

050
07

School of

LIBRARY
Marine Science Laboratory
Oregon State University

OCEANOGRAPHY



OREGON STATE UNIVERSITY

**Hydrographic Chemical and
Optical Observations from
Legs 4 and 5, YALOC-71**

by

**William S. Plank
James J. Anderson
Hasong Pak**

Office of Naval Research
Contracts N00014-67-A-0369-0007
and N00014-67-A-0103-0014
National Science Foundation
Contract NSF-GA-24875-A1

Reproduction in whole or in part is
permitted for any purpose of the
United States Government

Data Report 54

Reference 73-7

May 1973

School of Oceanography
Oregon State University
Corvallis, Oregon 97331

Hydrographic, Chemical and Optical Observations
from Legs 4 and 5, YALOC-71

by

William S. Plank

James J. Anderson*

Hasong Pak

Data Report No. 54

Office of Naval Research
Contracts N00014-67-A-0369-0007
and N00014-67-A-0103-0014

National Science Foundation
Contract NSF-GA-24875-A1

Distribution of this document is unlimited

Reference 73-7
May 1973

John V. Byrne
Dean

* Dept. of Oceanography, University of Washington

TABLE OF CONTENTS

	<u>Page</u>
Abstract	v
Introduction	1
Chart of Station Locations	3
Hydrographic and Chemical Data	4
Light Scattering Data.	171
Particle Data.	315
Table for Determining Depths of Hydro- graphic Bottles.	363
References	381

ABSTRACT

Hydrographic, chemical and optical data collected on legs 4 and 5 (November and December, 1971) of YALOC-71 in the vicinity of the Panama Basin are presented. The measurements were made for two purposes--to study the behavior of the Cromwell Current near the Galapagos Islands and to study the suspended particulate matter in the Panama Basin.

INTRODUCTION

Between August 1971 and April 1972 the School of Oceanography of Oregon State University conducted a multi-purpose oceanographic cruise aboard R/V YAQUINA in the eastern equatorial and eastern South Pacific. Legs 4 and 5 of this cruise during October and November 1971 were concerned with collecting hydrographic, chemical, and optical data in the vicinity of the Panama Basin. Personnel from the Department of Oceanography at the University of Washington also participated in the cruise. They were responsible for the chemical analyses performed aboard ship.

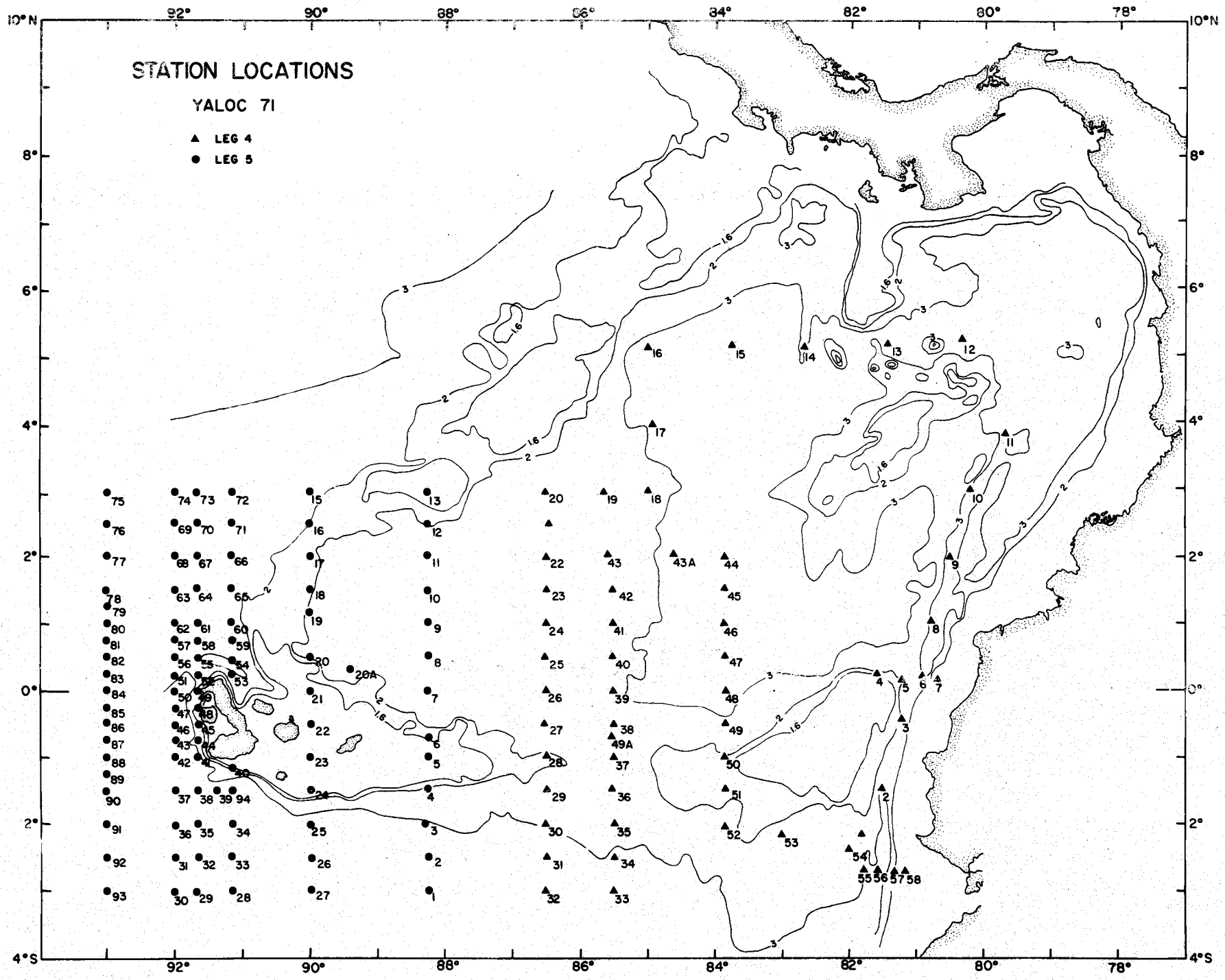
The Panama Basin, lying off the coasts of Ecuador, Columbia and Panama is surrounded on the south by the Carnegie Ridge and on the northwest by the Cocos Ridge. These two ridges meet at a point approximately 600 miles west of Guayaquil, Ecuador. The Galapagos platform is located at this point.

The Panama Basin region is interesting to the oceanographer for several reasons. In the surface layers, the area is the eastern terminus of the equatorial current system and is adjacent to some of the world's most fertile fishing grounds. Below 2500 meters the basin is completely enclosed by the Carnegie and Cocos Ridges. The circulation of the abyssal waters and the distribution and transportation of sediments within such a basin may be studied so as to gain an understanding of processes operating in the deep ocean. Knowledge gained by such studies may later be applied to the ocean as a whole.

The two primary purposes of legs 4 and 5 of YALOC-71 were to study the Cromwell Current in the vicinity of the Galapagos Islands and to study the suspended matter in the abyssal waters of the Panama Basin.

This research was supported by the Office of Naval Research through contract N00014-67-A-0369-0007 under project NR 083-102 with Oregon State University. The work performed by the University of Washington personnel was supported by the Office of Naval Research contract N-00014-67-A-0103-0014 and by the National Science Foundation contract NSF-GA-24875-A1.

3



HYDROGRAPHIC AND CHEMICAL DATA

At each of the stations shown in the chart on p.3, meteorological data was collected and hydrographic casts were made using 1350 ml. capacity NIO bottles equipped with reversing thermometers. All chemical and optical analyses were performed on this water as soon as possible after the cast.

The heading on each of the pages of data contains the following information:

LEG	The leg of the cruise
STATION	The station number
LONG } LAT }	{ Latitude and longitude of the station in degrees, minutes, and tenths of minutes
DATE	
TIME	Greenwich mean time
WIRE	The wire angle in degrees
WET } DRY }	Dry and wet bulb thermometer readings in degrees Fahrenheit
CRUISE	
WIND DIREC	The wind direction in degrees/10
VEL	The wind velocity in knots
BAR	Barometric pressure in millibars (add 900 if this number is above 50 and 1000 if below 50)
SWELL DIREC	Direction from which dominant swell approached in degrees/10
H	Swell height in feet
T	Swell period in seconds
CLOUD	Cloud type (WMO code)
AMT	Amount of cloud cover (WMO code)
WEATHER	State of present weather (WMO code)

The tables include the following data:

DEPTH	Depth in meters from which the sample was obtained
TEMP	Temperature in degrees Celsius
SAL	Salinity in parts per thousand (o/oo)
SIGMA-T	An expression for the density of seawater at atmospheric pressure at the indicated temperature and salinity (To convert sigma-t values to density, divide by 1000 and add 1; thus, sigma-t 22.42 = density 1.02242)
O2 ML/L	Dissolved oxygen in milliliters per liter determined by the Winkler method
O2 MGAT/L	Dissolved oxygen in microgram-atoms per liter determined by the micro method
AOU	Apparent oxygen utilization in microgram-atoms per liter (ugm-atoms/liter)
SATN	Percent of oxygen saturation
P04	Reactive phosphorus in microgram-atoms per liter (mg-atoms/liter)
SI04	Reactive-silicate in microgram-atoms per liter (mg-atoms/liter)
NO3	Nitrate-nitrogen in microgram-atoms per liter (mg-atoms/liter)

Nutrient samples were collected from the N10 bottles in 100 ml polyethylene bottles and run immediately on a Technicon Autoanalyzer (R). Nitrite determination followed the procedures of Hager, Gordon and Park (1968) while nitrate concentration was measured by an adaption of Wood, Armstrong, and Richards' method (1967). Samples analyzed for reactive silicate and reactive phosphorus were run according to the procedure of Strickland and Parsons (1968).

At several stations, RETS data were collected and is given in the tables beginning on page 168. RETS (Respiratory Electron Transport System) is a measure of the potential respiration rate of marine plankton; the units are

ug-at.oxy./liter/day and values vary within 30% (Packard, personal communication). The method, developed by Packard (1971), measures the rate limiting enzyme in the electron transport system in vivo. The activity of this enzyme system is proportional to the respiration rate of the plankton. The ETS data has been corrected for pressure (Morita, 1957) and temperature (Packard, 1971).

OBSERVED VALUES

W 4 1 2 11.2 S 81 47.4 W DATE 17 OCT 71 2015 GCT WIRE 00
 DRY 69.0 WET 65.2 CRUISE YALOC71 WIND DIRECTION 23 VEL 10 KTS BAR 14
 SWELL DIRECTION 22 H 03 T 07 CLOUD 6 AMT 9 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/C O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	21.96	33.297	22.96	4.97	0.444	-0.006	101	0.31	1.86	1.28	0.06
25	20.67	33.798	23.69	4.71	0.421	0.026	94	0.61	3.21	2.81	0.15
50	15.97	34.937	25.72	2.81	0.251	0.232	52	1.76	11.87	13.62	0.72
99	13.70	34.965	26.24	1.23	0.110	0.395	22	2.24	19.87	22.52	0.03
199	12.88	34.919	26.37	1.04	0.093	0.421	18	2.39	22.90	25.25	0.01
298	11.11	34.809	26.63	0.28	0.025	0.509	5	3.00	33.50	32.67	0.00
496	7.80	34.637	27.04	0.46	0.041	0.535	7	3.25	50.94	44.31	0.00
993	4.68	34.568	27.39	1.49	0.133	0.489	21	3.32	89.97	45.94	0.00
1489	3.19	34.612	27.58	1.94	0.173	0.473	27	3.26	124.54	44.47	0.00
1986	2.22	34.654	27.70	2.43	0.217	0.445	33	3.13	146.76	43.20	0.00
2507	1.62	34.669	27.74	2.96	0.264	0.405	39	3.00	150.11	40.37	0.00
2606	1.77			3.05	0.272			2.96	150.57	40.53	0.00
2706	1.77	34.676	27.75	3.08	0.275	0.395	41	2.81	149.52	40.34	0.00
2805	1.76	34.674	27.75	3.06	0.273	0.397	41	2.81	149.98	41.74	0.00
2855	1.78	34.674	27.75	3.06	0.273	0.397	41	2.78	149.69	42.43	0.00
2904	1.80	34.670	27.74	3.07	0.274	0.396	41	2.78	149.39	42.96	0.00

OBSERVED VALUES

W 4 3 0 26.3 S 81 11.3 W DATE 18 OCT 71 1408 GCT WIRE 05
 DRY 73.5 WET 70.0 CRUISE YALOC71 WIND DIRECTION 20 VEL 12 KTS BAR 14
 SWELL DIRECTION 22 H 03 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	23.57	32.464	21.87	5.00	0.447	-0.018	104	0.09	0.99	0.00	0.00
10	23.53	32.456	21.89	5.02	0.448	-0.019	104	0.18	0.94	0.00	0.00
35	14.80	35.007	26.04	2.27	0.203	0.291	41	1.87	14.75	16.63	0.13
60	14.63	35.003	26.07	2.03	0.181	0.314	37	2.07	15.85	20.56	0.06
259	12.38	34.890	26.45	0.81	0.072	0.447	14	2.64	24.83	41.41	0.00
357	5.75	34.580	27.27	1.13	0.101	0.505	17	3.45	71.09	74.88	0.00
655	3.74	34.597	27.51	1.78	0.159	0.478	25	3.44	110.17	73.60	0.00
1747	2.68	34.636	27.65	2.19	0.196	0.459	30	3.38	137.41	70.91	0.00
2244	2.03	34.666	27.72	2.67	0.238	0.427	36	3.27	148.59	66.63	0.00
2343	1.92	34.669	27.73	2.75	0.246	0.422	37	3.16	149.15	66.41	0.00
2442	1.86	34.673	27.74	2.93	0.262	0.407	39	3.11	149.02	66.63	0.00
2541	1.80	34.675	27.75	3.01	0.269	0.401	40	3.16	149.89	66.20	0.00
2591	1.80	34.676	27.75	3.01	0.269	0.401	40	3.08	149.46	66.84	0.00
2641	1.80	34.673	27.75	3.09	0.276	0.394	41	3.05	149.33	67.72	0.00
2665	1.77	34.675	27.75	3.08	0.275	0.395	41	3.04	149.91	68.38	0.00
2690	1.79	34.675	27.75	3.06	0.273	0.397	41	3.04	150.49	68.61	0.00
2715	1.78	34.676	27.75	3.08	0.275	0.395	41	3.02	149.66	68.83	0.00
2730	1.78	34.676	27.75	3.05	0.272	0.398	41	3.01	149.53	68.16	0.00

OBSERVED VALUES

W 4 4 0 15.2 N 81 34.0 W DATE 18 OCT 71 2105 GCT WIRE 10
 DRY 73.1 WET 70.8 CRUISE YALOC71 WIND DIRECTION 19 VEL 14 KTS BAR 11
 SWELL DIRECTION 20 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.12	32.356	21.63	5.00	0.447	-0.021	105	0.06	1.49	0.00	0.01
25	24.10	32.379	21.65	4.97	0.444	-0.018	104	0.15	1.26	0.00	0.01
49	14.65	34.979	26.05	2.08	0.186	0.310	37	1.98	15.85	18.31	0.14
99	13.49			1.45	0.130			2.31	19.94	23.99	0.02
198	12.90	34.922	26.37	1.46	0.130	0.383	25	2.38	21.46	25.46	0.01
297	12.08	34.866	26.49	0.73	0.065	0.458	12	2.72	26.91	32.11	0.02
1680	2.81	34.628	27.63	2.14	0.191	0.461	29	3.35	134.56	44.55	0.00
1779	2.59			2.19	0.196			3.33	140.28	44.56	0.00
1829	2.49	34.642	27.67	2.21	0.197	0.460	30	3.30	142.51	45.02	0.00
1878	2.45	34.639	27.67	2.25	0.201	0.458	31	3.30	145.55	45.02	0.00
1927	2.38	34.643	27.68	2.35	0.210	0.450	32	3.30	149.52	44.80	0.00
1952	2.33	34.647	27.68	2.34	0.209	0.452	32	3.28	149.90	44.80	0.00
1977	2.33	34.645	27.68	2.43	0.217	0.444	33	3.25	151.05	45.27	0.00
2002	2.24	34.650	27.69	2.39	0.213	0.449	32	3.25	151.46	45.75	0.00
2026	2.25	34.651	27.69	2.42	0.216	0.446	33	3.24	151.87	45.99	0.00
2051	2.21	34.652	27.70	2.43	0.217	0.446	33	3.23	152.30	46.49	0.00
2056	2.22	34.653	27.70	2.35	0.210	0.453	32	3.21	151.92	46.74	0.00

OBSERVED VALUES

W 4 6 00 11.8 N 080 53.8 W DATE 19 OCT 71 0705 GCT WIRE 8
 DRY 73.3 WET 70.2 CRUISE YALOC71 WIND DIRECTION 21 VEL 16 KTS BAR 13
 SWELL DIRECTION 20 H 02 T 06 CLOUD AMT WEATHER

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
201	12.68	34.904	26.40	1.13	0.101	0.415	20	2.14	22.90	29.67	0.00
250	12.48	34.887	26.43	0.95	0.085	0.434	16	2.27	24.26	30.91	0.00
349	9.77	34.733	26.80	0.32	0.029	0.522	5	2.77	38.93	38.23	0.00
399	9.38	34.715	26.85	0.32	0.029	0.527	5	2.84	40.68	39.00	0.00
424	9.17	34.706	26.88	0.32	0.029	0.530	5	2.87	42.08	39.26	0.00
449	8.68	34.680	26.94	0.32	0.029	0.536	5	2.96	45.45	40.10	0.00
747	5.70	34.577	27.28	1.07	0.096	0.511	16	3.08	73.08	42.61	0.00
896	5.09	34.572	27.35	1.31	0.117	0.499	19	3.05	81.84	42.27	0.00
1243	3.96	34.588	27.48	1.62	0.145	0.489	23	3.06	105.62	41.93	0.00
2137	2.15	34.659	27.71	2.41	0.215	0.448	32	2.86	149.89	39.53	0.00
2633	2.00	34.666	27.73	2.61	0.233	0.433	35	2.80	150.52	38.99	0.00
3213	1.84	34.675	27.75	2.91	0.260	0.409	39	2.72	149.80	38.72	0.00
3412	1.90	34.676	27.74	2.92	0.261	0.407	39	2.70	149.75	38.22	0.00
3511	1.90	34.675	27.74	2.93	0.262	0.406	39	2.74	149.71	38.22	0.00
3561	1.92	34.675	27.74	3.00	0.268	0.400	40	2.70	149.00	38.22	0.00
3610	1.97	34.675	27.74	2.93	0.262	0.406	39	2.70	148.95	38.22	0.00
3635	1.90	34.675	27.74	2.94	0.263	0.405	39	2.67	149.57	38.22	0.00
3660	1.92	34.675	27.74	3.02	0.270	0.398	40	2.69	148.86	38.22	0.00
3685	1.93	34.675	27.74	3.01	0.269	0.399	40	2.68	148.81	38.22	0.00
3700	1.94	34.662	27.73	3.02	0.270	0.398	40	2.69	149.43	38.22	0.00

OBSERVED VALUES

W 4 7 00 10.0 N 080 40.0 W DATE 19 OCT 71 1030 GCT WIRE 19
 DRY 72.2 WET 70.0 CRUISE YALOC71 WIND DIRECTION 20 VFL 14 KTS BAR 12
 SWELL DIRECTION 20 H 03 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	23.78	32.389	21.76	4.97	0.444	-0.016	104	0.09	0.93	0.00	0.00
25	23.82	32.389	21.74	4.96	0.443	-0.016	104	0.07	0.84	0.00	0.00
50	14.58	34.988	26.07	1.97	0.176	0.320	35	1.78	15.72	23.38	0.08
100	13.71	34.956	26.23	1.47	0.131	0.374	26	1.94	18.80	26.88	0.01
199	12.50	34.914	26.38	1.14	0.102	0.413	20	2.13	22.34	29.39	0.00
249	12.57	34.896	26.42	1.01	0.090	0.427	17	2.19	23.44	30.34	0.00
274	12.51	34.893	26.43	0.97	0.087	0.431	17	2.25	24.04	30.62	0.00
299	11.78	34.854	26.54	0.73	0.065	0.451	12	2.41	28.21	32.79	0.00
499	7.99	34.643	27.02	0.49	0.044	0.530	8	3.02	49.38	41.15	0.00
747	5.68	34.576	27.28	1.13	0.101	0.506	17	3.14	74.53	42.47	0.00
1046	4.34	34.580	27.44	1.60	0.143	0.485	23	3.15	98.17	42.13	0.00
1146	3.87	34.590	27.50	1.75	0.156	0.479	25	3.11	108.73	42.13	0.00
1246	3.74	34.592	27.51	1.82	0.163	0.475	26	3.09	113.30	41.79	0.00
1345	3.47	34.600	27.54	1.81	0.162	0.480	25	3.08	120.37	42.13	0.00
1395	3.30							3.08	123.04	41.79	0.00
1445	3.33	34.604	27.56	1.81	0.162	0.482	25				

OBSERVED VALUES

W 4 R 01 01.0 N 080 46.0 W DATE 19 OCT 71 1935 GCT WIRE 05
 DRY 76.5 WET 73.0 CRUISE YALOC71 WIND DIRECTION 20 VEL 16 KTS BAR 13
 SWELL DIRECTION 20 H 03 T 06 CLOUD 8 AMT 6 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.60	31.110	20.25	4.93	0.440	-0.022	105	0.03	0.62	0.00	0.00
25	24.85	31.674	20.90	5.00	0.447	-0.024	106	0.06	0.06	0.00	0.00
50	14.20	34.975	26.14	1.62	0.145	0.355	29	1.93	17.62	24.72	0.04
100	13.54	34.951	26.26	1.34	0.120	0.387	24	2.06	20.01	26.96	0.01
200	12.86	34.917	26.38	1.17	0.104	0.410	20	2.12	21.97	28.48	0.00
250	12.51	34.893	26.43	0.75	0.067	0.451	13	2.31	24.32	30.88	0.00
275	12.26	34.881	26.47	0.56	0.050	0.471	10	2.39	26.10	32.11	0.00
300	11.43	34.826	26.58	0.24	0.021	0.509	4	2.60	30.78	34.76	0.00
500	8.25	34.658	26.99	0.38	0.034	0.536	6	3.05	48.37	40.51	0.00
1000	4.55	34.578	27.41	1.43	0.128	0.497	20	3.15	93.33	41.76	0.00
1780	2.62	34.639	27.65	2.14	0.191	0.465	29	3.01	141.76	40.21	0.00
2027	2.27	34.653	27.69	2.35	0.210	0.452	32	2.94	149.52	39.64	0.00
2126	2.26	34.655	27.70	2.43	0.217	0.445	33	2.92	150.17	39.36	0.00
2224	2.16	34.657	27.71	2.45	0.219	0.445	33	2.91	152.98	39.09	0.00
2323	2.11	34.658	27.71	2.56	0.229	0.436	34	3.05	154.41	39.92	0.00
2373	2.13	34.662	27.71	2.42	0.216	0.448	33	2.89	155.11	39.36	0.00
2422	2.08	34.662	27.72	2.50	0.223	0.442	34	2.93	155.83	39.09	0.00
2472	2.06	34.662	27.72	2.48	0.221	0.444	33	2.88	155.79	39.09	0.00
2496	2.06	34.664	27.72	2.48	0.221	0.444	33	2.88	155.74	39.09	0.00
2511	2.06	34.665	27.72	2.45	0.219	0.446	33	2.88	155.70	38.83	0.00

OBSERVED VALUES

4 9 02 00.2 N 080 28.1 W DATE 20 OCT 71 0355 GCT WIRE 00
 DRY 76.0 WET 73.5 CRUISE YALOC71 WIND DIRECTION 20 VEL 14 KTS BAR 13
 SWELL DIRECTION 20 H 03 T 05 CLOUD 6 AMT 3 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NOZ UGAT/L
0	25.69	31.263	20.34	4.87	0.435	-0.017	104	0.06	0.39	0.02	0.01
25	25.71	31.293	20.36	4.88	0.434	-0.018	104	0.06	0.42	0.01	0.01
50	14.80	34.958	26.00	2.98	0.266	0.228	54	1.89	12.71	22.64	0.16
100	13.54	34.946	26.26	1.22	0.109	0.398	21	2.23	20.14	29.41	0.01
200	12.79	34.907	26.38	1.24	0.111	0.404	22	2.31	21.98	29.94	0.01
250	12.28	34.873	26.46	0.64	0.057	0.463	11	2.52	25.45	33.29	0.01
275	12.08	34.859	26.48	0.42	0.038	0.485	7	2.65	27.56	35.14	0.01
300	11.44	34.800	26.56	0.33	0.029	0.501	6	2.81	30.76	36.39	0.00
499	7.77	34.629	27.04	0.67	0.060	0.517	10	3.37	51.23	42.99	0.00
998	4.69	34.571	27.39	1.38	0.123	0.499	20	3.43	90.04	43.72	0.00
1498	3.01	34.620	27.60	1.87	0.167	0.482	26	3.35	129.98	42.30	0.00
2496	2.03	34.661	27.72	2.48	0.221	0.444	33	3.14	153.36	40.13	0.00
3494	2.00	34.663	27.72	2.84	0.254	0.413	38	3.07	151.20	39.85	0.00
3844	2.02	34.658	27.72	2.76	0.247	0.419	37	3.09	151.16	39.85	0.00
3894	2.04	34.666	27.72	2.83	0.253	0.413	38	3.12	151.12	39.86	0.00
3993	2.07	34.667	27.72	2.93	0.262	0.403	39	3.05	151.08	39.86	0.00
4093	2.07	34.667	27.72	2.82	0.252	0.413	38	3.06	151.04	39.86	0.00
4143	2.07	34.663	27.72	2.82	0.252	0.413	38	3.05	150.99	39.86	0.00
4193	2.06	34.666	27.72	2.84	0.254	0.412	38	3.06	150.95	39.87	0.00
4228	2.08	34.668	27.72	2.93	0.262	0.403	39	3.06	150.91	39.87	0.00

OBSERVED VALUES

W 4 10 03 00.0 N 080 10.0 W DATE 20 OCT 71 1345 GCT WIRE 01
 DRY 77.9 WET 74.8 CRUISE YALOC71 WIND DIRECTION 21 VEL 14 KTS BAR 12
 SWELL DIRECTION 20 H 03 T 08 CLOUD 6 AMT 6 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.29	31.352	20.27	4.80	0.429	-0.015	104	0.09	0.69	0.02	0.02
25	26.33	31.423	20.26	4.78	0.427	-0.014	103	0.10	0.58	0.04	0.02
50	17.15	34.584	25.18	3.00	0.268	0.205	57	1.42	4.31	15.94	0.01
100	13.86	34.945	26.19	0.96	0.086	0.418	17	2.13	19.37	28.63	0.00
200	12.79	34.898	26.37	1.20	0.107	0.408	21	2.15	21.91	28.63	0.00
250	11.95	34.837	26.49	0.46	0.041	0.483	8	2.42	26.90	32.85	0.00
275	11.38	34.804	26.57	0.38	0.034	0.497	6	2.54	29.87	33.92	0.00
300	11.07	34.789	26.62	0.31	0.028	0.507	5	2.62	32.02	34.89	0.00
500	8.24	34.647	26.98	0.24	0.021	0.549	4	3.13	49.95	39.65	0.00
1000	4.56	34.575	27.41	1.27	0.113	0.511	18	3.21	94.75	41.83	0.00
1184	3.97	34.588	27.48	1.39	0.124	0.509	20	3.19	108.25	41.83	0.00
1433	3.22	34.614	27.58	1.72	0.154	0.492	24	3.13	126.13	41.17	0.00
1533	3.05	34.621	27.60	1.82	0.163	0.486	25	3.11	131.04	40.85	0.00
1632	2.80	34.628	27.63	1.94	0.173	0.479	27	3.08	135.79	40.54	0.00
1732	2.61	34.637	27.65	2.04	0.182	0.474	28	3.06	140.31	39.94	0.00
1781	2.53	34.642	27.66	2.09	0.187	0.471	28	3.01	142.67	39.65	0.00
1831	2.35	34.646	27.68	2.07	0.185	0.475	28	2.99	145.76	39.65	0.00
1881	2.37	34.648	27.68	2.17	0.194	0.466	29	2.99	145.72	39.65	0.00
1906	2.36	34.646	27.68	2.17	0.194	0.466	29	2.98	145.68	39.65	0.00
1921	2.35	34.648	27.68	2.17	0.194	0.465	29				

OBSERVED VALUES

W 4 11 03 50.0 N 079 40.2 W DATE 20 OCT 71 2213 GCT WIRE 07
 DRY 76.3 WET 74.0 CRUISE YALOC71 WIND DIRECTION 28 VEL 10 KTS BAR 11
 SWELL DIRECTION 21 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ADU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.32	30.346	19.46	4.88	0.436	-0.020	105	0.04	0.87	0.02	0.01
25	26.42	31.162	20.04	4.92	0.439	-0.026	106	0.10	0.62	0.01	0.01
50	18.16	34.298	24.71	2.63	0.235	0.230	50	1.50	10.02	17.40	0.35
100	14.86	34.970	26.00	1.70	0.152	0.342	31	1.94	15.46	25.09	0.06
200	13.04	34.912	26.34	0.65	0.058	0.454	11	2.38	21.88	31.60	0.01
250	12.21	34.861	26.46	0.63	0.056	0.465	11	2.47	24.91	32.75	0.01
275	11.59	34.821	26.55	0.47	0.042	0.487	8	2.62	27.56	34.22	0.00
300	11.16	34.790	26.60	0.40	0.036	0.498	7	2.66	29.44	34.80	0.00
500	8.06	34.647	27.01	0.22	0.020	0.553	3	3.26	49.49	40.46	0.00
1000	4.67	34.584	27.40	1.27	0.113	0.509	18	3.35	89.16	42.81	0.00
3182	1.98	34.673	27.73	2.68	0.239	0.427	36	2.95	145.72	39.02	0.00
3430	1.98	34.676	27.74	2.73	0.244	0.423	37	2.93	146.29	38.75	0.00
3530	2.01	34.674	27.73	2.75	0.246	0.420	37	2.92	146.24	38.75	0.00
3630	2.02	34.674	27.73	2.75	0.246	0.420	37	2.93	146.20	38.75	0.00
3729	2.03	34.674	27.73	2.75	0.246	0.420	37	2.96	146.16	38.75	0.00
3779	2.06	34.675	27.73	2.79	0.249	0.416	37	2.91	146.12	38.76	0.00
3829	2.00	34.679	27.74	2.79	0.249	0.417	37	2.91	146.07	38.76	0.00
3879	2.05	34.677	27.73	2.76	0.247	0.419	37	2.91	146.03	38.76	0.00
3903	2.04	34.676	27.73	2.76	0.247	0.419	37	2.90	145.99	38.76	0.00
3918	2.05	34.677	27.73	2.77	0.247	0.418	37				

OBSERVED VALUES

W 4 12 05 15.0 N 080 18.3 W DATE 21 OCT 71 1230 GCT WIRE 01
 DRY 76.6 WET 75.4 CRUISE YALOC71 WIND DIRECTION 22 VEL 14 KTS BAR 12
 SWELL DIRECTION 21 H 03 T 08 CLOUD 9 AMT 2 WEATHER 03

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.83	27.880	17.45	4.88	0.436	-0.017	104	0.01	5.72		0.01
25	24.56	32.002	21.23	4.44	0.397	0.027	94	0.42	2.48	3.26	0.08
50	17.98	34.738	25.10	2.11	0.188	0.277	40	1.70	10.50	20.35	0.40
100	14.61	34.948	26.04	1.30	0.116	0.380	23	1.98	16.43	27.23	0.02
200	13.25	34.909	26.29	0.77	0.069	0.441	13	2.19	20.46	30.83	0.00
250	12.38	34.854	26.42	0.39	0.035	0.485	7	2.44	24.64	33.21	0.03
275	11.74	34.823	26.52	0.26	0.023	0.504	4	2.51	28.01	34.93	0.00
300	11.01	34.756	26.60					2.51	31.90	35.02	0.32
500	7.84	34.624	27.02	0.24	0.021	0.555	4	2.83	51.61	40.56	0.03
1500	3.06	34.613	27.59	0.23	0.021	0.628	3	3.01	126.31	41.55	0.00
2867	1.96	34.660	27.72	2.54	0.227	0.440	34	2.77	150.35	39.15	0.00
3016	1.95	34.660	27.73	2.62	0.234	0.433	35	2.44	150.31	38.60	0.02
3116	1.99	34.658	27.72	2.65	0.237	0.430	36	2.25	150.27	37.84	0.01
3315	2.00	30.662	24.53	2.62	0.234	0.452	34	2.34	150.24	37.82	0.04
3414	2.00	34.660	27.72	2.65	0.237	0.430	36	2.39	150.20	37.59	0.02
3464	2.03	34.661	27.72	2.66	0.238	0.428	36	2.40	150.84	37.82	0.04
3514	2.01	34.662	27.72	2.66	0.238	0.429	36	2.66	150.80	38.38	0.00
3563	2.03	34.658	27.72	2.66	0.238	0.428	36	2.77	150.76	38.91	0.00
3588	2.03	34.660	27.72	2.66	0.238	0.428	36	2.77	150.72	38.91	0.00
3603	2.03	34.657	27.72	2.63	0.235	0.431	35	2.75	150.69	38.65	0.00

OBSERVED VALUES

W 4 13 05 09.0 N 081 23.8 W DATE 21 OCT 71 2302 GCT WIRE 04
 DRY 77.5 WET 75.3 CRUISE YALOC71 WIND DIRECTION 27 VEL 12 KTS BAR 12
 SWELL DIRECTION 23 H 03 T 06 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.27	28.551	18.13	4.93	0.440	-0.019	105	0.02	2.17	0.00	0.00
25	24.18	33.114	22.19	4.33	0.387	0.036	91	0.52	2.50	4.13	0.10
50	19.89	34.631	24.53	3.11	0.278	0.172	62	1.26	7.29	14.07	0.64
100	14.33	34.942	26.09	1.25	0.112	0.387	22	2.08	17.09	27.94	0.02
200	13.12	34.917	26.32	0.97	0.087	0.425	17	2.21	20.82	30.39	0.00
250	12.40	34.866	26.43	0.48	0.043	0.476	8	2.44	24.80	33.55	0.00
275	11.55	34.815	26.55	0.31	0.028	0.501	5	2.57	29.05	35.07	0.00
300	11.03	34.788	26.62	0.32	0.029	0.507	5	2.67	31.45	35.07	0.00
500	7.66	34.625	27.05	0.29	0.026	0.553	4	3.06	52.00	40.73	0.00

OBSERVED VALUES

W 4 14 05 09.3 N 082 38.9 W DATE 22 OCT 71 1350 GCT WIRE 02
 DRY 77.6 WET 75.8 CRUISE YALOC71 WIND DIRECTION 22 VEL 14 KTS BAR 12
 SWELL DIRECTION 25 H 03 T 08 CLOUD AMT 0 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.10	32.166	20.89	4.76	0.425	-0.013	103	0.21	0.78	0.41	0.03
25	26.17	32.213	20.91	4.76	0.425	-0.013	103	0.24	0.67	0.43	0.03
50	20.86	34.415	24.11	3.40	0.304	0.139	69	1.10	6.52	11.80	0.35
100	14.40	34.896	26.04	0.73	0.065	0.433	13	2.19	18.31	29.87	0.03
200	12.84	34.859	26.33	0.63	0.056	0.458	11	2.35	22.82	32.22	0.02
250	12.10	34.772	26.41	0.31	0.028	0.495	5	2.56	26.00	32.88	0.01
275	11.60	34.775	26.51	0.30	0.027	0.502	5	2.47	28.28	32.52	0.37
300	11.13	34.739	26.57	0.24	0.021	0.513	4	3.71	30.88	34.48	0.01
500	7.88	34.599	27.00	0.16	0.014	0.561	2	3.20	53.32	39.47	0.01
1000	4.60	34.550	27.39	1.15	0.103	0.521	16	3.22	93.19	42.89	0.01
1729	2.67	34.604	27.62	1.93	0.172	0.483	26	3.06	137.77	40.92	0.00
1977	2.22	34.627	27.68	2.20	0.196	0.466	30	2.94	148.85	39.74	0.00
2076	2.15	34.631	27.69	2.29	0.205	0.459	31	2.91		39.19	0.00
2175	2.13	34.636	27.69	2.33	0.208	0.456	31	2.97	151.10	39.45	0.00
2274	2.11	34.633	27.69	2.33	0.208	0.456	31	2.91	151.86	38.39	0.00
2324	2.11	34.638	27.69	2.34	0.209	0.455	31	2.84	152.63	38.39	0.00
2374	2.05	34.637	27.70	2.37	0.212	0.454	32	2.94	153.41	39.17	0.00
2423	2.07	34.638	27.70	2.37	0.212	0.453	32	2.97	154.20	39.16	0.00
2448	2.05	34.640	27.70	2.39	0.213	0.452	32	2.96	154.16	38.89	0.00
2463	2.06	34.638	27.70	2.41	0.215	0.450	32	2.92	154.96	38.88	0.00

OBSERVED VALUES

W 4 15 05 09.6 N 083 43.0 W DATE 23 OCT 71 0145 GCT WIRE 06
 DRY 78.5 WET 76.0 CRUISE YALOC71 WIND DIRECTION 22 VEL 18 KTS BAR 10
 SWELL DIRECTION 22 H 03 T 08 CLOUD 7 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AQU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.15	32.277	20.96	4.78	0.427	-0.015	104	0.21	0.79	0.57	0.03
25	26.22	32.531	21.13	4.78	0.427	-0.016	104	0.24	0.77	0.94	0.04
50	18.25	34.865	25.13	2.58	0.230	0.232	50	1.49	9.60	18.31	0.82
100	14.16	34.951	26.13	1.13	0.101	0.400	20	2.08	17.74	29.01	0.02
200	12.84	34.898	26.36	0.99	0.088	0.426	17	2.17	21.42	31.09	0.01
250	12.20	34.847	26.45	0.52	0.046	0.475	9	2.34	24.73	33.70	0.01
275	11.92	34.832	26.49	0.32	0.029	0.496	5	2.43	26.55	34.64	0.01
300	11.59	34.822	26.55	0.26	0.023	0.505	4	2.50	28.64	35.46	0.00
500	7.75	34.629	27.04	0.22	0.020	0.558	3	3.00	52.92	40.92	0.00
1000	4.62	34.653	27.47	1.23	0.110	0.513	18	3.04	91.19	43.64	0.00

OBSERVED VALUES

W 4 16 05 09.7 N 085 00.0 W DATE 23 OCT 71 1700 GCT WIRE 07
 DRY 74.4 WET 74.4 CRUISE YALOC71 WIND DIRECTION 22 VEL 16 KTS BAR 11
 SWELL DIRECTION 22 H C4 T 08 CLOUD AMT WEATHER 00

DEPTH	TFMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	26.28	32.963	21.43	4.73	0.422	-0.013	103	0.44	1.53	2.44	0.07
25	26.31	32.992	21.45	4.70	0.420	-0.011	103	0.48	1.45	2.61	0.08
50	17.39	34.703	25.21	1.48	0.132	0.339	28	2.13	12.94	22.75	0.89
100	14.22	34.947	26.12	1.20	0.107	0.393	21	2.24	17.24	27.09	0.02
200	13.01	34.893	26.33	0.54	0.048	0.464	9	2.56	22.04	31.23	0.00
250	12.22	34.834	26.44	0.39	0.035	0.487	7	2.72	25.45	32.73	0.00
275	11.53	34.791	26.53	0.42	0.038	0.492	7	2.75	28.40	33.09	0.00
300	11.14	34.763	26.58	0.47	0.042	0.492	8	2.79	29.70	32.91	0.00
500	7.82	34.622	27.02	0.16	0.014	0.562	2	3.36	52.72	39.85	0.00
1000	4.66	34.575	27.40	1.04	0.093	0.530	15	3.40	92.97	42.95	0.00
1940	2.36	34.642	27.68	2.16	0.193	0.467	29	3.18	144.71	39.55	0.00
2189	2.13	34.645	27.70	2.29	0.205	0.460	31	3.10	148.80	38.97	0.00
2288	2.13	34.659	27.71	2.32	0.207	0.457	31	3.12	150.94	38.69	0.00
2388	2.08	34.660	27.71	2.34	0.209	0.456	31	3.11	152.40	38.69	0.00
2487	2.07	34.659	27.71	2.37	0.212	0.453	32	3.05	152.39	38.69	0.00
2537	2.08	34.659	27.71	2.38	0.213	0.452	32	3.02	153.12	38.70	0.00
2586	2.05	34.662	27.72	2.37	0.212	0.454	32	3.02	153.11	38.70	0.00
2636	2.05	34.663	27.72	2.38	0.213	0.453	32	3.02	153.85	38.70	0.00
2661	2.04	34.662	27.72	2.40	0.214	0.451	32	3.07	153.84	38.71	0.00
2676	2.04	34.663	27.72	2.40	0.214	0.451	32	3.08	154.59	38.71	0.00

OBSERVED VALUES

W 4 17 03 59.9 N 084 57.1 W DATE 24 OCT 71 0259 GCT WIRE 03
 DRY 77.5 WET 74.8 CRUISE YALOC71 WIND DIRECTION 22 VEL 15 KTS BAR 13
 SWELL DIRECTION 22 H 03 T 05 CLOUD 7 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.84	33.063	21.65	4.78	0.427	-0.015	104	0.37	1.05	2.06	0.06
25	25.85	33.064	21.64	4.80	0.429	-0.017	104	0.40	1.04	2.09	0.06
50	18.85	34.651	24.81	2.42	0.216	0.242	47	1.65	9.97	17.64	0.83
100	14.62	34.945	26.03	1.62	0.145	0.351	29	2.04	16.34	25.56	0.02
200	12.96	34.903	26.34	0.86	0.077	0.436	15	2.37	21.81	30.32	0.00
250	12.49	34.870	26.41	0.59	0.053	0.466	10	2.51	24.01	31.83	0.00
275	12.18	34.862	26.47	0.44	0.039	0.482	8	2.61	26.08	32.67	0.00
300	11.73	34.829	26.53	0.31	0.028	0.499	5	2.71	28.88	33.93	0.00
500	7.68	34.622	27.04	0.41	0.037	0.542	6	3.21	51.10	40.44	0.00
1000	4.61	34.572	27.40	1.43	0.128	0.496	20	3.21	91.10	41.42	0.00
2337	2.07	34.657	27.71	2.42	0.216	0.449	32	2.99	154.30	38.69	0.00
2586	2.01	34.663	27.72	2.48	0.221	0.445	33	3.00	155.88	38.43	0.00
2625	2.03	34.663	27.72	2.51	0.224	0.442	34	3.00	155.87	38.43	0.00
2785	2.04	34.664	27.72	2.51	0.224	0.441	34	3.00	155.86	38.43	0.00
2884	2.05	34.662	27.72	2.51	0.224	0.441	34	3.00	155.84	38.44	0.00
2934	2.08	34.663	27.72	2.51	0.224	0.441	34	2.92	155.83	38.18	0.00
2984	2.05	34.664	27.72	2.50	0.223	0.442	34	2.95	155.82	38.18	0.00
3034	2.07	34.664	27.72	2.51	0.224	0.441	34	2.93	155.81	38.18	0.00
3058	2.06	34.662	27.72	2.51	0.224	0.441	34	2.93	155.80	38.19	0.00
3073	2.07	34.665	27.72	2.51	0.224	0.441	34	2.93	156.60	38.19	0.00

OBSERVED VALUES

W 4 18 03 00.0 N 084 59.3 W DATE 24 OCT 71 1400 GCT WIRE 02
 DRY 75.6 WET 72.8 CRUISE YALOC71 WIND DIRECTION 20 VEL 10 KTS BAR 13
 SWELL DIRECTION 22 H 03 T 08 CLOUD 6 AMT 8 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.65	33.321	21.90	4.77	0.426	-0.014	103	0.29	1.16	1.05	0.03
25	25.67	33.320	21.89	4.77	0.426	-0.014	103	0.26	1.12	1.11	0.03
50	20.21	34.429	24.29	3.03	0.271	0.178	50	1.18	7.90	14.27	0.29
100	14.51	34.937	26.05	1.37	0.122	0.375	25	1.94	16.75	26.65	0.02
200	13.09	34.897	26.31	0.65	0.058	0.454	11	2.26	22.11	31.31	0.00
250	12.58	34.860	26.39	0.54	0.048	0.469	9	2.36	23.78	32.42	0.00
275	12.03	34.831	26.47	0.32	0.029	0.495	5	2.47	26.86	33.99	0.00
300	11.55	34.803	26.54	0.26	0.023	0.506	4	2.54	29.55	34.76	0.00
500	7.98	34.621	27.00	0.36	0.032	0.542	6	2.95	48.55	40.57	0.00
1500	3.04	34.604	27.59	1.78	0.159	0.490	25	2.95	128.86	41.20	0.00
2263	2.08	34.648	27.71	2.37	0.212	0.453	32	2.76	153.67	39.70	0.00
2512	2.02	34.651	27.71	2.45	0.219	0.447	33	2.77	154.41	39.16	0.00
2612	2.05	34.652	27.71	2.48	0.221	0.444	33	2.78	155.17	39.17	0.00
2712	2.04	34.652	27.71	2.45	0.219	0.447	33	2.78	155.13	39.18	0.00
2811	2.04	34.652	27.71	2.48	0.221	0.444	33	2.81	155.90	39.19	0.00
2861	2.07	34.652	27.71	2.49	0.222	0.443	33	2.77	155.86	39.20	0.00
2901	2.04	34.654	27.71	2.48	0.221	0.444	33	2.75	155.83	38.68	0.00
2961	2.06	34.654	27.71	2.48	0.221	0.444	33	2.77	155.79	38.69	0.00
2986	2.05	34.655	27.71	2.48	0.221	0.444	33	2.76	155.75	38.70	0.00
3001	2.07	34.654	27.71	2.48	0.221	0.444	33	2.79	156.53	38.71	0.00

