956	3.86	34.40	48.83	42.98				2.80
W0309B	9/30/03	2:57	32	FM-09	43.22	-125.17	1005	3.73	34.42	47.64	43.37				0.36
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	2	11.45	33.08	17.72		37.20	6.91		9.00
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	5	11.39	33.09	17.57		33.77	6.36		8.85
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	10	11.09	33.11			36.30	6.64		
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	15	10.96	33.12	19.90		34.45	6.47		9.29
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	20	10.53	33.17	21.45		26.41	5.52		6.48
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	25	10.07	33.23	26.56		27.64	4.54		7.18
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	30	9.61	33.29	28.96		12.75	2.05		7.82
W0309B	9/28/03	13:21	14	CR-01	41.90	-124.3	35	9.41	33.32	29.70	55.68	12.73	1.96	42.95	7.88
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	2	12.15	32.81	14.32	53.15	12.87	2.55	40.28	6.25
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	5	12.13	32.82			12.23	2.45		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	10	11.74	32.87			10.18	2.09		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	20	10.31	33.00			7.82	1.43		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	30	9.72	33.03			6.19	1.05		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	41	9.00	33.15			4.11	0.59		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	50	8.65	33.35			4.36	0.44		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	60	8.67	33.39			3.26	0.43		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	70	8.71	33.47			5.81	0.77		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	99	8.61	33.75			7.74	1.03		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	110	8.58	33.74			6.25	0.75		
W0309B	9/28/03	15:49	16	CR-03	41.90	-124.5	129	8.54	33.76			6.11	0.66		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	2	11.32	32.48	13.85	48.56	9.59	1.56	38.97	5.55
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	10	11.80	32.99			20.58	3.48		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	14	11.58	33.03			20.02	3.53		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	20	10.30	33.03			8.73	1.55		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	30	9.09	33.03			4.22	0.54		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	40	8.42	33.16			3.88	0.44		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	50	8.38	33.23			4.23	0.44		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	70	8.15	33.45			3.55	0.42		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	101	8.23	33.65			4.12	0.52		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	149	7.87	33.92			3.69	0.42		
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	350	6.72	34.08						
W0309B	9/28/03	18:03	17	CR-04	41.90	-124.6	450	6.01	34.11						
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	2	11.24	32.80	15.09	59.11	16.80	2.33	42.31	6.55
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	10	10.48	33.02	19.23	59.17	23.41	3.65	35.76	3.84
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	20	10.39	33.17	21.32	57.62	16.44	3.75	41.18	4.39
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	30	9.96	33.25	24.60	57.55	16.80	3.19	40.75	4.34
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	40	9.12	33.33	26.46	53.15	6.81	1.08	46.34	2.42
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	50	8.96	33.47	28.96	56.37	5.91	0.87	50.46	2.81
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	70	8.46	33.56	29.87	47.32	6.45	0.68	40.87	1.76
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	100	8.08	33.77	31.90	44.85	3.89	0.37	40.96	1.43
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	151	8.01	33.95	34.56	52.09	3.75	0.42	48.34	0.97
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	270	6.90	34.06		46.43				
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	500	5.27	34.15		46.44				

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0309B	9/28/03	20:34	18	CR-05	41.90	-124.7	651	4.80	34.24		45.49				
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	1	13.74	32.49	11.24	60.03	8.64	1.03	51.39	7.18
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	11	11.64	32.73			10.22	1.33		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	20	11.08	32.78			9.35	1.29		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	29	10.52	33.06			15.62	2.57		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	40	9.98	33.21			15.54	2.52		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	50	9.62	33.30			9.91	1.49		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	70	9.04	33.43			6.16	0.77		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	100	8.01	33.56			6.08	0.64		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	150	7.74	33.92			3.95	0.43		
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	419	5.65	34.15						
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	501	5.30	34.18						
W0309B	9/29/03	0:29	20	CR-07	41.90	-125.	780	4.28	34.32						
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	2	16.99	32.18	8.30	70.28	9.64	1.09	60.65	7.12
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	10	16.14	32.22	7.07	54.39	7.58	0.93	46.81	5.77