OBSERVED VALUES

W 4 19 03 00.1 N 085 39.5 W DATE 24 OCT 71 2020 GCT WIRE 03
 DRY 78.8 WET 75.0 CRUISE YALOC71 WIND DIRECTION 19 VEL 12 KTS BAR 13
 SWELL DIRECTION 22 H 03 T 08 CLOUD 6 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.88	33.404	21.89	4.78	0.427	-0.016	104	0.40	1.00	1.48	0.04
25	25.63	33.396	21.96	4.81	0.430	-0.017	104	0.41	0.95	1.41	0.04
50	17.55	34.891	25.32	2.47	0.221	0.248	47	1.72	10.58	18.53	0.81
100	14.63	34.955	26.04	1.46	0.130	0.365	26	2.06	16.42	25.50	0.03
200	13.03	34.906	26.33	0.67	0.060	0.453	12	2.39	22.38	31.03	0.00
250	12.30	34.866	26.45	0.41	0.037	0.484	7	2.51	25.77	32.62	0.00
275	11.60	34.821	26.54	0.31	0.028	0.501	5	2.63	29.68	34.04	0.00
300	11.02	34.781	26.62	0.35	0.031	0.504	6	2.67	31.77	34.42	0.00
500	8.17	34.646	26.99	0.31	0.028	0.544	5	3.07	49.06	39.54	0.00
1000	4.67	34.568	27.39	1.43	0.128	0.495	21	3.13	90.62	41.37	0.00
2254	2.16	34.660	27.71	2.43	0.217	0.446	33	2.88	154.16	38.72	0.00
2503	2.07	34.654	27.72	2.50	0.223	0.442	34	2.86	155.69	38.47	0.00
2603	2.05	34.656	27.72	2.49	0.222	0.443	33	2.86	155.64	38.21	0.00
2702	2.04	34.657	27.72	2.51	0.224	0.441	34	2.86	155.59	38.48	0.00
2802	2.05	34.662	27.72	2.52	0.225	0.440	34	2.86	155.54	38.48	0.00
2851	2.02	34.659	27.73	2.53	0.226	0.440	34	2.83	155.49	38.49	0.00
2901	2.05	34.668	27.72	2.52	0.225	0.440	34	2.84	155.45	38.50	0.00
2951	2.07	34.654	27.72	2.53	0.226	0.439	34	2.81	155.40	38.50	0.00
2976	2.06	34.656	27.71	2.51	0.224	0.441	34	2.80	156.15	38.51	0.00
2991	2.07	34.662	27.72	2.51	0.224	0.441	34	2.83	156.10	38.51	0.00

OBSERVED VALUES

W 4 20 02 59.8 N 086 30.0 W DATE 25 OCT 71 0330 GCT WIRE 02
 DRY 75.8 WET 71.8 CRUISE YALOC71 WIND DIRECTION 22 VEL 12 KTS BAR 14
 SWELL DIRECTION 22 H 03 T 05 CLOUD 8 AMT 3 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.64	33.366	21.94	4.80	0.429	-0.016	104	0.26	0.93	0.87	0.03
25	25.63	33.362	21.94	4.78	0.427	-0.014	104	0.27	0.90	0.93	0.03
50	16.16	34.962	25.70	2.35	0.210	0.271	44	1.62	12.06	19.74	0.32
75	15.20	35.002	25.95	2.09	0.187	0.303	38	1.74	13.54	21.55	0.29
100	14.91	34.998	26.01	2.10	0.188	0.305	38	1.79	14.01	21.77	0.29
150	14.01	34.957	26.17	1.68	0.150	0.352	30	1.96	16.52	25.14	0.01
200	13.18	34.909	26.30	0.87	0.078	0.433	15	2.22	20.73	29.99	0.00
250	12.23	34.845	26.44	0.33	0.029	0.492	6	2.46	25.25	33.40	0.00
300	10.85	34.767	26.64	0.28	0.025	0.512	5	2.62	31.81	35.30	0.00
400	8.92	34.670	26.89	0.24	0.021	0.540	4	2.93	42.80	39.07	0.00
600	6.59	34.580	27.16	0.78	0.070	0.524	12	3.05	59.70	41.78	0.00
1069	4.47	34.563	27.41	1.43	0.128	0.498	20	3.08	92.34	41.46	0.00
1567	2.89	34.611	27.61	1.89	0.169	0.482	26	2.96	131.19	40.22	0.00
2064	2.20	34.642	27.69	2.27	0.203	0.460	31	2.86	148.45	39.64	0.00
2313	2.09	34.650	27.71	2.35	0.210	0.455	32	2.84	152.06	39.36	0.00
2512	2.05	34.650	27.71	2.42	0.216	0.449	32	2.84	153.55	39.09	0.00
2611	2.05	34.649	27.71	2.41	0.215	0.450	32	2.82	154.28	39.10	0.00
2711	2.05	34.651	27.71	2.43	0.217	0.448	33	2.82	155.03	39.10	0.00
2761	2.04	34.654	27.71	2.44	0.218	0.448	33	2.76	158.23	39.10	0.00
2800	2.05	34.657	27.71	2.44	0.218	0.447	33	2.78	154.96	38.84	0.00

OBSERVED VALUES

W 4 21 02 30.9 N 086 26.9 W DATE 25 OCT 71 0930 GCT WIRE 04
 DRY 74.0 WET 70.0 CRUISE YALOC71 WIND DIRECTION 19 VFL 10 KTS BAR 12
 SWELL DIRECTION 22 H 03 T 08 CLOUD 8 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.44			4.78	0.427			0.32	0.94	1.28	0.03
25	25.46			4.78	0.427			0.32	0.82	1.29	0.03
50	15.39			2.18	0.195			1.75	13.12	22.02	0.21
75	14.71			2.11	0.188			1.79	14.20	22.78	0.13
100	14.36			2.06	0.184			1.82	15.12	23.50	0.04
150	13.64			1.54	0.138			1.99	17.69	26.95	0.01
200	12.85			1.13	0.101			2.14	20.66	30.03	0.00
250	12.24			0.66	0.059			2.31	24.09	32.67	0.00
300	10.74			0.47	0.042			2.55	31.14	35.15	0.00
400	9.03			0.31	0.028			2.88	41.44	39.50	0.00
600	6.86			0.74	0.066			3.02	56.89	42.20	0.00

OBSERVED VALUES

W 4 22 01 58.5 N 086 30.3 W DATE 25 OCT 71 1500 GCT WIRE 00
 DRY 75.6 WET 72.7 CRUISE YALOC71 WIND DIRECTION 20 VEL 13 KTS BAR 14
 SWELL DIRECTION 22 H 03 T 06 CLOUD 6 AMT 7 WEATHER 01

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.22	33.550	22.20	4.85	0.433	-0.019	104	0.20	0.47	0.30	0.01
25	25.23	33.548	22.20	4.85	0.433	-0.019	104	0.20	0.45	0.32	0.01
50	15.14	35.002	25.96	2.13	0.190	0.300	39	1.71	13.47	21.64	0.46
75	14.59	34.997	26.08	2.04	0.182	0.314	37	1.74	14.58	22.46	0.17
100	14.34	34.999	26.13	2.17	0.194	0.305	39	1.74	15.09	22.99	0.03
150	13.52	34.947	26.26	1.63	0.146	0.361	29	1.92	17.70	26.20	0.00
200	13.01	34.918	26.35	0.92	0.083	0.429	16	2.11	20.81	29.86	0.00
250	12.17	34.859	26.47	0.79	0.071	0.451	14	2.20	24.50	31.25	0.00
300	10.27	34.747	26.73	0.53	0.047	0.497	9	2.51	33.55	34.18	0.00
400	9.12	34.698	26.88	0.31	0.028	0.531	5	2.76	41.63	38.44	0.00
600	6.67	34.602	27.17	0.63	0.056	0.536	9	3.01	61.02	41.86	0.00
1100	4.07	34.593	27.48	1.46	0.130	0.501	21	3.03	102.91	41.54	0.00
1607	2.81	34.637	27.63	1.98	0.177	0.476	27	2.91	134.11	40.33	0.00
2104	2.19	34.666	27.71	2.30	0.205	0.458	31	2.79	152.64	38.96	0.00
2353	2.06	34.674	27.73	2.40	0.214	0.451	32	2.76	156.59	38.71	0.00
2552	2.08	34.676	27.73	2.54	0.227	0.438	34	2.76	157.39	38.46	0.00
2651	2.05	34.673	27.73	2.42	0.216	0.449	32	2.77	156.55	38.46	0.00
2751	2.08	34.677	27.73	2.42	0.216	0.449	33	2.80	157.35	38.47	0.00
2800	2.07	34.673	27.73	2.43	0.217	0.448	33	2.81	157.33	38.47	0.00
2840	2.08	34.675	27.73	2.44	0.218	0.447	33	2.81	157.31	38.47	0.00

OBSERVED VALUES

W 4 23 01 30.1 N 086 30.0 W DATE 25 OCT 71 1930 GCT WIRE 08
 DRY 76.7 WET 72.4 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 13
 SWELL DIRECTION 21 H 03 T 07 CLOUD 6 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	N03 UGAT/L	N02 UGAT/L
0	25.09	33.169	21.95	4.85	0.433	-0.017	104	0.09	0.31	0.00	0.00
25	25.01	33.215	22.01	4.88	0.436	-0.019	105	0.10	0.30	0.00	0.00
50	15.23	34.999	25.94	2.37	0.212	0.278	43	1.53	11.37	20.02	0.41
75	14.52	34.989	26.09	2.05	0.183	0.314	37	1.67	14.72	22.60	0.13
100	14.22	34.979	26.14	1.99	0.178	0.322	36	1.69	15.37	23.46	0.00
150	13.44	34.932	26.27	1.60	0.143	0.365	28	1.86	17.82	26.04	0.00
200	12.87	34.905	26.36	1.40	0.125	0.389	24	1.92	19.93	27.32	0.01
250	11.87	34.876	26.50	0.73	0.065	0.460	12	2.21	24.88	31.54	0.03
300	11.42	34.805	26.57	0.65	0.058	0.473	11	2.31	27.16	32.50	0.04
400	9.25	34.699	26.85	0.39	0.035	0.522	6	2.67	38.38	37.65	0.02
600	6.84	34.593	27.14	0.81	0.072	0.518	12	2.83	54.84	40.17	0.00

OBSERVED VALUES

W 4 24 01 00.0 N 086 30.5 W DATE 26 OCT 71 0033 GCT WIRE 08
 DRY WET 70.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 10 KTS BAR 12
 SWELL DIRECTION 20 H 03 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.17	33.021	21.82	4.90	0.438	-0.021	105	0.15	0.00	0.16	0.01
25	25.15	33.034	21.84	4.88	0.436	-0.019	105	0.16	0.01	0.21	0.01
50	15.34	34.995	25.91	2.51	0.224	0.264	46	1.50	11.04	19.47	0.40
75	14.78	34.989	26.03	2.17	0.194	0.300	39	1.66	13.68	21.71	0.35
100	14.31	34.987	26.13	2.02	0.180	0.318	36	1.73	15.42	23.37	0.04
150	13.70	34.943	26.22	1.87	0.167	0.338	33	1.75	16.87	24.71	0.01
200	13.20	34.915	26.31	1.62	0.145	0.366	28	1.88	18.79	26.49	0.00
250	12.02	34.837	26.48	0.81	0.072	0.451	14	2.19	24.76	31.76	0.00
300	10.66	34.769	26.68	0.26	0.023	0.516	4	2.49	32.60	35.41	0.00
400	9.49	34.709	26.83	0.41	0.037	0.518	7	2.57	36.76	37.46	0.00
500	8.44	34.645	26.95	0.31	0.028	0.540	5	2.79	44.40	39.32	0.00
600	6.90	34.584	27.13	0.75	0.067	0.522	11	2.88	54.57	40.84	0.00
1193	3.79	34.572	27.49	1.83	0.163	0.473	26	2.83	100.74	40.53	0.00
1887	2.39	34.632	27.67	2.32	0.207	0.452	31	2.69	134.53	38.78	0.00
2134	2.18	34.646	27.70	2.42	0.216	0.447	33	2.71	140.22	38.78	0.00
2332	2.08	34.652	27.71	2.50	0.223	0.442	34	2.67	143.64	38.51	0.00
2431	2.05	34.652	27.71	2.51	0.224	0.441	34	2.66	143.64	38.25	0.00
2531	2.06	34.657	27.71	2.51	0.224	0.441	34	2.66	143.64	38.25	0.00
2580	2.06	34.656	27.71	2.53	0.226	0.439	34	2.66	143.65	38.26	0.00
2620	2.06	34.656	27.71	2.58	0.237	0.435	35	2.66	143.65	38.26	0.00

OBSERVED VALUES

W 4 25 00 30.0 N 086 31.8 W DATE 26 OCT 71 0805 GCT WIRE 07
 DRY 72.1 WET 69.9 CRUISE YALOC71 WIND DIRECTION 18 VEL 12 KTS BAR 13
 SWELL DIRECTION 20 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/C O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.97	34.859	23.26	4.86	0.434	-0.021	105	0.20	0.14	0.06	0.01
25	19.52	34.954	24.87	2.88	0.257	0.195	57	1.50	8.87	17.61	0.35
50	15.31	35.013	25.93	2.31	0.206	0.283	42	1.79	12.11	20.74	0.51
75	14.62	35.012	26.08	2.09	0.187	0.309	38	1.82	13.33	22.42	0.18
100	14.24	34.990	26.15	2.90	0.259	0.241	52	1.87	14.65	24.25	0.02
150	13.63	34.964	26.25	1.82	0.163	0.343	32	1.93	16.10	24.98	0.03
200	13.16	34.931	26.33	1.77	0.158	0.353	31	1.93	17.06	25.92	0.07
250	12.64	34.886	26.39	1.13	0.101	0.416	20	2.14	20.17	29.19	0.04
300	10.74	34.782	26.67	0.28	0.025	0.514	5	2.59	30.65	35.74	0.02
400	9.24	34.697	26.86	0.42	0.038	0.520	7	2.75	36.23	38.08	0.07
500	7.85	34.630	27.03	0.51	0.046	0.530	8	2.94	45.48	40.44	0.00
600	7.21	34.604	27.10	0.70	0.063	0.522	11	2.99	50.16	41.42	0.00

OBSERVED VALUES

W 4 26 00 00.0 N 096 30.6 W DATE 26 OCT 71 1400 GCT WIRE 06
 DRY 71.9 WET 69.2 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR 14
 SWELL DIRECTION 18 H 03 T 08 CLOUD 6 AMT 5 WEATHER 01

DEPTH	TEMP DEG.C	SAL O/OO	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.55	32.595	21.68	4.83	0.431	-0.010	102	0.17	0.03	0.40	0.00
25	16.30	34.891	25.61	2.88	0.257	0.223	54	1.27	9.05	16.93	0.36
50	14.67	35.000	26.06	2.04	0.182	0.313	37	1.68	14.20	21.25	0.25
75	14.43	35.001	26.11	1.96	0.175	0.323	35	1.72	14.86	23.00	0.04
100	14.02	34.975	26.18	1.90	0.170	0.332	34	1.79	16.33	24.39	0.03
150	13.66	34.940	26.23	1.73	0.155	0.351	31	1.82	17.29	24.76	0.03
200	13.51	34.953	26.27	1.69	0.151	0.356	30	1.82	17.70	25.07	0.00
250	12.80	34.897	26.37	1.19	0.106	0.409	21	2.02	20.98	28.41	0.04
300	11.10	34.802	26.62	0.39	0.035	0.499	7	2.45	30.79	33.43	0.00
400	9.28	34.706	26.86	0.32	0.029	0.528	5	2.69	40.00	38.05	0.00
500	8.44	34.661	26.96	0.43	0.038	0.529	7	2.78	44.57	39.16	0.00
600	7.58	34.624	27.06	0.58	0.052	0.528	9	2.86	50.88	40.06	0.00
1318	3.59	34.596	27.53	1.76	0.157	0.482	25	2.92	112.35	41.03	0.00
2017	2.26	34.653	27.69	2.32	0.207	0.455	31	2.77	148.17	39.17	0.00
2267	2.06	34.661	27.72	2.53	0.226	0.439	34	2.72	150.28	38.06	0.00
2466	2.08	34.661	27.72	2.55	0.228	0.437	34	2.75	150.98	38.33	0.00
2566	2.02	34.665	27.72	2.58	0.230	0.435	35		151.68	38.61	0.00
2716	2.00	34.664	27.72	2.63	0.235	0.431	35		151.63	38.34	0.00
2766	2.03	34.664	27.72	2.61	0.233	0.433	35		151.59	38.34	0.00

OBSERVED VALUES

W 4 27 00 30.3 S 086 32.0 W DATE 26 OCT 71 1830 GCT WIRE 05
 DRY 74.0 WET 68.5 CRUISE YALOC71 WIND DIRECTION 16 VEL 14 KTS BAR 13
 SWELL DIRECTION 18 H 03 T 07 CLOUD 6 AMT 6 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.01	32.679	21.91	4.90	0.438	-0.012	103	0.15	0.33		0.06
25	16.52	34.866	25.54	3.09	0.276	0.202	58	1.32	8.11	9.38	0.41
50	14.78	35.048	26.08	2.17	0.194	0.300	39	1.66	13.73	15.37	0.20
75	14.20	35.014	26.17	1.85	0.165	0.335	33	1.77	15.57	18.58	0.02
100	13.84	34.987	26.23	1.75	0.156	0.347	31	1.82	16.55	19.77	0.01
150	13.69	34.990	26.26	1.77	0.158	0.347	31	1.82	16.80	20.62	0.00
200	13.31	34.966	26.32	1.65	0.147	0.362	29	1.89	18.36	22.02	0.00
250	12.44	34.909	26.45	1.28	0.114	0.404	22	2.04	21.94	25.19	0.00
300	11.23	34.829	26.62	0.42	0.038	0.495	7	2.49	29.91	31.07	0.00
400	9.53	34.732	26.84	0.24	0.021	0.532	4	2.80	39.02	35.45	0.00
500	8.22	34.664	27.00	0.48	0.043	0.528	8	2.93	46.04	37.24	0.00
600	7.28	34.625	27.10	0.59	0.053	0.531	9	3.04	53.44	38.77	0.00

OBSERVED VALUES

W 4 28 01 00.0 S 086 30.0 W DATE 26 OCT 71 2307 GCT WIRE 11
 DRY 68.9 WET 66.4 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR
 SWELL DIRECTION 18 H 03 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AO2 MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	22.81	32.873	22.40	4.90	0.438	-0.004	101	0.23	0.65	0.72	0.03
25	16.90	34.821	25.42	3.48	0.311	0.164	65	1.37	7.72	13.98	0.47
50	14.83	35.022	26.04	2.24	0.200	0.293	41	1.70	13.32	20.44	0.15
74	14.49	34.999	26.10	2.07	0.185	0.312	37	1.76	14.57	21.69	0.06
99	14.20	34.979	26.15	1.94	0.17	0.327	35	1.81	15.41	22.68	0.01
149	13.78	34.952	26.21	1.87	0.167	0.337	33	1.85	16.53	23.62	0.00
193	12.85	34.904	26.37	1.46	0.130	0.384	25	2.04	20.19	26.24	0.00
243	11.74	34.830	26.53	0.66	0.059	0.468	11	2.38	26.45	31.35	0.00
298	11.11	34.794	26.61	0.35	0.031	0.503	6	2.61	30.43	33.26	0.00
397	9.24	34.686	26.85	0.32	0.029	0.529	5	2.89	40.03	36.92	0.00
495	8.23	34.632	26.97	0.53	0.047	0.523	8	2.97	45.56	37.96	0.00
595	7.13	34.587	27.10	0.76	0.068	0.518	12	3.06	54.16	39.39	0.00
1127	4.38	34.554	27.41	1.60	0.143	0.484	23	3.05	52.83	39.39	0.00
1373	3.52	34.575	27.52	1.85	0.165	0.476	26	3.11	94.54	39.39	0.00
1570	3.04	34.591	27.58	2.03	0.181	0.467	28	3.06	114.32	39.09	0.00
1669	2.81	34.599	27.60	2.09	0.187	0.466	29	3.03	127.08	38.51	0.00
1767	2.61	34.609	27.63	2.19	0.196	0.460	30	2.98	132.31	38.23	0.00
1856	2.45	34.612	27.65	2.27	0.203	0.456	31	2.95	138.01	37.96	0.00
1817	2.51	34.612	27.64	2.25	0.201	0.457	31	2.92	139.80	37.96	0.00

OBSERVED VALUES

W 4 29 01 30.1 S 086 30.9 W DATE 27 OCT 71 0610 GCT WIRE 14
 DRY 67.0 WET 65.5 CRUISE YALOC71 WIND DIRECTION 20 VEL 12 KTS BAR 13
 SWELL DIRECTION 18 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AO2 MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	21.77	33.557	23.21	4.92	0.439	-0.001	100	0.32	0.94	1.47	0.05
25	17.90	34.823	25.18	4.54	0.405	0.060	87	1.18	5.82	12.74	0.48
50	14.69	35.019	26.07	2.12	0.189	0.306	38	1.75	13.47	21.73	0.10
75	14.28	34.988	26.14	1.95	0.174	0.325	35	1.87	14.91	23.65	0.01
100	13.94	34.966	26.19	1.87	0.167	0.336	33	1.88	15.75	24.33	0.00
150	13.71	34.972	26.24	1.90	0.170	0.335	34	1.89	16.06	23.90	0.01
200	12.86	34.917	26.38	1.13	0.101	0.413	20	2.18	20.48	28.90	0.01
250	12.49	34.891	26.43	0.80	0.071	0.447	14	2.33	23.09	30.61	0.00
300	10.90	34.796	26.65	0.23	0.021	0.516	4	2.73	31.74	35.05	0.00
400	9.38	34.705	26.85	0.28	0.025	0.531	5	2.90	39.12	38.39	0.00
500	8.16	34.643	26.99	0.41	0.037	0.535	6	3.04	45.88	40.31	0.00
600	6.99	34.597	27.12	0.78	0.070	0.518	12	3.02	46.12	40.02	0.00

OBSERVED VALUES

W 4 30 02 00.0 S 086 30.0 W DATE 27 OCT 71 1130 GCT WIRE 07
 DRY 66.8 WET 64.2 CRUISE YALOC71 WIND DIRECTION 18 VEL 18 KTS BAR 12
 SWELL DIRECTION 18 H 03 T 08 CLOUD 8 AMT 2 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	21.01	33.976	23.73	5.17	0.462	-0.018	104	0.38	1.13	2.75	0.07
25	16.05	35.003	25.76	2.74	0.245	0.237	51	1.59	10.79	18.49	0.50
50	14.92	35.033	26.03	2.06	0.184	0.309	37	1.76	13.17	21.41	0.75
75	14.45	35.018	26.12	2.01	0.180	0.318	36	1.79	14.21	22.57	0.04
100	14.24	34.998	26.15	1.80	0.161	0.339	32	1.87	15.44	23.95	0.02
150	13.79	34.988	26.24	1.83	0.163	0.341	32	1.89	16.15	24.13	0.01
200	13.00	34.939	26.36	0.94	0.084	0.429	16	2.21	20.69	28.77	0.07
250	11.86	34.866	26.53	0.26	0.023	0.502	4	2.61	27.52	33.53	0.01
300	10.30	34.769	26.74	0.26	0.023	0.521	4	2.78	34.81	36.08	0.00
400	9.30	34.710	26.86	0.31	0.028	0.529	5	2.87	39.63	37.44	0.00
500	8.25	34.660	26.99	0.28	0.025	0.545	4	3.02	45.14	39.79	0.00
600	6.97	34.608	27.14	0.69	0.062	0.527	10	3.11	54.59	41.32	0.00
1423	3.26	34.611	27.57	1.90	0.170	0.475	26	3.07	118.06	40.38	0.00
2119	2.20	34.662	27.71	2.37	0.212	0.451	32	2.92	147.08	38.69	0.00
2368	1.94	34.672	27.74	2.74	0.245	0.423	37	2.79	147.77	37.67	0.00
2567	1.88	34.676	27.74	2.85	0.255	0.414	38	2.75	147.74	37.67	0.00
2666	1.80	34.680	27.75	2.93	0.262	0.408	39	2.73	149.16	37.42	0.00
2766	1.80	34.679	27.75	2.98	0.266	0.404	40	2.73	149.87	37.18	0.00
2816	1.78	34.680	27.75	3.07	0.274	0.396	41	2.73	150.59	37.18	0.00
2855	1.77	34.678	27.75	3.00	0.268	0.402	40	2.70	150.57	37.18	0.00

OBSERVED VALUES

W 4 31 02 30.3 S 086 30.8 W DATE 27 OCT 71 1600 GCT WIRE 10
 DRY 67.2 WET 64.9 CRUISE YALOC71 WIND DIRECTION 18 VEL 12 KTS BAR 15
 SWELL DIRECTION 18 H 03 T 05 CLOUD 6 AMT 8 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	20.29	34.892	24.24	5.31	0.474	-0.027	106	0.57	1.00	5.28	0.13
25	17.75	34.969	25.33	4.15	0.371	0.096	79	1.34	6.39	14.79	0.52
50	14.87	35.037	26.05	2.20	0.196	0.297	40	1.72	12.70	21.18	0.16
75	14.79	35.036	26.06	2.20	0.196	0.297	40	1.74	12.85	21.75	0.09
100	14.56	35.036	26.11	2.37	0.212	0.284	43	1.72	12.76	20.87	0.41
150	13.61	34.984	26.27	1.94	0.173	0.333	34	1.84	15.61	23.86	0.01
200	13.13	34.944	26.34	0.98	0.088	0.424	17	2.16	19.50	28.94	0.01
250	12.71	34.883	26.48	0.22	0.020	0.502	4	2.58	25.53	33.36	0.00
300	11.05	34.813	26.64	0.09	0.008	0.527	2	2.72	30.43	35.04	0.00
400	9.47	34.719	26.84	0.22	0.020	0.535	4	2.94	38.05	37.93	0.00
500	9.06	34.642	27.00	0.24	0.021	0.552	4	3.19	45.87	41.33	0.00
600	6.81	34.593	27.15	0.63	0.056	0.534	10	3.24	57.09	42.00	0.00

OBSERVED VALUES

W 4 32 03 00.0 S 086 29.8 W DATE 27 OCT 71 2118 GCT WIRE 09
 DRY 70.7 WET 64.7 CRUISE YALOC71 WIND DIRECTION 18 VEL 10 KTS BAR 12
 SWELL DIRECTION 18 H 03 T 08 CLOUD 6 AMT 5 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	19.66	34.833	24.74	5.31	0.474	-0.023	105	0.91	2.17	10.02	0.26
25	18.87	34.848	24.96	4.80	0.429	0.029	94	1.02	4.05	11.01	0.32
50	15.93	34.983	25.77	2.67	0.238	0.245	49	1.45	10.78	17.86	0.56
75	14.78	35.023	26.06	2.22	0.198	0.296	40	1.47	12.95	19.67	0.41
100	13.94	35.011	26.23	1.94	0.173	0.329	34	1.73	14.42	22.82	0.07
150	13.20	34.948	26.33	1.72	0.154	0.357	30	1.95	17.43	25.73	0.05
200	12.88	34.920	26.37	0.95	0.085	0.429	17	2.26	20.31	29.92	0.12
250	12.35	34.891	26.46	0.23	0.021	0.499	4	1.93	24.41	32.53	0.40
300	11.39	34.836	26.60	0.16	0.014	0.517	3	2.66	28.80	33.99	0.01
400	9.17	34.700	26.88	0.25	0.022	0.536	4	2.91	39.28	38.60	0.02
500	7.93	34.637	27.02	0.30	0.027	0.543	5	2.55	45.57	41.49	0.08
600	6.94	34.596	27.13	0.58	0.052	0.537	9	2.41	54.91	42.11	0.14
1263	3.62	34.580	27.51	1.77	0.158	0.481	25	2.69	108.53	40.84	0.09
2502	1.86	34.663	27.73	2.89	0.258	0.411	39	2.28	146.05	37.28	0.08
2749	1.77	34.670	27.75	3.15	0.281	0.389	42	2.60	145.36	36.67	0.00

OBSERVED VALUES

W 4 33 02 59.6 S 085 30.0 W DATE 28 OCT 71 1000 GCT WIRE 09
 DRY 66.2 WET 61.5 CRUISE YALOC71 WIND DIRECTION 17 VFL 04 KTS BAR 12
 SWELL DIRECTION 18 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/C O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	19.46	34.727	24.71	5.37	0.480	-0.026	106	0.79	1.82	8.25	0.13
25	18.18	34.940	25.20	4.23	0.378	0.085	82	1.14	6.33	13.03	0.39
50	15.81	34.976	25.79	2.66	0.238	0.247	49	1.64	11.51	18.52	0.41
75	14.60	35.039	26.11	2.37	0.212	0.284	43	1.75	13.31	20.22	1.09
100	14.09	34.996	26.18	2.12	0.189	0.312	38	1.82	14.99	23.13	0.02
150	13.63	34.961	26.25	1.32	0.118	0.388	23	2.05	18.38	28.65	0.02
200	13.05	34.934	26.35					2.25	21.51	30.49	0.13
299	10.95	34.811	26.65	0.89	0.079	0.456	15	2.09	25.39	33.04	0.39
449	9.12	34.699	26.89	0.49	0.044	0.515	8	2.58	31.78	34.57	0.33
499	7.81	34.638	27.04	0.30	0.027	0.550	5	2.92	40.65	39.67	0.13
599	6.85	34.598	27.14	0.62	0.055	0.535	9	2.76	48.65	42.88	0.12
1630	3.63	34.626	27.55	2.05	0.183	0.456	29	2.94	54.93	42.95	0.05
2474	1.88	34.668	27.74	2.82	0.252	0.416	38	3.02	127.82	40.68	0.01
2722	1.83	34.675	27.75					2.80	144.40	38.47	0.00
2921	1.80	34.677	27.75	3.06	0.273	0.396	41	2.68	143.70	38.22	0.00
3021	1.77	34.678	27.75	3.08	0.275	0.395	41	2.48	143.01	37.83	0.14
3120	1.78	34.677	27.75	3.08	0.275	0.395	41	2.56	142.97	36.56	0.47
3170	1.78	34.677	27.75	3.08	0.275	0.395	41	2.56	142.93	37.43	0.07
3209	1.79	34.678	27.75	3.09	0.276	0.394	41	2.28	142.88	36.99	0.51

OBSERVED VALUES

W 4 34 02 29.0 S 085 29.9 W DATE 28 OCT 71 1400 GCT WIRE 05
 DRY 57.6 WET 62.3 CRUISE YALOC71 WIND DIRECTION 16 VEL 10 KTS BAR 15
 SWELL DIRECTION 18 H 03 T 06 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	19.77	34.586	24.53	5.26	0.470	-0.019	104	0.66	3.80	6.85	0.19
25	18.94	34.799	24.90	5.16	0.461	-0.004	101	0.96	5.31	10.64	0.33
50	17.02	35.039	25.56	3.47	0.310	0.163	66	1.44	10.91	16.32	0.41
75	14.58	35.071	26.14	2.11	0.188	0.307	38	1.58	15.95	22.11	0.12
100	14.32	35.059	26.18	2.11	0.188	0.310	38	1.59	15.98	23.35	0.03
150	13.81	35.019	26.26	1.43	0.128	0.376	25	1.75	18.50	26.02	0.23
200	13.15	34.990	26.37	0.83	0.074	0.437	15	2.22	22.13	29.67	0.00
250	12.26	34.930	26.50	0.26	0.023	0.497	4	2.53	27.57	33.42	0.00
299	11.01	34.853	26.68	0.08	0.007	0.528	1	2.71	33.51	35.06	0.02
399	9.42	34.752	26.88	0.19	0.017	0.538	3	2.87	40.56	38.44	0.00
499	7.91	34.669	27.05	0.28	0.025	0.550	4	3.12	49.77	41.94	0.00
599	7.04	34.632	27.14	0.49	0.044	0.543	7	3.16	57.24	42.62	0.00

OBSERVED VALUES

W 4 35 02 00.0 S 085 30.4 W DATE 28 OCT 71 1742 GCT WIRE 13
 DRY 70.6 WET 63.8 CRUISE YALOC71 WIND DIRECTION VEL 00 KTS BAR 14
 SWELL DIRECTION 18 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	19.86	34.357	24.33	4.96	0.443	0.008	98	0.73	3.95	7.46	0.21
25	17.07	34.883	25.43	3.73	0.333	0.140	70	1.37	9.43	15.59	0.67
50	14.67	35.012	26.07	2.12	0.189	0.306	38	1.74	15.09	22.57	0.11
75	14.49	35.012	26.11	2.19	0.196	0.301	39	1.80	15.36	22.64	0.04
100	14.33	35.000	26.14	2.15	0.192	0.307	39	1.81	15.88	22.57	0.03
149	13.76	34.947	26.21	1.72	0.154	0.351	30	1.96	18.10	25.36	0.02
199	13.37	34.947	26.30	1.77	0.158	0.351	31	2.00	19.16	25.84	0.02
249	12.20	34.878	26.47	0.30	0.027	0.495	5	2.59	27.47	33.59	0.00
299	11.06	34.807	26.63	0.24	0.021	0.513	4	2.73	32.89	35.08	0.00
398	9.36	34.707	26.85	0.24	0.021	0.534	4	2.96	41.00	38.70	0.00
498	8.03	34.639	27.01	0.32	0.029	0.545	5	3.06	49.03	41.29	0.00
598	7.00	34.597	27.12	0.79	0.071	0.517	12	3.05	56.63	41.61	0.00
1437	3.32	34.599	27.56	1.89	0.169	0.475	26	3.04	119.97	40.67	0.00
1778	2.60	34.627	27.65	2.20	0.196	0.460	30	2.97	136.69	40.07	0.00
2025	2.24	34.651	27.69	2.62	0.234	0.428	35	2.88	147.74	39.51	0.00
2223	2.10	34.653	27.71	2.54	0.227	0.438	34	2.84	148.44	38.96	0.00
2322	1.98	34.658	27.72	2.68	0.239	0.427	36	2.81	149.15	38.70	0.00
2421	1.92	34.662	27.73	2.77	0.247	0.420	37	2.75	150.56	38.70	0.00
2470	1.91	34.664	27.73	2.81	0.251	0.417	38	2.79	150.58	38.70	0.00
2510	1.87	34.664	27.73	2.87	0.256	0.412	38	2.78	150.61	38.44	0.00

OBSERVED VALUES

W 4 36 01 29.5 S 085 31.9 W DATE 28 OCT 71 2238 GCT WIRE 10
 DRY 6R.8 WET 64.0 CRUISE YALOC71 WIND DIRECTION VEL 00 KTS BAR 12
 SWELL DIRECTION 18 H 02 T 08 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	20.70	33.916	23.77	4.84	0.432	0.014	97	0.62	5.06	5.52	0.15
25	17.69	34.566	25.03	3.69	0.330	0.139	70	1.22	9.01	12.64	0.32
50	14.77	35.001	26.04	2.17	0.194	0.300	39	1.86	16.15	22.18	0.37
75	14.54	35.011	26.10	2.10	0.188	0.309	38	1.84	16.41	22.80	0.06
99	14.35	35.010	26.14	2.12	0.189	0.309	38	1.80	16.67	22.53	0.03
149	13.65	34.963	26.25	1.86	0.166	0.340	33	1.93	19.08	25.14	0.01
199	13.25	34.942	26.32	1.84	0.164	0.346	32	1.98	20.33	25.92	0.00
249	12.97	34.928	26.36	1.36	0.121	0.391	24	2.12	22.25	28.28	0.00
298	11.33	34.820	26.59	0.40	0.036	0.496	7	2.63	31.92	34.48	0.00
398	9.17	34.698	26.87	0.24	0.021	0.537	4	2.97	42.34	38.94	0.00
497	8.32	34.655	26.97	0.78	0.070	0.500	12	3.03	47.01	40.35	0.00
596	7.35	34.609	27.08	0.48	0.043	0.540	7	3.14	52.97	40.65	0.00

OBSERVED VALUES

W 4 37 00 59.9 S 085 26.5 W DATE 29 OCT 71 0330 GCT WIRE 04
 DRY 68.7 WET 63.8 CRUISE YALOC71 WIND DIRECTION 17 VEL 09 KTS BAR 14
 SWELL DIRECTION 18 H 02 T 05 CLOUD 8 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	21.85	33.281	22.98	4.99	0.446	-0.007	102	0.36	3.23	2.27	0.07
25	20.81	33.732	23.60	4.60	0.411	0.035	92	0.67	4.58	5.20	0.18
50	18.20	34.995	25.94	2.29	0.205	0.285	42	1.78	13.47	20.29	0.42
74	14.49	35.020	26.12	2.11	0.188	0.308	38	1.88	15.40	22.21	0.04
99	14.19	35.007	26.17	2.01	0.180	0.320	36	1.93	16.20	23.08	0.02
149	13.47	34.950	26.28	1.68	0.150	0.358	30	1.92	19.74	25.61	0.01
198	13.07	34.929	26.34	1.68	0.150	0.362	29	1.93	19.77	26.21	0.00
248	12.04	34.869	26.50	0.81	0.072	0.451	14	2.31	25.73	31.30	0.00
297	11.31	34.820	26.60	0.27	0.024	0.508	5	2.62	30.59	34.85	0.00
396	8.91	34.655	26.91	0.27	0.024	0.538	4	2.98	41.93	39.20	0.00
495	8.10	34.610	26.97	0.51	0.046	0.527	8	3.04	46.10	40.05	0.00
594	7.12	34.605	27.11	0.66	0.059	0.527	10	3.13	54.03	40.95	0.00
1087	4.27	34.578	27.44	1.53	0.137	0.492	22	3.19	95.81	40.95	0.00
1532	2.84	34.622	27.62	2.04	0.182	0.470	28	3.09	127.95	40.06	0.00
1832	2.49	34.639	27.66	2.25	0.201	0.457	31	3.00	138.20	39.77	0.00
2032	2.26	34.647	27.69	2.35	0.210	0.452	32	2.93	143.70	38.95	0.00
2132	2.13	34.655	27.71	2.43	0.217	0.447	33	2.94	145.62	38.69	0.00
2231	2.11	34.657	27.71	2.46	0.220	0.445	33	2.92	146.25	38.70	0.00
2281	2.05	34.658	27.72	2.58	0.230	0.435	35	2.90	146.21	38.70	0.00
2321	2.05	34.655	27.71	2.58	0.230	0.435	35	2.95	146.17	38.70	0.00

OBSERVED VALUES

W 4 38 00 30.0 S 085 30.0 W DATE 30 OCT 71 0030 GCT WIRE 17
 DRY 71.3 WET 66.4 CRUISE YALOC71 WIND DIRECTION 23 VEL 06 KTS BAR 13
 SWELL DIRECTION 18 H 02 T 08 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.13	32.384	21.65	4.98	0.445	-0.020	105	0.15	1.03	0.07	0.00
25	19.55	33.888	24.05	4.78	0.427	0.028	94	0.57	3.90	4.86	0.16
49	15.06	35.006	25.98	2.32	0.207	0.284	42	1.72	13.65	20.24	0.36
74	14.38	34.992	26.12	1.93	0.172	0.326	35	1.90	16.23	23.06	0.06
99	14.25	34.990	26.14	2.03	0.181	0.318	36	1.92	16.53	23.18	0.03
147	13.51	34.951	26.27	1.68	0.150	0.357	30	2.03	18.70	25.07	0.00
196	13.15	34.932	26.33	1.86	0.166	0.345	33	2.00	19.10	24.70	0.00
245	12.36	34.887	26.45	0.96	0.086	0.434	16	2.33	24.35	29.89	0.00
294	10.94	34.793	26.54	0.25	0.022	0.514	4	2.75	33.07	34.93	0.00
393	8.86	34.680	26.91	0.29	0.026	0.536	5	3.01	43.47	39.03	0.00
491	7.66	34.623	27.05	0.66	0.059	0.520	10	3.04	49.16	39.62	0.00
589	7.02	34.604	27.13	0.67	0.060	0.528	10	3.12	56.08	40.55	0.00

OBSERVED VALUES

W 4 39 00 00.0 S 085 30.0 W DATE 30 OCT 71 1021 GCT WIRE 09
 DRY 72.7 WET 65.7 CRUISE YALOC71 WIND DIRECTION 18 VEL 12 KTS BAR 13
 SWELL DIRECTION 18 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.68	32.514	21.58	4.87	0.435	-0.014	103	0.15	1.12	0.06	0.00
25	23.42	33.371	22.60	4.52	0.404	0.024	94	0.47	2.00	3.00	0.08
50	15.02	34.980	25.97	2.35	0.210	0.282	43	1.71	13.80	19.71	0.57
74	14.22	34.984	26.15	1.93	0.172	0.327	34	1.91	16.58	23.39	0.04
99	13.83	34.976	26.22	1.75	0.156	0.347	31	1.98	17.72	24.65	0.00
149	13.31	34.935	26.30	1.76	0.157	0.352	31	2.03	19.15	25.21	0.01
198	13.05	34.921	26.34	1.68	0.150	0.362	29	2.08	20.17	26.11	0.00
248	11.60	34.831	26.55	0.65	0.058	0.470	11	2.56	28.22	32.46	0.00
297	9.89	34.737	26.78	0.22	0.020	0.529	4	2.95	38.21	36.60	0.00
396	9.09	34.693	26.98	0.33	0.029	0.530	5	3.03	42.01	37.81	0.01
495	7.97	34.640	27.02	0.49	0.044	0.530	8	3.17	49.17	39.45	0.00
594	7.34	34.615	27.09	0.64	0.057	0.526	10	3.22	53.75	40.05	0.00
1340	3.56	34.597	27.53	1.78	0.159	0.481	25	3.25	114.99	40.05	0.00
2619	2.05	34.663	27.72	2.59	0.231	0.434	35	2.97	151.93	37.83	0.00
2866	2.04	34.666	27.72	2.67	0.238	0.427	36	2.97	153.37	37.83	0.00
3064	2.07	34.664	27.72	2.59	0.231	0.434	35	2.97	153.30	37.84	0.00
3163	2.06	34.664	27.72	2.62	0.234	0.431	35	2.98	154.00	37.59	0.00
3263	2.07	34.665	27.72	2.60	0.232	0.433	35	2.96	154.70	37.84	0.00
3312	2.07	34.666	27.72	2.60	0.232	0.433	35	2.98	154.64	37.85	0.00
3352	2.08	34.666	27.72	2.66	0.236	0.427	36	2.97	154.57	37.59	0.01

OBSERVED VALUES

W 4 40 00 30.4 N 085 30.5 W DATE 30 OCT 71 1546 GCT WIRE 07
 DRY 73.9 WET 67.5 CRUISE YALOC71 WIND DIRECTION 19 VEL 10 KTS BAR 14
 SWELL DIRECTION 21 H 03 T 05 CLOUD 6 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.20	32.674	21.55	4.86	0.434	-0.017	104	0.15	1.21	0.03	0.00
25	25.24	32.927	21.73	4.81	0.430	-0.013	103	0.22	1.37	0.39	0.01
50	15.01	35.009	25.99	2.26	0.202	0.290	41	1.74	14.44	22.02	0.44
75	14.72	35.005	26.06	2.20	0.196	0.298	40	1.79	15.15	22.56	0.42
100	14.05	34.979	26.18	1.86	0.166	0.335	33	1.92	17.24	25.48	0.01
150	13.50	34.947	26.27	1.74	0.155	0.352	31	2.00	18.96	27.02	0.01
200	12.71	34.890	26.38	1.00	0.089	0.427	17	2.28	22.51	31.48	0.00
250	11.56	34.825	26.56	0.61	0.054	0.474	10	2.51	28.86	34.84	0.00
300	10.47	34.756	26.71	0.24	0.021	0.520	4	2.78	35.36	37.89	0.00
400	9.19	34.692	26.87	0.36	0.032	0.526	6	2.95	41.59	40.37	0.00
500	7.84	34.630	27.03					3.14	50.00	42.11	0.00
600	6.98	34.598	27.13	0.73	0.065	0.523	11	3.18	56.87	43.08	0.00

OBSERVED VALUES

W 4 41 00 59.9 N 085 30.1 W DATE 30 OCT 71 2130 GCT WIRE 08
 DRY 75.2 WET 68.2 CRUISE YALOC71 WIND DIRECTION 22 VEL 10 KTS BAR 11
 SWELL DIRECTION 20 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	OCU MGAT/L	O/O O2 SATN	P04 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.34	32.932	21.70	4.84	0.432	-0.017	104	0.16	1.40	0.04	0.00
25	25.23	33.112	21.87					0.23	1.69	0.43	0.02
50	15.04	35.018	26.00	2.25	0.201	0.291	41	1.73	14.38	21.54	0.30
75	14.36	34.994	26.12	1.88	0.168	0.330	34	1.88	16.42	24.44	0.04
100	13.84	34.985	26.23	1.85	0.165	0.338	33	1.96	17.66	25.71	0.02
150	13.40	34.955	26.30	1.68	0.150	0.358	30	2.00	19.01	26.80	0.01
200	12.66	34.904	26.40	1.13	0.101	0.415	20	2.21	22.42	30.23	0.01
250	11.54	34.835	26.57	0.55	0.049	0.480	9	2.52	28.46	34.29	0.01
300	10.12	34.758	26.76	0.25	0.022	0.524	4	2.95	36.57	38.34	0.01
400	9.14	34.705	26.88	0.39	0.035	0.524	6	2.94	40.16	39.57	0.01
500	7.82	34.642	27.04	0.41	0.037	0.540	6	3.15	50.42	41.81	0.01
600	6.87	34.608	27.15	0.72	0.064	0.525	11	3.17	57.24	42.76	0.01
1340	3.74	34.605	27.52	1.77	0.158	0.479	25	3.17	107.29	42.44	0.01
1935	2.47	34.646	27.67	2.18	0.195	0.463	30	3.08	141.02	41.24	0.01
2184	2.12	34.665	27.72	2.40	0.214	0.450	32	2.94	150.70	40.40	0.01
2382	2.09	34.667	27.72	2.42	0.216	0.449	33	2.93	152.18	40.14	0.01
2481	2.05	34.667	27.72	2.44	0.218	0.447	33	2.93	152.91	40.14	0.01
2581	2.06	34.667	27.72	2.45	0.219	0.446	33	2.92	152.87	40.15	0.01
2630	2.05	34.668	27.72	2.48	0.221	0.444	33	2.93	152.83	39.89	0.01
2670	2.06	34.667	27.72	2.50	0.223	0.442	34	2.93	152.78	40.16	0.01

OBSERVED VALUES

W 4 42 01 30.2 N 085 30.6 W DATE 31 OCT 71 0200 GCT WIRE 06
 DRY 74.9 WET 68.6 CRUISE YALOC71 WIND DIRECTION 20 VEL 11 KTS BAR 13
 SWELL DIRECTION 20 H 03 T 05 CLOUD 6 AMT 9 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.46	33.273	21.92	4.83	0.431	-0.018	104	0.24	1.63	0.40	0.00
25	25.43	33.282	21.94	4.83	0.431	-0.017	104	0.23	1.59	0.48	0.01
50	15.34	35.002	25.92	2.14	0.191	0.298	39	1.72	14.13	22.04	0.22
75	14.87	35.003	26.02	2.10	0.188	0.306	38	1.76	15.10	22.86	0.14
100	14.17	34.970	26.15	1.84	0.164	0.336	33	1.90	17.11	25.86	0.02
150	13.56	34.944	26.25	1.59	0.142	0.365	29	1.96	18.74	27.16	0.00
200	13.04	34.916	26.34	1.61	0.144	0.368	28	1.98	19.97	27.36	0.00
250	11.48	34.822	26.57	0.56	0.050	0.480	9	2.45	28.72	34.68	0.00
300	10.79	34.786	26.67	0.24	0.021	0.517	4	2.69	33.71	37.24	0.00
400	8.87	34.679	26.91	0.22	0.029	0.534	5	2.95	42.99	40.67	0.00
500	7.68	34.627	27.05	0.41	0.037	0.542	6	3.14	52.22	42.45	0.00
600	6.84	34.596	27.14	0.59	0.053	0.537	9	3.17	59.01	43.44	0.00

OBSERVED VALUES

W 4 43 01 59.9 N 085 29.8 W DATE 31 OCT 71 0603 GCT WIRE 11
 DRY 75.5 WFT 68.8 CRUISE YALOC71 WIND DIRECTION 21 VEL 12 KTS BAR 14
 SWELL DIRECTION 20 H 03 T 07 CLOUD 8 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.50	33.464	22.05	4.84	0.432	-0.019	105	0.26	1.76	0.55	0.01
25	25.52	33.468	22.05	4.85	0.433	-0.020	105	0.28	1.74	0.56	0.01
50	15.54	35.012	25.88	2.39	0.213	0.273	44	1.69	13.56	20.58	0.39
75	14.88	35.011	26.02	2.08	0.186	0.307	38	1.83	15.27	23.17	0.05
100	14.41	34.992	26.11	2.01	0.180	0.318	36	1.86	16.26	24.03	0.01
150	13.82	34.958	26.21	1.68	0.150	0.354	30	2.00	18.23	26.52	0.00
200	13.02	34.915	26.34	1.38	0.123	0.389	24	2.14	21.18	28.93	0.00
250	12.04	34.855	26.49	0.73	0.065	0.458	12	2.41	25.97	32.94	0.00
300	10.87	34.798	26.66	0.30	0.027	0.510	5	2.75	33.26	36.61	0.00
400	9.31	34.698	26.85	0.32	0.029	0.528	5	2.92	40.78	38.89	0.00
500	7.85	34.636	27.03	0.41	0.037	0.539	6	3.15	51.14	41.94	0.00
600	6.77	34.600	27.16	0.66	0.059	0.532	10	3.23	60.54	43.25	0.00
1344	3.54	34.597	27.53	2.34	0.209	0.431	33	3.14	114.18	41.96	0.00
2009	2.30	34.652	27.69	2.48	0.221	0.440	34	3.01	141.08	40.50	0.00
2257	2.10	34.662	27.71	2.45	0.219	0.446	33	2.97	153.21	39.96	0.00
2455	2.08	34.665	27.72	2.50	0.223	0.442	34	2.94	154.78	39.96	0.00
2554	2.05	34.664	27.72	2.50	0.223	0.442	34	2.93	154.75	39.71	0.00
2654	2.06	34.664	27.72	2.51	0.224	0.441	34	2.93	154.72	39.45	0.00
2703	2.05	34.665	27.72	2.51	0.224	0.441	34	2.92	154.70	39.46	0.00
2743	2.05	34.665	27.72	2.51	0.224	0.441	34	2.93	154.67	39.47	0.00

OBSERVED VALUES

W 4 43A 02 01.9 N 084 36.7 W DATE 31 OCT 71 1330 GCT WIRE 02
 DRY 75.6 WET 69.8 CRUISE YALOC71 WIND DIRECTION 21 VEL 13 KTS BAR 14
 SWELL DIRECTION 20 H 02 T 05 CLOUD 8 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.37	32.976	21.72	4.86	0.434	-0.019	105	0.14	1.36	0.10	0.00
25	25.41	33.133	21.83	4.84	0.432	-0.018	104	0.19	1.43	0.33	0.02
50	16.92	34.903	25.48	2.14	0.191	0.283	40	1.63	12.51	20.34	0.36
75	14.65	35.015	26.08	2.04	0.182	0.313	37	1.78	15.61	22.94	0.02
100	14.18	34.984	26.15	1.71	0.153	0.347	31	1.92	17.32	24.58	0.02
150	13.48	34.957	26.28	1.59	0.142	0.365	28	1.99	19.08	26.15	0.01
200	12.54	34.897	26.42	0.96	0.086	0.432	17	2.23	23.50	30.47	0.02
250	11.48	34.843	26.58	0.25	0.022	0.507	4	2.47	29.63	33.81	0.01
300	10.89	34.807	26.66	0.24	0.021	0.515	4	2.62	33.03	35.84	0.02
400	9.31	34.718	26.87	0.37	0.033	0.523	6	2.80	39.91	38.47	0.02
500	8.05	34.656	27.02	0.42	0.038	0.536	7	3.05	49.58	40.28	0.02
600	7.10	34.623	27.13	0.49	0.044	0.542	7	3.13	57.15	42.37	0.02
1365	3.49	34.616	27.55	1.78	0.159	0.482	25	3.11	117.28	41.16	0.29
2549	2.05	34.679	27.73	2.53	0.226	0.439	34	2.87	153.40	38.97	0.02
2797	2.04	34.679	27.73	2.58	0.230	0.435	35	2.84	154.15	38.93	0.06
2996	2.07	34.679	27.73	2.63	0.235	0.430	35	2.84	154.09	38.45	0.04
3096	2.04	34.681	27.73	2.62	0.234	0.431	35	2.81	154.02	38.44	0.06
3195	2.06	34.680	27.73	2.65	0.237	0.428	36	2.85	153.96	38.13	0.13
3245	2.06	34.677	27.73	2.66	0.238	0.428	36	2.84	153.89	38.46	0.04
3285	2.07	34.679	27.73	2.66	0.238	0.427	36	2.82	153.83	37.90	0.36

OBSERVED VALUES

W 4 44 02 00.0 N 083 51.4 W DATE 31 OCT 71 2200 GCT WIRE 07
 DRY 77.3 WET 71.5 CRUISE YALOC71 WIND DIRECTION 21 VEL 12 KTS BAR 11
 SWELL DIRECTION 20 H 03 T 08 CLOUD 8 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.71	32.789	21.48	4.84	0.432	-0.019	105	0.18	1.09	0.09	0.00
25	25.43	32.853	21.61	4.86	0.434	-0.019	105	0.21	1.19	0.26	0.02
50	15.39	35.005	25.91	2.18	0.195	0.293	40	1.71	13.68	21.07	0.50
75	14.81	34.994	26.03	1.98	0.177	0.317	36	1.78	15.15	23.02	0.02
100	14.29	34.969	26.12	1.71	0.153	0.346	31	1.89	16.93	24.91	0.04
150	13.52	34.883	26.21	1.52	0.136	0.372	27	1.98	19.02	26.54	0.02
200	12.63	34.849	26.37	0.81	0.072	0.445	14	2.26	23.40	30.90	0.01
250	11.82	34.801	26.49	0.47	0.042	0.484	8	2.49	27.91	33.59	0.07
300	11.03	34.692	26.55	0.28	0.025	0.511	5	2.66	32.12	35.46	0.02
400	9.12	34.533	26.83	0.31	0.028	0.531	5	2.90	41.69	39.24	0.01
500	7.90	34.605	27.00	0.28	0.025	0.550	4	3.14	51.36	41.17	0.01
600	7.04	34.629	27.14	0.55	0.049	0.538	8	3.16	57.67	42.08	0.01
1644	2.80	34.664	27.66	1.96	0.175	0.477	27				
2541	5.71	34.663	27.34	2.46	0.220	0.386	36				
2791	8.56	34.664	26.94	2.52	0.225	0.341	40				
2990	2.04	34.667	27.72	2.58	0.230	0.435	35				
3089	2.03	34.666	27.72	2.55	0.228	0.438	34				
3189	2.04	34.661	27.72	2.56	0.229	0.437	34				
3239	2.04	34.665	27.72	2.57	0.230	0.436	34				
3279	2.05	34.664	27.72	2.57	0.230	0.436	34				

OBSERVED VALUES

W 4 45 01 30.3 N 085 50.3 W DATE 01 NOV 71 0555 GCT WIRE 00
 DRY 75.5 WET 70.2 CRUISE YALOC71 WIND DIRECTION 19 VEL 04 KTS BAR 14
 SWELL DIRECTION 20 H 02 T 08 CLOUD 8 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L
0	25.56	32.502	21.31	4.83	0.431	-0.016	104	0.08	1.00	0.03	0.00
25	25.60	32.545	21.33	4.83	0.431	-0.017	104	0.10	0.95	0.06	0.00
50	15.60	35.006	25.86	2.20	0.196	0.290	40	1.10	13.36	16.88	4.65
75	14.70	34.992	26.05	1.95	0.174	0.321	35	1.21	15.55	23.30	0.23
100	14.10	34.968	26.16	1.65	0.147	0.354	29	1.36	17.38	25.50	0.09
150	13.45	34.942	26.27	1.61	0.144	0.364	28	1.44	19.10	26.84	0.02
200	13.06	34.926	26.34	1.44	0.129	0.383	25	1.49	20.59	27.71	0.00
250	12.08	34.864	26.49	0.57	0.051	0.472	10	1.86	26.32	32.78	0.00
300	11.49	34.827	26.57	0.40	0.036	0.494	7	2.00	29.38	34.63	0.00
400	8.87	34.684	26.91	0.36	0.032	0.530	6	2.32	42.47	39.86	0.00
500	8.05	34.643	27.01	0.50	0.045	0.528	8	2.43	47.52	40.97	0.00
600	7.18	34.612	27.11	0.63	0.056	0.529	10	2.48	54.79	41.87	0.00

OBSERVED VALUES

W 4 46 01 00.0 N 083 51.0 W DATE 01 NOV 71 0932 GCT WIRE 09
 DRY 74.2 WET 69.1 CRUISE YALOC71 WIND DIRECTION 19 VEL 10 KTS BAR 12
 SWELL DIRECTION 20 H 02 T 08 CLOUD 8 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L
0	25.47	32.384	21.26	4.81	0.430	-0.013	103				
25	25.44	32.389	21.26	4.85	0.433	-0.017	104				
50	15.42	34.988	25.89	2.19	0.196	0.292	40	1.70	13.81	20.82	0.23
75	14.34	34.961	26.10	1.78	0.159	0.340	32	1.95	16.57	24.37	0.11
100	13.82	34.948	26.20	1.72	0.154	0.350	30	1.95	17.61	24.39	0.09
150	13.45	34.935	26.27	1.78	0.159	0.349	31	1.99	18.60	25.82	0.03
200	12.89	34.912	26.37	1.54	0.138	0.376	27	2.07	20.50	26.39	0.35
250	12.43	34.875	26.43	1.18	0.105	0.414	20	2.25	23.04	29.44	0.01
300	11.33	34.799	26.58	0.42	0.038	0.494	7	2.57	29.29	34.56	0.00
400	9.28	34.688	26.85	0.38	0.034	0.523	6	2.93	40.33	39.07	0.00
500	7.81	34.623	27.03	0.55	0.049	0.527	9	3.06	48.56	40.58	0.12
600	7.08	34.595	27.11					3.11	54.79	41.80	0.10
1399	3.27	34.599	27.56	1.94	0.173	0.472	27	3.12	119.76	41.23	0.06
2676	2.04	34.655	27.71	2.70	0.241	0.424	36	3.06	150.69	39.08	0.01
2924	2.03	34.653	27.71	2.81	0.251	0.415	38	2.85	150.62	38.83	0.01
3173	2.06	34.656	27.71	2.62	0.234	0.431	35	2.84	149.76	38.70	0.14
3222	2.03	34.656	27.72	2.62	0.234	0.432	35	2.84	149.69	38.78	0.06
3321	2.04	34.654	27.71	2.62	0.234	0.432	35	2.84	149.63	38.80	0.04
3370	2.05	34.656	27.71	2.62	0.234	0.431	35	2.83	149.56	38.46	0.14
3410	2.05	34.656	27.71	2.67	0.238	0.427	36	2.82	149.49	38.17	0.19

OBSERVED VALUES

W 4 47 00 29.6 N 083 50.5 W DATE 01 NOV 71 1454 GCT WIRE 04
 DRY 75.5 WET 70.0 CRUISE YALOC71 WIND DIRECTION 19 VEL 11 KTS BAR 16
 SWELL DIRECTION 19 H 02 T 05 CLOUD 8 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.30	32.329	21.26	4.86	0.434	-0.017	104	0.14	0.83	0.00	0.00
25	20.72	33.451	23.41	4.67	0.417	0.030	93	0.44	1.20	3.56	0.11
50	14.61	34.991	26.07	2.02	0.180	0.315	36	1.79	15.41	22.79	0.12
75	14.21			1.85	0.165			1.87	16.59	24.07	0.05
100	13.84	34.964	26.21	1.67	0.149	0.355	30	1.97	17.79	25.62	0.12
150	13.35	34.937	26.29	1.70	0.152	0.357	30	1.99	19.02	26.27	0.05
200	13.06	34.927	26.34	1.62	0.145	0.367	28	2.01	20.08	26.91	0.02
250	12.09	34.863	26.42	0.86	0.077	0.446	15	2.32	25.30	31.90	0.00
300	10.87	34.792	26.66	0.27	0.033	0.504	6	2.63	33.06	36.03	0.06
400	9.34	34.710	26.86	0.22	0.029	0.527	5	2.86	40.39	38.80	0.01
500	7.88	34.636	27.03	0.58	0.052	0.524	9	3.00	47.85	40.93	0.04
600	7.26	34.612	27.10	0.65	0.058	0.526	10	3.04	53.88	41.88	0.01

OBSERVED VALUES

W 4 48 00 00.1 N 083 51.0 W DATE 01 NOV 71 2000 GCT WIRE 08
 DRY 75.2 WET 69.8 CRUISE YALOC71 WIND DIRECTION 18 VEL 06 KTS BAR 13
 SWELL DIRECTION 19 H 02 T 08 CLOUD 8 AMT 3 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	25.12	32.160	21.19					0.08	0.94	0.00	0.00
25	20.04	34.069	24.06					0.53	3.32	5.06	0.16
50	14.46	35.002	26.11	1.86	0.166	0.331	33	1.85	15.94	24.03	0.08
75	14.23	34.981	26.14	1.77	0.158	0.342	32	1.90	16.76	25.12	0.04
100	14.10	34.972	26.16	1.86	0.166	0.335	33	1.94	17.15	25.78	0.04
150	13.53	34.964	26.25	1.52	0.136	0.370	27	2.01	18.51	26.89	0.02
200	13.20	34.940	26.32	1.59	0.142	0.368	28	2.01	19.46	26.89	0.02
250	12.24	34.884	26.47	0.90	0.080	0.441	15	2.25	24.27	31.11	0.01
300	11.78	34.855	26.54	0.31	0.028	0.499	5	2.55	28.56	34.61	0.02
400	9.03	34.693	26.89	0.29	0.026	0.534	5	2.93	42.15	39.92	0.01
500	8.08	34.644	27.00	0.49	0.044	0.529	8	3.01	47.02	41.05	0.01
600	7.42	34.615	27.08	0.72	0.064	0.518	11	3.12	52.47	41.66	0.01
1592	2.86	34.621	27.62	2.01	0.180	0.472	28	3.05	130.35	41.06	0.01
2385	2.09	34.658	27.71	2.45	0.219	0.446	33	2.99	150.97	39.41	0.01
2633	2.05	34.660	27.72	2.59	0.231	0.434	35	2.90	152.55	39.15	0.01
2831	2.05	34.664	27.72	2.51	0.224	0.441	34	2.88	152.51	38.92	0.00
2930	2.03	34.666	27.72	2.55	0.228	0.438	34	2.89	152.48	38.92	0.00
3030	2.03	34.664	27.72	2.57	0.230	0.436	34	2.88	152.44	38.91	0.01
3079	2.03	34.666	27.72	2.58	0.230	0.435	35	2.87	152.41	38.92	0.01
3119	2.04	34.659	27.72	2.59	0.231	0.434	35	2.87	152.38	38.92	0.01

OBSERVED VALUES

W 4 49 00 30.0 S 083 50.9 W DATE 02 NOV 71 0100 GCT WIRE 08
 DRY 72.5 WET 68.7 CRUISE YALOC71 WIND DIRECTION 17 VEL 08 KTS BAR 12
 SWELL DIRECTION 19 H 02 T 08 CLOUD 8 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.39	32.233	21.46	4.92	0.439	-0.016	104	0.10	1.17	0.01	0.00
25	17.11	34.591	25.19	3.88	0.347	0.127	73	0.97	6.02	12.19	0.27
50	14.33	35.012	26.14	1.86	0.166	0.332	33	1.75	16.26	24.64	0.05
75	14.11	34.979	26.17	1.78	0.159	0.342	32	1.79	16.79	25.29	0.03
100	14.05	34.967	26.17	1.88	0.168	0.334	33	1.83	17.06	25.57	0.03
150	13.65	34.949	26.24	1.56	0.139	0.366	28	1.88	18.39	26.76	0.01
200	13.27	34.933	26.30	1.51	0.135	0.375	26	1.94	19.38	27.60	0.02
250	12.49	34.888	26.43	0.64	0.057	0.461	11	2.20	24.15	32.51	0.01
300	10.99	34.792	26.63	0.24	0.021	0.514	4	2.48	32.26	36.66	0.01
400	8.95	34.681	26.90	0.27	0.024	0.537	4	2.74	42.17	40.27	0.01
500	8.17	34.644	26.99	0.48	0.043	0.529	8	2.84	46.44	41.13	0.01
600	7.31	34.609	27.09	0.65	0.058	0.525	10	2.90	52.58	42.06	0.00

OBSERVED VALUES

W 4 49 A 00 41.8 S 085 31.2 W DATE 02 NOV 71 0500 GCT WIRE 08
 DRY 72.9 WET 69.4 CRUISE YALOC71 WIND DIRECTION 17 VEL 06 KTS BAR 15
 SWELL DIRECTION 17 H 02 T 05 CLOUD 8 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SIG4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	24.32	32.174	21.44					0.08	1.07	0.00	0.00
25	20.05	34.270	24.21					0.53	3.11	6.37	0.22
50	14.68	35.006	26.06	2.15	0.192	0.303	39	1.58	14.74	22.29	0.18
75	14.30	35.007	26.15	1.99	0.178	0.321	36	1.65	15.77	23.56	0.03
100	13.93	34.988	26.21	1.76	0.157	0.345	31	1.76	17.08	25.12	0.03
150	13.42	34.956	26.29	1.70	0.152	0.356	30	1.81	18.51	25.93	0.02
200	13.12	34.935	26.34	1.72	0.154	0.358	30	1.81	19.25	26.31	0.02
250	12.10	34.876	26.49	0.68	0.061	0.462	12	2.17	25.78	32.60	0.01
299	10.93	34.800	26.65	0.24	0.021	0.515	4	2.42	32.51	36.46	0.01
399	8.86	34.687	26.92	0.31	0.028	0.535	5	2.61	30.72	40.45	0.01
499	7.55	34.624	27.07	0.66	0.059	0.521	10	2.65	49.11	41.50	0.02
599	6.80	34.600	27.15	0.79	0.071	0.520	12	2.72	56.53	42.36	0.02
1290	3.66	34.595	27.52	1.75	0.156	0.482	24	2.72	108.24	41.80	0.01
1935	2.30	34.652	27.69	2.26	0.202	0.459	31	2.62	143.24	39.96	0.01
2183	2.09	34.659	27.71	2.50	0.223	0.441	34	2.54	147.86	39.24	0.01
2381	2.09	34.662	27.72	2.58	0.230	0.434	35	2.53	147.80	39.26	0.00
2480	2.04	34.663	27.72	2.58	0.230	0.435	35	2.52	147.06	39.26	0.00
2579	2.04	34.664	27.72	2.58	0.230	0.435	35	2.53	147.01	39.03	0.00
2629	2.03	34.662	27.72	2.60	0.232	0.434	35	2.53	146.96	39.04	0.00
2669	2.03	34.662	27.72	2.60	0.232	0.434	35	2.52	146.91	39.28	0.00

OBSERVED VALUES

W 4 50 01 00.4 S 083 50.8 W DATE 03 NOV 71 1718 GCT WIRE 08
 DRY 74.7 WET 70.8 CRUISE YALOC71 WIND DIRECTION 18 VEL 11 KTS BAR 14
 SWELL DIRECTION 19 H 02 T 05 CLOUD 8 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L
0	24.33	32.295	21.52	4.96	0.443	-0.019	104	0.12	1.41	0.01	0.00
25	19.87	34.052	24.09	4.84	0.432	0.020	96	0.51	4.17	6.14	0.17
50	15.33	34.983	25.90	2.27	0.203	0.286	41	1.64	13.63	21.36	0.39
75	14.59	35.002	26.08	1.88	0.168	0.328	34	1.78	15.76	24.36	0.13
100	14.31	35.001	26.14	1.93	0.172	0.326	35	1.82	16.15	24.61	0.05
150	13.67	34.970	26.25	1.60	0.143	0.363	28	1.97	18.19	27.03	0.02
200	12.62	34.911	26.42	0.79	0.071	0.446	14	2.34	23.22	32.31	0.01
250	11.93	34.862	26.51	0.36	0.032	0.492	6	2.49	27.29	34.85	0.01
300	10.58	34.783	26.70	0.16	0.014	0.526	3	2.74	34.58	37.73	0.01
400	9.34	34.712	26.86	0.27	0.024	0.532	4	2.85	39.76	40.03	0.01
500	8.33	34.659	26.98	0.40	0.036	0.534	6	2.96	45.13	41.59	0.03
600	7.01	34.602	27.12	0.83	0.074	0.513	13	2.99	52.90	43.07	0.02
864	5.34	34.566	27.31	1.31	0.117	0.495	19	3.06	73.43	43.40	0.01
1116	4.20	34.577	27.45	1.62	0.145	0.485	23	3.05	96.06	43.10	0.01
1314	3.53	34.208	27.23	1.82	0.163	0.480	25	3.03	112.17	41.92	0.01
1414	3.31	34.607	27.56	1.86	0.166	0.478	26	3.04	117.23	42.21	0.01
1513	3.19	34.611	27.58	1.94	0.173	0.473	27	3.02	120.36	41.93	0.01
1560	3.01	34.616	27.60	1.99	0.178	0.471	27	3.01	124.65	41.93	0.01
1603	2.79	34.624	27.63	2.11	0.188	0.464	29	2.98	129.80	41.66	0.01

OBSERVED VALUES

W 4 51 01 30.0 S 083 50.3 W DATE 03 NOV 71 2315 GCT WIRE 06
 DRY 71.2 WET 67.7 CRUISE YALOC71 WIND DIRECTION 18 VEL 12 KTS BAR 11
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	23.61	37.563	21.94					0.12	1.51	0.01	0.00
25	20.07	34.096	24.07					0.51	3.57	5.02	0.15
50	15.29	34.979	25.91	2.25	0.201	0.288	41	1.70	13.62	21.12	0.58
75	14.27	35.005	26.15	1.93	0.172	0.327	35	1.85	16.05	23.24	0.03
100	13.91	34.983	26.21	1.70	0.152	0.351	30	1.94	17.27	25.88	0.01
150	13.36	34.959	26.31	1.26	0.113	0.396	22	2.08	19.56	28.52	0.01
200	12.29	34.887	26.46	0.66	0.059	0.462	11	2.40	24.76	32.72	0.01
250	11.84	34.859	26.53	0.32	0.029	0.497	5	2.54	27.89	35.20	0.01
300	10.94	34.804	26.65	0.23	0.021	0.516	4	2.75	32.57	37.00	0.01
400	9.46	34.723	26.85	0.24	0.021	0.533	4	2.86	39.02	39.96	0.00
500	8.44			0.31	0.028			2.95	44.21	41.69	0.00
600	6.95	34.607	27.14	0.59	0.053	0.536	9	3.07	54.96	43.66	0.00

OBSERVED VALUES

W 4 52 01 58.1 S 083 50.7 W DATE 04 NOV 71 0400 GCT WIRE 05
 DRY 69.1 WET 66.2 CRUISE YALOC71 WIND DIRECTION 20 VEL 06 KTS BAR 15
 SWELL DIRECTION 17 H 02 T 05 CLOUD 8 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	22.91	33.022	22.48	5.12	0.457	-0.025	106	0.15	1.83	9.34	0.03
25	17.89	34.643	25.04	4.29	0.383	0.083	92	0.88	4.79	11.51	0.52
50	16.09	34.880	25.65	2.67	0.238	0.243	49	1.40	11.77	18.09	0.89
75	15.11	35.003	25.97	2.10	0.188	0.303	38	1.55	14.25	21.88	0.41
100	14.39	35.011	26.13	1.94	0.173	0.325	35	1.62	15.55	23.81	0.07
150	13.66	34.972	26.25	1.52	0.136	0.370	27	1.83	17.91	26.84	0.02
200	12.98	34.933	26.36	0.97	0.087	0.426	17	2.06	20.94	30.48	0.01
250	12.00	34.865	26.50	0.42	0.038	0.486	7	2.37	26.65	34.15	0.00
300	11.50	34.834	26.57	0.31	0.028	0.502	5	2.41	29.13	35.67	0.00
400	9.50	34.722	26.84	0.26	0.023	0.531	4	2.62	38.43	39.03	0.01
500	8.35	34.662	26.98	0.32	0.029	0.540	5	2.70	44.46	41.71	0.01
600	7.38	34.620	27.09	0.41	0.037	0.546	6	2.82	51.12	43.72	0.00
1045	4.44	34.575	27.42	1.45	0.130	0.497	21	2.79	89.40	43.13	0.00
1441	3.19	34.611	27.58	1.88	0.168	0.478	26	2.74	117.49	41.74	0.00
1689	2.67	34.631	27.64	2.15	0.192	0.463	29	2.68	130.91	41.22	0.00
1887	2.39	34.646	27.68	2.26	0.202	0.458	31	2.64	138.22	40.72	0.00
1986	2.30	34.648	27.69	2.30	0.205	0.456	31	2.63	140.00	40.48	0.00
2085	2.23	34.652	27.70	2.37	0.212	0.451	32	2.62	141.20	40.48	0.00
2135	2.21	34.654	27.70	2.41	0.215	0.447	32	2.60	141.79	40.25	0.00
2174	2.15	34.657	27.71	2.45	0.219	0.445	33	2.60	142.39	40.01	0.00

OBSERVED VALUES

W 4 53 02 10.0 S 083 00.2 W DATE 04 NOV 71 1145 GCT WIRE 04
 DRY 67.8 WET 65.1 CRUISE YALOC71 WIND DIRECTION 21 VEL 12 KTS BAR 12
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 9 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	21.89	33.394	23.05	5.28	0.472	-0.033	108	0.05	1.21	0.07	0.03
25	21.87	33.397	23.06	5.31	0.474	-0.036	108	0.14	1.25	0.25	0.07
50	17.04	34.833	25.40	3.69	0.330	0.144	70	1.34	7.52	13.99	0.91
75	15.21	35.014	25.95	2.11	0.188	0.301	38	1.67	14.51	21.46	0.23
100	14.48	35.015	26.11	2.04	0.182	0.315	37	1.75	16.12	23.30	0.04
150	13.48	34.964	26.29	1.31	0.117	0.390	23	2.04	19.68	27.78	0.02
200	12.71	34.913	26.40	0.91	0.081	0.435	16	2.23	23.24	30.43	0.02
250	12.37	34.892	26.45	0.55	0.049	0.470	9	2.41	26.35	33.07	0.01
300	11.31	34.829	26.60	0.28	0.025	0.507	5	2.61	31.56	33.79	0.49
400	9.65	34.733	26.82	0.34	0.030	0.522	6	2.85	40.28	39.18	0.00
500	7.84	34.643	27.04	0.28	0.025	0.551	4	3.00	50.58	42.95	0.12
600	6.84	34.600	27.15	0.45	0.040	0.550	7	3.08	57.95	45.77	0.02
1281	3.66	34.599	27.52	1.72	0.154	0.485	24	2.98	113.32	42.53	0.28
1827	2.48	34.642	27.67	2.20	0.196	0.462	30	2.90	140.90	41.51	0.00
2075	2.26	34.652	27.69	2.41	0.215	0.447	33	2.88	147.39	40.31	0.01
2274	2.14	34.660	27.71	2.50	0.223	0.441	34	2.76	149.88	38.79	0.64
2373	1.93	34.667	27.73	2.73	0.244	0.424	37	2.52	149.20	39.64	0.01
2472	1.88	34.669	27.74	2.83	0.253	0.416	38	2.70	149.80	39.65	0.01
2522	1.85	34.672	27.74	2.88	0.257	0.412	38	2.66	149.12	39.38	0.07
2562	1.84	34.672	27.74	2.89	0.258	0.411	39	2.67	150.38	39.42	0.03

OBSERVED VALUES

W 4 54 02 23.4 S 052 00.2 W DATE 04 NOV 71 1926 GCT WIRE 08
 DRY 69.9 WET 66.5 CRUISE YALOC71 WIND DIRECTION 20 VEL 14 KTS BAR 12
 SWELL DIRECTION 18 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	22.84	32.76P	22.31	5.08	0.454	-0.020	105	0.11	1.48	0.01	0.00
25	20.82	33.513	23.43	5.10	0.455	-0.009	102	0.32	2.52	2.32	0.10
50	14.89	34.991	26.01	1.73	0.155	0.339	31	1.89	15.70	26.24	0.49
75	14.09	34.970	26.16	1.46	0.130	0.371	26	1.96	18.53	26.77	0.63
100	13.9P	34.964	26.1P	1.57	0.140	0.362	28	1.99	19.00	26.84	0.57
150	13.31	34.950	26.31	1.14	0.102	0.407	20	2.15	21.26	29.94	0.02
200	12.86	34.923	26.38	0.79	0.071	0.444	14	2.30	23.71	32.19	0.01
250	11.9P	34.866	26.51	0.32	0.029	0.495	5	2.55	29.14	35.45	0.01
299	10.73	34.793	26.68	0.16	0.014	0.524	3	2.72	35.91	38.16	0.01
399	8.54	34.672	26.95	0.28	0.025	0.541	4	2.92	46.57	42.71	0.00
499	8.0P	34.649	27.01	0.39	0.035	0.538	6	2.97	49.84	43.82	0.00
599	7.41	34.621	27.0P	0.56	0.050	0.532	9	2.97	54.75	44.70	0.00
1222	3.88	34.579	27.49	1.71	0.153	0.482	24	3.02	109.33	44.12	0.00
1917	2.35	34.640	27.6P	2.38	0.213	0.448	32	2.83	147.04	42.23	0.00
2165	2.11	34.652	27.71	2.51	0.224	0.440	34	2.75	151.56	41.24	0.00
2364	2.02	34.664	27.72	2.70	0.241	0.425	36	2.73	151.53	41.01	0.00
2463	1.87	34.672	27.74	2.90	0.259	0.409	39	2.67	150.84	41.02	0.00
2562	1.83	34.672	27.74	2.94	0.263	0.407	39	2.68	152.15	40.80	0.00
2612	1.78	34.675	27.75	3.00	0.268	0.402	40	2.65	152.13	40.80	0.00
2652	1.77	34.677	27.75	3.05	0.272	0.398	41	2.66	152.78	40.81	0.00

OBSERVED VALUES

W 4 55 02 47.0 S 081 47.0 W DATE 04 NOV 71 2305 GCT WIRE 02
 DRY 68.1 WET 65.0 CRUISE YALOC71 WIND DIRECTION 19 VEL 16 KTS BAR 11
 SWELL DIRECTION 18 H 04 T 08 CLOUD R AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	22.64	37.817	22.41	5.12	0.457	-0.023	105	0.16	1.70	0.00	0.00
25	19.89	33.889	23.96	5.13	0.458	-0.006	101	0.57	2.40	4.37	0.20
50	15.59	34.970	25.84	2.07	0.185	0.301	38	2.23	14.18	25.10	1.28
75	13.96	34.968	26.19	1.38	0.123	0.379	25	2.35	18.98	28.32	0.08
100	13.81	34.964	26.22	1.30	0.116	0.388	23	2.36	19.60	28.89	0.04
150	13.35	34.950	26.30	0.91	0.081	0.428	16	2.54	22.09	30.83	0.03
200	12.83	34.922	26.38	0.49	0.044	0.471	9	2.73	25.09	34.66	0.02
250	12.14	34.877	26.49	0.24	0.021	0.501	4	2.88	28.34	36.30	0.01
300	11.17	34.816	26.62	0.18	0.016	0.517	3	3.07	33.84	37.57	0.00
400	8.61	34.670	26.94	0.31	0.028	0.538	5	3.39	46.01	43.14	0.00
500	7.97	34.640	27.02	0.43	0.038	0.536	7	3.43	50.32	43.97	0.00
600	7.30	34.615	27.09	0.57	0.051	0.533	9		57.87	44.85	0.00
1434	3.29	34.606	27.57					3.27	122.95	42.04	
2556	1.81	34.672	27.75	2.98	0.266	0.403	40	3.08	149.18	38.88	
2804	1.77	34.673	27.75	3.16	0.282	0.388	42	2.97	149.78	38.67	
3003	1.80	34.676	27.75	3.09	0.276	0.394	41	2.96	150.39	38.67	
3102	1.78	34.677	27.75	3.08	0.275	0.395	41	2.97	150.35	38.27	
3202	1.79	34.673	27.75	3.07	0.274	0.396	41	2.97	150.96	38.47	
3251	1.79	34.676	27.75	3.09	0.276	0.394	41	2.98	150.92	38.67	
3291	1.80	34.674	27.75	3.11	0.278	0.392	41	2.99	151.54	38.88	

OBSERVED VALUES

W 4 56 02 42.1 S 081 34.0 W DATE 05 NOV 71 0945 GCT WIRE 06
 DRY 70.9 WET 67.3 CRUISE YALOC71 WIND DIRECTION 19 VEL 14 KTS BAR 12
 SWELL DIRECTION 18 H 03 T 07 CLOUD 6 AMT 9 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	22.81	32.726	22.29	5.05	0.451	-0.017	104	0.13	1.40	0.00	0.00
25	21.99	32.852	22.61	5.17	0.462	-0.023	105	0.13	1.09	0.06	0.00
50	15.11	34.978	25.95	1.95	0.174	0.317	35	1.78	15.23	23.47	0.32
99	13.83	34.957	26.21	1.37	0.122	0.381	24	2.00	19.45	28.34	0.04
199	12.73	34.910	26.40	0.58	0.052	0.464	10	2.31	24.36	33.67	0.03
298	10.01	34.747	26.77	0.22	0.020	0.528	4	2.80	37.97	40.20	0.00
497	7.76	34.632	27.04	0.43	0.038	0.539	7	3.02	50.10	44.55	0.00
993	4.69	34.572	27.39	1.39	0.124	0.498	20	3.06	86.90	45.12	0.00
1490	3.18	34.609	27.58	1.87	0.167	0.479	26	3.01	119.89	43.49	0.00
1987	2.31	34.647	27.69	2.32	0.207	0.454	31	2.87	140.18	41.77	0.00
2483	1.84	34.668	27.74	2.85	0.255	0.415	38	2.70	143.19	40.43	0.00
2980	1.75	34.674	27.75	3.03	0.271	0.400	40	2.65	143.16	40.01	0.00
3503	1.82	34.678	27.75	3.05	0.272	0.397	41	2.62	142.88	39.42	
3850	1.91	34.680	27.75	3.17	0.283	0.386	42	2.66	141.01	39.41	
4049	1.78	34.678	27.75	3.47	0.310	0.360	46	2.58	136.88	38.82	
4148	1.78	34.683	27.76	3.38	0.302	0.368	45	2.57	134.07	38.06	
4248	1.76	34.684	27.76	3.43	0.306	0.364	46	2.55	132.43	38.06	
4297	1.76	34.685	27.76	3.43	0.306	0.364	46	2.56	131.88	38.05	
4322	1.76	34.684	27.76	3.43	0.306	0.364	46	2.56	132.39	38.05	

OBSERVED VALUES

W 4 57 02 42.3 S 081 18.3 W DATE 06 NOV 71 1445 GCT WIRE 00
 DRY 70.3 WET 67.4 CRUISE YALOC71 WIND DIRECTION 21 VEL 11 KTS BAR 14
 SWELL DIRECTION 19 H 03 T 05 CLOUD 8 AMT 6 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	22.85	32.710	22.26	5.07	0.453	-0.020	105	0.10	1.08	0.00	0.00
25	21.29	33.328	23.17	4.84	0.432	0.011	98	0.37	2.61	1.90	0.14
50	15.61	34.915	25.79	3.20	0.286	0.201	59	1.83	13.63	21.01	0.59
75	14.42	34.986	26.11	1.68	0.150	0.348	30	2.05	16.77	25.24	0.14
100	14.00	34.984	26.19	1.78	0.159	0.343	32	2.06	16.89	25.68	0.21
150	13.36	34.944	26.29	0.82	0.073	0.436	14	2.37	21.17	31.08	0.08
200	12.82	34.916	26.38	0.64	0.057	0.457	11	2.43	22.99	32.76	0.04
250	11.51	34.837	26.57	0.21	0.019	0.511	4	2.83	30.25	36.30	0.08
300	9.94	34.742	26.78	0.23	0.021	0.528	4	3.01	37.28	39.90	0.02
400	8.40	34.662	26.97	0.28	0.025	0.543	4	3.23	45.45	42.84	0.06
500	7.71	34.630	27.05	0.43	0.038	0.539	7	3.29	49.78	43.93	0.01
600	7.49	34.621	27.07	0.45	0.040	0.541	7	3.33	51.71	44.21	0.00
848	5.40	34.571	27.31	1.13	0.101	0.510	17	3.38	75.60	44.74	0.03
1047	4.21	34.579	27.45	1.52	0.136	0.494	22	3.38	96.73	44.20	0.02
1245	3.79	34.588	27.50	1.70	0.152	0.485	24	3.33	107.00	43.67	0.02
1344	3.60	34.595	27.53	1.72	0.154	0.486	24	3.33	111.03	43.42	0.01
1444	3.39	34.596	27.55	1.78	0.159	0.484	25	3.31	115.34	43.42	0.01
1513	3.20	34.609	27.58	1.86	0.166	0.480	26	3.27	119.51	42.91	0.02
1538	3.16	34.608	27.58	1.90	0.170	0.477	26	3.27	120.33	42.67	0.01
1553	3.03	34.615	27.60	1.94	0.173	0.476	27	3.24	123.92	42.68	0.00

OBSERVED VALUES

W 4 58 02 42.1 S 081 09.9 W DATE 06 NOV 71 1740 GCT WIRE 05
 DRY 72.7 WET 57.9 CRUISE YALOC71 WIND DIRECTION 24 VEL 12 KTS BAR 14
 SWELL DIRECTION 19 H 03 T 05 CLOUD 8 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AQU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L
0	23.05	32.662	22.17	5.10	0.455	-0.023	105	0.09	0.55	0.00	0.00
25	22.99	32.664	22.19	5.12	0.457	-0.025	106	0.10	0.44	0.00	0.00
50	16.88	34.581	25.24	2.82	0.252	0.224	53	1.41	11.41	15.77	0.76
75	14.71	34.994	26.05	1.85	0.165	0.330	33	1.65	16.22	24.16	0.26
100	14.40	34.994	26.12	1.72	0.154	0.344	31	2.00	16.56	25.84	0.19
150	13.35	34.944	26.30	0.97	0.087	0.422	17	2.27	21.79	30.61	0.07
200	12.93	34.929	26.37	0.81	0.072	0.441	14	2.33	22.77	32.13	0.07
250	12.23	34.886	26.48	0.34	0.030	0.491	6	2.58	27.10	35.39	0.05
300	9.55	34.726	26.83	0.23	0.021	0.533	4	2.98	40.12	41.26	0.02
400	8.12	34.651	27.00	0.36	0.032	0.540	6	3.16	48.16	44.26	0.03
500	7.80	34.637	27.04	0.42	0.038	0.539	7	3.14	50.74	44.80	0.01
600	7.24	34.619	27.11	0.53	0.047	0.537	8	3.25	55.41	45.33	0.01
644	6.51	34.599	27.19	0.79	0.071	0.524	12	3.28	63.21	45.61	0.01
694	5.86	34.581	27.26	1.00	0.089	0.515	15	3.27	70.14	46.17	0.01
719	5.98	34.575	27.24	1.04	0.093	0.510	15	3.23	71.58	46.17	0.01
734	5.78	34.577	27.27	1.09	0.097	0.508	16	3.23	73.07	46.17	0.01

OBSERVED VALUES

W 5 1 03 00.2 S 088 13.5 W DATE 13 NOV 71 0410 GCT WIRE 11
 DRY 69.1 WFT 67.0 CRUISE YALCC71 WIND DIRECTION 14 VEL 08 KTS BAR 15
 SWELL DIRECTION 18 H 02 T 06 CLOUD 8 AMT 2 WEATHER 02

DEPTH	TEMP DEG.C	SAL P/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.29	34.694	24.20	5.25	0.469	-0.030	107	0.76	2.32	7.28	0.14	
25	18.45	34.559	24.84	3.66	0.327	0.135	71	1.22	7.40	12.07	0.27	
49	15.60	34.997	25.85	2.54	0.227	0.259	47	1.63	12.82	19.05	0.54	0.445
74	15.22	34.975	25.92	2.35	0.210	0.280	43	1.69	14.10	20.27	0.47	
99	14.55	35.008	26.09	2.32	0.207	0.289	42	1.75	14.96	20.73	0.66	0.086
123	13.70	34.971	26.25	0.85	0.076	0.429	15	2.31	19.76	30.40	0.02	0.061
148	13.45	34.958	26.29	0.38	0.034	0.474	7	2.47	22.16	32.51	0.02	0.088
198	12.97	34.926	26.36	0.92	0.082	0.431	16	2.32	21.28	30.20	0.00	
247	12.23	34.883	26.47	0.22	0.020	0.502	4	2.71	26.70	34.53	0.00	0.015
296	11.31	34.824	26.60	0.17	0.015	0.517	3	2.81	31.03	35.95	0.00	
395	9.35	34.709	26.85	0.26	0.023	0.533	4	3.00	40.27	40.31	0.00	
494	7.92	34.634	27.02	0.32	0.029	0.546	5	3.22	48.82	43.98	0.00	
593	6.86	34.586	27.13	0.97	0.087	0.503	15	3.13	54.51	42.92	0.00	
1627	2.81	34.613	27.62	2.03	0.181	0.471	28	3.13	129.59	42.67	0.00	
2619	1.80	34.663	27.74	3.08	0.275	0.395	41	2.84	147.86	40.12	0.00	
2867	1.80	34.669	27.74	2.98	0.266	0.404	40	2.84	149.23	40.34	0.00	
3065	1.78	34.668	27.74	3.00	0.268	0.402	40	2.82	149.23	39.50	0.00	
3165	1.79	34.669	27.74	3.04	0.272	0.398	41	2.82	148.53	39.71	0.00	
3264	1.79	34.669	27.74	3.04	0.272	0.398	41	2.81	148.53	39.72	0.00	
3313	1.80	34.669	27.74	3.01	0.269	0.401	40	2.82	148.53	39.94	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/C O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
3353	1.81	34.672	27.75	3.12	0.279	0.391	42	2.83	148.52	40.38	0.00	

OBSERVED VALUES

W 5 2 02 30.0 S 088 14.9 W DATE 13 NOV 71 1025 GCT WIRE 15
 DRY 69.5 WET 66.8 CRUISE YALOC71 WIND DIRECTION 15 VEL 10 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 10 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.96	34.666	24.27	5.23	0.467	-0.025	106	0.68	2.29	6.77	0.17	
24	16.13	34.948	25.70	2.88	0.257	0.224	53	1.48	11.30	16.68	0.47	
49	14.94	35.028	26.02	2.17	0.194	0.299	39	1.73	14.74	20.94	0.40	0.129
73	14.51	35.008	26.10	1.96	0.175	0.322	35	1.83	16.03	22.91	0.08	
98	14.41	35.005	26.12	1.96	0.175	0.323	35	1.84	16.18	23.24	0.04	
122	14.29	34.995	26.14	1.93	0.172	0.327	35	1.88	16.52	23.67	0.14	0.043
146	13.65	34.973	26.26	0.30	0.027	0.479	5	2.48	21.69	32.60	0.03	0.054
195	13.06	34.943	26.36	1.01	0.090	0.422	18	2.28	21.00	30.41	0.00	
244	12.33	34.893	26.46	0.35	0.031	0.489	6	2.62	26.04	34.77	0.00	0.010
293	11.02	34.798	26.53	0.34	0.030	0.505	6	2.78	32.31	36.38	0.00	
390	9.70	34.730	26.81	0.37	0.033	0.518	6	2.99	39.26	39.55	0.00	
488	8.47	34.661	26.96	0.56	0.050	0.517	9	3.06	43.57	41.77	0.00	
586	7.33			0.56	0.050			3.21	53.18	44.35	0.00	

OBSERVED VALUES

W 5 3 02 00.9 S 088 18.1 W DATE 13 NOV 71 1448 GCT WIRE 09
 DRY 71.0 WET 68.1 CRUISE YALOC71 WIND DIRECTION 16 VEL 11 KTS BAR 16
 SWELL DIRECTION 16 H 02 T 06 CLOUD 6 AMT 3 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/C O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.72	34.509	24.22	5.12	0.457	-0.013	103	0.76	5.69	7.03	0.16	
25	16.02	35.011	25.77	2.69	0.240	0.242	50	1.56	14.05	17.65	0.55	
50	15.06	35.007	25.98	2.18	0.195	0.297	40	0.49	16.18	21.75	0.70	0.379
75	14.58	35.021	26.10	2.08	0.186	0.310	37	1.79	16.91	22.56	0.11	
100	14.29	34.992	26.14	1.86	0.166	0.333	33	1.89	18.08	24.20	0.03	0.111
125	14.09	34.982	26.17	1.86	0.166	0.335	33	1.91	18.56	24.08	0.00	0.054
150	14.05	35.004	26.20	2.16	0.193	0.308	38	1.81	17.55	22.97	0.00	0.078
200	12.96	34.930	26.37	0.95	0.085	0.428	17	2.30	23.06	30.49	0.00	
250	11.62	34.839	26.55	0.31	0.028	0.500	5	2.74	31.64	36.17	0.00	0.071
300	10.65	34.781	26.69	0.26	0.023	0.516	4	2.82	35.97	37.57	0.00	
400	9.46	34.725	26.85	0.25	0.022	0.532	4	3.00	42.14	40.58	0.00	
500	8.48	34.664	26.96	0.57	0.051	0.516	9	3.01	45.24	41.27	0.00	
600	7.47	34.611	27.07	0.89	0.079	0.502	14	3.10	50.94	43.24	0.00	

OBSERVED VALUES

W 5 4 01 30.0 S 086 15.0 W DATE 13 NOV 71 1853 GCT WIRE 04
 DRY 71.9 WET 69.8 CRUISE YALOC71 WIND DIRECTION 14 VEL 10 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 07 CLOUD 6 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.20	34.406	24.01	5.07	0.453	-0.012	103	0.67	4.56	6.26	0.15	
25	15.38	35.008	25.91	2.75	0.246	0.243	50	1.48	13.21	17.61	0.48	
50	14.52	35.022	26.11	2.09	0.187	0.310	38	1.72	16.10	21.83	0.11	0.189
75	14.22	35.018	26.17	2.05	0.183	0.317	37	1.75	16.51	22.04	0.05	
100	14.02	35.008	26.21	2.01	0.180	0.322	36	1.79	16.93	22.29	0.02	0.055
125	13.96	34.989	26.21	1.85	0.165	0.337	33	1.86	17.80	23.55	0.00	0.039
150	13.92	34.985	26.21	1.84	0.164	0.338	33		18.14	23.48	0.00	0.047
200	13.64	34.986	26.27	1.87	0.167	0.339	33	1.89	17.94	24.03	0.00	
250	12.95	34.971	26.40	1.60	0.143	0.370	28	1.96	19.00	24.83	0.00	0.003
300	11.88	34.892	26.55	0.26	0.023	0.502	4	2.61	27.60	32.69	0.00	
400	9.96	34.773	26.80	0.29	0.026	0.522	5	2.82	36.30	35.81	0.00	
500	8.71	34.693	26.94	0.32	0.029	0.536	5	3.08	44.44	40.11	0.00	
600	8.07	34.656	27.01	0.56	0.050	0.523	9	3.03	47.34	39.70	0.00	
762	5.82	34.578	27.26	1.24	0.111	0.494	18	3.16	70.91	42.70	0.00	
1247	3.87	34.585	27.49	1.79	0.160	0.475	25	3.22	108.03	41.73	0.00	
1494	3.44	34.603	27.55	1.89	0.169	0.473	26	3.16	119.51	43.24	0.00	
1692	2.83	34.627	27.62	2.09	0.187	0.465	29	3.10	134.58	41.76	0.00	
1791	2.73	34.632	27.64	2.17	0.194	0.460	30	3.08	137.36	41.77	0.00	
1890	2.47	34.644	27.67	2.25	0.201	0.457	31	3.02	143.97	41.31	0.00	
1939	2.41	34.643	27.67	2.32	0.207	0.452	31	3.00	145.22	41.56	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
1979	2.38	34.648	27.68	2.33	0.208	0.452	32	3.05	145.20	41.81	0.00	