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	20	13.30	32.55	11.21	58.15	9.05	0.94	49.11	6.85
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	30	12.63	32.57	12.49	61.65	8.10	0.89	53.55	6.34
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	40	11.59	32.50	11.96	58.90	5.47	0.64	53.42	5.93
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	50	10.35	32.41	15.41	54.77	5.74	0.63	49.02	8.31
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	70	8.93	32.59	21.71	53.78	5.44	0.41	48.34	9.08
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	100	8.63	33.16	25.86	58.56	3.82	0.43	54.74	3.84
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	149	7.70	33.67	31.09	52.74	3.47	0.25	49.27	2.22
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	765	4.16	34.30		45.93				
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	845	4.04	34.36		47.05				
W0309B	9/29/03	4:02	22	CR-09	41.90	-125.4	1005	3.61	34.44		37.82				
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	2	16.92	32.16	7.36	61.48	11.00	1.28	50.48	5.93
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	11	16.90	32.16			9.92	1.13		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	21	16.89	32.16			8.11	0.89		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	30	15.78	32.24			9.05	0.80		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	40	14.53	32.30			6.67	0.60		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	51	12.81	32.40			4.37	0.35		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	70	10.49	32.47			2.10	0.21		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	100	9.47	32.85			2.43	0.22		
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	150	8.11	33.58			2.85			
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	770	4.20	34.31						
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	940	3.74	34.40						
W0309B	9/29/03	9:13	24	CR-11	41.90	-126.	1004	3.58	34.43						
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	3	15.25	32.46	15.15	107.54	70.31	9.34	37.24	5.44
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	6	15.03	32.47	15.22	104.32	59.19	7.93	45.13	6.55
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	10	14.96	32.47	11.99	98.87	59.66	8.20	39.21	2.73
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	15	14.56	32.49	12.23	80.56	36.19	4.67	44.38	4.09
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	21	11.79	32.75	14.82	76.88	17.38	2.66	59.50	2.30
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	25	10.12	32.92	23.36	70.39	11.25	1.78	59.14	2.79
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	30	8.80	33.09		60.35	8.82	1.29	51.53	
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	41	8.13	33.30	31.32	53.81	9.09	1.12	44.72	0.97
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	51	7.86	33.55		54.47	13.46	1.53	41.01	
W0409	8/30/04	23:21	3	NH-05	44.65	-124.18	52	7.86	33.55		55.65	18.88	1.91	36.77	
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	3	16.15	32.38	9.14	92.17	30.51	3.93	61.66	5.18
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	5	16.12	32.38	9.21	89.59	31.22	4.08	58.37	5.09
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	10	16.08	32.39	9.27	95.97	35.84	4.43	60.13	4.78

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	12	16.05	32.39	14.49	92.40	33.56	4.47	58.84	8.28
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	20	10.85	32.96	17.50	74.00	22.54	3.75	51.47	2.50
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	30	8.91	33.21	28.63	53.57	10.93	1.60	42.65	0.94
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	39	7.92	33.29	28.66	44.68	5.63	0.81	39.05	0.52
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	50	7.95	33.55		48.07	4.98	0.69	43.09	
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	60	7.87	33.73		50.44	8.03	0.98	42.42	
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	69	7.84	33.78		56.69	8.45	1.06	48.24	
W0409	8/31/04	1:49	5	NH-15	44.65	-124.41	86	7.83	33.79		55.74	9.47	1.08	46.27	
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	2	15.46	32.16	10.20	98.51	48.29	5.99	50.23	3.85
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	11	12.25	32.29	14.22	94.54	52.43	7.29	42.11	5.41
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	20	9.42	32.60	18.03	59.79	9.27	1.27	50.52	1.89
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	30	8.54	32.76	20.65	58.28	6.01	0.86	52.27	3.07
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	39	8.91	32.95	22.36		7.07	1.03	-7.07	2.85
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	50	8.97	33.21	25.60	52.86	7.04	1.02	45.81	1.35
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	70	8.05	33.27	27.31	47.97	3.69	0.66	44.28	0.87
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	100	7.83	33.67		44.38	3.42	0.56	40.96	
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	149	7.89	33.88		51.27	3.75	0.49	47.52	
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	171	7.83	33.91	33.63	49.30				
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	200	7.61	33.92	32.99	48.19				
W0409	8/31/04	4:12	7	NH-25	44.65	-124.65	284	7.01	34.01						
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	4	16.59	31.46	7.56	77.92	12.46	1.89	65.46	5.32
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	10	16.21	31.63			12.89	2.14		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	20	11.82	32.28			11.60	1.80		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	25	9.71	32.49			8.44	1.55		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	30	9.46	32.53			8.35	1.47		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	41	9.05	32.75			4.80	0.85		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	50	8.75	32.83			6.33	0.94		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	70	8.08	33.08			4.65	0.59		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	100	7.91	33.75			3.72	0.60		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	150	7.72	33.92			5.34	0.68		
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	220	7.39	33.98						
W0409	8/31/04	13:06	8	NH-35	44.65	-124.88	429	5.75	34.06						
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	3	17.98	31.38	7.98	78.92	16.02	2.32	62.90	5.49
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	9	17.96	31.39			10.90	1.67		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	20	12.77	32.24			11.93	2.12		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	26	11.50	32.33			10.69	1.96		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	30	10.15	32.40			7.69	1.32		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	40	9.06	32.52			4.55	0.79		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	50	8.81	32.70			3.66	0.50		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	70	8.42	33.00			2.63	0.35		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	100	8.08	33.43				0.28		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	150	7.86	33.86				0.27		
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	500	5.39	34.11						
W0409	8/31/04	16:30	11	NH-45	44.65	-125.12	685	4.34	34.28						
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	4	18.31	31.99	8.03	73.05	11.96	1.71	61.10	6.32
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	10	18.20	31.99			12.70	1.67		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	21	12.60	32.23			11.14	1.62		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	30	9.99	32.35			14.56	2.22		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	40	9.35	32.42			6.32	0.94		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	50	8.92	32.51			3.30	0.47		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	70	8.47	32.86				0.32		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	100	8.25	33.46			2.76	0.41		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	150	7.86	33.85			2.67	0.36		
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	814	4.14	34.33						
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	980	3.63	34.41						
W0409	8/31/04	21:45	13	NH-65	44.65	-125.6	1004	3.59	34.42						
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	3	19.32	31.79	7.56	73.71	10.76	1.34	62.94	6.22
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	10	19.26	31.80	6.60	72.68	8.52	1.17	64.16	5.41
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	20	16.17	32.14	7.52	66.17	9.25	1.28	56.92	6.13
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	30	11.78	32.34	6.44	68.68	8.90	1.23	59.78	5.11
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	41	10.87	32.40	8.69	70.32	12.99	1.79	57.33	6.22
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	50	9.65	32.43	13.37	58.61	4.98	0.81	53.62	6.20
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	70	8.83	32.66	6.77	69.09	9.08	1.26	60.00	5.20
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	100	8.19	33.17	27.27	52.00	2.51	0.29	49.49	1.98
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	150	7.79	33.69	32.55	42.58	2.51	0.28	40.07	3.01
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	289	6.52	34.00	39.40	40.90				
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	800	4.06	34.32	45.00	37.39				
W0409	9/1/04	1:11	14	NH-85	44.65	-126.05	1006	3.62	34.40	45.10	36.31				
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	3	10.47	33.04	25.82	54.94	10.65	1.83	44.29	1.48
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	5	10.28	33.16	26.52	61.25	12.93	2.14	48.32	0.08
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	10	10.19	33.17	27.18	56.71	13.26	2.14	43.45	0.76
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	11	10.18	33.17	29.69	63.23	13.57	2.31	49.66	3.07
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	15	10.08	33.16	26.73	61.51	12.96	2.07	48.55	0.13
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	20	9.32	33.21	26.98	59.23	9.72	1.64	49.51	0.12
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	25	8.60	33.27	28.64	55.94	5.75	0.99	50.19	1.45
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	30	8.34	33.32	28.63	52.72	4.74	0.66	47.98	2.25
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	40	8.20	33.51		52.22	8.01	1.09	44.21	
W0409	9/1/04	14:03	16	HH-01	44.00	-124.2	49	8.20	33.51		52.61	8.78	1.26	43.82	
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	2	15.90	32.38	11.97	85.43	37.23	5.46	48.20	6.48