OBSERVED VALUES

W 5 5 01 00.0 S 088 15.0 W DATE 23 NOV 71 2350 GCT WIRE 05
 DRY 71.0 WET 67.0 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD AMT WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.77	34.446	24.15	5.16	0.461	-0.017	104	0.61	3.39	6.29	0.19	
25	19.98	34.458	24.37	4.94	0.441	0.009	98	0.72	4.26	7.34	0.24	
50	16.75	34.870	25.49	2.98	0.266	0.210	56	1.42	10.68	17.91	0.31	0.923
75	14.55	34.991	26.08	2.03	0.181	0.315	37	1.80	16.33	24.25	0.15	
100	14.09	34.966	26.16	1.85	0.165	0.336	33	1.87	17.76	25.17	0.05	0.058
125	13.91	34.953	26.19	1.92	0.171	0.332	34	1.91	18.18	25.37	0.03	0.036
150	13.87	34.954	26.20	1.89	0.169	0.335	34	1.90	18.14	25.30	0.02	0.097
200	13.12	34.917	26.32	1.19	0.106	0.405	21	2.21	21.47	30.75	0.01	
249	11.46	34.814	26.57	0.37	0.033	0.497	6	2.67	31.23	36.55	0.00	0.007
299	10.65	34.759	26.67	0.35	0.031	0.509	6	2.80	35.33	38.55	0.00	
399	9.23	34.683	26.85	0.35	0.031	0.526	6	2.96	42.36	41.77	0.00	
499	8.18	34.652	26.98	0.57	0.051	0.521	9	3.04	48.14	43.02	0.00	
599	6.98	34.579	27.11	0.92	0.082	0.506	14	3.14	56.80	44.37	0.00	

OBSERVED VALUES

W 5 6 00 42.4 S 088 14.3 W DATE 14 NOV 71 0250 GCT WIRE 10
 DRY 70.0 WET 66.5 CRUISE YALOC71 WIND DIRECTION 16 VEL 08 KTS BAR 14
 SWELL DIRECTION 16 H 02 T 06 CLOUD 8 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL P/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L	RETS
0	21.80	33.651	23.27	5.06	0.452	-0.014	103	0.41	2.49	2.64	0.07	
25	20.37	34.351	24.19	4.98	0.445	0.002	99	0.68	3.98	6.49	0.21	
50	14.47	34.981	26.09	1.96	0.175	0.322	35	1.65	16.35	23.71	0.14	
75	13.95			1.85	0.166			1.74	17.83	24.83	0.04	
100	13.90	34.950	26.19	1.92	0.171	0.332	34	1.74	17.71	24.30	0.02	
125	13.65	34.962	26.25	1.98	0.177	0.329	35	1.77	17.69	24.70	0.01	
150	13.29	34.935	26.30	1.03	0.092	0.418	19	2.11	20.87	29.76	0.01	
200	12.63	34.890	26.40	0.74	0.066	0.451	13	2.37	24.73	32.93	0.01	
250	11.52	34.823	26.56	0.34	0.030	0.499	6	2.62	30.77	35.75	0.00	
300	10.69	34.769	26.67	0.37	0.033	0.506	6	2.64	34.05	37.28	0.00	
400	9.21	34.686	26.86	0.39	0.035	0.523	6	2.92	42.42	41.33	0.00	
500	8.04	34.627	27.00	0.64	0.057	0.516	10	2.99	48.44	42.53	0.00	
600	7.07	34.592	27.11	0.82	0.073	0.514	12	3.10	56.76	44.10	0.00	

OBSERVED VALUES

W 5 7 00 00.0 S 088 15.0 W DATE 14 NOV 71 1228 GCT WIRE 03
 DRY 71.2 WET 57.5 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR 14
 SWELL DIRECTION 16 H 02 T 05 CLOUD 8 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.29	32.765	22.18	4.99	0.446	-0.016	104	0.23	1.31	0.66	0.00	
25	21.10	33.820	23.59	4.93	0.440	0.003	99	0.53	3.17	4.21	0.09	
50	14.59	34.999	26.08	2.09	0.187	0.309	38	1.71	14.68	24.21	0.19	0.126
75	13.93	34.975	26.20	1.84	0.164	0.333	33	1.87	17.86	26.74	0.04	
100	13.71	34.965	26.24	1.95	0.174	0.331	34	1.87	18.21	26.15	0.00	0.045
125	13.31	34.954	26.31	1.84	0.164	0.345	32	1.95	19.30	27.25	0.00	0.019
150	13.11	34.938	26.34	1.53	0.137	0.375	27	2.07	20.50	28.84	0.00	0.003
200	12.65	34.908	26.41	0.72	0.064	0.452	12	2.40	24.29	33.57	0.00	
250	11.30	34.822	26.60	0.54	0.048	0.484	9	2.65	31.14	38.90	0.00	0.014
300	10.59	34.763	26.68	0.56	0.050	0.490	9	2.69	33.51	40.36	0.00	
400	8.99	34.690	26.90	0.31	0.028	0.533	5	3.02	43.44	42.21	0.00	
500	7.68	34.625	27.05	0.67	0.060	0.518	10	3.13	50.80	44.03	0.00	
600	6.90	34.597	27.14	0.83	0.074	0.515	13	3.19	58.23	47.05	0.00	
745	5.99	34.573	27.24	1.06	0.095	0.508	16	3.25	68.93	45.17	0.00	
1589	2.83	34.617	27.62	2.01	0.180	0.473	28	3.13	134.81	43.76	0.00	
1837	2.49	34.639	27.66	2.24	0.200	0.458	30	3.05	143.89	42.97	0.00	
2036	2.25	34.651	27.69	2.34	0.209	0.453	32	3.01	150.26	42.72	0.00	
2135	2.20	34.655	27.70	2.37	0.212	0.451	32	3.03	153.69	41.98	0.00	
2234	2.12	34.661	27.71	2.42	0.216	0.448	33	3.02	154.38	41.75	0.00	
2284	2.10	34.659	27.71	2.44	0.218	0.447	33	3.02	155.80	41.75	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AQU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
2323	2.08	34.662	27.72	2.46	0.220	0.445	33	2.99	155.78	41.75	0.00	

OBSERVED VALUES

W 5 R 00 30.0 N 088 15.1 W DATE 14 NOV 71 1738 GCT WIRE 03
 DRY 74.3 WET 69.6 CRUISE YALOC71 WIND DIRECTION 16 VEL 08 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 08 CLOUD 8 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.43	32.748	21.84	4.85	0.433	-0.011	103	0.27	1.48	0.51	0.00	
25	17.03	34.637	25.25	3.14	0.280	0.194	59	1.31	9.02	13.37	0.15	
50	14.44	34.989	26.10	2.01	0.180	0.318	36	1.82	17.06	21.40	0.14	0.228
75	13.85	34.959	26.21	1.98	0.177	0.327	35	1.91	18.71	22.70	0.01	
100	13.62	34.961	26.25	1.93	0.172	0.334	34	1.94	19.17	22.99	0.00	
125	13.41	34.935	26.28	2.09	0.187	0.322	37	1.89	19.44	22.36	0.00	0.052
150	13.13	34.937	26.34	1.61	0.144	0.367	28	2.11	21.05	25.25	0.00	0.041
200	12.59	34.892	26.41					2.30	24.11	33.09	0.00	
250	11.65	34.836	26.55	0.79	0.071	0.457	13	2.52	29.59	33.37	0.00	0.079
300	10.38	34.744	26.71	0.63	0.056	0.487	10	2.75	35.09	35.15	0.00	
400	9.06	34.689	26.88	0.32	0.029	0.531	5	3.06	43.90	39.46	0.00	
500	8.33	34.652	26.97	0.55	0.049	0.520	9	3.12	47.40	40.52	0.00	
600	7.08	34.598	27.11	0.72	0.064	0.522	11	3.34	53.50	42.65	0.00	

OBSERVED VALUES

W 5 9 01 00.0 N 088 15.0 W DATE 14 NOV 71 2155 GCT WIRE 00
 DRY 73.0 WET 68.9 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR 12
 SWELL DIRECTION 17 H 02 T 08 CLUD 9 AMT 7 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.71	32.768	21.77	4.82	0.430	-0.010	102	0.26	1.36	0.38	0.00	
25	15.37	34.995	25.90	2.49	0.222	0.266	46	1.61	12.11	22.53	0.35	
50	14.36	34.983	26.12	1.95	0.174	0.324	35	1.87	16.79	26.70	0.08	0.200
75	13.76	34.953	26.22	2.01	0.180	0.325	36	1.90	17.88	27.54	0.01	
100	13.57	34.942	26.25	2.04	0.182	0.324	36	1.90	18.18	26.80	0.00	0.071
125	13.37	34.930	26.28	2.16	0.193	0.316	38	1.90	18.49	26.72	0.00	0.139
150	13.31	34.928	26.29	1.96	0.175	0.334	34	1.93	19.07	27.75	0.00	0.036
200	12.92	34.909	26.36	1.51	0.135	0.379	26	2.12	21.30	31.72	0.00	
250	12.34	34.866	26.44	0.91	0.081	0.439	16	2.38	24.69	35.89	0.00	0.030
300	10.38	34.758	26.72	0.39	0.035	0.508	6	2.81	35.27	42.93	0.00	
400	9.19	34.696	26.87	0.35	0.031	0.527	6	3.01	43.22	45.96	0.00	
500	8.13	34.638	26.99	0.55	0.049	0.523	9	3.12	46.68	48.20	0.00	
600	7.08	34.597	27.11	0.90	0.080	0.506	14	3.16	54.43	49.58	0.00	

OBSERVED VALUES

W 5 10 01 30.0 N 088 15.0 W DATE 15 NOV 71 0550 GCT WIRE 10
 DRY 74.5 WET 70.1 CRUISE YALOC71 WIND DIRECTION 16 VEL 08 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.84							0.24	1.36	0.46	0.00	
25	24.84	32.937	21.86	4.79	0.428	-0.009	102	1.74	14.39	27.10	0.56	
50	15.18	34.988	25.94	2.09	0.187	0.304	38	1.83	16.97	27.74	0.02	0.386
100	13.97	34.960	26.18	2.08	0.186	0.317	37	2.01	18.67	31.76	0.00	0.083
125	13.64	34.950	26.24	1.70	0.152	0.354	30	2.04	19.17	30.30	0.00	0.043
150	13.51	34.940	26.26	1.59	0.142	0.365	28	2.19	20.76	33.97	0.00	0.040
200	13.00	34.913	26.34	1.45	0.130	0.383	25	2.39	24.97	37.17	0.00	
250	12.25	34.866	26.46	0.96	0.086	0.435	16	2.63	29.69	41.60	0.00	0.034
300	11.10	34.772	26.60	0.82	0.073	0.461	14	3.02	39.88	46.69	0.00	
400	9.37	34.705	26.85	0.39	0.035	0.521	6	3.16	46.33	49.02	0.00	
500	8.13	34.639	26.99	0.56	0.050	0.522	9	3.23	57.29	52.35	0.00	
600	6.84	34.592	27.14	0.81	0.072	0.518	12	3.30	110.54	52.36	0.00	
1254	3.67	34.591	27.52	1.71	0.153	0.486	24	3.38	141.04	48.50	0.00	
1849	2.37	34.640	27.67	2.33	0.208	0.452	32	3.09	148.00	47.72	0.00	
2097	2.21	34.655	27.70	2.32	0.207	0.455	31	3.07	150.71		0.00	
2296	2.08	34.659	27.71	2.39	0.213	0.451	32	2.99	152.10	44.88	0.00	
2395	2.07	34.661	27.72	2.41	0.215	0.450	32	2.99	152.07	46.74	0.00	
2494	2.06	34.663	27.72	2.41	0.215	0.450	32	3.01	152.75	46.74	0.00	
2543	2.07	34.657	27.71	2.38	0.213	0.452	32	3.04	153.45	47.24	0.00	
2583	2.06	34.661	27.72	2.39	0.213	0.452	32					

OBSERVED VALUES

W 5 11 01 59.7 N 088 14.3 W DATE 15 NOV 71 1058 GCT WIRE 04
 DRY 74.8 WET 71.0 CRUISE YALGC71 WIND DIRECTION 17 VEL 10 KTS BAR 12
 SWELL DIRECTION 17 H 02 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIC4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.07	34.597	23.04	0.90	0.080	0.332	19	0.24	1.63	0.20	0.00	
25	25.16	33.325	22.05	4.85	0.433	-0.018	104	0.26	1.59	0.14	0.00	
50	15.47	35.007	25.89	2.21	0.197	0.290	40	1.69	14.37	24.26	0.48	0.407
75	14.90	35.002	26.01	2.01	0.180	0.313	36	1.79	15.67	26.10	0.11	
100	14.51	34.983	26.08	1.93	0.172	0.324	35	1.86	16.65	26.93	0.02	0.249
125	14.31	34.978	26.12	1.95	0.174	0.325	35	1.86	17.04	26.95	0.01	0.101
150	13.69	34.946	26.23	1.95	0.174	0.331	34	1.91	17.96	27.64	0.00	0.096
200	13.10	34.916	26.33	1.53	0.137	0.375	27	2.21	20.52	34.50	0.00	
250	12.28	34.855	26.44	0.84	0.075	0.446	14	2.41	24.95	37.65	0.00	
300	10.54	34.734	26.67	0.88	0.079	0.463	15	2.66	31.43	39.05	0.00	
400	9.31	34.700	26.85	0.33	0.029	0.527	5	3.05	40.39	46.24	0.00	
500	7.97	34.632	27.01	0.41	0.037	0.538	6	3.22	49.38	50.79	0.00	
600	6.60	34.583	27.17	1.01	0.050	0.503	15	3.28	59.68	50.79	0.00	

OBSERVED VALUES

W 5 12 02 29.9 N 088 15.0 W DATE 15 NOV 71 1508 GCT WIRE 05
 DRY 77.2 WET 71.8 CRUISE YALOC71 WIND DIRECTION 16 VEL 06 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 09 CLOUD 6 AMT 5 WEATHER

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/C O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.37	33.534	22.14	4.77	0.426	-0.012	103	0.30	2.05	0.50	0.00	
25	25.37	33.536	22.15	4.76	0.425	-0.011	103	0.35	2.22	0.66	0.00	
50	16.04	34.960	25.73	2.03	0.181	0.301	38	1.73	14.20	24.05	0.32	0.309
75	14.90	34.948	25.97	1.45	0.130	0.364	26	2.05	17.32	29.59	0.03	
100	14.50	34.975	26.08	1.85	0.165	0.332	33	1.88	16.75	26.04	0.01	0.205
125	14.10	34.953	26.15	1.26	0.113	0.389	22	2.15	18.92	30.72	0.00	
150	13.86	34.951	26.20	1.53	0.137	0.367	27	2.05	18.88	28.78	0.01	0.058
200	13.09	34.911	26.32	1.06	0.095	0.417	19	2.30	21.59	32.89	0.01	
250	12.50	34.873	26.41	0.98	0.088	0.431	17	2.39	24.03	33.97	0.00	0.038
300	10.88	34.757	26.63	0.48	0.043	0.494	8	2.73	32.19	39.29	0.00	
400	8.98	34.682	26.89	0.34	0.030	0.530	5	3.10	43.53	45.62	0.00	
500	7.75	34.626	27.04	0.27	0.024	0.553	4	3.28	53.35	49.14	0.00	
600	6.71	34.585	27.15	0.80	0.071	0.520	12	3.29	59.64	49.42	0.00	

OBSERVED VALUES

W 5 13 03 00.0 N 088 14.3 W DATE 15 NOV 71 1910 GCT WIRE 02
 DRY 79.0 WET 73.5 CRUISE YALOC71 WIND DIRECTION 16 VEL 10 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 8 AMT 2 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.92	33.558	21.99	4.75	0.424	-0.014	103	0.35	1.87	1.08	0.01	
25	25.91	33.552	22.12	4.77	0.426	-0.013	103	0.36	1.88	1.03	0.01	
50	17.22	34.945	25.44	2.17	0.194	0.278	41	1.69	12.61	20.22	0.47	0.410
75	15.57			1.59	0.142			2.00	16.15	24.51	0.05	
100	14.80	34.959	26.00	1.63	0.146	0.348	29	2.04	17.24	24.75	0.01	0.069
125	14.23	34.950	26.12	1.36	0.121	0.378	24	2.06	18.81	26.40	0.00	0.072
150	13.90	34.947	26.19	1.13	0.101	0.402	20	2.19	20.52	27.79	0.00	0.068
200	13.06	34.909	26.33	0.72	0.064	0.448	13	2.49	24.56	30.51	0.00	
250	12.10	34.853	26.47	0.42	0.038	0.485	7	2.75	28.77	32.85	0.00	0.040
300	10.67	34.748	26.66	0.48	0.043	0.497	8	2.94	35.30	33.22	0.00	
400	8.37	34.654	26.97	0.27	0.024	0.545	4	3.31	50.56	39.16	0.00	
500	7.45	34.617	27.07	0.38	0.034	0.547	6	3.46	57.72	40.11	0.00	
600	6.31	34.579	27.20	0.76	0.068	0.530	11	3.47	67.37	40.79	0.00	
813	5.28	34.564	27.32	1.29	0.115	0.498	19	3.38	80.66	41.15	0.00	
912	5.04	34.564	27.35	1.38	0.123	0.494	20	3.25	84.35	41.15	0.00	
1011	4.68	34.569	27.39	1.37	0.122	0.500	20	3.31	92.82	41.15	0.00	
1060	4.51	34.572	27.41	1.43	0.128	0.497	20	3.31	95.47	41.16	0.00	
1100	4.36	34.574	27.43	1.44	0.129	0.499	21	3.31	98.87	41.16	0.00	

OBSERVED VALUES

W 5 14 03 01.0 N 089 00.2 W DATE 16 NOV 71 0115 GCT WIRE 00
 DRY 76.0 WET 72.0 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 7 WEATHER 03

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.55	33.574	22.12	4.77	0.426	-0.014	103	0.32	2.54	1.00	0.00	
25	25.43	33.564	22.15	4.76	0.425	-0.012	103	0.50	2.55	1.07	0.00	
50	16.54	34.917	25.58	2.43	0.217	0.261	45	1.75	12.63	19.71	0.31	0.993
75	15.27	34.996	25.93	2.14	0.191	0.298	39	1.85	14.79	21.80	0.45	
100	14.40	34.955	26.09	1.81	0.162	0.336	32	2.09	17.39	24.46	0.04	0.162
125	13.99	34.949	26.17	2.14	0.191	0.311	38	1.97	17.34	23.22	0.02	0.099
150	13.65	34.941	26.23	2.14	0.191	0.315	38	1.94	17.46	23.41	0.01	0.059
200	13.09	34.913	26.33	1.37	0.122	0.389	24	2.36	21.04	25.70	0.00	
250	12.56	34.870	26.40	0.87	0.078	0.440	15	2.47	24.13	30.89	0.02	0.066
300	11.06	34.759	26.60	0.74	0.066	0.469	12	2.75	30.76	32.96	0.01	
400	8.54	34.646	26.93	0.39	0.035	0.532	6	3.25	45.60	38.49	0.01	
500	7.77	34.625	27.03	0.30	0.027	0.550	5	3.33	53.65	39.72	0.00	
600	6.71	34.587	27.15	0.52	0.046	0.545	8	3.41	63.05	41.43	0.00	

OBSERVED VALUES

W 5 15 02 59.9 N 090 00.0 W DATE 16 NOV 71 0830 GCT WIRE 08
 DRY 76.1 WET 73.3 CRUISE YALOC71 WIND DIRECTION 18 VEL 12 KTS BAR 12
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 8 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.53	33.629	22.17	4.78	0.427	-0.015	104	0.28	1.83	0.86	0.00	
25	25.54	33.635	22.17	4.81	0.430	-0.017	104	0.28	1.86	0.83	0.00	
50	19.34	34.545	24.61	3.05	0.272	0.182	60	1.26	9.19	14.92	0.21	0.970
75	15.71	34.962	25.80	2.00	0.179	0.307	37	1.80	14.84	22.41	0.47	
100	14.69	34.951	26.02	1.38	0.123	0.372	25	2.04	17.89	26.66	0.06	0.221
125	13.95	34.945	26.17	2.14	0.191	0.311	38	1.81	17.76	23.55	0.01	0.231
150	13.56	34.941	26.25	1.84	0.164	0.342	32	1.97	19.00	25.55	0.00	0.131
200	12.98	34.912	26.35	1.22	0.109	0.404	21	2.21	21.97	28.94	0.00	
250	12.24	34.857	26.45	0.76	0.068	0.453	13	2.45	25.71	31.95	0.01	0.119
300	11.27	34.772	26.57	0.97	0.087	0.446	16	2.49	28.82	32.12	0.02	
400	8.54	34.655	26.94	0.40	0.036	0.531	6	3.14	45.50	39.14	0.02	
500	7.58	34.621	27.06	0.31	0.028	0.552	5	3.28	55.23	40.76	0.02	
600	6.58	34.587	27.17	0.55	0.049	0.545	8	3.32	64.81	41.85	0.02	
939	4.31	34.570	27.43	1.51	0.135	0.493	21	3.32	98.42	41.48	0.03	
1429	3.41	34.598	27.55	1.85	0.165	0.477	26	3.27	120.59	40.77	0.03	
1677	2.85	34.624	27.62	2.04	0.182	0.470	28	3.21	135.12	40.42	0.04	
1875	2.36	34.640	27.68	2.55	0.228	0.432	35	3.11	143.50	39.46	0.03	
1974	2.37	34.642	27.68	2.30	0.205	0.454	31	3.04	146.08	39.17	0.02	
2073	2.21	34.648	27.69	2.41	0.215	0.447	32	3.00	148.78	38.86	0.03	
2122	2.18	34.648	27.70	2.41	0.215	0.448	32	3.05	149.44	38.88	0.02	

OBSERVED VALUES

W 5 16 02 30.0 N 089 59.0 W DATE 16 NOV 71 1345 GCT WIRE 08
 DRY 76.3 WET 73.7 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 06 CLOUD 6 AMT 2 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.27	33.532	22.17	4.82	0.430	-0.016	104	0.28	2.00	0.75	0.00	
25	25.28	33.532	22.17	4.82	0.430	-0.016	104	0.30	1.91	0.75	0.00	
50	16.39	34.859	25.57	2.64	0.236	0.243	49	1.53	11.29	18.83	0.25	0.651
75	14.85	35.001	26.02	2.19	0.196	0.298	40	1.75	15.54	22.09	0.26	
100	14.50	34.977	26.08	2.08	0.186	0.311	37	1.78	16.52	22.80	0.19	0.202
125	14.05	34.974	26.17	2.02	0.180	0.321	36	1.85	17.60	23.75	0.00	0.278
150	13.78	34.955	26.22	1.93	0.172	0.332	34	1.90	18.34	24.74	0.00	0.161
200	12.98	34.906	26.34	1.05	0.094	0.419	18	2.29	22.34	29.80	0.00	
250	12.43	34.869	26.47	0.80	0.071	0.448	14	2.40	24.86	31.79	0.00	0.060
300	10.62	34.740	26.66	0.70	0.063	0.478	12	2.67	32.61	33.77	0.00	
400	8.73	34.667	26.92	0.30	0.027	0.537	5	3.10	46.00	39.32	0.00	
500	7.60	34.619	27.05	0.45	0.040	0.539	7	3.25	53.48	41.29	0.00	
600	6.90	34.593	27.13	0.76	0.068	0.521	12	3.22	58.40	41.65	0.00	

OBSERVED VALUES

W 5 17 02 00.1 N 090 00.9 W DATE 16 NOV 71 1755 GCT WIRE 13
 DRY 76.9 WET 72.5 CRUISE YALOC71 WIND DIRECTION 18 VEL 18 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 8 AMT 2 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L	RETS
0	25.09	33.349	22.09	4.84	0.432	-0.016	104	0.24	1.48	0.21	0.00	
25	24.92	33.399	22.18	4.85	0.433	-0.016	104	0.12	1.49	0.24	0.01	
50	14.92	35.002	26.01	2.17	0.194	0.299	39	1.61	15.38	21.67	0.30	0.651
74	14.59	35.001	26.08	2.08	0.186	0.310	37	1.65	16.12	22.31	0.21	
99	14.30	34.986	26.13	2.03	0.181	0.318	36	1.75	16.86	22.77	0.08	0.304
124	13.99	34.961	26.18	1.95	0.174	0.328	35	1.79	17.90	24.02	0.03	0.221
149	13.95	34.969	26.19	2.08	0.186	0.317	37	1.77	17.75	23.42	0.02	0.114
198	13.40	34.978	26.27	1.45	0.130	0.379	25	2.05	20.22	26.86	0.00	
248	12.54	34.872	26.40	0.77	0.069	0.449	13	2.34	24.49	31.26	0.00	0.141
297	11.09	34.785	26.61	0.56	0.050	0.484	9	2.58	32.11	34.13	0.00	
396	9.28	34.701	26.86	0.39	0.035	0.522	6	2.97	41.96	37.85	0.00	
495	7.92	34.629	27.01	0.62	0.055	0.520	10	3.06	48.82	39.29	0.00	
594	6.88	34.589	27.13	0.93	0.083	0.506	14	3.17	57.54	40.24	0.00	

OBSERVED VALUES

W 5 18 01 30.0 N 090 00.0 W DATE 16 NOV 71 2210 GCT WIRE 15
 DRY 75.0 WET 72.0 CRUISE YALOC71 WIND DIRECTION 16 VEL 18 KTS BAR 10
 SWELL DIRECTION 17 H 03 T 08 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.63	32.854	21.86	4.89	0.437	-0.016	104	0.18	0.94	0.15	0.00	
25	24.42	33.495	22.40	4.68	0.418	0.002	99	0.41	1.46	1.42	0.03	
50	14.66	35.005	26.07	2.11	0.188	0.307	38	1.72	16.06	21.99	0.24	0.394
75	14.28	34.985	26.13	2.12	0.189	0.310	38	1.83	17.09	22.99	0.05	
100	14.13	34.975	26.16	2.03	0.181	0.319	36	1.83	17.32	23.09	0.04	0.245
125	13.92	34.956	26.19	2.08	0.186	0.317	37	1.83	17.83	23.17	0.05	0.192
150	13.58	34.948	26.25	1.92	0.171	0.335	34	1.89	18.90	24.27	0.02	0.195
200	13.28	34.929	26.30	1.84	0.164	0.345	32	1.94	19.80	25.05	0.01	
249	12.57	34.888	26.41	1.04	0.093	0.425	18	2.27	24.25	29.54	0.00	0.148
299	11.52	34.811	26.55	0.48	0.043	0.487	8	2.59	30.58	32.79	0.00	
399	9.35	34.705	26.85	0.29	0.026	0.530	5	2.89	41.98	37.48	0.00	
499	8.19	34.640	26.98	0.65	0.058	0.513	10	3.00	46.92	38.63	0.00	
599	6.94	34.600	27.13	0.81	0.072	0.516	12	3.13	58.68	39.89	0.00	

OBSERVED VALUES

W 5 19 01 09.3 N 090 01.6 W DATE 17 NOV 71 0230 GCT WIRE 05
 DRY 74.2 WET 70.6 CRUISE YALOC71 WIND DIRECTION 18 VEL 16 KTS BAR 14
 SWELL DIRECTION 18 H 03 T 06 CLOUD 8 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.18	32.720	21.89	4.92	0.439	-0.015	104	0.17	1.04	0.51	0.00	
25	22.08	33.872	23.36	3.94	0.352	0.084	81	0.70	5.31	7.95	0.11	
50	14.27	34.980	26.13	2.17	0.194	0.305	39	1.66	16.56	22.59	0.06	0.413
74	13.85	34.961	26.21	2.15	0.192	0.312	38	1.74	17.45	23.20	0.03	
99	13.58	34.946	26.25	2.09	0.187	0.320	37	1.76	18.36	23.39	0.02	0.224
124	13.42	34.934	26.27	2.17	0.194	0.314	38	1.77	18.62	23.66	0.01	0.206
149	13.29	34.925	26.29	2.30	0.205	0.304	40	1.72	18.59	23.06	0.02	0.155
199	12.94	34.915	26.36	2.11	0.188	0.325	37	1.81	19.61	24.22	0.00	
248	12.09	34.854	26.48	0.64	0.057	0.466	11	2.41	26.88	32.00	0.00	0.108
298	10.92			0.41	0.037			2.63	32.80	34.70	0.00	
397	8.99	34.689	26.90	0.32	0.029	0.532	5	2.66	32.89	34.92	0.00	
496	7.64	34.617	27.05	0.71	0.063	0.515	11	3.06	49.86	40.00	0.00	
596	7.03	34.601	27.12	0.72	0.064	0.523	11	3.10	57.45	40.68	0.00	
934	4.96	34.559	27.35	1.53	0.137	0.481	22	3.04	83.07	40.34	0.00	
1286	3.70	34.588	27.51	1.67	0.149	0.489	23	3.09	113.92	41.05	0.00	
1533	3.04	34.614	27.60	1.92	0.171	0.477	26	3.00	130.22	40.02	0.00	
1730	2.68	34.631	27.64	2.04	0.182	0.472	28	3.03	139.29	39.69	0.00	
1829	2.51	34.636	27.66	2.21	0.197	0.460	30	2.93	143.04	39.70	0.00	
1927	2.36	34.643	27.68	2.32	0.207	0.453	31	2.93	147.02	39.08	0.00	
1977	2.26	34.649	27.69	2.33	0.208	0.454	31	2.94	149.81	39.08	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
2016	2.22	34.649	27.69	2.33	0.208	0.454	31	2.90	150.51	38.78	0.00	

OBSERVED VALUES

W 5 20 00 30.5 N 089 59.6 W DATE 17 NOV 71 1040 GCT WIRE 10
 DRY 72.0 WET 70.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 18 KTS BAR 12
 SWELL DIRECTION 17 H 03 T 08 CLOUD 6 AMT 6 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.29	32.851	22.25	4.93	0.440	-0.011	102	0.23	1.43	1.11	0.01	
25	20.75	33.763	23.64	3.91	0.349	0.097	78	0.77	4.65	8.53	0.10	
50	15.60	34.911	25.79	2.67	0.238	0.248	49	1.51	10.91	19.45	0.25	0.524
75	14.03	34.970	26.18	2.11	0.188	0.313	38	1.79	17.13	23.23	0.03	
100	13.59	34.952	26.25	2.07	0.185	0.321	37	1.84	18.10	23.69	0.01	0.172
125	13.35	34.932	26.29	2.15	0.192	0.317	38	1.85	18.53	23.98	0.00	0.102
150	13.20	34.927	26.31	2.29	0.205	0.306	40	1.80	18.41	23.01	0.00	0.072
200	12.49	34.889	26.43	1.29	0.115	0.403	22	2.20	23.34	28.58	0.00	
250	11.69	34.837	26.54	0.68	0.061	0.467	12	2.53	28.56	32.65	0.00	0.115
300	10.71	34.780	26.68	0.39	0.035	0.504	6	2.75	33.67	35.57	0.00	
400	9.07	34.694	26.89	0.34	0.030	0.529	5	2.90	42.60	38.48	0.00	
500	7.62	34.621	27.05	0.72	0.064	0.515	11	2.97	50.22	40.07	0.00	
600	7.00	34.601	27.13	0.77	0.069	0.519	12	3.04	57.33	41.14	0.00	

OBSERVED VALUES

W 5 21 00 00.0 N 090 00.0 W DATE 18 NOV 71 0115 GCT WIRE 20
 DRY 71.0 WET 68.0 CRUISE YALOC71 WIND DIRECTION 17 VFL 15 KTS BAR 10
 SWELL DIRECTION 19 H 03 T CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.89	33.574	23.19	4.91	0.439	-0.001	100	0.53	2.67	0.82	0.08	
25	21.91	33.606	23.21	4.93	0.440	-0.003	101	0.54	2.65	0.85	0.08	
50	14.50	34.987	26.09	1.98	0.177	0.320	36	1.81	16.48	23.16	0.19	
74	14.04	34.989	26.19	2.02	0.180	0.321	36	1.86	16.89	23.47	0.06	
99	13.65	34.970	26.26	1.88	0.168	0.338	33	1.94	18.26	24.78	0.00	0.088
124	13.30	34.930	26.30	2.03	0.181	0.328	36	1.97	18.95	24.38	0.00	
149	12.88	34.910	26.37	1.71	0.153	0.361	30	2.08	21.01	26.40	0.00	0.081
199	12.80	34.909	26.38	1.64	0.146	0.368	28	2.14	21.63	26.63	0.00	
249	12.59	34.897	26.41	1.53	0.137	0.380	26	2.22	23.02	27.24	0.00	0.091
298	11.52	34.826	26.56	0.64	0.057	0.472	11	2.63	29.48	32.59	0.00	
397	9.44	34.714	26.84	0.35	0.031	0.524	6	3.06	40.18	37.51	0.00	
496	8.11	34.643	27.00	0.62	0.055	0.517	10	3.16	46.97	39.05	0.00	
596	7.34	34.609	27.08	0.72	0.064	0.519	11	3.24	53.03	39.72	0.00	
789	6.11	34.574	27.22	1.06	0.095	0.506	16	3.27	66.50	40.07	0.00	
838	5.47	34.563	27.29	1.34	0.120	0.491	20	3.31	75.33	40.44	0.00	
878	5.42	34.565	27.30	1.38	0.123	0.488	20	3.31	76.18	40.08	0.00	

OBSERVED VALUES

W 5 22 00 30.0 S 090 00.0 W DATE 18 NOV 71 0606 GCT WIRE 12
 DRY 70.8 WET 67.8 CRUISE YALOC71 WIND DIRECTION 16 VEL 14 KTS BAR 14
 SWELL DIRECTION 19 H 02 T 08 CLOUD 6 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/C O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.68	33.856	23.46	4.98	0.445	-0.006	101	0.54	3.74	4.49	0.08	
25	20.00	34.311	24.26	4.62	0.413	0.038	92	0.81	4.92	8.06	0.16	
49	15.05	34.968	25.95	2.40	0.214	0.277	44	1.70	12.76	23.09	0.23	
74	14.15	34.981	26.16	1.90	0.170	0.331	34	1.93	17.20	23.94	0.14	
99	14.03	34.981	26.18	1.96	0.175	0.327	35	1.86	17.25	23.62	0.08	
123	13.76	34.963	26.23	2.01	0.180	0.325	36	1.86	17.92	23.94	0.05	
148	13.35	34.942	26.30	2.01	0.180	0.329	35	1.89	18.69	24.00	0.00	
197	13.28	34.934	26.30	2.03	0.181	0.328	36	1.91	18.92	24.20	0.00	
246	13.05	34.919	26.34	1.92	0.171	0.341	33	1.97	19.80	25.22	0.00	
296	12.13	34.887	26.50	1.37	0.122	0.400	23	2.19	23.42	27.62	0.05	
394	9.18	34.700	26.87	0.45	0.040	0.518	7	2.90	40.96	36.87	0.00	
493	8.24	34.654	26.99	0.58	0.052	0.519	9	3.07	45.54	37.16	0.00	
591	7.17	34.608	27.11	0.80	0.071	0.514	12	3.12	53.35	38.34	0.00	

OBSERVED VALUES

W 5 23 01 00.0 S 090 00.0 W DATE 18 NOV 71 1045 GCT WIRE 12
 DRY 70.0 WET 66.9 CRUISE YALCC71 WIND DIRECTION 17 VEL 12 KTS BAR 13
 SWELL DIRECTION 19 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.25	34.131	23.79	4.99	0.446	-0.005	101	0.63	3.85	6.10	0.11	
25	15.16	34.866	25.85	2.62	0.234	0.257	48	1.62	13.49	20.20	0.16	
50	13.95	34.871	26.12	2.09	0.187	0.316	37	1.87	16.98	23.56	0.08	
75	13.45	34.947	26.28	2.03	0.181	0.326	36	1.93	17.97	24.18	0.03	
99	13.36	34.944	26.29	2.16	0.193	0.316	38	1.93	17.81	23.81	0.02	
124	13.17	34.934	26.33	2.17	0.194	0.317	38	1.94	18.09	24.03	0.00	
149	13.06	34.929	26.34	2.25	0.201	0.311	39	1.86	17.93	23.66	0.00	
174	13.01	34.923	26.35	2.24	0.200	0.312	39	1.89	18.03	23.85	0.00	
199	12.97	34.918	26.35	2.19	0.196	0.317	38	1.91	18.32	24.13	0.00	
248	12.62	34.896	26.41	1.69	0.151	0.366	29	2.13	21.09	26.91	0.00	
298	12.10	34.868	26.49	1.21	0.108	0.415	21	2.38	24.89	29.74	0.00	

OBSERVED VALUES

W 5 24 01 30.2 S 090 00.1 W DATE 18 NOV 71 0440 GCT WIRE 08
 DRY 69.6 WET 66.5 CRUISE YALOC71 WIND DIRECTION 14 VEL 06 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AO2 MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.84	34.278	24.01	4.98	0.445	-0.001	100	0.69	3.90	7.01	0.17	
25	15.00	34.921	25.93	2.47	0.221	0.272	45	1.67	12.67	20.70	0.19	
50	13.98	34.957	26.18	2.04	0.182	0.320	36	1.88	16.33	23.87	0.09	0.191
75	13.80	34.965	26.22	2.04	0.182	0.322	36	1.88	16.40	23.83	0.04	
100	13.61	34.949	26.25	2.17	0.189	0.317	37	1.87	17.00	23.59	0.01	0.077
124	13.47	34.937	26.27	1.95	0.174	0.333	34	1.97	17.60	24.53	0.00	0.037
149	13.38	34.944	26.29	1.87	0.167	0.342	33	2.01	17.85	25.12	0.00	0.037
199	12.94	34.907	26.35	1.73	0.155	0.359	30	2.08	19.45	26.29	0.00	
249	12.43	34.873	26.43	1.11	0.099	0.420	19	2.37	23.16	29.74	0.00	0.041
299	11.65	34.822	26.54	1.11	0.099	0.429	19	2.49	26.79	31.32	0.00	
398	9.49	34.695	26.82	0.56	0.050	0.504	9	2.88	36.27	37.56	0.00	

OBSERVED VALUES

W 5 25 02 00.0 S 090 00.2 W DATE 19 NOV 71 0910 GCT WIRE 20
 DRY 68.7 WET 65.3 CRUISE YALOC71 WIND DIRECTION 16 VEL 04 KTS BAR 15
 SWELL DIRECTION 16 H 02 T 08 CLOUD 8 AMT 1 WEATHER 01

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.78	34.456	24.16	5.06	0.452	-0.008	102	0.71	3.55	6.95	0.22	
25	15.27	34.938	25.88	2.65	0.237	0.253	48	1.63	11.95	19.80	0.22	
49	14.43	34.980	26.10	2.03	0.181	0.316	36	1.91	16.86	22.90	0.21	0.290
74	14.15	34.965	26.15	2.03	0.181	0.319	36	1.92	17.31	23.02	0.27	
99	13.95	34.983	26.20	2.19	0.196	0.307	39	1.89	17.11	22.65	0.12	0.245
123	13.64	34.953	26.24	1.80	0.161	0.345	32	2.06	18.99	25.00	0.02	0.226
148	13.27	34.941	26.31	2.08	0.186	0.324	36	1.94	18.69	23.47	0.01	0.162
197	12.75	34.898	26.38	0.81	0.072	0.443	14	2.47	24.03	30.06	0.00	
246	12.38	34.872	26.44	0.66	0.059	0.461	11	2.60	26.43	32.10	0.00	0.119
296	11.62	34.833	26.55					2.91	30.72	33.90	0.00	
394	9.59	34.708	26.81	0.27	0.024	0.529	4	3.13	40.36	37.37	0.00	
493	8.38	34.639	26.95	0.78	0.070	0.499	12	3.15	43.02	38.26	0.00	
591	7.24			1.19	0.106			3.19	48.86	38.27	0.00	
1594	2.90	34.599	27.60	2.11	0.188	0.463	29	3.33	129.18	38.91	0.00	
2442	1.89	34.648	27.72	2.83	0.253	0.416	38	3.09	148.18	37.97	0.00	
2689	1.82	34.659	27.73	2.94	0.263	0.407	39	3.05	151.47	36.83	0.00	
2887	1.77	34.660	27.74	3.02	0.270	0.401	40	3.02	152.14	36.84	0.00	
2985	1.78	34.661	27.74	3.04	0.272	0.399	41	3.02	152.13	36.57	0.00	
3084	1.78	34.660	27.74	3.00	0.268	0.402	40	3.01	152.12	36.58	0.00	
3133	1.78	34.663	27.74	3.04	0.272	0.399	41	3.01	152.10	37.13	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
3173	1.78	34.662	27.74	3.03	0.271	0.400	40	3.01	152.78	37.13	0.00	

OBSERVED VALUES

W 5 26 02 30.0 S 090 00.0 W DATE 19 NOV 71 2135 GCT WIRE 07
 DRY 70.5 WFT 66.9 CPUISE YALOC71 WIND DIRECTION 17 VEL 06 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 10 CLOUD 6 AMT 8 WEATHER

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.95	34.494	24.14	5.12	0.457	-0.015	103	0.71	4.02		0.19	
24	17.92	34.669	25.06	3.93	0.351	0.115	75	1.09	7.49		0.19	
49	15.22	34.899	25.86	2.64	0.236	0.254	48	1.55	14.53		0.25	0.578
73	14.61	34.979	26.06	2.40	0.214	0.281	43	1.66	16.20		0.40	
97	13.89	34.969	26.20	2.33	0.208	0.295	41	1.67	17.36		0.26	0.281
122	13.60	34.967	26.26	2.40	0.214	0.292	42	1.72	17.61		0.00	0.187
146	13.46	34.961	26.29	2.33	0.208	0.300	41	1.74	17.95		0.00	0.179
195	13.10	34.941	26.35	1.59	0.142	0.369	28	2.04	21.66		0.00	
243	12.69	34.911	26.40	0.74	0.066	0.450	13	2.37	24.66		0.00	0.201
292	11.58	34.842	26.56	0.23	0.021	0.508	4	2.64	31.70		0.00	
389	9.34	34.707	26.85	0.64	0.057	0.499	10	2.77	37.91		0.00	
486	8.28	34.653	26.98	0.35	0.031	0.539	5	3.07	48.17		0.00	
584	7.37	34.610	27.08	0.61	0.054	0.528	9	3.16	54.43		0.00	

OBSERVED VALUES

W 5 27 02 58.6 S 090 00.0 W DATE 20 NOV 71 0207 GCT WIRE 02
 DRY 69.9 WET 66.1 CRUISE YALOC71 WIND DIRECTION 17 VEL 06 KTS BAR 15
 SWELL DIRECTION 17 H 03 T 09 CLOUD 8 AMT 2 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AO2 MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.81	34.529	24.21	4.94	0.441	0.002	100	0.80	5.69	8.89	0.17	
25	17.89	34.584	25.00	3.69	0.330	0.137	71	1.12	8.35	13.28	0.20	
50	14.89	34.928	25.96	2.49	0.222	0.271	45	1.60	15.47	20.46	0.21	0.535
75	14.38	35.017	26.14	2.47	0.221	0.277	44	1.63	15.98	20.46	0.43	
100	13.79	34.976	26.23	2.33	0.208	0.296	41	1.74	16.59	21.89	0.47	0.184
125	13.55	34.968	26.27	2.01	0.180	0.327	35	1.85	18.69	24.30	0.02	0.208
150	13.26	34.945	26.32	2.03	0.181	0.328	36	1.88	19.14	24.42	0.00	0.199
200	12.94	34.927	26.37	1.83	0.163	0.350	32	1.96	20.55	25.76	0.00	
250	12.47	34.898	26.44	0.29	0.026	0.493	5	2.54	26.38	32.78	0.00	0.060
300	11.04	34.812	26.64	0.13	0.012	0.523	2	2.81	32.42	34.01	0.00	
400	9.12	34.696	26.88	0.24	0.021	0.537	4	3.03	41.92	38.68	0.00	
500	7.84	34.632	27.03	0.40	0.036	0.540	6	3.20	50.22	40.76	0.00	
600	6.87	34.592	27.14	0.65	0.058	0.532	10	3.23	58.84	41.54	0.00	

OBSERVED VALUES

W 5 28 03 00.0 S 091 10.0 W DATE 20 NOV 71 0950 GCT WIRE 20
 DRY 69.5 WET 64.5 CRUISE YALOC71 WIND DIRECTION 17 VEL 08 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 5 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.90	34.404	24.09	4.87	0.435	0.008	98	0.78	4.94	8.87	0.16	
24	19.30	34.415	24.52	4.38	0.391	0.064	86	0.89	5.35	9.94	0.16	
49	14.29	35.007	26.15	2.38	0.213	0.286	43	1.65	16.12	21.07	0.52	0.449
73	13.81	34.962	26.22	2.29	0.205	0.299	41	1.68	17.23	22.29	0.23	
98	13.75	34.980	26.24	2.26	0.202	0.303	40	1.70	16.99	22.57	0.12	0.199
122	13.60	34.961	26.26	2.29	0.205	0.302	40	1.70	17.47	22.69	0.08	0.142
147	13.45	34.961	26.29	2.23	0.199	0.309	39	1.72	17.87	23.10	0.01	0.131
196	13.06	34.941	26.35	1.98	0.177	0.335	35	1.86	19.48	25.02	0.00	
245	12.56	34.906	26.43	0.72	0.064	0.453	12	2.36	25.28	31.04	0.00	0.132
294	11.75	34.856	26.54	0.26	0.023	0.503	4	2.64	29.86	33.97	0.00	
391	9.63	34.930	26.98	0.27	0.024	0.527	4	2.93	39.75	37.58	0.00	
489	8.28	34.653	26.98	0.50	0.045	0.525	8	2.97	44.49	39.39	0.00	
587	7.42	34.613	27.08	0.39	0.035	0.547	6	3.18	51.81	41.52	0.00	

OBSERVED VALUES

W 5 29 03 01.0 S 091 42.5 W DATE 20 NOV 71 1340 GCT WIRE 10
 DRY 70.5 WET 64.5 CRUISE YALOC71 WIND DIRECTION 13 VEL 14 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 2 WEATHER 01