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	5	15.84	32.38			31.69	4.78		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	10	13.99	32.41			19.19	3.39		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	13	12.23	32.56			14.35	2.60		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	20	9.42	32.65			6.69	1.01		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	30	8.57	33.02			3.90	0.57		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	40	8.09	33.24			4.33	0.57		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	50	8.09	33.39			3.77	0.59		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	60	8.10	33.59			4.66	0.70		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	70	8.01	33.68			6.18	0.62		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	100	8.12	33.84			9.14	1.04		
W0409	9/1/04	16:04	18	HH-02	44.00	-124.4	105	8.12	33.84			9.08	1.07		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	3	13.43	31.75	8.34	78.19	15.53	2.39	62.66	5.94
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	10	10.84	32.57			11.52	2.20		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	20	9.81	33.00			11.44	1.91		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	25	9.48	33.02			8.52	1.48		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	30	9.05	33.04			7.58	1.35		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	40	8.69	33.15			5.35	0.82		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	50	8.49	33.19			3.57	0.53		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	60	8.35	33.28			3.61	0.42		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	70	8.09	33.79			3.62	0.36		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	100	8.05	33.81			3.69	0.46		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	130	8.02	33.80			5.71	0.71		
W0409	9/1/04	18:32	20	HH-03	44.00	-124.6	144	8.02	33.84			8.30	0.91		

Cruise ID	GMT Date	GMT Time	Station #	Station Name	Lat N	Long W	Press. (db)	Temp. (°C)	Sal	TN [μM]	TOC [μM]	POC [μM]	PON [μM]	DOC [μM]	DON [μM]
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	3	17.08	32.12	7.19	74.95	11.97	1.69	62.98	5.32
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	5	16.80	32.14	6.66	75.93	10.68	1.85	65.26	4.73
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	10	14.42	32.18	8.03	72.98	11.33	1.81	61.65	5.83
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	15	10.78	32.35	11.75	67.07	9.56	1.62	57.51	6.32
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	20	9.65	32.45	13.00	61.46	4.86	0.90	56.59	4.07
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	30	9.35	32.54	15.12	59.86	5.75	0.90	54.11	2.15
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	40	8.95	32.73	18.32	65.35	2.92	0.45	62.43	2.07
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	50	8.64	32.94	21.53	53.07		0.34		0.99
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	60	8.43	33.16	23.46	52.50		0.27		0.39
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	70	8.30	33.28	26.52	50.23		0.24		1.73
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	95	8.05	33.71		56.11		0.24		
W0409	9/1/04	20:15	21	HH-04	44.00	-124.8	107	7.91	33.82	32.59	43.80	2.48	0.34	41.33	2.36
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	3	18.64	31.93	6.58	73.31	8.56	1.28	64.75	5.19
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	10	18.54	31.93	5.88	80.67	9.04	1.24	71.63	4.49
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	20	17.28	31.95	9.64	74.59	8.43	1.31	66.16	8.18
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	30	10.63	32.31	7.29	69.33	7.20	1.18	62.12	6.04
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	35	10.20	32.35	8.53	71.26	6.94	0.98	64.32	5.69
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	40	9.95	32.40	9.02	51.54	4.22	0.66	47.32	4.45
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	50	9.57	32.45		55.14	3.38	0.50	51.76	
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	71	8.48	32.98	22.15	51.76		0.28		4.60
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	100	8.11	33.41	26.96	48.57		0.19		1.91
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	151	7.65	33.83	31.23	43.64		0.22		0.97
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	498	5.38	34.06	41.27	44.95				
W0409	9/1/04	22:06	22	HH-05	44.00	-125.	927	4.07	34.35	43.39	36.39				
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	3	18.90	31.87	7.63	79.73	9.39	1.26	70.34	6.36
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	10	18.88	31.87			8.54	1.19		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	20	18.71	31.96			7.31	1.02		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	30	13.99	32.21			7.83	1.24		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	40	11.78	32.28			7.20	1.02		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	45	10.47	32.31			12.28	1.76		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	50	10.08	32.34			13.58	2.21		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	70	8.74	32.62			2.95	0.48		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	100	7.97	33.37			2.75	0.44		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	150	7.58	33.72				0.22		
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	360	6.09	34.07						
W0409	9/1/04	0:16	23	HH-07	44.00	-125.2	1005	3.65	34.42						