DEPTH	TEMP DEG.C	SAL P/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.76	34.309	24.05	4.81	0.430	0.015	97	0.75	4.76	8.16	0.14	
25	15.39	34.971	25.88	2.76	0.247	0.242	50	1.48	13.91	18.52	0.38	
50	14.35	34.991	26.12	2.35	0.210	0.289	42	1.68	15.67	20.80	0.47	0.340
74	13.87	34.984	26.22	2.25	0.201	0.302	40	1.74	16.65	22.04	0.24	
99	13.52	34.973	26.28	2.36	0.211	0.296	42	1.71	16.93	22.01	0.03	0.136
124	13.29	34.952	26.32	2.35	0.210	0.300	41	1.73	17.84	22.35	0.02	0.138
149	13.16	34.942	26.33	2.35	0.210	0.301	41	1.73	18.21	22.60	0.02	0.080
199	13.02	34.923	26.35	1.86	0.166	0.346	32	1.89	20.46	25.20	0.02	
248	12.77	34.914	26.39	1.43	0.128	0.387	25	2.07	22.11	27.36	0.01	0.199
298	11.96	34.861	26.51	0.32	0.029	0.496	5	2.58	28.90	32.96	0.00	
397	9.72	34.733	26.81	0.22	0.020	0.532	4	2.91	27.61	36.35	0.00	
496	8.24	34.653	26.99	0.27	0.024	0.546	4	3.08	47.46	39.64	0.00	
596	7.27	34.606	27.09	0.51	0.046	0.538	8	3.16	52.32	41.10	0.00	

OBSERVED VALUES

W 5 30 03 01.0 S 092 00.4 W DATE 20 NOV 71 1615 GCT WIRE 03
 DRY 71.2 WFT 66.4 CRUISE YALOC71 WIND DIRECTION 14 VEL 10 KTS BAR 18
 SWELL DIRECTION 17 H 03 T 09 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.87	34.241	23.97	4.83	0.431	0.012	97	0.77	4.38	8.03	0.14	
25	16.20	34.695	25.49	3.46	0.309	0.173	64	1.28	9.87	14.37	0.29	
50	14.26	34.958	26.12	2.52	0.225	0.274	45	1.71	16.30	20.17	0.51	0.314
75	13.81	34.968	26.22	2.37	0.212	0.292	42	1.79	17.20	21.52	0.51	
100	13.57	34.978	26.28	2.33	0.208	0.298	41	1.83	17.28	22.49	0.11	0.111
125	13.29	34.956	26.32	2.24	0.200	0.309	39	1.91	18.47	23.35	0.02	0.074
150	13.09	34.937	26.34	2.33	0.208	0.304	41	1.88	18.65	23.01	0.01	0.083
200	12.96	34.930	26.37	2.28	0.204	0.309	40	1.93	19.21	23.54	0.01	
250	12.60	34.906	26.42	0.96	0.086	0.431	17	2.34	24.58	29.73	0.01	0.065
300	11.56	34.842	26.57	0.24	0.021	0.507	4	2.72	31.64	33.79	0.00	
400	9.51	34.722	26.84	0.21	0.019	0.535	3	3.01	41.33	37.41	0.00	
500	8.12	34.645	27.00	0.27	0.024	0.548	4	3.21	49.05	40.26	0.00	
600	7.06	34.596	27.11	0.42	0.038	0.549	6	3.31	54.99	41.78	0.00	
2514	1.84	34.668	27.74	2.90	0.259	0.410	39	2.90	153.01	37.42	0.00	
2772	1.77	34.671	27.75	3.14	0.280	0.390	42	2.86	153.00	37.14	0.00	
3020	1.78	34.672	27.75	3.14	0.280	0.390	42	2.82	151.00	36.87	0.00	
3219	1.78	34.673	27.75	3.14	0.280	0.390	42	2.81	150.99	36.87	0.00	
3318	1.79	34.674	27.75	3.13	0.280	0.390	42	2.81	151.65	36.60	0.00	
3418	1.79	34.679	27.75	3.16	0.282	0.388	42	2.81	151.64	36.61	0.00	
3468	1.80	34.675	27.75	3.15	0.281	0.388	42	2.81	151.63	36.61	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
3507	1.81	34.676	27.75	3.14	0.280	0.389	42	2.82	151.63	36.61	0.00	

OBSERVED VALUES

W 5 31 02 30.0 S 092 00.0 W DATE 20 NOV 71 2155 GCT WIRE 08
 DRY 70.5 WET 66.6 CRUISE YALOC71 WIND DIRECTION 17 VEL 14 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 08 CLOUD 8 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.82	34.466	24.16	4.91	0.439	0.005	99	0.82	5.68	8.91	0.16	
25	15.72	34.840	25.71	3.03	0.271	0.215	56	1.48	12.71	17.23	0.32	
49	14.06	34.968	26.17	2.51	0.224	0.277	45	1.75	17.00	20.87	0.55	0.294
74	13.83	34.968	26.22	2.41	0.215	0.289	43	1.79	17.26	21.43	0.54	
98	13.47	34.953	26.28	2.41	0.215	0.292	42	1.81	18.15	22.14	0.07	0.131
123	13.45	34.956	26.29	2.41	0.215	0.293	42	1.85	18.14	22.39	0.07	0.191
147	13.18	34.944	26.33	2.33	0.208	0.303	41	1.90	18.86	23.22	0.01	0.139
197	13.01	34.923	26.35					1.90	19.40	23.32	0.00	
246	12.79	34.919	26.39	0.98	0.088	0.427	17	2.34	23.96	29.85	0.00	0.120
295	11.30	34.822	26.60	0.45	0.040	0.492	8	2.70	32.10	33.96	0.00	
393	9.51	34.721	26.84	0.41	0.037	0.517	7	2.98	39.48	37.10	0.00	
491	8.07	34.639	27.00	0.80	0.071	0.501	12	3.02	45.02	38.57	0.00	
590	7.28	34.610	27.09	0.58	0.052	0.532	9	3.23	54.67	41.35	0.00	

OBSERVED VALUES

W 5 32 02 30.0 S 091 40.0 W DATE 21 NOV 71 0050 GCT WIRE 10
 DRY 70.5 WET 67.0 CRUISE YALOC71 WIND DIRECTION 16 VEL 10 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.78	34.490	24.19	4.95	0.442	0.001	100	0.81	5.52	8.84	0.16	
25	17.54	34.564	25.07	3.60	0.322	0.148	68	1.16	8.03	13.17	0.18	
50	14.16	34.992	26.17	2.34	0.209	0.291	42	1.77	16.45	21.28	0.52	0.252
75	13.66	34.959	26.24	2.38	0.213	0.293	42	1.81	17.69	21.97	0.32	
100	13.54	34.957	26.27	2.40	0.214	0.292	42	1.81	17.95	22.10	0.11	0.178
125	13.38	34.963	26.31	2.33	0.208	0.300	41	1.85	18.21	22.94	0.03	0.190
150	13.14	34.941	26.34	2.33	0.208	0.303	41	1.86	18.65	22.98	0.00	0.183
200	12.97	34.927	26.36	2.31	0.206	0.307	40	1.90	19.47	23.41	0.01	
250	12.87	34.918	26.37	2.17	0.194	0.320	38	1.97	20.20	24.26	0.00	0.145
300	12.08	34.868	26.49	0.45	0.040	0.483	8	2.63	29.02	33.16	0.00	
400	9.46	34.716	26.84	0.27	0.024	0.530	4	3.03	41.05	37.69	0.00	
500	8.25	34.641	26.97	0.82	0.073	0.497	13	2.98	43.49	38.59	0.00	
600	7.23	34.606	27.10	0.63	0.056	0.528	10	3.29	55.05	41.38	0.00	

OBSERVED VALUES

W 5 33 02 30.0 S 091 10.0 W DATE 21 NOV 71 0535 GCT WIRE 10
 DRY 70.0 WET 66.5 CRUISE YALOC71 WIND DIRECTION 18 VEL 10 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.88	34.538	24.20	5.06	0.452	-0.009	102	0.67	3.95	7.34	0.16	
25	16.09	34.718	25.53	3.20	0.286	0.197	59	1.39	9.90	15.96	0.21	
50	13.97	34.960	26.18	2.19	0.196	0.307	39	1.74	17.41	22.28	0.16	0.337
75	13.85	34.981	26.22	2.21	0.197	0.306	39	1.73	17.41	22.31	0.22	
100	13.67	34.978	26.26	2.42	0.216	0.289	43	1.59	16.95	21.75	0.14	0.178
125	13.53	34.962	26.27	2.14	0.191	0.316	38	1.61	17.67	23.38	0.01	0.121
150	13.45	34.962	26.29	1.86	0.166	0.342	33	1.87	19.23	24.80	0.01	0.074
200	13.14	34.941	26.34	1.95	0.174	0.337	34	1.84	19.50	24.82	0.00	
250	12.81	34.914	26.38	0.91	0.081	0.433	16	2.15	23.92	29.34	0.00	0.066
300	11.97	34.863	26.51	0.29	0.026	0.498	5	2.51	29.09	33.63	0.00	
400	9.82	34.732	26.79	0.37	0.033	0.517	6	2.91	37.78	36.66	0.00	
500	8.26	34.639	26.97	0.82	0.073	0.497	13	2.97	42.97	37.77	0.00	
600	7.38	34.610	27.08	0.57	0.051	0.531	9	3.24	52.28	40.70	0.00	

OBSERVED VALUES

W 5 34 02 00.0 S 091 10.0 W DATE 21 NOV 71 0935 GCT WIRE 09
 DRY 70.0 WFT 67.1 CRUISE YALOC71 WIND DIRECTION 18 VEL 08 KTS BAR 16
 SWELL DIRECTION 17 H 02 T 08 CLOUD 16 AMT 8 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.58	34.385	24.16	4.94	0.441	0.004	99	0.70	4.41	7.68	0.17	
25	14.92	34.910	25.94	2.82	0.252	0.241	51	1.53	11.71	18.84	0.22	
50	14.03	34.956	26.17	2.30	0.205	0.296	41	1.78	16.45	22.05	0.17	0.694
74	13.67	34.969	26.25	2.25	0.201	0.304	40	1.81	17.35	22.60	0.12	
99	13.56	34.962	26.27	2.25	0.201	0.306	40	1.84	18.08	23.04	0.02	0.204
124	13.43	34.958	26.29	2.11	0.188	0.320	37	1.90	18.63	23.85	0.02	0.104
149	13.19	34.945	26.23	1.96	0.175	0.335	34	1.98	19.56	24.72	0.01	0.165
199	12.97	34.932	26.36	1.29	0.115	0.398	22	2.18	22.18	27.99	0.00	
248	12.16	34.880	26.48	0.31	0.028	0.494	5	2.51	27.64	33.04	0.00	0.104
298	11.04	34.801	26.63	0.25	0.022	0.513	4	2.61	33.58	35.17	0.00	
397	9.54	34.718	26.83	0.41	0.037	0.517	7	2.81	37.93	36.93	0.00	
496	8.30	34.642	26.97	0.93	0.083	0.487	15	2.67	41.38	37.49	0.00	
596	7.56	34.606	27.05	1.05	0.094	0.486	16	2.72	46.72	38.67	0.00	

OBSERVED VALUES

W 5 35 02 00.0 S 091 40.0 W DATE 21 NOV 71 1315 GCT WIRE 06
 DRY 65.0 WET 70.0 CRUISE YALOC71 WIND DIRECTION 14 VEL 08 KTS BAR 17
 SWELL DIRECTION 18 H 02 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.45	34.495	24.28	4.89	0.437	0.009	98	0.75	4.42	8.28	0.17	
25	14.12	34.918	26.12	2.51	0.224	0.277	45	1.64	15.30	20.57	0.16	
50	13.78	34.973	26.23	2.25	0.201	0.303	40	1.78	16.87	22.34	0.15	0.315
75	13.55	34.970	26.28	2.43	0.217	0.290	43	1.75	16.50	21.86	0.07	
100	13.30	34.956	26.32	2.41	0.215	0.294	42	1.80	17.29	22.39	0.02	0.124
125	13.05	34.933	26.35	2.33	0.208	0.304	41	1.84	18.18	23.17	0.00	0.055
150	12.89	34.922	26.37	2.33	0.208	0.306	41	1.84	18.71	23.24	0.02	0.094
200	12.79	34.915	26.39	2.17	0.194	0.321	38	1.89	19.53	24.27	0.00	
249	12.70	34.914	26.40	1.12	0.100	0.416	19	2.21	22.65	28.84	0.00	0.084
299	11.69	34.847	26.55	0.56	0.050	0.477	9	2.57	28.95	32.93	0.00	
399	9.05	34.693	26.89	0.64	0.057	0.503	10	2.78	38.09	37.08	0.00	
499	8.02	34.631	27.00	1.03	0.092	0.482	16	2.89	42.37	37.93	0.00	
599	7.22	34.593	27.09	1.21	0.108	0.477	18	2.96	48.23	38.23	0.00	

OBSERVED VALUES

5 36 02 01.8 S 091 59.9 W DATE 21 NOV 71 1610 GCT WIRE 12
 DRY 71.2 WET 66.1 CRUISE YALOC71 WIND DIRECTION 21 VEL 05 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 09 CLOUD 6 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L	RETS
0	19.93	34.497	24.42	4.65	0.415	0.035	92	0.84	5.09	9.56	0.17	
25	15.10	34.959	25.74	2.70	0.241	0.250	49	1.60	13.99	19.03	0.44	
50	13.73	34.971	26.24	2.32	0.207	0.298	41	1.78	16.90	22.02	0.19	0.311
74	13.37	34.944	26.29	2.37	0.212	0.297	42	1.80	17.61	22.25	0.04	
99	13.21	34.944	26.33	2.40	0.214	0.296	42	1.84	17.88	22.53	0.01	
124	13.19	34.935	26.32	2.35	0.210	0.301	41	1.84	18.14	22.52	0.02	0.160
149	13.10	34.934	26.34	2.41	0.215	0.296	42	1.85	18.31	22.70	0.01	0.144
199	12.86	34.917	26.38	2.19	0.196	0.319	38	1.87	19.51	24.05	0.00	
248	12.80	34.918	26.39	1.26	0.113	0.402	22	2.17	22.58	28.03	0.00	0.088
298	12.03	34.843	26.48	0.44	0.039	0.484	8	2.52	28.12	32.80	0.00	
397	9.85	34.936	26.95	0.48	0.043	0.506	8	2.86	37.53	36.67	0.00	
496	8.26	34.645	26.98	0.96	0.086	0.485	15	2.86	41.19	37.22	0.00	
596	7.31	34.598	27.08	1.19	0.106	0.477	18	2.95	47.75	38.40	0.00	

OBSERVED VALUES

W 5 37 01 30.0 S 092 00.0 W DATE 21 NOV 71 2010 GCT WIRE 00
 DRY 72.0 WET 65.0 CRUISE YALOC71 WIND DIRECTION 19 VEL 04 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 08 CLOUD 8 AMT 2 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.66	34.312	24.08	4.73	0.422	0.023	95	0.76	5.35	8.60	0.15	
25	13.56	34.950	26.26	2.47	0.221	0.286	44	1.75	17.82	21.95	0.15	
50	13.35	34.944	26.30	2.38	0.213	0.296	42	1.81	18.25	22.38	0.05	0.622
75	13.36	34.950	26.30	2.42	0.216	0.293	42	1.70	18.05	22.41	0.02	
100	13.17	34.932	26.32	2.38	0.213	0.298	42	1.73	18.66	22.69	0.00	0.192
125	12.99	34.915	26.35	2.33	0.208	0.305	41	1.78	19.09	23.12	0.00	0.066
150	12.84	34.912	26.38	2.39	0.213	0.301	41	1.83	19.71	23.66	0.00	
200	12.80	34.910	26.38	1.95	0.174	0.341	34	1.96	20.71	24.71	0.00	
250	12.47	34.895	26.44	0.66	0.059	0.460	11	2.42	25.59	30.82	0.00	
300	11.43	34.824	26.58	0.40	0.036	0.495	7	2.65	31.51	33.60	0.00	
400	9.24	34.697	26.86	0.55	0.049	0.508	9	2.85	39.83	37.50	0.00	
500	8.33	34.644	26.96	0.84	0.075	0.494	13	2.88	42.59	37.79	0.00	
600	7.28	34.595	27.08	1.14	0.102	0.482	17	2.97	49.33	39.03	0.00	

OBSERVED VALUES

W 5 38 01 31.3 S 091 41.5 W DATE 22 NOV 71 0002 GCT WIRE 11
 DRY 70.9 WET 65.9 CRUISE YALOC71 WIND DIRECTION 16 VEL 06 KTS BAR 14
 SWELL DIRECTION 18 H 02 T 08 CLOUD AMT 0 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.15	34.309	23.95	4.97	0.444	-0.003	101	0.67	4.18	7.46	0.13	
25	13.56	34.942	26.25	2.40	0.214	0.292	42	1.78	17.26	22.21	0.06	
50	13.41	34.950	26.29	2.38	0.213	0.296	42	1.79	17.13	22.33	0.02	0.249
75	13.34	34.958	26.31	2.42	0.216	0.293	42	1.79	16.83	22.20	0.00	
100	13.11	34.942	26.34	2.40	0.214	0.297	42	1.78	17.59	22.70	0.00	0.342
125	12.92	34.921	26.37	2.38	0.213	0.301	41	1.83	18.73	23.22	0.00	0.300
150	12.82	34.916	26.38	2.31	0.206	0.308	40	1.85	19.14	23.86	0.00	0.175
200	12.73	34.908	26.39	1.92	0.171	0.344	33	1.99	20.58	25.35	0.00	
250	12.61	34.907	26.42	1.05	0.094	0.423	18	2.31	23.59	29.58	0.00	0.144
300	11.15	34.816	26.62	0.43	0.038	0.495	7	2.66	32.06	34.05	0.00	
400	9.37	34.711	26.85	0.46	0.041	0.515	7	2.87	38.99	36.96	0.00	
500	8.36	34.650	26.96	0.82	0.073	0.496	13	2.88	42.05	37.82	0.00	
600	7.25	34.597	27.09	1.13	0.101	0.483	17	2.99	49.56	38.74	0.00	

OBSERVED VALUES

W 5 39 01 30.9 S 091 23.5 W DATE 22 NOV 71 0445 GCT WIRE 07
 DRY 68.9 WET 65.3 CRUISE YALOC71 WIND DIRECTION VEL 00 KTS BAR 17
 SWELL DIRECTION 18 H 02 T 09 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.57	34.335	24.12	4.85	0.433	0.012	97	0.70	4.11	7.83	0.14	
25	15.94	34.634	25.50	3.53	0.315	0.169	65	1.25	9.13	14.75	0.20	
49	13.80	34.968	26.22	2.25	0.201	0.303	40	1.83	17.01	22.36	0.14	0.348
74	13.45	34.972	26.30	2.25	0.201	0.307	40	1.86	17.70	22.99	0.02	
99	13.25	34.959	26.33	2.42	0.216	0.294	42	1.82	17.67	22.17	0.00	0.199
123	13.07	34.949	26.36	2.25	0.201	0.311	39	1.93	18.65	23.37	0.00	0.140
148	12.97	34.943	26.37	2.27	0.203	0.310	40	1.90	18.62	23.28	0.00	0.258
198	12.79	34.929	26.40	1.92	0.171	0.343	33	2.07	20.36	25.30	0.00	
247	12.59	34.916	26.43	1.48	0.132	0.385	26	2.23	45.50	27.48	0.00	0.321
296	11.41	34.851	26.60	0.50	0.045	0.486	8	2.66	30.77	33.16	0.00	
395	9.15	34.711	26.89	0.64	0.057	0.501	10	2.90	38.68	36.90	0.00	
494	8.23	34.657	26.99	0.92	0.082	0.488	14	2.94	42.35	37.75	0.00	
593	7.51	34.621	27.07	1.05	0.094	0.487	16	3.04	48.20	38.67	0.00	

OBSERVED VALUES

W 5 40 01 10.1 S 091 10.0 W DATE 22 NOV 71 0910 GCT WIRE 11
 DRY 68.0 WET 65.5 CRUISE YALOC71 WIND DIRECTION VEL 00 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.30	34.291	24.16	4.81	0.430	0.018	96	0.69	3.81	7.71	0.14	
25	13.87	34.958	26.20	2.53	0.226	0.277	45	1.68	16.44	20.55	0.47	
50	13.58	34.945	26.25	2.34	0.209	0.297	41	1.80	17.21	21.84	0.35	0.503
75	13.19	34.943	26.33	2.32	0.207	0.303	41	1.84	17.91	22.94	0.01	
100	12.98	34.936	26.37	2.33	0.208	0.305	41	1.85	17.97	22.86	0.01	0.097
125	12.88	34.927	26.38	2.24	0.200	0.314	39	1.90	18.76	23.68	0.00	0.070
150	12.85	34.925	26.38	1.99	0.178	0.336	35	1.98	19.29	23.69	0.00	0.017
200	12.68	34.916	26.41	1.51	0.135	0.381	26	2.05	21.42	26.69	0.00	
250	11.81	34.862	26.54	0.67	0.060	0.466	11	2.45	27.37	31.71	0.00	
300	10.41	34.774	26.72	0.35	0.031	0.511	6	2.73	34.37	35.43	0.00	
400	9.43	34.717	26.85	0.41	0.037	0.518	7	2.85	38.15	36.98	0.00	
500	8.14	34.649	27.00	0.76	0.068	0.504	12	2.94	44.28	38.76	0.00	
600	6.93	34.595	27.13	1.15	0.103	0.486	17	3.01	52.53	39.09	0.00	

OBSERVED VALUES

W 5 41 01 00.0 S 091 40.0 W DATE 22 NOV 71 1305 GCT WIRE 10
 DRY 66.2 WET 63.1 CRUISE YALOC71 WIND DIRECTION VEL 00 KTS BAR 10
 SWELL DIRECTION 16 H 02 T 08 CLOUD 0 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	15.38	34.859	25.80	2.83	0.253	0.236	52	1.49	14.47	18.74	0.36	
25	13.69	34.964	26.24	2.42	0.216	0.289	43	1.71	16.69	21.63	0.34	
50	13.29	34.941	26.31	2.38	0.213	0.297	42	1.76	17.59	22.43	0.11	0.223
75	13.18	34.941	26.33	2.40	0.214	0.296	42	1.78	17.58	22.35	0.03	
100	13.02	34.929	26.35	2.41	0.215	0.297	42	1.79	17.94	22.21	0.01	0.062
125	12.89	34.921	26.37	2.29	0.205	0.309	40	1.83	18.48	23.41	0.00	0.054
150	12.81	34.916	26.38	2.18	0.195	0.320	38	1.86	19.13	23.96	0.00	0.012
200	12.64	34.905	26.41	1.58	0.141	0.375	27	2.07	21.51	27.02	0.00	
250	12.49	34.899	26.43	1.09	0.097	0.421	19	2.25	23.58	29.25	0.00	0.224
300	10.52	34.776	26.71	0.45	0.040	0.501	7	2.70	34.11	35.52	0.00	
400	9.38	34.708	26.85	0.48	0.043	0.513	8	2.85	38.97	37.34	0.00	
500	8.13	34.635	26.99	0.74	0.066	0.506	12	2.96	45.99	38.22	0.00	
600	6.89	34.590	27.13	1.18	0.105	0.484	18	2.98	53.35	39.17	0.00	

OBSERVED VALUES

W 5 42 01 00.2 S 092 00.2 W DATE 23 NOV 71 1620 GCT WIRE
 DRY 70.0 WET 67.0 CRUISE YALOC71 WIND DIRECTION 13 VEL 13 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 09 CLOUD 8 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.58	34.202	24.02	4.96	0.443	0.003	99	0.56	2.66	6.26	0.11	
25	16.58	34.745	25.44	3.70	0.330	0.147	69	1.22	10.68	15.38	0.27	
50	14.30	34.935	26.09	2.64	0.236	0.263	47	1.67	15.64	20.42	0.39	1.307
75	13.46	34.956	26.28	2.32	0.207	0.300	41	1.80	17.16	22.58	0.19	
100	13.32	34.945	26.30	2.35	0.210	0.299	41	1.81	17.61	22.72	0.06	0.256
125	13.05	34.923	26.34	2.38	0.213	0.300	42	1.83	18.06	23.04	0.00	0.365
150	12.84	34.915	26.38	2.33	0.208	0.306	40	1.88	18.97	23.85	0.00	0.038
200	12.74	34.910	26.39	1.89	0.169	0.347	33	2.02	20.38	25.55	0.00	
250	12.60	34.905	26.42	0.98	0.088	0.429	17	2.29	23.69	29.72	0.00	0.139
300	10.69	34.784	26.68	0.32	0.029	0.511	5	2.74	34.03	35.40	0.00	
400	9.33	34.705	26.85	0.45	0.040	0.516	7	2.87	39.21	37.51	0.00	
500	8.56	34.661	26.94	0.76	0.068	0.498	12	2.88	41.24	37.80	0.00	
600	7.14	34.593	27.10	1.19	0.106	0.480	18	2.98	49.60	38.72	0.00	

OBSERVED VALUES

W 5 43 00 44.0 S 091 58.0 W DATE 24 NOV 71 0135 GCT WIRE 08
 DRY 69.2 WET 67.5 CRUISE YALOC71 WIND DIRECTION 16 VEL 13 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 09 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	20.24	34.213	24.12	4.84	0.432	0.016	96	0.70	4.35	7.56	0.12	
25	14.12	34.962	26.15	2.58	0.230	0.270	46	1.67	15.79	20.60	0.42	
50	13.52	34.964	26.28	2.35	0.210	0.297	41	1.79	17.21	22.19	0.24	0.126
75	13.32	34.948	26.31	2.35	0.210	0.299	41	1.83	17.91	22.67	0.10	
100	13.04	34.930	26.35	2.42	0.216	0.296	42	1.85	18.44	22.85	0.01	0.133
124	12.84	34.916	26.38	2.28	0.204	0.311	40	1.83	19.35	23.21	0.00	0.152
149	12.77	34.913	26.39	2.04	0.182	0.333	35	1.92	20.27	24.32	0.00	0.157
199	12.74	34.912	26.40	1.98	0.177	0.339	34	1.93	20.53	24.52	0.00	
249	12.67	34.905	26.40	1.74	0.155	0.361	30	2.03	21.66	25.66	0.00	0.169
299	11.02	34.805	26.64	0.40	0.036	0.499	7	2.66	32.70	33.61	0.00	
398	9.45	34.714	26.84	0.40	0.036	0.519	6	2.85	39.14	36.41	0.00	
498	8.07	34.640	27.00	0.80	0.071	0.501	12	2.93	44.88	37.80	0.00	
597	7.23	34.599	27.09	1.03	0.092	0.493	16	3.00	51.30	38.41	0.00	

OBSERVED VALUES

W 5 44 00 45.0 S 091 40.0 W DATE 24 NOV 71 0430 GCT WIRE 02
 DRY 62.0 WFT 66.4 CRUISE YALOC71 WIND DIRECTION 17 VEL 12 KTS BAR 15
 SWELL DIRECTION 17 H 02 T 09 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	N03 UGAT/L	N02 UGAT/L	RETS
0	19.47	34.509	24.55	5.39	0.481	-0.028	106	0.40	1.34	5.85	0.15	
25	14.22	34.972	26.14	2.71	0.242	0.258	48	1.61	15.72	20.34	0.36	
50	13.78	34.990	26.24	2.45	0.219	0.285	43	1.70	16.51	21.61	0.38	0.410
75	13.57	34.989	26.29	2.42	0.216	0.290	43	1.74	16.66	21.98	0.34	
100	13.35	34.981	26.33	2.42	0.216	0.293	42	1.77	17.00	22.51	0.14	0.181
125	12.99	34.950	26.37	2.33	0.208	0.305	41	1.84	18.54	23.62	0.00	0.229
150	12.88	34.944	26.39	2.18	0.195	0.319	38	1.87	19.08	24.09	0.00	0.172
200	12.69	34.938	26.43	1.59	0.142	0.374	28	2.08	21.16	26.95	0.00	
250	12.58	34.927	26.44	1.41	0.126	0.391	24	2.16	22.31	27.95	0.00	0.168
300	12.00	34.894	26.53	0.80	0.071	0.452	14	2.40	26.25	31.20	0.02	
400	9.56	34.747	26.85	0.40	0.036	0.517	6	2.81	37.59	37.28	0.00	
500	8.32	34.683	27.00	0.71	0.063	0.506	11	2.93	43.91	38.78	0.00	
600	7.29	34.631	27.11	1.01	0.090	0.493	15	2.99	49.97	39.43	0.00	

OBSERVED VALUES

W 5 45 00 30.0 S 091 40.0 W DATE 24 NOV 71 0650 GCT WIRE 00
 DRY 68.3 WET 66.1 CRUISE YALOC71 WIND DIRECTION 13 VEL 10 KTS BAR 15
 SWELL DIRECTION 17 H 02 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.68	34.339	24.36	4.78	0.427	0.026	94	0.68	4.33	8.17	0.14	
25	14.04	34.948	26.16	2.58	0.230	0.271	46	1.63	15.91	20.64	0.34	
50	13.68	34.940	26.23	2.45	0.219	0.287	43	1.72	16.71	21.53	0.36	0.288
75	13.48	34.942	26.27	2.40	0.214	0.293	42	1.77	16.87	22.05	0.40	
100	13.40	34.956	26.30	2.35	0.210	0.298	41	1.75	17.03	22.37	0.25	0.208
125	13.14	34.931	26.33	2.32	0.207	0.304	41	1.81	18.49	23.12	0.01	0.261
150	12.97	34.923	26.36	2.29	0.205	0.308	40	1.81	18.66	23.40	0.00	0.202
200	12.73	34.911	26.40	1.76	0.157	0.358	30	2.01	20.84	26.12	0.00	
250	12.36	34.890	26.45	0.96	0.086	0.434	16	2.29	24.30	29.96	0.00	0.200
300	11.23	34.815	26.61	0.40	0.036	0.497	7	2.60	31.05	34.12	0.00	
400	9.65	34.723	26.81	0.32	0.029	0.524	5	2.79	37.28	37.03	0.00	*
500	7.92	34.634	27.02	0.72	0.064	0.511	11	2.95	46.09	38.80	0.00	
600	7.03	34.594	27.12	1.05	0.094	0.494	16	3.05	52.86	39.46	0.00	

OBSERVED VALUES

W 5 46 00 30.0 S 092 00.0 W DATE 24 NOV 71 0950 GCT WIRE 10
 DRY 68.4 WET 66.9 CRUISE YALOC71 WIND DIRECTION 13 VEL 12 KTS BAR 13
 SWELL DIRECTION 17 H 02 T 08 CLOUD 8 AMT 2 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.99	34.031	24.05	4.62	0.413	0.038	91	0.74	4.45	7.69	0.12	
24	14.27	34.944	26.10	2.67	0.238	0.261	48	1.65	15.44	20.43	0.38	
48	13.83	34.971	26.22	2.40	0.214	0.289	43	1.75	16.24		0.43	0.406
72	13.66	34.965	26.25	2.38	0.213	0.293	42	1.77	16.39	21.96	0.35	
96	13.36	34.946	26.30	2.32	0.207	0.302	41	1.79	17.30	22.85	0.20	0.207
120	13.28	34.943	26.31	2.32	0.207	0.302	41	1.79	17.55	23.15	0.16	0.190
144	12.91	34.916	26.36	2.23	0.199	0.314	39	1.87	18.96	24.11	0.01	0.135
192	12.77	34.908	26.39	2.03	0.181	0.334	35	1.93	19.81	25.18	0.01	
240	12.74	34.907	26.39	1.99	0.178	0.338	34	1.96	20.07	25.48	0.01	0.108
287	12.48	34.893	26.43	0.93	0.083	0.435	16	2.33	24.09	30.56	0.00	
383	9.77	34.727	26.80	0.39	0.035	0.516	6	2.84	37.38	37.30	0.00	
479	8.50	34.659	26.95	0.60	0.054	0.513	9	2.95	43.43	38.74	0.00	
575	7.34	34.602	27.08	1.03	0.092	0.491	16	3.02	49.91	39.70	0.00	

OBSERVED VALUES

W 5 47 00 15.0 S 092 00.0 W DATE 24 NOV 71 1215 GCT WIRE 15
 DRY 68.2 WET 67.6 CRUISE YALOC71 WIND DIRECTION 17 VEL 16 KTS BAR 10
 SWELL DIRECTION 17 H 02 T 08 CLOUD 8 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.85	34.209	24.22	4.70	0.420	0.032	93	0.71	3.90	7.85	0.12	
25	14.10	34.948	26.14	2.50	0.223	0.278	45	1.67	15.49	20.57	0.34	
50	13.92	34.944	26.18	2.48	0.221	0.281	44	1.72	15.84	20.83	0.30	0.444
75	13.49	34.932	26.26	2.42	0.216	0.291	43	1.79	16.94	21.88	0.33	
99	13.30	34.952	26.31	2.33	0.208	0.301	41	1.80	17.02	22.51	0.20	
124	13.21	34.943	26.32	2.29	0.205	0.306	40	1.82	17.47	22.85	0.11	1.381
149	12.82	34.914	26.38	2.25	0.201	0.314	39	1.89	18.88	23.94	0.00	0.605
199	12.76	34.913	26.39	2.11	0.188	0.327	37	1.94	19.25	24.42	0.00	
249	12.67	34.907	26.41	1.73	0.155	0.362	30	2.05	20.71	26.18	0.00	0.253
298	11.33	34.826	26.60	0.30	0.027	0.505	5	2.66	31.17	34.33	0.00	
398	9.97	34.745	26.78	0.39	0.035	0.513	6	2.80	36.18	36.49	0.00	
497	8.58	34.670	26.95	0.56	0.050	0.516	9	2.88	42.95	37.88	0.00	
596	7.48	34.617	27.07	0.92	0.082	0.499	14	3.02	49.25	39.12	0.00	

OBSERVED VALUES

W 5 48 00 15.0 S 091 40.0 W DATE 25 NOV 71 0135 GCT WIRE 05
 DRY 69.5 WET 67.1 CRUISE YALOC71 WIND DIRECTION 18 VEL 17 KTS BAR 10
 SWELL DIRECTION 19 H 02 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.31	34.454	24.54	4.89	0.437	0.019	96	0.66	4.85	8.65	0.14	
25	13.71	34.937	26.22	2.42	0.216	0.289	43	1.81	17.20	21.86	0.28	
50	13.51	34.936	26.26	2.31	0.206	0.301	41	1.83	18.35	22.75	0.23	0.335
75	13.34	34.937	26.29	2.28	0.204	0.305	40	1.88	18.64	23.17	0.07	
100	13.32	34.938	26.30	2.28	0.204	0.306	40	1.88	18.54	23.09	0.07	0.040
124	13.23	34.935	26.31	2.29	0.205	0.306	40	1.84	18.64	23.23	0.03	0.191
149	13.09	34.919	26.33	2.23	0.199	0.313	39	1.88	19.62	23.70	0.01	0.240
199	12.84	34.905	26.37	2.00	0.179	0.336	35	1.98	20.71	25.26	0.00	
249	12.04	34.854	26.49	0.99	0.088	0.435	17	2.40	26.89	30.75	0.01	0.105
299	10.93	34.784	26.64	0.51	0.046	0.491	8	2.71	34.15	34.07	0.00	
398	9.55	34.705	26.82	0.44	0.039	0.514	7	2.88	40.10	37.19	0.00	
498	7.87	34.622	27.02	0.72	0.064	0.511	11	3.03	50.05	39.27	0.00	
597	7.28	34.595	27.08	0.87	0.078	0.506	13	3.14	53.97	39.60	0.00	

OBSERVED VALUES

W 5 49 00 00.0 S 091 39.8 W DATE 25 NOV 71 0355 GCT WIRE 00
 DRY 71.2 WET 69.1 CRUISE YALOC71 WIND DIRECTION 11 VEL 05 KTS BAR 15
 SWELL DIRECTION 17 H 02 T 09 CLOUD 8 AMT 7 WEATHER 03

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.00	34.064	23.80	4.99	0.446	-0.003	101	1.17	7.81	6.30	0.07	
25	15.14	34.826	25.83	3.04	0.272	0.220	55	1.45	18.43	18.36	0.28	
50	13.61	34.943	26.24	2.42	0.216	0.290	43	1.44	21.61	22.02	0.37	0.355
75	13.51	34.938	26.26	2.43	0.217	0.290	43	1.48	21.59	22.08	0.31	
100	13.34	34.946	26.30	2.42	0.216	0.293	42	1.49	21.67	22.43	0.22	0.219
125	13.33	34.951	26.31	2.35	0.210	0.299	41	1.49	21.93	22.82	0.17	0.169
150	13.28	34.944	26.31	2.33	0.208	0.301	41	1.50	22.11	23.06	0.11	0.164
200	12.94	34.920	26.36	2.14	0.191	0.322	37	1.55	24.06	24.12	0.23	
250	12.66	34.904	26.40	1.58	0.141	0.375	27	1.81	26.79	27.12	0.23	0.183
300	11.78	34.852	26.53	0.56	0.050	0.476	10	2.27	33.76	32.72	0.23	
400	10.25	34.760	26.74	0.39	0.035	0.510	6	2.47	40.76	36.48	0.00	
500	8.31	34.658	26.98	0.62	0.055	0.514	10	2.75	56.05	40.01	0.00	
600	7.51	34.619	27.07	0.88	0.079	0.502	14	2.68	50.39	38.86	0.17	

OBSERVED VALUES

5 50 00 00.5 N 092 00.0 W DATE 25 NOV 71 0645 GCT WIRE 13
 DRY 67.1 WET 65.8 CRUISE YALOC71 WIND DIRECTION 17 VEL 10 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 07 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	18.75	34.414	24.66	4.52	0.404	0.056	88	0.87	6.25	10.68	0.13	
25	17.46	34.541	25.07	4.02	0.359	0.112	76	1.04	8.48	12.93	0.15	
50	14.58	34.913	26.01	2.81	0.251	0.245	51	1.54	15.11	19.71	0.28	0.895
74	13.99	34.947	26.17	2.50	0.223	0.279	44	1.66	16.13	21.07	0.25	
99	13.70	34.938	26.22	2.42	0.216	0.289	43	1.72	17.25	21.84	0.24	0.467
124	13.57	34.932	26.24	2.42	0.216	0.290	43	1.74	17.33	22.31	0.26	0.422
149	13.53	34.948	26.26	2.45	0.219	0.288	43	1.74	17.02	22.09	0.32	0.611
198	12.80	34.917	26.39	2.16	0.193	0.322	37	1.88	19.54	24.33	0.00	
242	12.74	34.909	26.39	2.01	0.180	0.336	35	1.95	20.32	25.11	0.00	0.334
297	11.45	34.833	26.58	0.27	0.024	0.506	5	2.66	31.88	34.65	0.00	
396	9.80	34.734	26.80	0.31	0.028	0.523	5	2.88	38.06	37.33	0.00	
495	8.17	34.651	26.99	0.64	0.057	0.514	10	2.99	47.64	39.41	0.00	
594	7.30	34.604	27.09	1.04	0.093	0.491	16	3.01	50.83	39.41	0.00	

OBSERVED VALUES

W 5 51 00 13.2 N 092 00.0 W DATE 25 NOV 71 0922 GCT WIRE 17
 DRY 70.0 WET 67.5 CRUISE YALOC71 WIND DIRECTION 18 VEL 16 KTS BAR 14
 SWELL DIRECTION 19 H 02 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	22.28	33.421	22.96	4.91	0.439	-0.003	101	0.34	1.51	3.29	0.05	
25	20.24	34.044	23.99	4.75	0.424	0.025	94	0.61	3.77	7.50	0.10	
49	13.97	34.935	26.16	2.56	0.229	0.274	46	1.64	16.05	22.75	0.25	0.631
74	13.79	34.939	26.20	2.49	0.222	0.282	44	1.68	16.14	23.30	0.27	
99	13.70	34.952	26.23	2.46	0.220	0.285	43	1.71	16.33	23.45	0.29	0.351
123	13.33	34.950	26.31	2.48	0.221	0.288	44	1.74	16.80	23.70	0.29	0.436
147	13.16	34.942	26.33	2.42	0.216	0.295	42	1.77	17.37	24.49	0.21	0.316
196	12.81	34.916	26.38	2.19	0.196	0.319	38	1.87	19.13	26.22	0.00	
245	12.75	34.911	26.39	1.97	0.176	0.339	34	1.95	20.22	27.28	0.00	0.332
294	11.64	34.645	26.40	0.35	0.031	0.497	6	2.54	30.40	37.02	0.00	
392	9.69	34.725	26.81	0.34	0.030	0.521	6	2.82	38.16	40.38	0.00	
490	8.24	34.655	26.99	0.64	0.057	0.513	10	2.97	46.47	41.94	0.00	
588	7.16	34.597	27.10	1.04	0.093	0.493	16	3.01	51.50	42.97	0.00	

OBSERVED VALUES

W 5 52 00 15.1 N 091 40.6 W DATE 25 NOV 71 1700 GCT WIRE 05
 DRY 75.5 WET 71.0 CRUISE YALOC71 WIND DIRECTION 24 VEL 04 KTS BAR 10
 SWELL DIRECTION 19 H 02 T 09 CLOUD 8 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.88	33.103	22.26	4.83	0.431	-0.006	102	0.28	1.83	1.74	0.03	
25	19.75	33.642	23.81	4.96	0.443	0.011	98	0.23	1.73	1.74	0.03	
50	13.88	34.932	26.18	2.35	0.210	0.293	42	1.62	16.62	23.47	0.31	0.694
75	13.54	34.929	26.25	2.42	0.216	0.291	43	1.63	17.35	23.51	0.35	
100	13.54	34.932	26.25	2.39	0.213	0.293	42	1.66	17.51	23.60	0.35	0.368
125	13.42	34.928	26.27	2.40	0.214	0.294	42	1.62	17.58	23.59	0.36	0.213
150	13.32	34.928	26.29	2.32	0.207	0.302	41	1.65	17.64	23.82	0.30	0.222
200	13.26	34.937	26.31	2.42	0.216	0.294	42	1.72	18.09	24.45	0.21	
250	13.09	34.941	26.35	2.33	0.208	0.304	41	1.74	18.16	24.65	0.01	0.137
300	12.77	34.909	26.39	2.01	0.180	0.336	35	1.87	20.48	26.84	0.00	
400	10.79	34.822	26.69	0.45	0.040	0.498	7	2.57	31.74	36.80	0.00	
500	9.27	34.704	26.86	0.37	0.033	0.524	6	2.83	40.95	40.46	0.00	
600	7.97	34.651	27.02	0.64	0.057	0.517	10	2.94	47.36	40.76	0.00	

OBSERVED VALUES

W 5 53 00 15.4 N 091 10.1 W DATE 26 NOV 71 0515 GCT WIRE 00
 DRY 73.0 WET 70.0 CRUISE YALOC71 WIND DIRECTION 16 VEL 14 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 09 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.30	33.133	22.46	4.94	0.441	-0.012	103	0.25	1.44	1.74	0.04	
25	18.47	34.431	24.74	2.56	0.229	0.234	49	1.06	6.81	13.97	0.19	
50	14.33	34.993	26.13	1.95	0.174	0.324	35	1.79	16.59	25.24	0.20	0.313
75	13.57	34.953	26.26	2.15	0.192	0.314	38	1.82	18.53	25.40	0.04	
100	13.37	34.941	26.29	2.08	0.186	0.323	37	1.85	19.17	25.93	0.01	0.321
124	13.35	34.941	26.29	2.08	0.186	0.323	37	1.86	19.24	25.84	0.01	0.239
149	13.29	34.935	26.30	2.02	0.180	0.329	35	1.86	19.31	26.05	0.01	0.121
199	12.93	34.916	26.36	1.84	0.164	0.349	32	1.97	20.94	27.66	0.00	
249	12.67	34.902	26.40	1.43	0.128	0.389	25	2.12	23.02	29.87	0.00	0.280
299	11.66	34.839	26.55	0.60	0.054	0.474	10	2.48	29.60	34.99	0.00	
398	9.81	34.737	26.80	0.27	0.024	0.526	4	2.84	40.20	40.18	0.00	
498	7.80	34.635	27.04	0.67	0.060	0.517	10	3.00	51.04	42.38	0.00	
597	7.26	34.613	27.10	0.78	0.070	0.514	12	3.06	55.26	42.74	0.00	

OBSERVED VALUES

W 5 54 00 27.0 N 091 10.1 W DATE 26 NOV 71 0800 GCT WIRE 00
 DRY 73.0 WET 70.0 CRUISE YALOC71 WIND DIRECTION 15 VEL 12 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL P/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.43	33.072	22.37	4.91	0.439	-0.010	102	0.24	1.46	1.46	0.00	
25	18.93	34.374	24.58	3.52	0.314	0.144	69	1.04	6.64	13.45	0.14	
50	13.86	34.976	26.22	2.00	0.179	0.325	35	1.81	17.88	25.51	0.06	0.206
75	13.61	34.969	26.26	1.95	0.174	0.332	34	1.86	18.53	26.16	0.00	
100	13.36	34.952	26.30	2.00	0.179	0.330	35	1.87	19.19	26.06	0.00	0.208
125	13.27	34.938	26.31	2.08	0.186	0.324	36	1.83	19.37	25.77	0.00	0.209
150	13.12	34.930	26.33	2.25	0.201	0.310	39	1.85	19.65	26.16	0.00	0.293
200	12.88	34.916	26.37	1.87	0.167	0.347	32	1.96	21.11	27.54	0.00	
250	12.81	34.912	26.38	1.71	0.153	0.362	30	2.01	22.10	28.34	0.00	0.219
300	11.34	34.813	26.59	0.48	0.043	0.489	8	2.57	31.81	36.39	0.00	
400	9.74	34.735	26.81	0.31	0.028	0.523	5	2.83	40.57	39.85	0.00	
500	8.26	34.657	26.99	0.55	0.049	0.521	9	2.97	47.04	41.98	0.00	
600	7.30	34.913	27.33	0.79	0.071	0.512	12	3.04	55.82	43.02	0.00	

OBSERVED VALUES

W 5 55 00 30.0 N 091 40.0 W DATE 26 NOV 71 1940 GCT WIRE 10
 DRY 76.1 WET 71.2 CRUISE YALOC71 WIND DIRECTION 17 VEL 06 KTS BAR 14
 SWELL DIRECTION 17 H 02 T 08 CLOUD 6 AMT 6 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.40	33.149	22.15	4.85	0.433	-0.012	103	0.28	1.00	1.22	0.01	
25	22.93	33.239	22.64	4.75	0.424	0.007	98	0.41	1.55	2.72	0.03	
50	13.92	34.953	26.19	2.25	0.201	0.302	40	1.80	17.02	24.03	0.23	
75	13.68	34.946	26.23	2.33	0.208	0.297	41	1.81	17.14	23.72	0.27	
100	13.63	34.937	26.23	2.42	0.216	0.290	43	1.82	17.16	23.45	0.28	0.261
125	13.56	34.934	26.25	2.45	0.219	0.288	43	1.84	17.38	23.61	0.28	0.227
150	13.17	34.919	26.31	2.40	0.214	0.296	42	1.90	18.46	24.36	0.25	0.371
200	13.10	34.936	26.34	2.41	0.215	0.296	42	1.92	18.29	24.49	0.11	
250	12.70	34.912	26.40	1.77	0.158	0.358	31	2.08	21.68	28.53	0.00	0.331
300	10.84	34.798	26.67	0.36	0.032	0.505	6	2.64	34.25	38.34	0.00	
400	9.31	34.709	26.86	0.38	0.034	0.522	6	2.83	41.59	40.29	0.00	
500	8.50	34.666	26.96	0.58	0.052	0.515	9	2.92	45.95	41.22	0.00	
600	7.40	34.613	27.08	0.89	0.079	0.503	14	2.99	52.46	42.23	0.00	

OBSERVED VALUES

W 5 56 00 30.1 N 092 00.1 W DATE 26 NOV 71 2250 GCT WIRF 10
 DRY 75.0 WET 70.4 CRUISE YALOC71 WIND DIRECTION 19 VEL 18 KTS BAR 12
 SWELL DIRECTION 18 H 02 T 07 CLOUD 6 AMT 6 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.74	33.185	22.07	4.91	0.439	-0.020	105	0.22	1.54	0.23		
25	24.63	33.184	22.10					0.23	1.44	0.24		
50	14.49	34.897	26.02	2.70	0.241	0.256	48	1.57	15.84	21.50		0.434
75	14.12	34.938	26.13	2.53	0.226	0.275	45	1.67	16.65	22.42		
100	13.69	34.949	26.23	2.51	0.224	0.281	44	1.64	17.58	22.99		0.301
125	13.28	34.936	26.31	2.61	0.233	0.277	46	1.66	18.13	23.59		0.284
150	12.98	34.918	26.35	2.43	0.217	0.296	42	1.73	19.07	24.47		0.362
200	12.95	34.920	26.36	2.40	0.214	0.299	42	1.76	19.44	24.86		
249	12.77	34.907	26.39	2.07	0.185	0.330	36	1.82	21.00	26.94		
299	10.78	34.786	26.67	0.31	0.028	0.510	5	2.68	35.63	35.74		
399	9.38	34.704	26.84	0.41	0.037	0.519	7	2.83	42.37	40.64		
499	8.10	34.640	27.00	0.64	0.057	0.515	10	2.96	49.68	42.24		
599	7.32	34.599	27.08	1.05	0.094	0.489	16	2.98	53.40	42.60		

OBSERVED VALUES

W 5 57 00 46.0 N 092 00.6 W DATE 27 NOV 71 0133 GCT WIRE
 DRY 74.1 WET 70.2 CRUISE YALOC71 WIND DIRECTION 19 VEL 17 KTS BAR 13
 SWELL DIRECTION 17 H 03 T 08 CLUD 6 AMT 3 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.73	33.201	22.09	4.91	0.439	-0.020	105	0.20	1.09	0.31	0.04	
25	24.67	33.197	22.10	4.91	0.439	-0.019	105	0.21	1.06	0.35	0.04	
50	14.15	34.932	26.12	2.43	0.217	0.284	43	1.63	16.20	23.00	0.27	
75	13.95	34.929	26.16	2.42	0.216	0.287	43	1.67	16.83	23.34	0.27	
100	13.79	34.929	26.19	2.47	0.221	0.284	44	1.70	17.37	23.51	0.28	0.284
125	13.28	34.922	26.29	2.42	0.216	0.294	42	1.74	18.60	24.26	0.23	0.275
150	13.08	34.923	26.34	2.46	0.220	0.292	43	1.74	18.57	24.32	0.09	0.354
200	12.89	34.920	26.37	2.38	0.213	0.301	41	1.80	19.22	25.14	0.01	
250	12.74	34.911	26.39	1.92	0.171	0.344	33	1.94	21.29	27.83	0.01	0.237
300	10.92	34.798	26.65	0.32	0.029	0.508	5	2.61	34.36	37.73	0.00	
400	9.09	34.695	26.88	0.40	0.036	0.524	6	2.84	42.77	40.70	0.00	
500	8.02	34.641	27.01	0.71	0.063	0.510	11	2.93	48.80	42.31	0.00	
600	7.55	34.620	27.06	0.81	0.072	0.508	12	2.96	52.65	42.66	0.00	

OBSERVED VALUES

W 5 58 00 44.5 N 091 40.1 W DATE 27 NOV 71 05 0 7 0 6
 DRY 73.2 WET 69.5 CRUISE YALOC71 WIND DIRECTION 19 VEL 15 KTS BAR 10
 SWELL DIRECTION 19 H 02 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.57	33.254	22.18	4.85	0.433	-0.013	103	0.21	1.34	0.53	0.02	
25	24.60	33.258	22.17	4.85	0.433	-0.014	103	0.22	1.17	0.54	0.02	
50	14.34	34.973	26.11	2.18	0.195	0.304	39	1.68	15.07	22.44	0.23	0.467
75	13.73	34.950	26.22	2.25	0.201	0.304	40	1.74	16.95	22.84	0.26	
100	13.64	34.941	26.23	2.29	0.205	0.301	40	1.74	17.11	22.38	0.30	0.271
125	13.60	34.934	26.24	2.32	0.207	0.299	41	1.75	17.27	22.39	0.30	0.241
150	13.49	34.932	26.26	2.32	0.207	0.300	41	1.75	17.61	22.63	0.32	0.218
200	13.01	34.927	26.35	2.39	0.213	0.299	42	1.76	18.14	23.08	0.05	
250	12.75	34.912	26.39	1.87	0.167	0.348	32	1.94	20.51	25.74	0.00	0.116
300	10.79	34.794	26.67	0.37	0.033	0.505	6	2.66	33.70	35.40	0.00	
400	9.24	34.703	26.87	0.41	0.037	0.521	7	2.83	40.82	38.03	0.00	
500	8.23	34.655	26.99	0.62	0.055	0.515	10	2.93	46.89	39.26	0.00	
600	7.21	34.603	27.10	1.05	0.094	0.491	16	2.96	51.21	39.60	0.00	

OBSERVED VALUES

W 5 59 00 44.6 N 091 10.0 W DATE 27 NOV 71 0950 GCT WIRE 10
 DRY 73.0 WET 69.5 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 10
 SWELL DIRECTION 20 H 02 T 10 CLOUD 8 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.85	33.120	22.29	4.85	0.433	-0.008	102	0.29	0.83	1.46	0.05	
25	23.90	33.118	22.27	4.86	0.434	-0.009	102	0.28	1.39	1.42	0.03	
50	14.41	34.969	26.09	2.39	0.213	0.284	43	1.64	13.38	21.56	0.24	0.296
75	13.87	34.965	26.21	2.03	0.181	0.322	36	1.81	17.37	23.47	0.11	
100	13.44	34.948	26.28	2.09	0.187	0.321	37	1.84	18.18	23.76	0.02	0.154
124	13.34	34.946	26.30	2.19	0.196	0.313	38	1.82	17.98	23.36	0.06	0.082
149	13.26	34.938	26.31	2.40	0.214	0.295	42	1.78	17.50	22.60	0.22	0.058
199	13.13	34.939	26.34	2.36	0.211	0.300	41	1.80	17.58	22.88	0.12	
249	12.64	34.901	26.41	1.59	0.142	0.375	27	2.09	21.85	27.20	0.00	0.063
299	11.41	34.825	26.58	0.51	0.046	0.485	9	2.55	29.54	33.19	0.01	
398	9.44	34.714	26.84	0.43	0.038	0.516	7	2.87	39.92	37.43	0.00	
498	8.34	34.660	26.98	0.62	0.055	0.514	10	2.95	46.56	38.61	0.00	
597	7.22	34.614	27.10	0.88	0.079	0.506	13	3.04	55.06	39.91	0.00	

OBSERVED VALUES

W 5 60 01 00.0 N 091 10.2 W DATE 27 NOV 71 1300 GCT WIRE 05
 DRY 73.5 WET 70.2 CRUISE YALOC71 WIND DIRECTION 18 VEL 10 KTS BAR 10
 SWELL DIRECTION 20 H 02 T 08 CLOUD 6 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	P04 UGAT/L	S104 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.53	33.297	22.22	4.83	0.431	-0.011	103	0.26	0.61	0.80	0.00	
25	24.55	33.307	22.22	4.84	0.432	-0.012	103	0.27	0.59	0.80	0.00	
50	14.33	34.985	26.12	2.03	0.181	0.317	36	1.76	16.39	23.20	0.18	0.391
75	13.90	34.971	26.20	2.00	0.179	0.324	36	1.84	17.46	23.63	0.10	
100	13.46	34.947	26.28	2.16	0.193	0.315	38	1.85	18.08	23.60	0.04	0.240
125	13.38	34.941	26.29	2.18	0.195	0.314	38	1.70	18.06	23.18	0.13	0.187
150	13.31	34.935	26.30	2.29	0.205	0.305	40	1.72	17.94	23.00	0.14	0.426
200	13.03	34.919	26.34	2.40	0.214	0.298	42	1.57	18.10	22.72	0.18	
250	12.87	34.915	26.37	2.24	0.200	0.314	39	1.70	19.01	24.01	0.00	0.165
300	11.96	34.858	26.51	0.63	0.056	0.468	11	2.43	27.68	32.18	0.00	
400	9.86	34.736	26.79	0.36	0.032	0.517	6	2.76	38.40	36.99	0.00	
500	8.54	34.669	26.95	0.47	0.042	0.525	7	2.98	45.65	38.93	0.00	
600	7.35	34.615	27.09	0.72	0.064	0.518	11	3.06	54.13	39.87	0.00	

OBSERVED VALUES

W 5 61 01 00.4 N 091 39.9 W DATE 27 NOV 71 1655 GCT WIRE 03
 DRY 75.0 WET 71.9 CRUISE YALOC71 WIND DIRECTION 18 VEL 16 KTS BAR 14
 SWELL DIRECTION 21 H 02 T 07 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AJL MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.77	33.368	22.20	4.86	0.434	-0.016	104	0.14	1.07	0.25	0.00	
25	24.75	33.369	22.21	4.85	0.433	-0.015	104	0.14	0.63	0.13	0.00	
50	13.82	34.966	26.22	2.16	0.193	0.311	38	1.72	17.12	22.51	0.12	0.208
75	13.72	34.965	26.24	2.14	0.191	0.314	38	1.61	17.11	22.50	0.13	
100	13.63	34.948	26.24	2.27	0.203	0.303	40	1.75	17.20	22.28	0.20	0.248
125	13.57	34.943	26.25	2.25	0.201	0.306	40	1.76	17.37	22.17	0.24	0.225
150	13.39	34.935	26.28	2.08	0.186	0.323	37	1.89	18.49	23.34	0.14	0.277
200	12.89	34.920	26.37	2.35	0.210	0.304	41	1.83	18.48	22.67	0.00	
250	12.59	34.902	26.42	1.38	0.123	0.394	24	2.17	22.65	27.46	0.00	0.153
300	11.10	34.797	26.62	0.38	0.034	0.500	6	2.69	32.58	33.94	0.00	
400	9.01	34.691	26.89	0.42	0.038	0.523	7	2.77	42.08	37.35	0.00	
500	7.90	34.639	27.03	0.65	0.058	0.517	10	3.06	49.31	38.36	0.10	
600	7.25	34.609	27.10	0.80	0.071	0.513	12	3.15	55.10	39.05	0.00	

OBSERVED VALUES

W 5 52 01 00.1 N 092 00.0 W DATE 27 NOV 71 1957 GCT WIRE 10
 DRY 75.7 WET 71.1 CRUISE YALOC71 WIND DIRECTION 19 VEL 20 KTS BAR 12
 SWELL DIRECTION 19 H 03 T 06 CLOUD 6 AMT 6 WEATHER 01

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.89	33.350	22.15	4.91	0.439	-0.021	105	0.41	1.20	0.27	0.00	
25	24.76	33.384	22.22	4.86	0.434	-0.016	104	0.32	1.03	0.49	0.00	
50	13.98	34.937	26.16	2.42	0.216	0.286	43	1.74	16.47	21.31	0.22	0.478
75	13.89	34.931	26.18	2.40	0.214	0.289	43	1.70	16.63	21.31	0.22	
100	13.87	34.937	26.18	2.38	0.213	0.291	42	1.69	16.79	21.32	0.21	0.325
125	13.55	34.937	26.25	2.08	0.186	0.321	37	1.80	18.45	23.26	0.22	0.208
150	13.12	34.916	26.32	2.17	0.194	0.318	38	1.80	19.00	23.36	0.04	0.178
200	12.82	34.919	26.38	2.33	0.208	0.306	40	1.79	18.88	23.15	0.00	
250	11.82	34.856	26.53	0.40	0.036	0.490	7	2.51	29.13	32.70	0.00	0.131
300	10.49	34.773	26.71	0.27	0.024	0.518	4	2.76	35.51	35.27	0.00	8.194
400	8.90	34.685	26.91	0.47	0.042	0.520	7	2.92	42.45	37.42	0.00	8.194
600	7.45	34.620	27.08	0.76	0.068	0.514	12	3.01	53.81	39.10	0.00	8.194

OBSERVED VALUES

W 5 63 01 30.0 N 092 00.0 W DATE 28 NOV 71 0100 GCT WIRE 05
 DRY 74.9 WET 71.3 CRUISE YALOC71 WIND DIRECTION 18 VEL 10 KTS BAR 12
 SWELL DIRECTION 19 H 03 T 08 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.24	33.697	22.31	4.83	0.431	-0.017	104	0.26	1.66	0.78	0.01	
25	25.26	33.700	22.30	4.88	0.436	-0.022	105	0.29	1.62	0.79	0.01	
50	14.10	34.962	26.15	2.24	0.200	0.301	40	1.73	16.79	21.41	0.20	0.610
75	14.04	34.957	26.16	2.24	0.200	0.302	40	1.77	16.76	21.40	0.21	
100	13.80	34.949	26.21	2.25	0.201	0.303	40	1.80	17.45	21.48	0.22	0.314
125	13.51	34.948	26.27	1.71	0.153	0.354	30	1.99	19.35	24.32	0.11	0.267
150	13.35	34.944	26.30	1.78	0.159	0.350	31	1.99	19.69	23.84	0.02	0.192
200	12.71	34.903	26.39	1.29	0.115	0.401	22	2.28	23.13	27.44	0.00	
250	12.04	34.866	26.50	0.63	0.056	0.467	11	2.53	27.72	30.73	0.00	0.107
300	10.79	34.783	26.66	0.31	0.028	0.510	5	2.79	34.15	33.69	0.00	
400	9.16	34.695	26.87	0.34	0.030	0.528	5	3.02	42.34	36.49	0.00	
500	7.82	34.627	27.03	0.67	0.060	0.516	10	3.01	49.29	37.88	0.00	
600		34.600		0.89	0.079			3.05	55.11	38.18	0.00	

OBSERVED VALUES

W 5 64 01 29.5 N 091 41.4 W DATE 28 NOV 71 0410 GCT WIRE 05
 DRY 74.0 WET 71.0 CRUISE YALOC71 WIND DIRECTION 20 VEL 13 KTS BAR 10
 SWELL DIRECTION 19 H 02 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.96	33.488	22.23	4.85	0.433	-0.017	104	0.22	1.07	0.28	0.01	
25	24.70	33.648	22.43	4.65	0.415	0.003	99	0.34	1.73	1.80	0.04	
50	14.10	34.971	26.16	2.05	0.183	0.318	37	1.77	16.37	23.01	0.07	0.267
75	13.80	34.963	26.22	2.09	0.187	0.317	37	1.80	16.87	23.58	0.10	
100	13.72	34.957	26.23	2.16	0.193	0.312	38	1.79	16.75	23.35	0.17	0.292
125	13.59	34.943	26.25	2.16	0.193	0.313	38	1.80	17.07	23.50	0.20	0.172
150	13.36	34.932	26.29	2.00	0.179	0.330	35	1.88	18.11	24.05	0.10	0.349
200	12.96	34.916	26.35	1.85	0.165	0.348	32	1.96	19.36	26.08	0.03	
250	12.33	34.883	26.45	0.97	0.087	0.433	17	2.29	23.94	30.76	0.01	0.159
300	11.33	34.815	26.59	0.50	0.045	0.487	8	2.55	29.84	33.25	0.01	
400	8.66	34.672	26.94	0.49	0.044	0.521	8	2.91	43.50	38.91	0.00	
500	8.03	34.636	27.00	0.64	0.057	0.516	10	2.97	45.80	40.10	0.00	
600	6.86	34.593	27.14	0.91	0.081	0.508	14	3.06	56.07	41.40	0.00	

OBSERVED VALUES

W 5 65 01 30.2 N 091 10.0 W DATE 28 NOV 71 0835 GCT WIRE 10
 DRY 74.0 WET 71.0 CRUISE YALOC71 WIND DIRECTION 20 VEL 12 KTS BAR 10
 SWELL DIRECTION 19 H 02 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.02	33.623	22.32	4.82	0.430	-0.015	104	0.31	0.76	0.54	0.01	
25	25.05	33.625	22.31	4.83	0.431	-0.016	104	0.31	0.69	0.56	0.01	
50	14.72	34.997	26.05	2.09	0.187	0.308	38	1.67	13.85	21.00	0.31	0.513
74	13.93	34.970	26.20	1.98	0.177	0.326	35	1.80	16.12	22.77	0.03	
99	13.57	34.949	26.26	2.13	0.190	0.316	38	1.82	16.65	22.68	0.04	0.209
124	13.45	34.942	26.27	2.18	0.195	0.313	38	1.81	16.64	22.36	0.04	0.106
149	13.42	34.940	26.28	2.21	0.197	0.311	39	1.84	16.73	22.66	0.07	0.274
199	12.98	34.911	26.35	2.14	0.191	0.322	37	1.90	18.00	22.54	0.03	
248	12.80	34.850	26.34	2.14	0.191	0.324	37	1.93	18.27	22.80	0.02	0.463
298	11.86	34.845	26.51	0.58	0.052	0.474	10	2.53	26.30	30.94	0.01	
397	9.95	34.743	26.78	0.39	0.035	0.513	6	2.85	35.96	35.76	0.00	
496	8.05	34.640	27.00	0.58	0.052	0.521	9	3.03	45.62	38.78	0.00	
596	7.35	34.608	27.08	0.89	0.079	0.503	14	3.05	48.79	38.79	0.00	

OBSERVED VALUES

W 5 66 02 00.0 N 091 10.0 W DATE 28 NOV 71 1230 GCT WIRE 08
 DRY 75.0 WET 72.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 12 KTS BAR 10
 SWELL DIRECTION 19 H 02 T 08 CLOUD 6 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.22	34.710	23.08	4.79	0.428	-0.016	104	0.26	1.00	0.75	0.00	
25	25.24	34.709	23.07	4.81	0.430	-0.018	104	0.37	0.98	0.76	0.00	
50	15.03	34.980	25.97	2.16	0.193	0.299	39	1.73	12.48	19.72	0.39	0.490
75	14.19	34.978	26.15	2.03	0.181	0.319	36	1.55	15.63	21.08	0.03	
100	13.59	34.936	26.24	2.24	0.200	0.306	40	1.56	16.65	21.18	0.00	0.114
125	13.48	34.935	26.26	2.20	0.196	0.311	39	1.61	16.89	21.31	0.02	0.197
150	13.43	34.934	26.27	2.19	0.196	0.312	39	1.65	16.96	21.74	0.02	0.128
200	12.90	34.910	26.36	1.53	0.137	0.377	27	1.87	20.08	25.25	0.00	
250	12.55	34.887	26.41	1.09	0.097	0.420	19	2.07	22.49	27.78	0.00	0.121
300	11.86	34.839	26.51	0.56	0.050	0.475	10	2.35	26.80	30.62	0.00	
400	9.52	34.709	26.83	0.38	0.034	0.520	6	2.70	38.36	35.46	0.00	
500	8.14	34.636	26.99	0.59	0.053	0.519	9	2.87	44.62	37.02	0.00	
600	7.23	34.603	27.09	0.71	0.063	0.521	11	3.01	52.61	38.26	0.00	

OBSERVED VALUES

W 5 67 01 59.5 N 091 39.9 W DATE 28 NOV 71 1650 GCT WIRE 02
 DRY 77.0 WET 72.5 CRUISE YALOC71 WIND DIRECTION 21 VEL 18 KTS BAR 13
 SWELL DIRECTION 21 H 03 T 06 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.37	33.688	22.26	4.81	0.430	-0.016	104	0.25	0.93	0.52	0.00	
25	25.38	33.685	22.26	4.82	0.430	-0.017	104	0.28	0.99	0.51	0.00	
50	17.46	34.741	25.22	2.98	0.266	0.204	57	1.32	7.51	16.12	0.05	0.877
75	14.36	34.688	25.89	2.09	0.187	0.313	37	1.78	15.70	23.03	0.04	
100	14.06	34.973	26.17	2.09	0.187	0.315	37	1.82	16.29	23.15	0.09	0.207
125	13.83	34.961	26.21	2.06	0.184	0.320	37	1.76	16.80	23.63	0.12	0.213
150	13.72	34.956	26.23	2.15	0.192	0.313	38	1.90	16.71	23.22	0.02	0.252
200	13.19	34.925	26.31	2.01	0.180	0.331	35	2.02	18.45	24.75	0.00	
250	12.68	34.898	26.40	1.05	0.094	0.422	18	2.22	22.46	29.74	0.00	0.100
300	11.71	34.835	26.53	0.42	0.038	0.490	7	2.52	28.18	33.21	0.00	
400	9.29	34.700	26.86	0.42	0.038	0.519	7	2.85	40.03	38.75	0.00	
500	8.05	34.640	27.00	0.63	0.056	0.517	10	2.97	46.27	40.21	0.00	
600	6.98	34.590	27.12	0.95	0.085	0.503	14	3.02	53.80	41.18	0.00	

OBSERVED VALUES

W 5 68 02 00.0 N 091 59.9 W DATE 28 NOV 71. 2015 GCT WIRE 02
 DRY 77.0 WET 72.2 CRUISE YALOC71 WIND DIRECTION 19 VEL 18 KTS BAR 11
 SWELL DIRECTION 19 H 02 T 06 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.41	33.666	22.23	4.81	0.430	-0.017	104	0.29	0.98	1.02	0.00	
24	25.37	33.666	22.24	4.81	0.430	-0.016	104	0.29	0.89	1.06	0.00	
49	17.76	34.675	25.10	3.04	0.272	0.196	58	1.23	7.74	15.17	0.20	1.062
73	14.09	34.973	26.17	2.09	0.187	0.314	37	1.75	16.43	22.88	0.07	
97	13.89	34.957	26.20	2.25	0.201	0.302	40	1.72	16.41	22.70	0.18	0.199
122	13.66	34.945	26.23	2.19	0.196	0.310	39	1.75	17.08	22.78	0.18	0.287
146	13.36	34.937	26.29	1.83	0.163	0.345	32	1.89	18.63	24.83	0.07	0.165
195	12.95	34.919	26.36	1.36	0.121	0.392	24	2.09	21.05	28.11	0.00	
243	12.42	34.882	26.43	0.89	0.079	0.440	15	2.31	24.14	30.96	0.00	0.134
292	11.66	34.835	26.54	0.47	0.042	0.486	8	2.51	28.11	33.63	0.00	
389	9.08	34.692	26.88	0.40	0.036	0.524	6	2.85	40.91	38.54	0.00	
487	8.09	34.641	27.00	0.58	0.052	0.521	9	2.94	46.25	40.27	0.00	
584	7.10	34.602	27.11	0.77	0.069	0.518	12	3.04	52.69	40.91	0.00	

OBSERVED VALUES

W 5 69 02 30.0 N 092 00.0 W DATE 29 NOV 71 0022 GCT WIRE 35
 DRY 76.1 WET 71.9 CRUISE YALOC71 WIND DIRECTION 18 VEL 15 KTS BAR 10
 SWELL DIRECTION 20 H 03 T 08 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.49	33.678	22.22	4.77	0.426	-0.013	103	0.25	0.84	0.01	0.02	
25	25.52	33.677	22.21	4.77	0.426	-0.014	103	0.26	0.81	0.03	0.02	
50	20.64	34.316	24.09	3.54	0.316	0.129	71	0.96	6.15	10.50	0.29	1.311
74	15.46	34.948	25.85	2.42	0.216	0.272	44	1.59	11.66	19.83	0.33	
99	14.35	34.987	26.12	2.09	0.187	0.312	37	1.71	15.72	22.96	0.08	0.257
124	14.02	34.970	26.18	2.04	0.182	0.320	36	1.75	16.54	23.49	0.15	0.285
149	13.93	34.967	26.19	2.08	0.186	0.317	37	1.73	16.52	23.50	0.15	0.206
198	13.28	34.935	26.30	1.53	0.137	0.373	27	1.99	19.29	27.19	0.02	
248	12.71	34.898	26.39	1.06	0.095	0.421	18	2.17	22.19	29.71	0.01	0.035
297	12.26	34.865	26.45	0.78	0.070	0.451	13	2.28	24.54	31.81	0.01	
396	9.10	34.685	26.88	0.35	0.031	0.528	6	2.84	40.50	38.19	0.00	
495	8.00	34.638	27.01	0.42	0.038	0.536	7	2.97	47.02	40.51	0.00	
594	7.10	34.602	27.11	0.63	0.056	0.530	10	3.05	55.67	41.85	0.00	

OBSERVED VALUES

W 5 70 02 30.2 N 091 39.0 W DATE 29 NOV 71 0330 GCT WIRE 05
 DRY 75.0 WET 72.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 08 KTS BAR 10
 SWELL DIRECTION 20 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.53	33.682	22.21	4.75	0.424	-0.012	103	0.26	0.38	0.64	0.01	
25	25.54	33.681	22.20	4.76	0.425	-0.013	103	0.27	0.36	0.65	0.01	
50	18.20	34.684	25.00	2.83	0.253	0.211	54	1.34	8.89	15.80	0.37	
75	14.55	34.998	26.09	2.06	0.184	0.312	37	1.75	14.91	22.61	0.21	
100	14.28	34.983	26.13	2.03	0.181	0.318	36	1.79	15.65	23.21	0.09	
125	13.77	34.949	26.21	2.16	0.193	0.312	38	1.72	16.58	23.09	0.13	
150	13.72	34.949	26.22	2.14	0.191	0.314	38	1.75	16.64	23.19	0.12	
200	13.15	34.924	26.32	1.45	0.130	0.382	25	2.01	19.55	27.37	0.01	
250	12.64	34.894	26.40	1.02	0.091	0.426	18	2.20	22.50	30.15	0.00	
300	11.90	34.839	26.50	0.35	0.031	0.494	6	2.42	26.90	33.15	0.00	
400	9.15	34.686	26.87	0.56	0.050	0.509	9	2.84	40.66	38.73	0.00	
500	7.90	34.632	27.02	0.56	0.050	0.525	9	3.03	49.10	40.67	0.00	
600	6.96	34.600	27.13	0.64	0.057	0.531	10	3.11	57.34	41.60	0.00	

OBSERVED VALUES

W 5 71 02 30.0 N 091 10.1 W DATE 29 NOV 71 0720 GCT WIRE 07
 DRY 75.5 WET 72.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 10
 SWELL DIRECTION 20 H 03 T 07 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.51	33.677	22.21	4.73	0.422	-0.010	102	0.24	2.50	0.85	0.00	
25	25.53	33.679	22.20	4.75	0.424	-0.012	103	0.31	0.75	0.88	0.01	
50	16.94	34.864	25.44	2.55	0.228	0.246	48	1.51	11.43	20.85	0.35	0.713
75	14.72	35.012	26.06	2.08	0.186	0.309	38	1.73	14.77	24.97	0.42	
100	14.20	34.982	26.15	2.03	0.181	0.319	36	1.80	16.04	26.08	0.27	0.304
125	13.73	34.953	26.23	2.21	0.197	0.307	39	1.79	16.62	25.75	0.11	0.163
150	13.57	34.947	26.25	2.21	0.197	0.309	39	1.81	17.03	26.16	0.09	0.137
200	13.43	34.945	26.28	2.24	0.200	0.308	39	1.83	17.17	26.29	0.06	
250	12.92	34.917	26.36	2.06	0.184	0.330	36	2.14	20.74	31.57	0.00	0.137
300	11.61	34.819	26.54	0.66	0.059	0.469	11	2.45	26.99	37.04	0.00	
400	9.07	34.693	26.89	0.41	0.037	0.523	7	2.96	40.82	43.29	0.00	
500	7.89	34.638	27.03	0.55	0.049	0.526	9	3.01	47.20	44.84	0.00	
600	6.72	34.600	27.16	0.75	0.067	0.525	11	3.11	58.93	46.59	0.00	

OBSERVED VALUES

W 5 72 03 00.0 N 091 10.0 W DATE 29 NOV 71 1125 GCT WIRE 10
 DRY 76.0 WET 72.5 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 10
 SWELL DIRECTION 20 H 03 T 08 CLOUD 6 AMT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.63	33.637	22.14	4.75	0.424	-0.013	103	0.22	0.60	0.52	0.00	
25	25.64	33.635	22.14	4.77	0.426	-0.014	103	0.24	0.45	0.52	0.00	
50	18.76	34.901	25.03	2.89	0.258	0.200	56	1.30	8.72	18.71	0.29	
75	15.13	34.956	25.93	1.57	0.140	0.351	29	1.85	15.37	28.16	0.16	
100	14.62	35.001	26.07	2.13	0.190	0.305	38	1.69	15.01	24.89	0.25	
125	14.38	34.991	26.12	2.06	0.184	0.314	37	1.72	15.60	25.66	0.23	
150	14.06	34.958	26.16	2.13	0.190	0.311	38	1.73	16.28	25.53	0.27	
200	13.32	34.930	26.29	1.27	0.113	0.396	22	2.08	19.60	31.60	0.00	
250	12.78	34.884	26.37	0.83	0.074	0.441	14	2.27	22.33	34.61	0.00	
300	11.89	34.821	26.49	0.38	0.034	0.491	6	2.50	27.45	34.80	0.00	
400	9.48	34.689	26.82	0.35	0.031	0.523	6	2.85	40.37	39.83	0.00	
500	7.98	34.628	27.01	0.50	0.045	0.529	8	3.01	47.80	44.08	0.00	
600	7.05	34.602	27.12	0.49	0.044	0.543	7	3.16	58.36	46.17	0.00	

OBSERVED VALUES

W 5 73 03 00.0 N 091 40.1 W DATE 29 NOV 71 1537 GCT WIRE 08
 DRY 77.8 WET 73.7 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 12
 SWELL DIRECTION 19 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	P04 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.63	33.677	22.17	4.76	0.425	-0.014	103	0.25	0.67	0.48	0.02	
25	25.63	33.675	22.17	4.76	0.425	-0.014	103	0.27	1.14	0.42	0.02	
50	17.70	34.942	25.32	2.40	0.214	0.253	46	1.57	10.83	21.31	0.67	
75	15.11	34.998	25.96	2.18	0.195	0.296	40	1.73	14.60	23.99	0.36	
100	14.41	34.997	26.12	2.09	0.187	0.311	37	1.85	15.36	25.67	0.15	
125	14.22	34.982	26.14	2.01	0.180	0.320	36	1.77	17.20	25.60	0.23	
150	13.98	34.970	26.19	2.09	0.187	0.316	37	1.78	17.00	25.98	0.25	
200	13.45	34.945	26.28	1.87	0.167	0.341	33	1.90	19.45	28.02	0.02	
250	12.60	34.881	26.40	0.66	0.059	0.458	11	2.36	24.91	35.33	0.00	
300	11.51	34.798	26.54	0.46	0.041	0.488	8	2.54	29.53	37.26	0.00	
400	9.08	34.683	26.88	0.35	0.031	0.528	6	2.94	41.92	41.59	0.00	
500	7.95	34.632	27.01	0.40	0.036	0.539	6	3.11	49.80	44.45	0.00	
600	7.02	34.605	27.13	0.48	0.043	0.545	7	3.19	58.78	45.70	0.00	

OBSERVED VALUES

W 5 74 03 00.3 N 092 00.0 W DATE 29 NOV 71 1850 GCT WIRE 06
 DRY 77.7 WET 73.5 CRUISE YALOC71 WIND DIRECTION 18 VEL 14 KTS BAR 11
 SWELL DIRECTION 19 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.63	33.686	22.18	4.80	0.429	-0.017	104	0.24	0.39	0.56	0.00	
25	25.60	33.682	22.19	4.81	0.430	-0.018	104	0.24	0.78	0.55	0.00	
50	17.59	34.930	25.34	2.42	0.216	0.252	46	1.54	11.17	21.29	0.59	0.593
75	14.92	34.989	26.00	2.22	0.198	0.294	40	1.67	13.94	24.03	0.27	
100	14.21	34.984	26.15	2.09	0.187	0.313	37	1.78	16.48	25.43	0.14	0.252
125	14.10	34.978	26.17	2.08	0.186	0.315	37	1.80	16.81	25.49	0.18	0.291
150	14.05	34.971	26.17	2.13	0.190	0.311	38	1.78	16.69	25.63	0.23	0.279
200	13.46	34.947	26.28	1.85	0.165	0.342	33	1.89	19.25	27.95	0.01	
250	12.77	34.892	26.37	0.77	0.069	0.446	13	2.30	24.12	34.78	0.00	0.060
300	11.80	34.816	26.50	0.42	0.038	0.489	7	2.50	28.74	37.06	0.00	
400	9.25	34.684	26.85	0.27	0.024	0.533	4	2.91	42.17	40.11	0.00	
500	7.94	34.640	27.02	0.24	0.021	0.553	4	3.11	52.81	44.87	0.00	
600	6.91	34.600	27.14	0.45	0.040	0.549	7	3.19	60.54	46.17	0.00	
1281	3.65	34.588	27.52	1.77	0.158	0.481	25	3.03	111.10	45.31	0.00	
1805	2.62	34.629	27.64	2.25	0.201	0.455	31	2.94	136.72	44.50	0.00	
2053	2.28	34.646	27.69	2.42	0.216	0.445	33	2.91	146.09	43.36	0.00	
2250	1.92	34.663	27.73	2.64	0.236	0.442	35	2.81	152.42	43.01	0.00	
2349	1.91	34.668	27.73	2.66	0.238	0.430	36	2.83	153.14	43.02	0.00	
2448	1.88	34.669	27.74	2.69	0.240	0.428	36	2.83	155.41	42.67	0.00	
2498	1.87	34.666	27.74	2.75	0.246	0.423	37	2.83	155.37	42.68	0.00	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
2537	1.85	34.668	27.74	2.67	0.238	0.430	36	2.83	155.34	42.69	0.00	

OBSERVED VALUES

W 5 75 03 00.0 N 092 59.9 W DATE 30 NOV 71 0345 GCT WIRE 05
 DRY 76.5 WET 72.7 CRUISE YALOC71 WIND DIRECTION 17 VEL 13 KTS BAR 12
 SWELL DIRECTION 19 H 03 T 07 CLOUD 6 AMT 8 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.50	33.712	22.24	4.76	0.425	-0.013	103	0.23	0.98	0.94	0.00	
25	25.53	33.714	22.23	4.77	0.426	-0.014	103	0.25	1.04	0.97	0.00	
50	16.42	34.877	25.57	2.66	0.238	0.241	50	1.44	11.62	20.44	0.27	0.444
75	15.06	34.960	25.95	1.52	0.136	0.356	28	1.91	16.52	28.37	0.08	
100	14.16	34.951	26.13	1.59	0.142	0.358	28	1.95	18.08	28.58	0.00	0.138
125	13.69	34.939	26.22	1.67	0.149	0.356	30	1.93	18.63	28.59	0.00	0.083
150	13.44	34.933	26.27	1.45	0.130	0.378	25	2.08	19.57	29.89	0.00	0.228
200	12.67	34.883	26.39	0.72	0.064	0.452	12	2.41	23.70	34.42	0.00	
249	11.98	34.836	26.48	0.66	0.059	0.465	11	2.47	26.40	35.64	0.00	0.082
299	10.92	34.760	26.62	1.01	0.090	0.446	17	2.44	29.44	35.64	0.00	
399	8.94	34.670	26.89	0.23	0.021	0.541	4	3.00	45.42	39.83	0.02	
499	7.87	34.636	27.03	0.25	0.022	0.553	4	3.14	52.33	44.73	0.01	
599	7.11	34.607	27.11	0.39	0.035	0.551	6	3.23	43.56	45.18	0.00	

OBSERVED VALUES

W 5 76 02 30.0 N 092 59.9 W DATE 30 NOV 71 0740 GCT WIRE 07
 DRY 76.0 WET 72.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 16 KTS BAR 10
 SWELL DIRECTION 19 H 03 T 07 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.41	34.717	23.02	4.75	0.424	-0.014	103	0.27	0.80	0.60	0.01	
25	25.42	34.715	23.02	4.77	0.426	-0.016	104	0.28	0.83	0.60	0.01	
50	16.29	34.886	25.61	2.71	0.242	0.238	50	1.50	10.98	17.31	0.28	0.730
75	14.61	34.948	26.04	1.43	0.128	0.368	26	2.03	16.91	25.51	0.03	
100	14.12	34.953	26.14	1.34	0.120	0.381	24	2.10	17.94	26.31	0.02	0.260
125	13.57	34.938	26.25	1.87	0.167	0.340	33	1.99	18.07	24.11	0.01	0.215
150	13.36	34.930	26.28	2.09	0.187	0.322	37	1.95	18.10	23.45	0.02	
200	12.85	34.913	26.37	1.55	0.138	0.376	27	2.17	20.65	26.47	0.00	
250	12.01	34.837	26.48	0.69	0.062	0.462	12	2.55	25.30	31.34	0.00	0.080
300	10.90	34.767	26.63	0.66	0.059	0.478	11	2.68	30.10	32.85	0.00	
400	8.99	34.682	26.89	0.29	0.026	0.535	5	3.10	42.33	37.47	0.00	
500	7.80	34.630	27.03	0.34	0.030	0.546	5	3.30	51.34	39.40	0.00	
600	6.88	34.597	27.14	0.55	0.049	0.540	8	3.38	59.19	40.50	0.00	

OBSERVED VALUES

W 5 77 02 00.0 N 093 00.0 W DATE 30 NOV 71 1145 GCT WIRE 15
 DRY 75.0 WET 71.0 CRUISE YALOC71 WIND DIRECTION 18 VEL 16 KTS BAR 10
 SWELL DIRECTION 19 H 04 T 08 CLOUD 6 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.14	34.740	23.12	4.75	0.424	-0.012	103	0.30	2.34	0.95	0.01	
25	25.16	34.739	23.12	4.75	0.424	-0.012	103	0.33	2.21	0.96	0.01	
49	17.92	34.602	25.01	3.15	0.281	0.185	60	1.23	9.01	15.08	0.20	0.834
74	15.08	34.899	25.89	2.38	0.213	0.279	43	1.65	14.87	20.64	0.21	
99	14.02	34.958	26.17	1.90	0.170	0.332	34	1.86	17.77	23.98	0.24	0.171
123	13.56	34.933	26.25	1.19	0.106	0.400	21	2.17	20.37	28.22	0.01	0.099
148	13.24	34.916	26.30	1.07	0.096	0.415	19	2.23	21.22	28.93	0.00	0.073
197	12.81	34.903	26.37	1.13	0.101	0.414	20	2.25	22.45	29.08	0.00	
246	12.18	34.856	26.46	0.72	0.064	0.457	12	2.43	25.76	31.52	0.00	0.050
296	11.19	34.774	26.58	0.81	0.072	0.461	14	2.53	29.24	32.45	0.00	
394	9.24	34.695	26.86	0.25	0.022	0.535	4	3.00	42.73	37.76	0.00	
493	8.00	34.634	27.01	0.63	0.056	0.518	10	3.05	46.52	39.39	0.00	
591	7.06	34.599	27.12	0.72	0.064	0.523	11	3.19	56.21	40.49	0.00	

OBSERVED VALUES

W 5 78 01 30.1 N 093 00.0 W DATE 30 NOV 71 1645 GCT WIRE 10
 DRY 76.0 WET 72.0 CRUISE YALOC71 WIND DIRECTION 16 VEL 18 KTS BAR 10
 SWELL DIRECTION 16 H 04 T 06 CLOUD 8 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.28	33.727	22.32	4.77	0.426	-0.012	103	0.31	1.58	0.74	0.02	
25	25.27	33.728	22.32	4.78	0.427	-0.013	103	0.32	1.54	0.73	0.02	
50	15.68	34.767	25.66	2.96	0.264	0.222	54	1.48	13.20	17.40	0.21	0.594
75	14.60	34.922	26.02	2.33	0.208	0.288	42	1.77	15.92	20.74	0.21	
100	13.88	34.942	26.19	1.25	0.112	0.392	22	2.13	19.39	27.31	0.07	0.191
125	13.57	34.930	26.24	1.14	0.102	0.405	20	2.28	20.35	28.16	0.02	0.247
150	13.13	34.914	26.32	1.06	0.095	0.417	19	2.35	21.43	28.85	0.03	0.064
200	12.83	34.911	26.38	1.53	0.137	0.378	27	2.21	21.58	26.76	0.01	
250	12.20	34.860	26.46	0.61	0.054	0.467	10	2.58	26.60	31.63	0.01	0.113
300	11.16	34.781	26.60	0.81	0.072	0.461	14	2.63	29.46	32.40	0.00	
400	8.93	34.680	26.90	0.40	0.036	0.525	6	3.11	42.80	38.02	0.00	
500	7.82	34.626	27.03	0.66	0.059	0.517	10	3.18	48.35	38.98	0.01	
600	6.99	34.589	27.12	1.02	0.091	0.497	15	3.21	53.82	39.34	0.00	
1317	3.69	34.585	27.51	1.74	0.155	0.483	24	3.32	109.40	40.06	0.00	
1862	2.35	34.632	27.67	2.42	0.216	0.444	33	3.12	137.32	38.35	0.00	
2110	2.19	34.645	27.69	2.54	0.227	0.436	34	3.08	142.68	38.03	0.00	
2308	1.98	34.657	27.72	2.73	0.244	0.423	37	3.04	145.86	37.73	0.00	
2407	1.95	34.659	27.72	2.75	0.246	0.422	37	3.02	147.15	37.14	0.00	
2506	1.87	34.662	27.73	2.76	0.247	0.422	37	3.01	148.47	37.14	0.00	
2555	1.84	34.664	27.74	2.91	0.260	0.409	39	3.01	149.13	37.13	0.02	

OBSERVED VALUES

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
2595	1.82	34.664	27.74	2.68	0.257	0.412	38	2.85	149.79	37.15	0.00	

OBSERVED VALUES

W 5 79 01 15.0 N 093 01.8 W DATE 30 NOV 71 2032 GCT WIRE 10
 DRY 76.0 WET 71.2 CRUISE YALOC71 WIND DIRECTION 16 VEL 18 KTS BAR 10
 SWELL DIRECTION 16 H 04 T 06 CLOUD 8 AMT 1 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	25.23	33.706	22.32	4.81	0.430	-0.015	104	0.30	1.89	0.91	0.01	
24	25.16	33.711	22.34	4.83	0.431	-0.017	104	0.36	1.91	0.96	0.01	
49	16.25	34.728	25.50	2.99	0.267	0.214	56	1.44	11.16	16.79	0.20	0.931
73	14.64	34.914	26.00	2.51	0.224	0.272	45	1.72	15.26	20.01	0.18	
98	13.82	34.941	26.20	1.46	0.130	0.374	26	2.15	18.94	26.34	0.09	0.376
122	13.38	34.930	26.28	1.30	0.116	0.392	23	2.25	20.33	27.53	0.01	0.185
146	13.11	34.925	26.33	1.78	0.159	0.352	31	2.10	19.83	25.54	0.00	0.197
195	12.56	34.893	26.42	1.03	0.092	0.425	18	2.42	24.28	30.29	0.00	
244	12.11	34.869	26.49	0.72	0.064	0.458	12	2.57	26.70	31.67	0.00	0.215
293	11.63	34.825	26.54	0.47	0.042	0.486	8	2.68	29.13	33.23	0.00	
390	9.28	34.700	26.86	0.35	0.031	0.526	6	3.05	40.80	37.73	0.00	
488	7.95	34.632	27.01	0.70	0.063	0.512	11	3.13	46.56	39.36	0.00	
585	7.15	34.595	27.10	1.01	0.090	0.495	15	3.20	51.84	39.72	0.00	

OBSERVED VALUES

W 5 80 01 00.0 N 093 00.0 W DATE 30 NOV 71 2330 GCT WIRE 05
 DRY 75.1 WET 71.2 CRUISE YALOC71 WIND DIRECTION 16 VEL 18 KTS BAR 09
 SWELL DIRECTION 16 H 05 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.78	33.514	22.31	3.84	0.343	0.075	82	0.26	1.79	0.47	0.00	
25	24.81	33.528	22.31	4.86	0.434	-0.017	104	0.27	1.82	0.53	0.00	
49	14.96	34.851	25.88	2.82	0.252	0.241	51	1.54	14.30	19.06	0.23	
74	13.92	34.958	26.19	1.93	0.172	0.331	34	1.88	17.70	24.10	0.13	
99	13.42	34.948	26.29	2.00	0.179	0.329	35	1.93	18.83	24.62	0.01	
123	13.27	34.938	26.31	1.63	0.146	0.364	29	2.05	19.88	26.36	0.00	
148	13.12	34.930	26.33	1.61	0.144	0.368	28	2.07	20.49	26.60	0.00	
198	12.80	34.906	26.38	1.13	0.101	0.414	20	2.26	22.52	29.25	0.00	
247	12.28	34.883	26.46	0.90	0.080	0.440	15	2.39	26.22	31.01	0.00	
296	11.40	34.815	26.58	0.40	0.036	0.495	7	2.67	30.37	32.09	0.00	
395	9.20	34.699	26.87	0.39	0.035	0.523	6	2.96	40.26	38.09	0.00	
494	8.16	34.645	26.99	0.64	0.057	0.514	10	3.05	45.77	39.07	0.00	
593	7.25	34.601	27.09	0.90	0.080	0.504	14	3.09	51.20	39.75	0.02	

OBSERVED VALUES

W 5 81 00 45.1 N 093 00.1 W DATE 01 DEC 71 0232 GCT WIRE 03
 DRY 72.2 WET 70.0 CRUISE YALOC71 WIND DIRECTION 14 VEL 13 KTS BAR 12
 SWELL DIRECTION 16 H 04 T 07 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	24.53	33.381	22.28	4.86	0.434	-0.014	103	0.22	1.52	0.36	0.00	
25	24.55	33.388	22.28	4.87	0.435	-0.015	104	0.23	1.42	0.40	0.00	
50	14.43	34.884	26.02	2.51	0.224	0.274	45	1.64	15.58	20.72	0.22	0.285
75	13.84	34.912	26.17	2.24	0.200	0.304	40	1.78	16.93	21.84	0.26	
100	13.29	34.875	26.26	2.23	0.199	0.311	39	1.87	18.67	23.88	0.26	0.123
125	13.09	34.882	26.30	2.32	0.207	0.305	40	1.85	18.63	23.61	0.06	0.086
150	13.06	34.898	26.32	2.50	0.223	0.289	44	1.79	17.80	22.59	0.03	0.103
200	12.84	34.883	26.35	2.26	0.202	0.313	39	1.88	19.11	23.95	0.01	
250	12.59	34.872	26.39	1.27	0.113	0.404	27	2.25	22.90	29.11	0.00	0.021
300	10.92	34.763	26.62	0.32	0.029	0.508	5	2.73	32.84	33.29	0.00	
400	9.43	34.682	26.82	0.32	0.029	0.526	5	2.91	39.30	38.10	0.00	
500	7.91	34.609	27.00	0.69	0.062	0.514	11	3.06	48.49	40.14	0.00	
600	7.20	34.570	27.37	0.39	0.035	0.550	6	3.06	52.01	39.90	0.25	

OBSERVED VALUES

W 5 82 00 30.0 N 093 00.0 W DATE 01 DEC 71 0535 GCT WIRE 05
 DRY 72.0 WET 69.0 CRUISE YALOC71 WIND DIRECTION 13 VEL 18 KTS BAR 10
 SWELL DIRECTION 16 H 04 T 06 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.49	33.202	22.45	4.92	0.439	-0.012	103	0.32	1.72	1.46	0.03	
25	18.01	34.397	24.83	3.49	0.312	0.155	67	1.15	9.08	13.55	0.18	
50	14.24	34.908	26.08	2.48	0.221	0.278	44	1.69	16.58	21.25	0.24	
75	13.47	34.910	26.25	2.25	0.201	0.307	40	1.84	18.36	23.23	0.24	
100	13.24	34.917	26.30	2.51	0.224	0.286	44	1.78	17.89	22.28	0.08	
125	13.16	34.930	26.32	2.42	0.216	0.295	42	1.83	17.97	22.87	0.09	
150	12.99	34.919	26.35	2.48	0.221	0.291	43	1.84	18.23	23.03	0.02	
200	12.84	34.910	26.37	2.32	0.207	0.307	40	1.79	19.13	24.03	0.01	
249	12.67	34.898	26.40	1.69	0.151	0.365	29	2.02	21.66	27.03	0.00	
299	11.40	34.822	26.58	0.31	0.028	0.503	5	2.62	31.80	35.25	0.00	
399	9.06	34.686	26.88	0.47	0.042	0.518	7	2.87	41.31	38.59	0.00	
499	8.01	34.635	27.01	0.64	0.057	0.517	10	2.98	47.71	39.59	0.01	
599	7.08	34.591	27.11	1.01	0.090	0.496	15	3.03	53.08	39.93	0.03	

OBSERVED VALUES

W 5 83 00 14.6 N 093 01.3 W DATE 01 DEC 71 0830 GCT WIRE 00
 DRY 71.2 WET 69.0 CRUISE YALOC71 WIND DIRECTION 13 VEL 18 KTS BAR 10
 SWELL DIRECTION 16 H 04 T 06 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	23.11	33.242	22.59	4.91	0.439	-0.009	102	0.30	1.62	1.67	0.03	
25	16.35	34.679	25.44	3.11	0.278	0.202	58	1.32	11.60	16.21	0.21	
50	13.66	34.912	26.21	2.29	0.205	0.301	40	1.77	17.90	22.26	0.22	0.145
75	13.34	34.914	26.28	2.43	0.217	0.292	43	1.73	17.95	21.75	0.09	
100	13.29	34.934	26.30	2.42	0.216	0.293	42	1.76	17.75	22.19	0.13	0.060
125	13.16	34.935	26.33	2.29	0.205	0.306	40	1.80	18.08	22.40	0.09	0.094
150	12.80	34.908	26.38	2.25	0.201	0.314	39	1.84	19.32	22.99	0.01	0.084
200	12.77	34.904	26.38	2.19	0.196	0.320	38	1.86	19.57	23.79	0.01	
250	12.37	34.878	26.44	1.07	0.096	0.424	18	2.26	24.42	28.74	0.01	0.052
300	10.48	34.765	26.70	0.27	0.024	0.518	4	2.65	35.09	35.53	0.00	
400	9.11	34.686	26.87	0.50	0.045	0.514	8	2.83	40.19	37.40	0.00	
500	8.05	34.630	27.00	0.81	0.072	0.501	13	2.88	44.50	37.69	0.01	
600	7.09	34.590	27.10	0.99	0.088	0.498	15	3.00	52.72	38.95	0.00	

OBSERVED VALUES

W 5 84 00 00.0 N 093 00.0 W DATE 01 DEC 71 1125 GCT WIRE 15
 DRY 70.0 WET 68.0 CRUISE YALOC71 WIND DIRECTION 16 VEL 15 KTS BAR 12
 SWELL DIRECTION 16 H 03 T 08 CLOUD AMT 0 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.50	33.611	23.32	4.83	0.431	0.009	98	0.49	3.19	4.45	0.06	
25	16.24	34.689	25.47	3.08	0.275	0.206	57	1.36	12.20	16.82	0.18	
50	13.83	34.956	26.21	2.51	0.224	0.280	44	1.67	16.93	21.44	0.14	1.014
74	13.49	34.938	26.26	2.50	0.223	0.284	44	1.75	17.83	22.11	0.10	
99	13.43	34.960	26.29	2.40	0.214	0.294	42	1.79	17.50	22.48	0.15	0.116
124	13.28	34.951	26.32	2.28	0.204	0.306	40	1.85	14.85	23.47	0.12	0.213
149	12.94	34.926	26.37	2.25	0.201	0.312	39	1.93	19.60	24.41	0.03	0.172
199	12.74	34.908	26.39	2.14	0.191	0.324	37	1.94	19.89	24.84	0.00	
248	12.75	34.909	26.39	2.11	0.188	0.327	37	1.87	20.19	24.94	0.00	0.124
298	11.17	34.831	26.63	0.31	0.028	0.506	5	2.63	31.91	35.76	0.00	
397	9.05	34.689	26.89	0.48	0.043	0.517	8	2.83	40.73	39.26	0.00	
496	8.12	34.638	26.99	0.81	0.072	0.500	13	2.86	43.97	39.59	0.01	
596	7.14	34.595	27.10	1.05	0.094	0.492	16	2.96	50.96	40.70	0.00	

OBSERVED VALUES

W 5 85 00 15.0 S 093 00.0 W DATE 01 DEC 71 2210 GCT WIRE 03
 DRY 71.1 WET 78.8 CRUISE YALOC71 WIND DIRECTION 16 VEL 14 KTS BAR 12
 SWELL DIRECTION 16 H 03 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.76	34.156	24.20	4.50	0.402	0.051	89	0.85	6.59	9.71	0.16	
25	18.39	34.296	24.66	3.95	0.353	0.111	76	1.02	7.61	11.38	0.17	
50	14.79	35.040	26.07	2.35	0.210	0.284	42	1.75	13.92	20.77	0.29	0.511
75	13.83	35.004	26.24	2.40	0.214	0.289	43	1.81	15.56	21.60	0.21	
100	13.49	34.980	26.30	2.33	0.208	0.299	41	1.86	16.81	22.38	0.24	0.158
125	13.23	34.958	26.33	2.32	0.207	0.303	41	1.91	17.32	23.13	0.10	0.135
150	12.84	34.921	26.38	2.10	0.188	0.327	36	2.01	19.31	24.71	0.02	0.175
200	12.72	34.912	26.40	2.06	0.184	0.332	36	2.03	19.75	25.02	0.01	
250	12.68	34.908	26.40	1.85	0.165	0.351	32	2.11	20.46	25.98	0.01	0.108
300	12.38	34.887	26.45	1.05	0.094	0.426	18	2.37	23.95	29.89	0.01	
400	9.03	34.692	26.89	0.58	0.052	0.508	9	2.92	39.00	37.96	0.00	
500	7.89	34.631	27.02	0.92	0.082	0.493	14	2.97	43.70	38.91	0.01	
600	7.14	34.596	27.10	1.13	0.101	0.485	17	3.05	49.47	39.57	0.03	

OBSERVED VALUES

W 5 86 00 28.6 S 092 59.6 W DATE 02 DEC 71 0042 GCT WIRE 10
 DRY 68.8 WET 67.1 CRUISE YALOC71 WIND DIRECTION 14 VEL 10 KTS BAR 12
 SWELL DIRECTION 16 H 03 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.24	34.275	24.43	4.42	0.395	0.062	86	0.91	7.07	10.54	0.15	
25	16.08	34.813	25.60	2.98	0.266	0.216	55	1.44	11.23	17.21	0.27	
50	14.16	35.003	26.17	2.33	0.208	0.292	42	1.73	15.34	21.86	0.49	
75	13.70	34.971	26.25	2.34	0.209	0.296	41	1.76	16.33	22.40	0.37	
100	13.38	34.971	26.31	2.25	0.201	0.307	40	1.77	16.74	23.51	0.14	
125	12.92	34.932	26.37	2.17	0.194	0.320	38	1.89	18.28	24.17	0.05	
150	12.80	34.919	26.39	1.94	0.173	0.342	34	1.95	19.58	25.95	0.01	
200	12.68	34.911	26.41	2.00	0.179	0.337	35	1.99	19.84	25.95	0.01	
250	12.50	34.898	26.43	1.40	0.125	0.393	24	2.19	22.10	28.94	0.01	
300	10.48	34.778	26.71	0.24	0.021	0.520	4	2.78	33.75	36.90	0.00	
400	8.91	34.628	26.91	0.53	0.047	0.514	8	2.90	39.79	39.35	0.00	
500	7.89	34.631	27.02	0.89	0.079	0.496	14	2.93	42.90	39.67	0.03	
600	7.07	34.593	27.11	1.21	0.108	0.479	18	2.92	48.64	40.40	0.03	

OBSERVED VALUES

W 5 87 00 45.1 S 092 59.7 W DATE 02 DEC 71 0350 GCT WIRE 04
 DRY 68.5 WET 67.2 CRUISE YALOC71 WIND DIRECTION 14 VEL 07 KTS BAR 15
 SWELL DIRECTION 16 H 03 T 07 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.88	34.287	24.27	4.52	0.404	0.047	89	0.83	5.59	9.68	0.14	
25	16.24	34.795	25.55	3.27	0.292	0.189	61	1.08	10.89	16.58	0.34	
50	14.75	34.967	26.02	2.58	0.230	0.264	47	1.60	13.62	20.85	0.33	
75	13.72	34.963	26.24	2.33	0.208	0.297	41	1.73	15.59	22.76	0.33	
100	13.30	34.954	26.31	2.40	0.214	0.295	42	1.78	16.45	23.65	0.06	
125	13.29	34.952	26.32	2.17	0.194	0.316	38	1.82	16.97	24.03	0.05	
150	13.26	34.951	26.32	2.11	0.188	0.321	37	1.89	17.21	24.71	0.05	
200	12.76	34.916	26.39	1.90	0.170	0.346	33	1.97	18.93	26.45	0.01	
250	12.58	34.906	26.42	1.51	0.135	0.382	26	2.10	20.50	28.43	0.01	
300	11.65	34.848	26.56	0.24	0.021	0.506	4	2.61	28.23	35.37	0.02	
400	9.04	34.691	26.89	0.50	0.045	0.515	8	2.85	37.26	39.04	0.00	
500	7.65	34.616	27.04	1.05	0.094	0.485	16	2.87	41.70	39.38	0.00	
600	7.18	34.593	27.09	1.22	0.109	0.476	19	2.93	45.34	39.73	0.00	

OBSERVED VALUES

W 5 88 01 00.0 S 093 00.1 W DATE 02 DEC 71 0655 GCT WIRE 00
 DRY 68.5 WET 67.0 CRUISE YALOC71 WIND DIRECTION 14 VFL 08 KTS BAR 10
 SWELL DIRECTION 16 H 02 T 07 CLOUD AMT 0 WEATHER 02.

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	ACU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.77	34.255	24.27	4.67	0.417	0.035	92	0.83	6.12	9.22	0.14	
25	15.35	34.870	25.81	2.92	0.261	0.228	53	1.47	13.61	18.21	0.20	
50	14.20	34.965	26.14	2.40	0.214	0.286	43	1.69	16.11	20.75	0.43	
75	13.45	34.957	26.29	2.33	0.208	0.300	41	1.76	17.28	22.03	0.16	
100	13.20	34.937	26.32	2.00	0.179	0.332	35	1.89	19.15	24.49	0.03	
125	13.16	34.937	26.33	1.93	0.172	0.339	34	1.92	19.41	24.78	0.04	
150	12.97	34.923	26.36	2.20	0.196	0.316	38	1.84	18.82	23.91	0.03	
200	12.75	34.911	26.39	1.34	0.120	0.396	23	2.13	22.21	28.10	0.00	
250	12.40	34.891	26.45	0.81	0.072	0.447	14	2.32	25.03	30.99	0.00	
300	11.46	34.828	26.58	0.22	0.020	0.510	4	2.63	31.30	34.37	0.02	
400	8.95	34.684	26.90	0.68	0.061	0.500	11	2.83	40.20	37.88	0.00	
500	7.90	34.621	27.01	0.95	0.085	0.490	15	2.86	44.96	38.79	0.08	
600	7.16	34.587	27.09	1.21	0.108	0.477	18	2.88	48.76	38.87	0.00	

OBSERVED VALUES

W 5 89 01 15.0 S 093 00.0 W DATE 02 DEC 71 0930 GCT WIRE 07
 DRY 68.3 WET 67.0 CRUISE YALOC71 WIND DIRECTION 14 VEL 06 KTS BAR 10
 SWELL DIRECTION 18 H 03 T 08 CLOUD 3 AMT 4 WEATHER 02

DEPTH	TEMP DEG.C	SAL O/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.83	34.445	24.40	4.82	0.430	0.021	95	0.76	3.64	8.84	0.16	
25	15.50	34.833	25.75	3.08	0.275	0.213	56	1.39	12.99	17.39	0.18	
50	14.13	34.977	26.16	2.35	0.210	0.291	42	1.68	16.00	21.29	0.50	
75	13.45	34.956	26.29	2.27	0.203	0.305	40	1.75	17.45	22.63	0.23	
100	13.16	34.938	26.33	2.24	0.200	0.311	39	1.76	18.16	23.36	0.03	
125	13.01	34.927	26.35	2.23	0.199	0.313	39	1.77	19.17	23.62	0.04	
150	12.86	34.917	26.38	2.04	0.182	0.332	35	1.85	19.81	24.70	0.02	
200	12.81	34.919	26.39	1.70	0.152	0.363	30	1.96	20.84	26.57	0.01	
250	12.48	34.898	26.44	0.82	0.073	0.445	14	2.38	24.76	31.34	0.00	
300	11.38	34.820	26.59	0.27	0.024	0.507	5	2.70	31.39	34.62	0.00	
400	8.86	34.678	26.91	0.60	0.054	0.509	10	2.86	40.40	38.20	0.00	
500	8.06	34.635	27.00	0.93	0.083	0.490	14	2.92	44.10	38.86	0.00	
600	7.18	34.592	27.09	1.30	0.116	0.469	20	2.90	46.58	38.84	0.02	

OBSERVED VALUES

W 5 90 01 30.0 S 093 00.0 W DATE 02 DEC 71 1210 GCT WIRE 08
 DRY 68.0 WET 67.0 CRUISE YALOC71 WIND DIRECTION 17 VEL 04 KTS BAR 10
 SWELL DIRECTION 18 H 02 T 08 CLOUD 3 AMT 7 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	19.72	34.470	24.45	5.06	0.452	0.000	100	0.63	0.93	7.55	0.17	
25	17.01	34.710	25.31	3.46	0.309	0.165	65	1.27	10.77	15.04	0.15	
50	13.85	34.959	26.21	2.48	0.221	0.272	44	1.69	14.60	21.08	0.31	
75	13.48	34.949	26.27	2.40	0.214	0.293	42	1.79	17.24	22.45	0.22	
100	13.29	34.945	26.31	2.35	0.210	0.300	41	1.81	17.50	22.88	0.05	
125	13.14	34.937	26.33	2.24	0.200	0.311	39	1.86	18.13	23.72	0.02	
150	13.00	34.931	26.36	2.11	0.188	0.324	37	1.89	18.58	24.30	0.02	
200	12.84	34.919	26.38	1.84	0.164	0.350	32	2.02	20.10	26.11	0.00	
249	12.74	34.915	26.40	1.24	0.111	0.405	21	2.22	22.05	28.93	0.00	
299	11.71	34.851	26.55	0.26	0.023	0.504	4	2.66	29.31	34.62	0.00	
399	8.79	34.675	26.92	0.68	0.061	0.502	11	2.88	39.57	38.52	0.00	
499	8.27	34.647	26.98	0.71	0.063	0.507	11	2.93	42.83	39.54	0.03	
599	7.15	34.595	27.10	1.19	0.106	0.479	18	2.96	47.98	39.94	0.00	
1646	2.71	34.625	27.63	2.15	0.192	0.462	29	3.07	131.94	40.32	0.00	
2635	1.79	34.673	27.75	2.96	0.264	0.406	39	2.80	149.63	38.21	0.00	
2882	1.78	34.677	27.75	3.04	0.272	0.399	41	2.80	148.39	37.90	0.00	
3080	1.76	34.676	27.75	3.07	0.274	0.396	41	2.79	148.37	36.71	0.00	
3179	1.78	34.676	27.75	3.06	0.273	0.397	41	2.77	148.94	36.71	0.00	
3278	1.80	34.677	27.75	3.06	0.273	0.396	41	2.77	148.91	36.72	0.00	
3327	1.79	34.677	27.75	3.08	0.275	0.395	41	2.77	148.88	36.72	0.00	

OBSERVED VALUES

W 5 91 02 00.0 S 093 00.0 W DATE 02 DEC 71 1817 GCT WIRE 03
 DRY 71.9 WET 69.1 CRUISE YALOC71 WIND DIRECTION 16 VEL 08 KTS BAR 14
 SWELL DIRECTION 19 H 03 T 07 CLOUD 8 AMT 1 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SIO4 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.05	34.109	23.82	5.06	0.452	-0.009	102	0.58	2.24	6.28	0.14	
25	16.16	34.742	25.53	3.28	0.293	0.189	61	1.37	10.49	15.68	0.17	
50	13.85	34.960	26.21	2.25	0.201	0.303	40	1.81	17.86	22.25	0.29	0.307
75	13.59	34.976	26.27	2.09	0.187	0.320	37	1.85	18.67	23.41	0.11	
100	13.41	34.967	26.30	2.42	0.216	0.292	43	1.68	17.98	22.09	0.05	0.108
125	13.26	34.953	26.32	2.40	0.214	0.295	42	1.71	18.61	22.60	0.04	0.138
150	13.09	34.933	26.34	2.38	0.213	0.299	42	1.77	19.14	22.80	0.02	0.059
200	12.85	34.924	26.38	1.85	0.165	0.349	32	1.97	21.42	25.53	0.01	
250	12.52	34.905	26.43	0.58	0.052	0.465	10	2.44	26.25	31.57	0.01	0.043
300	11.34	34.831	26.60	0.24	0.021	0.510	4	2.73	33.39	34.04	0.00	
400	9.00	34.690	26.90	0.71	0.063	0.497	11	2.87	40.82	37.15	0.00	
500	8.14	34.642	26.99	0.98	0.088	0.484	15	2.90	44.22	37.77	0.00	
600	7.47	34.607	27.06	1.13	0.101	0.480	17	2.90	49.24	38.42	0.00	

OBSERVED VALUES

W 5 92 02 30.0 S 093 00.0 W DATE 02 DEC 71 2207 GCT WIRE 09
 DRY 73.8 WET 78.1 CRUISE YALOC71 WIND DIRECTION 16 VEL 08 KTS BAR 11
 SWELL DIRECTION 19 H 02 T 08 CLOUD AMT 0 WEATHER 02

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.27	33.999	23.68	5.15	0.460	-0.019	104	0.54	1.40	5.20	0.13	
25	18.40	34.528	24.83	4.19	0.374	0.088	81	1.07	4.27	10.55	0.17	
50	14.05	34.963	26.17	2.33	0.208	0.293	41	1.83	16.86	21.22	0.22	0.307
75	13.65	34.968	26.25	2.32	0.207	0.298	41	1.88	18.28	22.00	0.17	
100	13.53	34.961	26.27	2.40	0.214	0.293	42	1.88	18.50	22.04	0.13	0.238
125	13.42	34.953	26.29	2.38	0.213	0.296	42	1.70	18.82	22.10	0.08	0.139
150	13.29	34.946	26.31	2.42	0.216	0.293	42	1.72	19.14	22.21	0.06	0.114
200	13.03	34.938	26.36	1.87	0.167	0.345	33	1.92	21.11	24.85	0.02	
250	12.66	34.912	26.41	0.87	0.078	0.439	15	2.28	25.48	29.97	0.03	0.052
300	12.11	34.879	26.49	0.26	0.023	0.499	4	2.57	29.94	33.12	0.01	
400	9.80	34.740	26.80	0.24	0.021	0.529	4	2.87	40.64	36.54	0.01	
500	8.33	34.615	26.94	0.85	0.076	0.494	13	2.87	44.57	37.74	0.01	
600	7.47	34.611	27.07	0.97	0.087	0.495	15	3.01	52.15	39.08	0.00	

OBSERVED VALUES

W 5 93 03 00.0 S 092 59.8 W DATE 03 DEC 71 0313 GCT WIRE 07
 DRY 71.2 WET 68.5 CRUISE YALOC71 WIND DIRECTION 15 VEL 09 KTS BAR 14
 SWELL DIRECTION 18 H 02 T 07 CLOUD 5 AYT 5 WEATHER 02

DEPTH	TEMP DEG.C	SAL G/100	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	21.26	34.996	23.76	4.98	0.445	-0.004	101	0.57	2.73	6.17	0.11	
25	16.26	34.899	25.63	3.12	0.279	0.202	58	1.37	11.92	17.42	0.28	
50	14.26	34.997	26.15					1.67	15.28	21.47	0.34	0.514
75	13.94	34.961	26.19	2.42	0.216	0.287	43	1.70	15.96	21.36	0.61	
100	13.87	34.964	26.20	2.46	0.220	0.284	44	1.67	15.91	21.67	0.59	0.642
125	13.68	34.966	26.25	2.39	0.213	0.292	42	1.73	16.41	22.45	0.31	0.640
150	13.43	34.961	26.29	2.25	0.201	0.307	40	1.77	17.10	23.28	0.07	0.678
200	13.10	34.941	26.35	1.77	0.158	0.353	31	1.95	19.39	26.34	0.01	
250	12.40	34.900	26.45	0.60	0.054	0.466	10	2.42	24.48	31.29	0.01	0.435
300	11.56	34.848	26.57	0.22	0.020	0.509	4	2.71	28.77	34.08	0.00	
400	9.71	34.736	26.81	0.16	0.014	0.537	3	2.98	37.55	37.15	0.00	
500	8.16	34.649	26.99	0.39	0.035	0.537	6	3.14	44.13	41.65	0.00	
600	7.06	34.596	27.11	0.68	0.061	0.526	10	3.19	49.62	42.88	0.00	

OBSERVED VALUES

W 5 94 01 29.9 S 091 08.1 W DATE 03 DEC 71 2055 GCT WIRE 10
 DRY WET CRUISE YALOC71 WIND DIRECTION VEL KTS BAR 10
 SWELL DIRECTION H T CLOUD 8 AMT 2 WEATHER 01

DEPTH	TEMP DEG.C	SAL 0/00	SIGMAT	O2 ML/L	O2 MGAT/L	AOU MGAT/L	O/O O2 SATN	PO4 UGAT/L	SI04 UGAT/L	NO3 UGAT/L	NO2 UGAT/L	RETS
0	22.33	33.701	23.16	4.84	0.432	0.002	100	0.55	3.15	5.12	0.08	
25	16.24	34.726	25.50	3.24	0.289	0.192	60	1.41	11.82	16.06	0.21	
50	14.13	34.978	26.16	2.40	0.214	0.286	43	1.80	15.76	21.14	0.42	
74	13.63	34.938	26.23	2.33	0.208	0.298	41	1.85	17.02	21.98	0.36	
99	13.45	34.955	26.28	2.25	0.201	0.307	40	1.90	17.56	22.75	0.26	
124	13.43	34.953	26.29	2.21	0.197	0.311	39	1.93	17.91	22.57	0.18	
149	13.36	34.953	26.30	2.10	0.188	0.321	37	1.94		23.09	0.09	
199	13.11	34.945	26.35	1.55	0.138	0.373	27	2.17	20.73	26.88	0.01	
248	12.64	34.914	26.42	0.58	0.052	0.465	10	2.38	24.73	31.37	0.01	
298	11.79	34.856	26.54	0.31	0.028	0.494	5	2.61	29.30	33.41	0.00	
397	9.45	34.713	26.84	0.43	0.038	0.516	7	2.86	38.35	37.16	0.00	
496	7.85	34.631	27.03	0.74	0.066	0.510	11	3.03	47.46	39.59	0.00	
594	7.19	34.599	27.10	1.03	0.092	0.493	16	3.05	51.28	40.28	0.00	

RESPIRATORY ELECTRON TRANSPORT
SYSTEM DATA

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
11	10	5.098
11	50	0.442
11	100	0.008

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
13	10	2.170
13	100	0.203
13	200	0.202
13	400	0.008
13	600	0.109
13	800	0.066
13	900	0.017
13	1500	0.001
13	2000	0.012
13	3000	0.008

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
14	10	0.605
14	100	0.103
14	200	0.040
14	400	0.002
14	600	0.020
14	800	0.022
14	1000	0.011
14	1500	0.009
14	2000	0.001
14	2300	0.008
14	2500	0.000

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
15	10	1.440
15	200	0.067
15	400	0.030
15	600	0.001
15	800	0.012
15	1000	0.021
15	1500	0.000
15	2000	0.013
15	2400	0.011
15	2700	0.007
15	3000	0.003

RESPIRATORY ELECTRON TRANSPORT
SYSTEM DATA

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
24	0	6.617
24	0	0.476
24	0	0.132

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
28	0	2.455
28	0	0.148
28	0	0.047

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
32	10	1.219
32	100	0.113
32	300	0.302
32	500	0.007
32	700	0.036
32	1000	0.025

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
38	10	1.369
38	100	0.084
38	200	0.229
38	400	0.059
38	700	0.003
38	1000	0.004
38	1500	0.026
38	2000	0.005
38	2500	0.010

RESPIRATORY ELECTRON TRANSPORT
SYSTEM DATA

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
50	10	0.380
50	100	0.087
50	300	0.027
50	500	0.033
50	700	0.009
50	1500	0.007

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
55	100	0.095
55	300	0.075
55	500	0.026
55	700	0.009
55	1000	0.014
55	1500	0.000
55	2500	0.003
55	3000	0.024

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
56	10	1.669
56	50	0.318
56	500	0.013
56	700	0.004
56	1000	0.012
56	1500	0.029
56	2000	0.000
56	2500	0.027
56	3000	0.001
56	3500	0.000
56	4000	0.005

CRUISE YALOC71 - LEG 4

STATION	DEPTH	RESP. ETS UGAT/L/DAY
58	10	2.020
58	25	1.693
58	50	0.505
58	100	0.072
58	200	0.043
58	300	0.001
58	400	0.000
58	500	0.010
58	600	0.018
58	700	0.001

LIGHT SCATTERING DATA

Light scattering measurements were made aboard ship on the water samples obtained by means of the hydrographic casts. A Brice-Phoenix light scattering photometer was used to determine scattering at 45° , 90° and 135° from the forward direction at three wavelengths: 436nm, 546 nm, and 578 nm. The use of this instrument has been discussed by Pak (1970) and Spilhaus (1965). The headings in the data tables are as follows:

STA NO	The number of the leg and station.
BOT NO	The number of the hydrographic bottle from which the sample was drawn. A table for determining the depth at which the bottle was tripped may be found on page 363.
LAMBDA	A number which designates the wave length as follows: 1 = 436 nm (blue), 2 = 546 nm (green), 3 = 578 nm (yellow).
WATER + PARTICLES	Refers to the light scattered by both the sea water and the particulate matter suspended in the water.
PARTICLES	These scattering values have been reduced by the amount of light scattered by pure water.
B(45), B(90), B(135)	The volume scattering function at 45° , 90° , and 135° from the forward direction.
43/135, 45/90	The ratios of scattered light at these angles.

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4- 1 1	1	1	.00144620	.0024943	.0041079	3.52	5.80	.00141300	.0022730	.0037759	3.74	6.22
4- 1 1	2	2	.00110861	.0016749	.0029819	3.72	6.62	.00110511	.0015849	.0028469	3.88	6.97
4- 1 1	3	3	.00112573	.0018595	.0033924	3.32	6.05	.00111498	.0017876	.0033844	3.29	6.24
4- 1 2	1	1	.00118827	.0019724	.0031021	3.83	6.02	.00115507	.0017511	.0027701	4.17	6.60
4- 1 2	2	2	.00095694	.0012789	.0017341	5.52	7.48	.00095344	.0011889	.0015991	5.96	8.02
4- 1 2	3	3	.00083188	.0011530	.0015960	5.21	7.22	.00082108	.0010810	.0015880	5.17	7.60
4- 1 3	1	1	.00046745	.0011530	.0021151	2.21	4.04	.00043425	.0009367	.0017831	2.44	4.64
4- 1 3	2	2	.0037618	.0006308	.0011769	3.20	6.26	.0037268	.0005108	.0010419	3.58	7.30
4- 1 3	3	3	.0036767	.0006233	.0009925	3.70	5.89	.0035687	.0005519	.0009845	3.62	6.47
4- 1 4	1	1	.0054584	.0013212	.0027593	1.98	4.14	.0051364	.0010999	.0024273	2.12	4.67
4- 1 4	2	2	.00042753	.0003295	.0017784	2.40	5.15	.00042403	.0007395	.0016434	2.58	5.73
4- 1 4	3	3	.0050445	.0010514	.0016639	3.03	4.80	.0049365	.0009794	.0016559	2.98	5.04
4- 1 5	1	1	.0031534	.0018130	.0031108	2.62	4.50	.0078214	.0015917	.0027788	2.81	4.91
4- 1 5	2	2	.0053917	.0008856	.0015471	3.49	6.09	.0053567	.0007956	.0014121	3.79	6.73
4- 1 5	3	3	.0053256	.0009401	.0013898	3.33	5.66	.0052176	.0008681	.0013818	3.78	6.01
4- 1 6	1	1	.0043940	.0013221	.0024437	1.80	3.30	.0040620	.0011108	.0021117	1.92	3.66
4- 1 6	2	2	.0036792	.0007071	.0013231	2.78	5.20	.0036442	.0006171	.0011881	3.07	5.91
4- 1 6	3	3	.0049985	.0008352	.0011854	3.46	4.89	.0039905	.0007662	.0011774	3.39	5.21
4- 1 7	1	1	.0036284	.0011053	.0020037	1.81	3.28	.0032964	.0008840	.0016717	1.97	3.73
4- 1 7	2	2	.0023281	.0005091	.0010345	2.73	5.56	.0027931	.0004191	.0008995	3.11	6.66
4- 1 7	3	3	.0026255	.0004828	.0009099	2.89	5.44	.0025175	.0004109	.0009019	2.79	6.13
4- 1 8	1	1	.0034755	.0010137	.0020991	1.66	3.43	.0031435	.0007924	.0017671	1.78	3.97
4- 1 8	2	2	.0014907	.0005050	.0012319	1.21	2.95	.0014557	.0004150	.0010969	1.33	3.51
4- 1 8	3	3	.0032500	.0005507	.0010625	3.05	5.90	.0031420	.0004787	.0010540	2.98	6.56
4- 1 9	1	1	.0050959	.0013327	.0023773	2.14	3.81	.0047639	.0011174	.0020453	2.33	4.26
4- 1 9	2	2	.0046703	.0009195	.0014664	3.19	5.08	.0046358	.0008296	.0013314	3.48	5.59
4- 1 9	3	3	.0045245	.0008255	.0012436	3.72	5.60	.0045166	.0007535	.0012356	3.66	5.99
4- 1 10	1	1	.0043035	.0011864	.0020137	2.14	3.63	.0039715	.0009651	.0016817	2.36	4.12
4- 1 10	2	2	.0035604	.0005778	.0010311	3.45	6.16	.0035254	.0004878	.0008961	3.93	7.23
4- 1 10	3	3	.0029722	.0007240	.0010551	2.82	4.11	.0028642	.0006520	.0010471	2.74	4.39
4- 1 11	1	1	.0047918	.0013624	.0022754	2.11	3.52	.0044598	.0011411	.0019434	2.29	3.91
4- 1 11	2	2	.0038794	.0007192	.0012064	3.22	5.39	.0038444	.0006292	.0010714	3.59	6.11
4- 1 11	3	3	.0038913	.0006704	.0011226	3.47	5.81	.0037938	.0005984	.0011146	3.39	6.32
4- 1 12	1	1	.0060913	.0013397	.0023257	2.50	4.52	.0057198	.0011184	.0019937	2.87	5.11
4- 1 12	2	2	.0040649	.0005842	.0012291	3.31	5.94	.0040299	.0005942	.0010941	3.68	6.78
4- 1 12	3	3	.0041950	.0007416	.0011840	3.54	5.66	.0040870	.0006696	.0011760	3.48	6.10
4- 1 13	1	1	.0043996	.0011294	.0022283	1.97	3.90	.0040676	.0009081	.0018963	2.14	4.48
4- 1 13	2	2	.0036577	.0007034	.0013689	2.57	5.20	.0036227	.0006134	.0012339	2.94	5.91
4- 1 13	3	3	.0031959	.0006352	.0012465	2.56	5.03	.0030879	.0005632	.0012385	2.49	5.48
4- 1 14	1	1	.0039244	.0010553	.0018834	2.08	3.72	.0035924	.0008345	.0015514	2.32	4.30
4- 1 14	2	2	.0029319	.0005177	.0010979	2.67	5.66	.0028969	.0004277	.0009629	3.01	6.77
4- 1 14	3	3	.0027161	.0005678	.0010248	2.65	4.78	.0026081	.0004958	.0010168	2.56	5.26
4- 1 15	1	1	.0039864	.0011802	.0020790	1.92	3.38	.0036544	.0009589	.0017470	2.09	3.81
4- 1 15	2	2	.0031990	.0005553	.0011552	2.68	5.98	.0030640	.0004653	.0010202	3.00	6.59
4- 1 15	3	3	.0031547	.0004420	.0008997	3.51	6.54	.0030467	.0004106	.0008917	3.42	7.42
4- 1 16	1	1	.0050602	.0014095	.0020396	2.48	3.61	.0047282	.0011792	.0017076	2.77	4.01
4- 1 16	2	2	.0040130	.0007192	.0011678	3.44	5.98	.0039780	.0006292	.0010328	3.85	6.32
4- 1 16	3	3	.0042286	.0007034	.0011843	3.57	4.65	.0041206	.0008364	.0011763	3.50	4.93
4- 1 17	1	1	.0038614	.0011058	.0021066	1.83	3.49	.0035294	.0008845	.0017740	1.99	3.99
4- 1 17	2	2	.0024209	.0005438	.0013288	1.82	4.45	.0023859	.0004538	.0011938	2.00	5.26

STA NO	BOT NO	LAMDA	WATER + PARTICLES						PARTICLES			
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4- 1 17	3		.0028383	.0004670	.0009836	2.89	6.08	.0027303	.0003950	.0009758	2.80	6.91
4- 1 18	1		.0061077	.0015057	.0022101	2.76	4.06	.0057757	.0012844	.0018781	3.08	4.50
4- 1 18	2		.0037735	.0007451	.0012394	3.04	5.06	.0037385	.0006551	.0011044	3.39	5.71
4- 1 18	3		.0038007	.0007665	.0010270	3.70	4.96	.0036927	.0006945	.0010190	3.62	5.32
4- 1 19	1		.0039872	.0010602	.0020436	1.95	3.76	.0036552	.0008789	.0017116	2.14	4.36
4- 1 19	2		.0031221	.0005042	.0009764	3.20	6.19	.0030871	.0004142	.0008414	3.67	7.45
4- 1 19	3		.0027969	.0005136	.0008645	3.24	5.45	.0026889	.0004416	.0008565	3.14	6.09
4- 1 20	1		.0036631	.0011055	.0018614	1.97	3.31	.0033311	.0008845	.0015294	2.18	3.77
4- 1 20	2		.0026597	.0005268	.0010078	2.54	5.05	.0026247	.0004368	.0008728	3.01	6.01
4- 1 20	3		.0024025	.0004708	.0008187	2.93	5.10	.0022945	.0003988	.0008107	2.93	5.75
4- 2 1	1		.0117414	.0020676	.0028032	4.19	5.68	.0114094	.0018463	.0024712	4.62	6.18
4- 2 1	2		.0194932	.0013057	.0017393	6.07	8.04	.0104582	.0012157	.0016043	6.52	8.60
4- 2 1	3		.0094118	.0012512	.0016415	5.73	7.52	.0093038	.0011792	.0016335	5.70	7.89
4- 2 2	1		.0151485	.0026055	.0037541	4.04	5.81	.0148165	.0023842	.0034221	4.33	6.21
4- 2 2	2		.0135275	.0020043	.0025101	5.37	6.75	.0134925	.0019143	.0023841	5.66	7.05
4- 2 2	3		.0133269	.0018693	.0026361	5.06	7.13	.0132189	.0017973	.0026281	5.03	7.36
4- 2 3	1		.0080359	.0016120	.0022199	3.62	4.98	.0077039	.0013907	.0018878	4.08	5.54
4- 2 3	2		.0068358	.0010373	.0014137	4.34	6.59	.0068008	.0009473	.0012727	5.32	7.18
4- 2 3	3		.0067300	.0010101	.0012023	5.60	6.66	.0066220	.0009381	.0011942	5.54	7.06
4- 2 4	1		.0053113	.0013895	.0021948	2.42	3.82	.0049793	.0011682	.0018628	2.67	4.26
4- 2 4	2		.0041036	.0007474	.0008931	4.59	5.49	.0040686	.0006574	.0007581	5.37	6.19
4- 2 4	3		.0041192	.0006666	.0010659	3.86	6.18	.0040612	.0005946	.0010578	3.79	6.75
4- 2 5	1		.0121539	.0022296	.0026767	4.54	5.45	.0118219	.0020083	.0023447	5.04	5.89
4- 2 5	2		.0103456	.0016910	.0017605	5.88	6.12	.0103106	.0016010	.0016255	6.34	6.44
4- 2 5	3		.0106846	.0015553	.0015975	6.69	6.87	.0105766	.0014833	.0015895	6.65	7.13
4- 2 6	1		.0068126	.0015255	.0024014	2.84	4.47	.0064806	.0013042	.0020694	3.13	4.97
4- 2 6	2		.0052544	.0008328	.0013335	3.94	6.31	.0052194	.0007428	.0011985	4.36	7.03
4- 2 6	3		.0053746	.0007889	.0013460	3.99	6.81	.0052666	.0007169	.0013380	3.94	7.35
4- 2 7	1		.0045624	.0012517	.0021282	2.14	3.65	.0042304	.0010364	.0017962	2.36	4.11
4- 2 7	2		.0034991	.0006342	.0011214	3.12	5.52	.0034641	.0005442	.0009864	3.51	6.27
4- 2 7	3		.0035628	.0005915	.0009527	3.74	6.02	.0034548	.0005195	.0009447	3.66	6.65
4- 2 8	1		.0052757	.0013492	.0021856	2.41	3.91	.0049437	.0011279	.0018536	2.67	4.38
4- 2 8	2		.0045864	.0008148	.0012125	3.78	5.63	.0045514	.0007248	.0010775	4.22	6.28
4- 2 8	3		.0043933	.0007229	.0011220	3.92	6.08	.0042853	.0006509	.0011140	3.85	6.58
4- 2 9	1		.0049941	.0013299	.0020221	2.47	3.76	.0046621	.0011086	.0016901	2.76	4.21
4- 2 9	2		.0039451	.0007934	.0012185	3.24	5.04	.0039101	.0006934	.0010835	3.61	5.64
4- 2 9	3		.0041173	.0007776	.0011169	3.69	5.29	.0040093	.0007056	.0011089	3.62	5.68
4- 2 10	1		.0038830	.0011910	.0022490	1.73	3.26	.0039510	.0009697	.0019170	1.85	3.66
4- 2 10	2		.0024646	.0005556	.0012366	1.99	4.44	.0024296	.0004656	.0011016	2.21	5.22
4- 2 10	3		.0028036	.0004908	.0010131	2.77	6.22	.0026956	.0003788	.0010051	2.68	7.12
4- 2 11	1		.0036533	.0012335	.0020999	1.74	2.95	.0033213	.0010122	.0017675	1.98	3.28
4- 2 11	2		.0027923	.0004885	.0016138	2.75	5.72	.0027578	.0003985	.0004758	3.14	6.92
4- 2 11	3		.0029165	.0004950	.0010191	2.86	6.41	.0028085	.0003830	.0010111	2.78	7.33
4- 2 12	1		.0036991	.0011513	.0021954	1.68	3.21	.0033671	.0009300	.0018634	1.81	3.62
4- 2 12	2		.0024923	.0004976	.0012170	2.04	5.42	.0024473	.0003676	.0010820	2.26	6.66
4- 2 12	3		.0026966	.0004154	.0010119	2.58	6.28	.0024986	.0003434	.0010039	2.49	7.28
4- 2 13	1		.0032379	.0010794	.0019390	1.67	3.00	.0029059	.0008581	.0016070	1.81	3.29
4- 2 13	2		.0023185	.0004676	.0009961	2.34	5.07	.0022835	.0003676	.0008551	2.67	6.21
4- 2 13	3		.0023457	.0004194	.0009160	2.56	5.65	.0022377	.0003434	.0009081	2.46	6.52
4- 2 14	1		.0039661	.0011513	.0018517	2.14	3.44	.0036281	.0009300	.0015197	2.39	3.90

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			R(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4- 2 14	2		.0027923	.0009557	.0009003	3.10	5.00	.0027573	.0004687	.0007653	3.60	5.88
4- 2 14	3		.0025146	.0004937	.0008477	2.97	5.09	.0024066	.0004217	.0008397	2.87	5.71
4- 2 15	1		.0040749	.0011867	.0020966	1.94	3.43	.0037429	.0009654	.0017646	2.12	3.88
4- 2 15	2		.0029854	.0005940	.0010100	2.86	4.86	.0028508	.0005040	.0008750	3.26	5.66
4- 2 15	3		.0030297	.0006075	.0009062	3.34	4.99	.0029217	.0005355	.0008982	3.25	5.46
4- 2 16	1		.0051738	.0014962	.0022170	2.33	3.46	.0048418	.0012749	.0018850	2.57	3.80
4- 2 16	2		.0043396	.0007583	.0013294	3.26	5.72	.0043046	.0006683	.0011944	3.60	6.44
4- 2 16	3		.0042544	.0005982	.0011183	3.80	7.11	.0041464	.0005262	.0011103	3.73	7.88
4- 2 17	1		.0062404	.0014322	.0022957	2.72	4.36	.0059084	.0012109	.0019637	3.01	4.88
4- 2 17	2		.0048295	.0008771	.0014484	3.33	5.51	.0047946	.0007871	.0013134	3.65	6.09
4- 2 17	3		.0046535	.0008125	.0012423	3.75	5.73	.0045456	.0007405	.0012343	3.68	6.14
4- 2 18	1		.0045198	.0012493	.0019840	2.28	3.62	.0041878	.0010280	.0016520	2.53	4.07
4- 2 18	2		.0032824	.0007355	.0011176	2.94	4.46	.0032474	.0006455	.0009826	3.30	5.03
4- 2 18	3		.0035158	.0005803	.0008420	4.18	6.06	.0034078	.0005083	.0008340	4.09	6.70
4- 2 19	1		.0084921	.0017137	.0026167	3.25	4.94	.0081601	.0014974	.0022847	3.57	5.45
4- 2 19	2		.0066423	.0010938	.0017294	3.84	6.13	.0066073	.0009938	.0015944	4.14	6.65
4- 2 19	3		.0064270	.0009426	.0014665	4.38	6.82	.0063190	.0008706	.0014585	4.33	7.26
4- 2 20	1		.0098855	.0019049	.0025237	3.92	4.96	.0095535	.0017736	.0021917	4.36	5.39
4- 2 20	2		.0079511	.0014763	.0014913	5.33	5.39	.0079161	.0013863	.0013563	5.84	5.71
4- 2 20	3		.0086009	.0012586	.0013336	6.45	6.84	.0084929	.0011860	.0013256	6.41	7.16
4- 3 2	1		.0084286	.0017200	.0025814	3.27	4.90	.0080966	.0014987	.0022494	3.60	5.40
4- 3 2	2		.0067236	.0009860	.0015787	4.26	6.82	.0066886	.0008960	.0014437	4.63	7.47
4- 3 3	3		.0065372	.0008691	.0013131	4.98	7.52	.0064292	.0007971	.0013051	4.93	8.07
4- 3 4	1		.0118814	.0029999	.0031346	3.79	5.66	.0115494	.0018786	.0028026	4.12	6.15
4- 3 4	2		.0101676	.0014825	.0019604	5.19	6.86	.0101326	.0013925	.0018254	5.55	7.28
4- 3 4	3		.0089443	.0011370	.0015458	5.79	7.87	.0088363	.0010650	.0015378	5.75	8.30
4- 3 5	1		.0079964	.0015010	.0027319	2.93	5.33	.0076644	.0012797	.0023999	3.19	5.99
4- 3 5	2		.0056431	.0009499	.0018401	3.07	5.94	.0056081	.0008599	.0017051	3.29	6.52
4- 3 5	3		.0056527	.0009300	.0013601	4.16	6.08	.0055447	.0008580	.0013521	4.10	6.46
4- 3 6	1		.0073460	.0014465	.0024808	2.96	5.08	.0070140	.0012252	.0021488	3.26	5.72
4- 3 6	2		.0057688	.0008442	.0014695	3.93	6.83	.0057338	.0007542	.0013345	4.30	7.60
4- 3 6	3		.0059990	.0008225	.0012140	4.94	7.29	.0058910	.0007505	.0012060	4.88	7.85
4- 3 7	1		.0064341	.0013773	.0026851	2.40	4.67	.0061021	.0011560	.0023531	2.59	5.28
4- 3 7	2		.0041072	.0007954	.0016447	2.50	5.16	.0040722	.0007064	.0015097	2.70	5.76
4- 3 7	3		.0048133	.0010270	.0013106	3.67	1.59	.0047053	.0029550	.0013026	3.61	1.59
4- 3 8	1		.0048208	.0011909	.0023833	2.02	4.05	.0044888	.0009696	.0020513	2.19	4.63
4- 3 8	2		.0030058	.0005591	.0013101	2.29	5.46	.0029708	.0004601	.0011751	2.53	6.46
4- 3 8	3		.0029996	.0005244	.0011063	2.71	5.72	.0028916	.0004524	.0010983	2.63	6.39
4- 3 9	1		.0060813	.0015600	.0026063	2.33	3.90	.0057493	.0013387	.0022743	2.53	4.29
4- 3 9	2		.0042832	.0007873	.0016775	2.55	5.44	.0042482	.0006973	.0015425	2.75	6.09
4- 3 9	3		.0038447	.0007202	.0015565	2.47	5.34	.0037367	.0006482	.0015485	2.41	5.77
4- 3 10	1		.0049013	.0013672	.0026303	1.86	3.53	.0045693	.0011659	.0022983	1.99	3.92
4- 3 10	2		.0036413	.0007101	.0014954	2.43	5.13	.0036063	.0006201	.0013604	2.65	5.82
4- 3 10	3		.0038291	.0006258	.0012549	3.05	6.12	.0037211	.0005538	.0012469	2.98	6.72
4- 3 11	1		.0052953	.0013968	.0024040	2.20	3.79	.0049633	.0011755	.0020720	2.40	4.22
4- 3 11	2		.0032671	.0005318	.0012135	2.69	6.14	.0032321	.0004418	.0010785	3.00	7.32
4- 3 11	3		.0031689	.0007347	.0010524	3.01	4.37	.0030609	.0006527	.0010444	2.93	4.69
4- 3 12	1		.0047210	.0012549	.0022438	2.10	3.76	.0043890	.0010336	.0019118	2.30	4.25
4- 3 12	2		.0038291	.0005236	.0012317	3.11	6.14	.0037941	.0005336	.0010967	3.46	7.11
4- 3 12	3		.0036934	.0006076	.0010119	3.65	6.08	.0035854	.0005356	.0010039	3.57	6.69

STA NO	BOT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4- 3 13	1		.0053768	.0013477	.0024722	2.17	3.99	.0050448	.0011264	.0021402	2.36	4.48
4- 3 13	2		.0044303	.0007644	.0013892	3.19	5.80	.0043953	.0006744	.0012542	3.50	6.52
4- 3 13	3		.0049900	.0006866	.0011549	4.32	7.27	.0048820	.0006146	.0011469	4.26	7.94
4- 3 14	1		.0043239	.0011798	.0021154	2.04	3.67	.0039919	.0009585	.0017834	2.24	4.16
4- 3 14	2		.0035786	.0006472	.0011261	3.18	5.53	.0035436	.0005572	.0009911	3.58	6.36
4- 3 14	3		.0033351	.0005755	.0009646	3.46	5.79	.0032271	.0005035	.0009566	3.37	6.41
4- 3 15	1		.0052687	.0013962	.0023030	2.29	3.77	.0049367	.0011749	.0019710	2.50	4.20
4- 3 15	2		.0038050	.0006380	.0011836	3.21	5.96	.0037700	.0005480	.0010486	3.60	6.83
4- 3 15	3		.0036583	.0005755	.0010338	3.54	6.36	.0035503	.0005935	.0010258	3.46	7.05
4- 3 16	1		.0061793	.0015327	.0027200	2.27	4.03	.0058473	.0013114	.0023880	2.45	4.46
4- 3 16	2		.0048673	.0008137	.0014247	3.42	5.98	.0048328	.0007237	.0012897	3.75	6.68
4- 3 16	3		.0029980	.0007202	.0012103	2.48	4.16	.0028900	.0006482	.0012023	2.40	4.46
4- 3 17	1		.0045508	.0012350	.0022919	1.93	3.68	.0042188	.0010137	.0019599	2.15	4.16
4- 3 17	2		.0031209	.0005943	.0012203	2.56	5.25	.0030859	.0005043	.0010853	2.84	6.12
4- 3 17	3		.0031156	.0004986	.0009553	3.26	6.25	.0030076	.0004266	.0009473	3.17	7.05
4- 3 18	1		.0036927	.0012170	.0021663	1.70	3.03	.0033607	.0009357	.0018343	1.83	3.38
4- 3 18	2		.0025745	.0005133	.0011140	2.31	5.02	.0025395	.0004233	.0009790	2.59	6.00
4- 3 18	3		.0022279	.0003430	.0019559	1.14	5.74	.0021199	.0003160	.0019479	1.09	6.71
4- 3 19	1		.0042442	.0012170	.0021454	1.98	3.49	.0039122	.0009957	.0018134	2.16	3.93
4- 3 19	2		.0034466	.0005938	.0010992	3.14	5.76	.0034116	.0005089	.0009642	3.54	6.71
4- 3 19	3		.0028757	.0005021	.0009721	2.36	5.73	.0027677	.0004301	.0009641	2.87	6.43
4- 3 20	1		.0045583	.0014597	.0022656	2.01	3.12	.0042263	.0012384	.0019338	2.19	3.41
4- 3 20	2		.0027919	.0005210	.0011240	2.48	5.36	.0027569	.0004310	.0009890	2.79	6.40
4- 3 20	3		.0028388	.0004951	.0008724	3.25	5.73	.0027308	.0004231	.0008644	3.16	6.45
4- 4 1	1		.0094583	.0012393	.0027738	3.41	7.28	.0091263	.0010780	.0024418	3.74	8.47
4- 4 1	2		.0071324	.0009517	.0016015	4.45	7.49	.0070974	.0008617	.0019669	4.84	8.24
4- 4 1	3		.0069946	.0010153	.0014179	4.93	6.89	.0068866	.0009433	.0014099	4.88	7.30
4- 4 2	1		.0094832	.0018175	.0028640	3.31	5.22	.0091512	.0015962	.0025320	3.61	5.73
4- 4 2	2		.0078671	.0011097	.0016162	4.87	7.09	.0078321	.0010197	.0014812	5.29	7.68
4- 4 2	3		.0075161	.0009761	.0014124	5.32	7.70	.0074081	.0009041	.0014044	5.27	8.19
4- 4 3	1		.0081219	.0015773	.0024875	3.27	5.15	.0077899	.0013560	.0021555	3.61	5.74
4- 4 3	2		.0078163	.0009656	.0014670	5.26	8.09	.0077810	.0008758	.0013520	5.76	8.88
4- 4 3	3		.0070895	.0010290	.0014372	4.93	6.89	.0069915	.0009570	.0014292	4.89	7.29
4- 4 4	1		.0040067	.0010812	.0020007	2.00	3.71	.0036747	.0008599	.0016687	2.20	4.27
4- 4 4	2		.0030530	.0005259	.0011235	2.72	5.82	.0030180	.0004350	.0009885	3.05	6.94
4- 4 4	3		.0026666	.0004276	.0008789	3.03	6.24	.0025586	.0003556	.0008709	2.94	7.20
4- 4 5	1		.0052430	.0013274	.0022122	2.37	3.95	.0049110	.0011061	.0018802	2.61	4.44
4- 4 5	2		.0041761	.0006616	.0012706	3.27	6.31	.0041411	.0005716	.0011416	3.63	7.24
4- 4 5	3		.0041522	.0005993	.0009786	4.24	6.93	.0040442	.0005273	.0009706	4.17	7.67
4- 4 6	1		.0048284	.0012663	.0022017	2.19	3.81	.0044964	.0010450	.0018697	2.40	4.30
4- 4 6	2		.0037681	.0006425	.0012161	3.10	5.86	.0037331	.0005525	.0010611	3.45	6.76
4- 4 6	3		.0036256	.0005093	.0009591	3.78	7.12	.0035176	.0004373	.0009511	3.70	8.04
4- 4 10	1		.0038425	.0010005	.0020070	1.84	3.56	.0035105	.0008592	.0017550	2.00	4.09
4- 4 10	2		.0025281	.0004834	.0011807	2.14	5.23	.0024931	.0003934	.0010497	2.38	6.34
4- 4 10	3		.0024222	.0004306	.0009533	2.54	5.62	.0023142	.0003586	.0009453	2.45	6.45
4- 4 11	1		.0036572	.0011830	.0022167	1.65	3.09	.0033252	.0009617	.0018847	1.76	3.46
4- 4 11	2		.0028186	.0005173	.0008302	3.40	5.45	.0027836	.0004273	.0006952	4.00	6.51
4- 4 11	3		.0026245	.0004022	.0008766	2.99	5.52	.0025165	.0003302	.0008666	2.90	7.62
4- 4 12	1		.0074925	.0018592	.0027732	2.70	4.02	.0071505	.0016379	.0024412	2.93	4.37
4- 4 12	2		.0079439	.0013539	.0017868	4.45	5.87	.0079149	.0012639	.0016518	4.79	6.26

STA NO	ROT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			R(45)	R(90)	R(135)	45 135	45 90	R(45)	R(90)	R(135)	45 135	45 90
4- 4 12	3		.0070504	.0011906	.0014162	4.98	5.92	.0069424	.0011186	.0014082	4.93	6.21
4- 4 13	1		.0059007	.0014758	.0024586	2.40	4.00	.0055687	.0012555	.0021266	2.62	4.44
4- 4 13	2		.0049039	.0008094	.0013248	3.70	6.06	.0048689	.0007194	.0011898	4.09	6.77
4- 4 13	3		.0047754	.0007368	.0012637	3.78	6.48	.0046674	.0006648	.0012557	3.72	7.02
4- 4 14	1		.0039826	.0011830	.0023363	1.70	3.37	.0036506	.0009617	.0020043	1.82	3.80
4- 4 14	2		.0028826	.0005912	.0012520	2.30	4.88	.0028476	.0005012	.0011170	2.55	5.68
4- 4 14	3		.0026652	.0004943	.0010803	2.47	5.34	.0025572	.0004268	.0010723	2.38	5.99
4- 4 15	1		.0061740	.0015211	.0023806	2.59	4.06	.0058420	.0012998	.0020486	2.85	4.49
4- 4 15	2		.0055169	.0008655	.0014062	3.92	6.37	.0054819	.0007755	.0012712	4.31	7.07
4- 4 15	3		.0051634	.0008426	.0012086	4.27	6.13	.0050554	.0007706	.0012006	4.21	6.56
4- 4 16	1		.0036364	.0011135	.0021956	1.66	3.27	.0033044	.0008923	.0018636	1.77	3.70
4- 4 16	2		.0027204	.0006107	.0012382	2.20	4.45	.0026854	.0005207	.0011032	2.43	5.16
4- 4 16	3		.0023826	.0004240	.0009958	2.39	5.62	.0022746	.0003520	.0009878	2.30	6.46
4- 4 17	1		.0040227	.0012214	.0029605	1.36	3.29	.0036907	.0010001	.0026285	1.40	3.69
4- 4 17	2		.0027598	.0005132	.0017736	1.56	5.38	.0027248	.0004232	.0016386	1.66	6.44
4- 4 17	3		.0028740	.0004387	.0013250	2.17	6.55	.0027660	.0003667	.0013170	2.10	7.54
4- 4 18	1		.0039726	.0012214	.0024855	1.60	3.25	.0036406	.0010001	.0021535	1.69	3.64
4- 4 18	2		.0030387	.0005258	.0013882	2.19	5.78	.0030037	.0004358	.0012532	2.40	6.89
4- 4 18	3		.0027071	.0004306	.0010973	2.47	6.29	.0025991	.0003586	.0010893	2.39	7.25
4- 4 19	1		.0053760	.0014212	.0026583	2.02	3.78	.0050440	.0011999	.0023263	2.17	4.20
4- 4 19	2		.0037472	.0007259	.0015600	2.40	5.16	.0037122	.0006359	.0014250	2.61	5.84
4- 4 19	3		.0035168	.0005487	.0012386	2.84	6.41	.0034088	.0004767	.0012306	2.77	7.15
4- 4 20	1		.0041111	.0012162	.0024277	1.69	3.38	.0037791	.0009949	.0020957	1.80	3.80
4- 4 20	2		.0025869	.0005258	.0013405	1.93	4.92	.0025519	.0004358	.0012055	2.12	5.86
4- 4 20	3		.0024003	.0005320	.0011905	2.35	5.26	.0026923	.0004600	.0011825	2.28	5.85
4- 5 2	1		.0041171	.0015194	.0024669	3.29	5.34	.0077851	.0012981	.0021349	3.65	6.00
4- 5 2	2		.0061463	.0008514	.0013899	4.42	7.22	.0061113	.0007614	.0012549	4.87	8.03
4- 5 2	3		.0055886	.0008997	.0011804	5.58	7.32	.0064806	.0008277	.0011724	5.53	7.83
4- 5 3	1		.0077264	.0015691	.0025725	3.00	4.92	.0073944	.0013478	.0022405	3.30	5.49
4- 5 3	2		.0055989	.0009196	.0014625	3.83	6.09	.0055639	.0008296	.0013275	4.19	6.71
4- 5 3	3		.0062107	.0008011	.0011796	5.26	7.75	.0061027	.0007291	.0011716	5.21	8.37
4- 5 4	1		.0051573	.0012123	.0022428	2.30	4.25	.0048253	.0009910	.0019108	2.53	4.87
4- 5 4	2		.0034752	.0006525	.0012026	3.22	5.94	.0038402	.0005625	.0010676	3.60	6.83
4- 5 4	3		.0039341	.0005753	.0010778	3.65	6.84	.0038261	.0005033	.0010698	3.58	7.60
4- 5 5	1		.0039207	.0011830	.0022397	1.75	3.31	.0035887	.0009617	.0019077	1.88	3.73
4- 5 5	2		.0030111	.0004630	.0011844	2.54	6.43	.0029761	.0003780	.0010494	2.84	7.87
4- 5 5	3		.0030005	.0004047	.0009774	3.07	7.41	.0028925	.0003327	.0009694	2.98	8.70
4- 5 6	1		.0040783	.0011445	.0020058	2.03	3.55	.0037463	.0009282	.0016738	2.24	4.04
4- 5 6	2		.0032649	.0005091	.0010179	3.21	6.41	.0032299	.0004191	.0008829	3.66	7.71
4- 5 6	3		.0030707	.0004134	.0008495	3.61	7.43	.0029627	.0003414	.0008415	3.52	8.68
4- 5 7	1		.0044525	.0013144	.0022428	1.99	3.79	.0041205	.0010931	.0019108	2.16	3.77
4- 5 7	2		.0033274	.0005819	.0012137	2.74	5.72	.0032924	.0004919	.0010787	3.05	6.69
4- 5 7	3		.0029286	.0005513	.0010244	2.86	5.31	.0028206	.0004793	.0010164	2.77	5.88
4- 5 8	1		.0036745	.0010827	.0021209	1.73	3.39	.0033425	.0008614	.0017889	1.87	3.88
4- 5 8	2		.0011499	.0004756	.0011168	1.03	2.42	.0011149	.0003856	.0009818	1.14	2.89
4- 5 8	3		.0027783	.0004256	.0008892	3.12	6.53	.0026703	.0003536	.0008812	3.03	7.55
4- 5 9	1		.0034196	.0012334	.0020950	1.63	2.77	.0030876	.0010121	.0010121	1.75	3.05
4- 5 9	2		.0025811	.0005530	.0010984	2.46	4.80	.0026461	.0004690	.0009554	2.77	5.64
4- 5 9	3		.0032074	.0005590	.0009266	3.46	5.74	.0030994	.0004870	.0009186	3.37	6.36
4- 5 10	1		.0066329	.0013169	.0024426	2.72	5.04	.0063009	.0010956	.0021106	2.99	5.75

STA NO	PCT NO	LAMCA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-5	10	2	.0048082	.0010597	.0015197	3.16	4.54	.0047732	.0009697	.0013847	3.45	4.92
4-5	10	3	.0054827	.0006809	.0012756	4.30	8.05	.0053747	.0006089	.0012678	4.24	8.83
4-5	11	1	.0038021	.0011003	.0021529	1.77	3.46	.0034701	.0008790	.0018209	1.91	3.95
4-5	11	2	.0028335	.0005215	.0011587	2.45	5.43	.0027985	.0004315	.0010237	2.73	6.48
4-5	11	3	.0026255	.0004574	.0009099	2.89	5.74	.0025175	.0003854	.0009019	2.79	6.53
4-5	12	1	.0038678	.0011822	.0020224	1.91	3.27	.0035358	.0009609	.0016904	2.09	3.68
4-5	12	2	.0029618	.0004399	.0010067	2.94	5.92	.0029268	.0004099	.0008717	3.36	7.14
4-5	12	3	.0033187	.0004453	.0006345	5.23	7.45	.0032107	.0003733	.0006269	5.12	8.60
4-5	13	1	.0041874	.0012162	.0022840	1.83	3.44	.0038554	.0009949	.0019520	1.98	3.88
4-5	13	2	.0028086	.0005532	.0011001	2.55	5.08	.0027736	.0004632	.0009651	2.87	5.99
4-5	13	3	.0027082	.0004453	.0008979	3.02	6.08	.0026002	.0003733	.0008899	2.92	6.97
4-5	14	1	.0036064	.0011154	.0018808	1.92	3.23	.0032744	.0008941	.0015488	2.11	3.66
4-5	14	2	.0021312	.0004580	.0009480	2.25	4.65	.0026962	.0003680	.0008130	2.58	5.70
4-5	14	3	.0021453	.0004523	.0007927	2.71	4.74	.0020373	.0003803	.0007847	2.60	5.36
4-5	15	1	.0035195	.0011350	.0018827	1.87	3.10	.0031876	.0009137	.0015507	2.06	3.49
4-5	15	2	.0023414	.0004866	.0010199	2.30	4.87	.0023064	.0003906	.0008849	2.61	5.90
4-5	15	3	.0023832	.0004595	.0008562	2.71	5.19	.0022752	.0003375	.0008722	2.61	5.87
4-5	16	1	.0033214	.0010202	.0018019	1.84	3.26	.0029894	.0007989	.0014699	2.03	3.74
4-5	16	2	.0018875	.0004122	.0005470	1.99	4.58	.0018525	.0003222	.0008120	2.28	5.75
4-5	16	3	.0018422	.0003459	.0007432	2.48	5.33	.0017342	.0002739	.0007352	2.36	6.33
4-5	17	1	.0031070	.0010658	.0015493	1.59	2.92	.0027750	.0008445	.0016173	1.72	3.29
4-5	17	2	.0017598	.0004580	.0010321	1.70	3.84	.0017248	.0003680	.0008971	1.92	4.69
4-5	17	3	.0020409	.0003350	.0007546	2.70	6.09	.0019329	.0002630	.0007466	2.59	7.35
4-5	18	1	.0035144	.0011307	.0020052	1.75	3.11	.0031824	.0009094	.0016732	1.90	3.50
4-5	18	2	.0024473	.0004657	.0009745	2.51	5.26	.0024123	.0003757	.0008395	2.87	6.42
4-5	18	3	.0023096	.0004453	.0008530	2.71	5.19	.0022016	.0003733	.0008450	2.61	5.90
4-5	19	1	.0033398	.0010745	.0019056	1.75	3.11	.0030078	.0008532	.0015736	1.91	3.53
4-5	19	2	.0020488	.0004915	.0010556	1.94	4.17	.0020138	.0004015	.0009206	2.19	5.02
4-5	19	3	.0018788	.0003869	.0008748	2.15	4.86	.0017708	.0003149	.0008668	2.04	5.62
4-5	20	1	.0033454	.0011003	.0020378	1.64	3.04	.0030134	.0008790	.0017056	1.77	3.43
4-5	20	2	.0020363	.0004019	.0009159	2.22	5.07	.0020018	.0003119	.0007809	2.56	6.42
4-5	20	3	.0018796	.0003611	.0008551	2.20	5.20	.0017716	.0002891	.0008471	2.09	6.13
4-6	1	1	.0035817	.0010575	.0019271	1.86	3.39	.0032497	.0008362	.0015951	2.04	3.89
4-6	1	2	.0025168	.0004466	.0010540	2.39	5.63	.0024818	.0003566	.0009190	2.70	6.96
4-6	1	3	.0026435	.0004194	.0008798	3.00	6.30	.0025355	.0003474	.0008716	2.91	7.30
4-6	2	1	.0038173	.0010737	.0021050	1.81	3.56	.0034853	.0008524	.0017730	1.97	4.09
4-6	2	2	.0024925	.0004535	.0011335	2.20	5.50	.0024575	.0003635	.0009989	2.46	6.70
4-6	2	3	.0024021	.0003963	.0010132	2.37	6.06	.0022941	.0003243	.0010052	2.28	7.07
4-6	3	1	.0036916	.0010737	.0021409	1.72	3.44	.0033596	.0008524	.0016089	1.86	3.94
4-6	3	2	.0023121	.0004695	.0010796	2.14	4.92	.0022771	.0003795	.0009446	2.41	6.00
4-6	3	3	.0021697	.0003546	.0008929	2.43	6.12	.0020617	.0002825	.0008849	2.33	7.30
4-6	4	1	.0041855	.0011777	.0021490	1.95	3.55	.0038535	.0009564	.0018176	2.12	4.03
4-6	4	2	.0029715	.0005729	.0013281	2.24	5.19	.0029365	.0004829	.0011931	2.46	6.08
4-6	4	3	.0029782	.0004491	.0010067	2.96	6.63	.0028707	.0003771	.0009987	2.87	7.61
4-6	5	1	.0036309	.0010904	.0019577	1.85	3.33	.0032989	.0008691	.0016257	2.03	3.80
4-6	5	2	.0026199	.0004643	.0010022	2.61	5.64	.0025849	.0003743	.0008872	2.98	6.91
4-6	5	3	.0023839	.0003356	.0008986	2.65	7.10	.0022759	.0002636	.0008906	2.56	8.63
4-6	6	1	.0046946	.0012979	.0025221	2.08	3.62	.0043626	.0010766	.0019201	2.27	4.00
4-6	6	2	.0040616	.0005819	.0011241	3.61	6.98	.0040266	.0004919	.0009891	4.07	8.19
4-6	6	3	.0038598	.0005427	.0011164	3.46	7.11	.0037518	.0004707	.0011084	3.38	7.97

STA NO	DOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			R(45)	R(90)	R(135)	45 135	45 90	R(45)	R(90)	R(135)	45 135	45 90
4-6-7	1		.0065980	.0010491	.0019081	3.46	6.29	.0062660	.0008278	.0015761	3.98	7.57
4-6-7	2		.0019189	.0004394	.0010379	1.46	4.46	.0018839	.0003404	.0008989	2.10	5.53
4-6-7	3		.0018883	.0003454	.0009085	2.08	5.47	.0017803	.0002734	.0009005	1.98	6.51
4-6-8	1		.0032078	.0010743	.0021755	1.47	2.99	.0028758	.0008530	.0018435	1.56	3.37
4-6-8	2		.0022318	.0004339	.0011713	1.91	5.14	.0021968	.0003439	.0010363	2.12	6.39
4-6-8	3		.0020438	.0003647	.0009815	2.08	5.60	.0019358	.0002927	.0009735	1.99	6.61
4-6-9	1		.0035954	.0011185	.0022661	1.59	3.21	.0032634	.0008972	.0019341	1.69	3.64
4-6-9	2		.0025017	.0004915	.0012888	1.94	5.09	.0024662	.0004015	.0011536	2.14	6.14
4-6-9	3		.0023477	.0003584	.0010259	2.29	6.55	.0022397	.0002864	.0010179	2.20	7.82
4-6-10	1		.0032728	.0010570	.0022061	1.48	3.10	.0029408	.0008357	.0018741	1.57	3.52
4-6-10	2		.0021481	.0004718	.0012276	1.75	4.55	.0021131	.0003818	.0010926	1.93	5.53
4-6-10	3		.0021694	.0003700	.0009544	2.27	5.86	.0020614	.0002980	.0009464	2.18	6.92
4-6-11	1		.0038081	.0011243	.0022084	1.72	3.39	.0034761	.0009030	.0018764	1.85	3.85
4-6-11	2		.0027743	.0004687	.0012656	2.19	6.02	.0027393	.0003707	.0011306	2.42	7.39
4-6-11	3		.0024356	.0004255	.0010273	2.37	5.72	.0023276	.0003535	.0010193	2.28	6.58
4-6-12	1		.0050333	.0012195	.0021348	2.36	4.13	.0047013	.0009982	.0018028	2.61	4.71
4-6-12	2		.0035363	.0005730	.0011723	3.02	6.17	.0035013	.0004830	.0010373	3.38	7.25
4-6-12	3		.0032562	.0004385	.0009407	3.46	7.43	.0031482	.0003665	.0009327	3.38	8.59
4-6-13	1		.0048197	.0011822	.0022942	2.10	4.08	.0044877	.0009609	.0019622	2.29	4.67
4-6-13	2		.0035691	.0004679	.0013134	2.72	6.28	.0035341	.0004779	.0011784	3.00	7.39
4-6-13	3		.0033004	.0004977	.0011156	2.96	6.63	.0031924	.0004257	.0011076	2.88	7.50
4-6-14	1		.0040646	.0012066	.0023156	1.76	3.37	.0037326	.0009353	.0019836	1.88	3.79
4-6-14	2		.0033499	.0004265	.0015004	2.23	4.00	.0033149	.0007465	.0013654	2.43	4.44
4-6-14	3		.0036675	.0006661	.0012179	3.01	5.51	.0035595	.0005941	.0012099	2.94	5.99
4-6-15	1		.0042674	.0011970	.0021683	1.97	3.60	.0039354	.0009657	.0018363	2.14	4.08
4-6-15	2		.0030909	.0005347	.0013784	2.24	5.78	.0030559	.0004447	.0012434	2.46	6.87
4-6-15	3		.0031053	.0004977	.0009829	3.16	6.24	.0029973	.0004257	.0009749	3.07	7.04
4-6-16	1		.0039258	.0011568	.0023846	1.65	3.39	.0035938	.0009355	.0020526	1.75	3.84
4-6-16	2		.0027253	.0005086	.0013078	2.08	5.36	.0026903	.0004186	.0011728	2.29	6.43
4-6-16	3		.0030453	.0004670	.0010597	2.87	6.52	.0029373	.0003950	.0010517	2.79	7.44
4-6-17	1		.0040576	.0011495	.0023913	1.70	3.53	.0037256	.0009282	.0020593	1.81	4.01
4-6-17	2		.0025648	.0005091	.0013582	1.89	5.04	.0025298	.0004191	.0012232	2.07	6.04
4-6-17	3		.0025584	.0005467	.0011371	2.25	4.68	.0024504	.0004747	.0011291	2.17	5.16
4-6-18	1		.0040647	.0011870	.0022753	1.79	3.42	.0037327	.0009657	.0019433	1.92	3.87
4-6-18	2		.0028691	.0005590	.0011799	2.43	5.13	.0028341	.0004690	.0010439	2.71	6.04
4-6-18	3		.0026936	.0004134	.0009939	2.71	6.52	.0025856	.0003414	.0009859	2.62	7.57
4-6-19	1		.0068977	.0016202	.0025980	2.65	4.26	.0065657	.0013989	.0022660	2.90	4.69
4-6-19	2		.0051787	.0009928	.0016969	3.05	5.80	.0051437	.0008028	.0015619	3.29	6.41
4-6-19	3		.0030590	.0008011	.0012808	3.95	6.32	.0049510	.0007291	.0012728	3.89	6.79
4-6-20	1		.0042611	.0012303	.0023341	1.83	3.46	.0039291	.0010990	.0020021	1.96	3.89
4-6-20	2		.0032095	.0005630	.0013051	2.46	5.69	.0031745	.0004736	.0011701	2.71	6.70
4-6-20	3		.0030124	.0005427	.0010920	2.76	5.55	.0029044	.0004707	.0010840	2.68	6.17
4-7-1	1		.0106467	.0017356	.0025356	4.20	5.13	.0103147	.0015143	.0022036	4.68	6.81
4-7-1	2		.0071115	.0011180	.0015445	4.60	6.36	.0070765	.0010280	.0014095	5.02	6.88
4-7-1	3		.0069602	.0009697	.0013315	5.23	7.18	.0068522	.0008977	.0013235	5.18	7.63
4-7-2	1		.0087028	.0015716	.0023388	3.72	5.54	.0083708	.0013503	.0020068	4.17	6.20
4-7-2	2		.0071067	.0011813	.0014073	5.05	6.02	.0070717	.0010913	.0012723	5.56	6.48
4-7-2	3		.0069375	.0009153	.0011756	5.90	7.57	.0068295	.0008443	.0011676	5.85	8.09
4-7-3	1		.0088531	.0017212	.0024751	3.58	5.14	.0085211	.0014999	.0021431	3.98	5.68
4-7-3	2		.0074403	.0010139	.0014138	5.26	7.34	.0074058	.0009239	.0012788	5.79	8.02

STA NO	BOT NO	LAM	CA	WATER + PARTICLES					PARTICLES				
				B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-7	3	3	.0069375	.0009153	.0011756	5.90	7.57	.0008295	.0003443	.0011676	5.85	8.09	
4-7	4	1	.0052168	.0012927	.0021156	2.47	4.04	.0048849	.0016714	.0017876	2.74	4.56	
4-7	4	2	.0036621	.0006307	.0011579	3.17	5.81	.0036271	.0005407	.0010226	3.55	6.71	
4-7	4	3	.0035009	.0005877	.0009335	3.75	5.96	.0033929	.0005157	.0009255	3.67	6.58	
4-7	5	1	.0045587	.0011192	.0019881	2.29	4.07	.0042267	.0008979	.0016961	2.55	4.71	
4-7	5	2	.0036977	.0005930	.0010351	3.57	6.24	.0036627	.0005030	.0009061	4.07	7.28	
4-7	5	3	.0032277	.0005808	.0008808	3.66	5.56	.0031197	.0005088	.0008728	3.57	6.13	
4-7	6	1	.0048044	.0012352	.0020515	2.34	3.89	.0044724	.0010139	.0017199	2.60	4.41	
4-7	6	2	.0033591	.0005534	.0010679	3.15	6.00	.0033241	.0004694	.0009329	3.56	7.08	
4-7	6	3	.0034753	.0006157	.0008873	3.92	5.64	.0033673	.0005437	.0008792	3.83	6.19	
4-7	7	1	.0035175	.0011019	.0019646	1.79	3.19	.0031955	.0008896	.0016326	1.95	3.62	
4-7	7	2	.0023655	.0005029	.0009978	2.37	4.70	.0023305	.0004129	.0008728	2.70	5.64	
4-7	7	3	.0025156	.0004724	.0007974	3.15	5.33	.0024076	.0004004	.0009329	3.05	6.01	
4-7	8	1	.0052933	.0013476	.0019944	2.65	3.93	.0049613	.0011263	.0016624	2.98	4.40	
4-7	8	2	.0038286	.0006425	.0010754	3.56	5.96	.0037936	.0005525	.0009404	4.03	6.87	
4-7	8	3	.0034354	.0006168	.0008876	3.87	5.57	.0033274	.0005448	.0008792	3.78	6.11	
4-7	9	1	.0031295	.0010844	.0018792	1.67	2.89	.0027975	.0008631	.0015472	1.81	3.24	
4-7	9	2	.0021078	.0004517	.0009230	2.25	4.67	.0020728	.0003517	.0007888	2.67	5.77	
4-7	9	3	.0021188	.0004688	.0008056	2.63	4.52	.0020108	.0003968	.0007976	2.52	5.07	
4-7	10	1	.0034695	.0011104	.0019994	1.74	3.12	.0031375	.0008891	.0016674	1.88	3.53	
4-7	10	2	.0021155	.0005156	.0010255	2.06	4.10	.0020805	.0004256	.0008901	2.34	4.89	
4-7	10	3	.0022356	.0004549	.0008664	2.58	4.91	.0021276	.0003829	.0008584	2.48	5.56	
4-7	11	1	.0035594	.0011371	.0018788	1.89	3.13	.0032274	.0009158	.0015467	2.09	3.52	
4-7	11	2	.0022838	.0004938	.0009274	2.46	4.58	.0022488	.0004088	.0007924	2.34	5.50	
4-7	11	3	.0011881	.0004407	.0007407	1.60	2.70	.0010861	.0003647	.0007327	1.47	2.93	
4-7	12	1	.0048256	.0012764	.0020902	2.31	3.78	.0044936	.0010551	.0017582	2.56	4.26	
4-7	12	2	.0048791	.0006704	.0010559	4.62	7.28	.0048441	.0005804	.0009209	5.26	8.35	
4-7	12	3	.0050191	.0006515	.0009389	5.35	7.70	.0049111	.0005795	.0009309	5.28	8.48	
4-7	13	1	.0050032	.0013240	.0021798	2.30	3.78	.0046712	.0011027	.0018478	2.53	4.24	
4-7	13	2	.0042236	.0007779	.0011687	3.61	5.43	.0041866	.0006879	.0010337	4.05	6.09	
4-7	13	3	.0038650	.0006670	.0009509	4.06	5.79	.0037570	.0005950	.0009429	3.98	6.31	
4-7	14	1	.0048090	.0013581	.0020951	2.30	3.54	.0044770	.0011368	.0017631	2.54	3.94	
4-7	14	2	.0033663	.0006790	.0011134	3.02	4.96	.0033313	.0005390	.0009784	3.40	5.66	
4-7	14	3	.0029725	.0005262	.0008827	3.37	5.65	.0028645	.0004542	.0008747	3.27	6.31	
4-7	16	1	.0041606	.0012452	.0020257	2.05	3.34	.0038286	.0010239	.0016937	2.26	3.74	
4-7	16	2	.0029925	.0005833	.0009780	3.06	5.13	.0029575	.0004933	.0008430	3.51	6.00	
4-7	16	3	.0023970	.0005922	.0009270	2.59	4.05	.0022890	.0005202	.0009190	2.49	4.48	
4-7	17	1	.0068883	.0015839	.0023629	2.92	4.35	.0065563	.0013626	.0020309	3.23	4.81	
4-7	17	2	.0051406	.0007914	.0012036	4.27	6.50	.0051056	.0007014	.0010688	4.78	7.28	
4-7	17	3	.0051966	.0007793	.0010636	4.89	6.67	.0050886	.0007073	.0010596	4.82	7.19	
4-8	1	1	.0103523	.0018505	.0025126	4.12	5.59	.0100203	.0016292	.0021808	4.60	6.15	
4-8	1	2	.0071436	.0009338	.0014209	5.03	7.65	.0071986	.0008438	.0012659	5.53	8.42	
4-8	1	3	.0073541	.0009249	.0012642	5.82	7.95	.0072461	.0008529	.0012562	5.77	8.50	
4-8	2	1	.0106519	.0014053	.0024809	4.29	7.58	.0103199	.0011840	.0021486	4.80	6.72	
4-8	2	2	.0091781	.0011782	.0015628	5.87	7.79	.0091431	.0010882	.0014278	6.40	8.40	
4-8	2	3	.0087840	.0011120	.0014035	6.26	7.90	.0086760	.0010400	.0013951	6.22	8.34	
4-8	3	1	.0059976	.0014953	.0024111	2.49	4.01	.0056656	.0012740	.0020791	2.73	4.40	
4-8	3	2	.0047572	.0008154	.0013343	3.57	5.83	.0047222	.0007264	.0011993	3.94	6.50	
4-8	3	3	.0043195	.0006713	.0010813	3.99	6.43	.0042115	.0005993	.0010738	3.92	7.07	
4-8	4	1	.0050998	.0012626	.0021541	2.37	4.04	.0047678	.0010413	.0018221	2.62	4.58	

STA NO	RCT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-8-4	4	2	.0036900	.0007145	.0012281	3.00	5.16	.0036550	.0006245	.0010931	3.34	5.85
4-8-4	3		.0035681	.0005772	.0009767	3.65	6.18	.0034601	.0005052	.0009687	3.57	6.85
4-8-5	1		.0044469	.0013964	.0023741	2.29	3.90	.0051149	.0011751	.0020421	2.50	4.35
4-8-5	2		.0044717	.0006605	.0011759	3.80	6.77	.0044367	.0005705	.0010409	4.26	7.78
4-8-5	3		.0042005	.0006815	.0010493	4.00	6.16	.0040925	.0006095	.0010413	3.93	6.71
4-8-6	1		.0045917	.0012525	.0021079	2.18	3.67	.0042597	.0010312	.0017759	2.40	4.13
4-8-6	2		.0034785	.0005291	.0010102	3.44	6.57	.0034435	.0004391	.0008752	3.93	7.84
4-8-6	3		.0038953	.0004448	.0008528	4.57	8.76	.0037873	.0003728	.0008448	4.48	0.1*
4-8-7	1		.0040614	.0011649	.0019741	2.06	3.49	.0037294	.0009436	.0016421	2.27	3.95
4-8-7	2		.0029753	.0004993	.0009922	3.00	5.96	.0029403	.0004093	.0008572	3.43	7.18
4-8-7	3		.0026192	.0004517	.0008248	3.05	5.58	.0024112	.0003797	.0008168	2.95	6.35
4-8-8	1		.0034780	.0010538	.0019455	1.79	3.28	.0031460	.0008375	.0016135	1.95	3.76
4-8-8	2		.0023993	.0004275	.0009842	2.44	5.61	.0023643	.0003375	.0008492	2.78	7.00
4-8-8	3		.0023092	.0004482	.0008256	2.80	5.15	.0022012	.0003762	.0008176	2.69	5.85
4-8-9	1		.0032596	.0010949	.0019376	1.68	2.98	.0029276	.0008736	.0016056	1.82	3.35
4-8-9	2		.0023715	.0004415	.0009157	2.59	5.37	.0023365	.0003515	.0007807	2.99	6.65
4-8-9	3		.0021476	.0004590	.0008044	2.67	4.68	.0020396	.0003870	.0007964	2.56	5.27
4-8-10	1		.0028626	.0010140	.0019003	1.51	2.82	.0025306	.0007927	.0015683	1.61	3.19
4-8-10	2		.0022357	.0004098	.0009132	2.45	5.46	.0022007	.0003198	.0007792	2.83	6.88
4-8-10	3		.0016339	.0003212	.0007310	2.24	5.09	.0015259	.0002492	.0007230	2.11	6.12
4-8-11	1		.0033968	.0010937	.0020950	1.69	3.11	.0030648	.0008724	.0016730	1.83	3.51
4-8-11	2		.0023404	.0004551	.0009471	2.47	5.14	.0023054	.0003651	.0008121	2.84	6.31
4-8-11	3		.0020077	.0004662	.0008144	2.47	4.31	.0018997	.0003942	.0008064	2.36	4.82
4-8-12	1		.0044457	.0012337	.0020142	2.21	3.60	.0041137	.0010124	.0016822	2.45	4.06
4-8-12	2		.0031195	.0005122	.0010161	3.07	6.09	.0030845	.0004222	.0008801	3.50	7.31
4-8-12	3		.0026991	.0005180	.0008475	3.18	5.21	.0025911	.0004460	.0008395	3.09	5.81
4-8-13	1		.0042668	.0011580	.0019672	2.17	3.68	.0039348	.0009367	.0016352	2.41	4.20
4-8-13	2		.0031742	.0005424	.0009517	3.34	5.85	.0031392	.0004524	.0008167	3.84	6.94
4-8-13	3		.0032874	.0004768	.0007956	4.13	6.89	.0031794	.0004048	.0007876	4.04	7.85
4-8-14	1		.0045293	.0012963	.0019898	2.28	3.49	.0041973	.0010750	.0016578	2.53	3.90
4-8-14	2		.0033402	.0005806	.0016344	3.23	5.75	.0033052	.0004906	.0008994	3.68	6.74
4-8-14	3		.0028588	.0004942	.0007978	3.58	5.78	.0027508	.0004222	.0007898	3.48	6.52
4-8-15	1		.0089212	.0018672	.0026694	3.34	4.78	.0085892	.0016459	.0023374	3.67	5.22
4-8-15	2		.0076996	.0011880	.0015363	5.01	6.48	.0076646	.0010980	.0014013	5.47	6.98
4-8-15	3		.0080257	.0010875	.0013958	5.75	7.38	.0079177	.0010155	.0013878	5.71	7.80
4-8-16	1		.0058998	.0014553	.0021674	2.72	4.20	.0055678	.0011840	.0018354	3.03	4.70
4-8-16	2		.0043476	.0008437	.0012361	3.52	5.15	.0043126	.0007537	.0011011	3.92	5.72
4-8-16	3		.0042403	.0007027	.0009511	4.46	6.03	.0041323	.0006307	.0009431	4.38	6.55
4-8-17	1		.0047375	.0012283	.0020509	2.31	3.86	.0044055	.0010070	.0017189	2.56	4.37
4-8-17	2		.0031308	.0005643	.0010619	2.95	5.55	.0030958	.0004743	.0009269	3.34	6.53
4-8-17	3		.0037943	.0005817	.0008415	4.51	6.52	.0036868	.0005097	.0008335	4.42	7.23
4-8-18	1		.0049308	.0011935	.0019583	2.06	3.41	.0036988	.0009592	.0016263	2.27	3.86
4-8-18	2		.0039375	.0006112	.0010885	2.79	4.97	.0030025	.0005212	.0009535	3.15	5.76
4-8-18	3		.0029209	.0005817	.0009520	3.07	5.02	.0028129	.0005097	.0008040	2.98	5.52
4-8-19	1		.0034767	.0011934	.0019798	1.76	2.91	.0031447	.0009721	.0016478	1.91	3.23
4-8-19	2		.0025586	.0005123	.0009988	2.56	4.99	.0025236	.0004223	.0008638	2.92	5.98
4-8-19	3		.0022929	.0004448	.0007815	2.93	5.16	.0021849	.0003728	.0007735	2.82	5.86
4-8-20	1		.0027709	.0010688	.0018735	1.48	2.59	.0024389	.0008475	.0015415	1.58	2.88
4-8-20	2		.0017642	.0004064	.0009100	1.94	4.34	.0017292	.0003164	.0007750	2.23	5.46
4-8-20	3		.0015284	.0003924	.0007162	2.15	3.90	.0014204	.0003204	.0007022	2.02	4.43

STA NO	BOT NO	L	M	WATER + PARTICLES					PARTICLES				
				B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-9	1	1		.0091607	.0016337	.0024686	3.71	5.61	.0088287	.0014124	.0021366	4.13	6.25
4-9	1	2		.0075248	.0010155	.0014525	5.18	7.41	.0074898	.0009255	.0013175	5.68	8.09
4-9	1	3		.0073425	.0009267	.0003250	2.5*	8.10	.0072345	.0009347	.0003170	2.8*	8.67
4-9	2	1		.0086143	.0015516	.0024266	3.55	5.55	.0082423	.0013303	.0020946	3.95	6.23
4-9	2	2		.0069900	.0009440	.0013347	5.24	7.40	.0069550	.0008540	.0011997	5.80	8.14
4-9	2	3		.0063739	.0009129	.0012604	5.06	6.98	.0052659	.0008409	.0012524	5.00	7.45
4-9	3	1		.0122518	.0023263	.0029059	4.22	5.27	.0119198	.0021050	.0025730	4.63	5.66
4-9	3	2		.0074861	.0019106	.0023973	3.12	3.92	.0074511	.0018206	.0022623	3.29	4.09
4-9	3	3		.0059816	.0019663	.0021697	2.76	3.04	.0058736	.0018943	.0021617	2.72	3.10
4-9	4	1		.0087915	.0012007	.0018259	4.31	7.32	.0084595	.0009794	.0014939	5.66	8.64
4-9	4	2		.0068181	.0006315	.0009566	7.13	0.8*	.0067831	.0005415	.0008216	6.26	2.5*
4-9	4	3		.0030081	.0006836	.0009484	3.17	4.40	.0029061	.0006116	.0009404	3.08	4.74
4-9	5	1		.0045885	.0013053	.0020778	2.21	3.52	.0042565	.0019340	.0017458	2.44	3.93
4-9	5	2		.0036815	.0007115	.0010758	3.42	5.17	.0036465	.0006215	.0009408	3.88	5.87
4-9	5	3		.0038803	.0006789	.0009616	4.04	5.72	.0037729	.0006069	.0009536	3.96	6.22
4-9	6	1		.0045637	.0012232	.0010436	4.37	3.73	.0042317	.0010019	.0007116	5.95	4.22
4-9	6	2		.0034220	.0006172	.0010281	3.33	5.54	.0033870	.0005272	.0008931	3.79	6.42
4-9	6	3		.0027665	.0006234	.0010241	2.70	4.44	.0026585	.0005514	.0010161	2.62	4.82
4-9	7	1		.0032651	.0011069	.0020158	1.62	2.95	.0029331	.0008856	.0016838	1.74	3.31
4-9	7	2		.0023386	.0005077	.0010568	2.21	4.61	.0023036	.0004177	.0009216	2.50	5.52
4-9	7	3		.0026110	.0007904	.0009489	2.75	3.30	.0025030	.0007184	.0009409	2.66	3.48
4-9	8	1		.0040542	.0013493	.0024348	1.67	3.00	.0037222	.0011280	.0021028	1.77	3.30
4-9	8	2		.0024619	.0004717	.0009633	2.56	5.22	.0024269	.0003817	.0008283	2.93	6.36
4-9	8	3		.0028452	.0004913	.0010340	2.75	5.91	.0027372	.0004093	.0010260	2.67	6.69
4-9	9	1		.0031549	.0010927	.0019774	1.60	2.89	.0028229	.0008714	.0016454	1.72	3.24
4-9	9	2		.0018011	.0004431	.0010459	1.72	4.06	.0017661	.0003531	.0009109	1.94	5.00
4-9	9	3		.0019913	.0004850	.0009776	2.04	4.11	.0018833	.0004130	.0009698	1.94	4.56
4-9	10	1		.0030644	.0010788	.0019916	1.54	2.84	.0027724	.0008575	.0016596	1.65	3.19
4-9	10	2		.0016299	.0004385	.0010364	1.57	3.72	.0015948	.0003485	.0009014	1.77	4.58
4-9	10	3		.0017749	.0004542	.0008824	2.01	3.91	.0016669	.0003822	.0008744	1.91	4.36
4-9	11	1		.0035002	.0011238	.0020231	1.73	3.11	.0031682	.0009025	.0016911	1.87	3.51
4-9	11	2		.0021631	.0004609	.0010461	2.07	4.69	.0021281	.0003709	.0009111	2.34	5.74
4-9	11	3		.0021667	.0004916	.0008836	2.45	4.41	.0020587	.0004196	.0008756	2.35	4.91
4-9	12	1		.0055701	.0014733	.0023498	2.37	3.78	.0052381	.0012520	.0020178	2.60	4.18
4-9	12	2		.0034035	.0005647	.0009902	3.44	6.33	.0033685	.0004747	.0008552	3.94	7.10
4-9	12	3		.0034286	.0008879	.0011469	2.99	3.86	.0033206	.0008159	.0011389	2.92	4.07
4-9	13	1		.0041307	.0013749	.0024498	1.69	3.09	.0037987	.0011136	.0021178	1.79	3.41
4-9	13	2		.0022472	.0004791	.0011184	2.01	4.69	.0022122	.0003891	.0009834	2.25	5.69
4-9	13	3		.0026492	.0005617	.0010004	2.65	4.72	.0025412	.0004897	.0009924	2.56	5.19
4-9	14	1		.0029790	.0010429	.0019194	1.55	2.86	.0026470	.0008216	.0015874	1.67	3.22
4-9	14	2		.0015317	.0004680	.0010087	1.52	3.27	.0014967	.0003730	.0008737	1.71	3.96
4-9	14	3		.0015469	.0004417	.0009006	1.72	3.50	.0014389	.0003697	.0008926	1.61	3.89
4-9	15	1		.0038651	.0012841	.0020768	1.86	3.01	.0035331	.0010628	.0017448	2.02	3.32
4-9	15	2		.0028100	.0005273	.0010039	2.80	5.32	.0027750	.0004378	.0008688	3.19	6.34
4-9	15	3		.0030696	.0005653	.0009242	3.34	5.46	.0029816	.0004938	.0009162	3.25	6.04
4-9	16	1		.0034185	.0012007	.0020938	1.63	2.85	.0030865	.0009794	.0017618	1.75	3.19
4-9	16	2		.0020918	.0005516	.0010567	1.93	3.79	.0020568	.0004616	.0009217	2.23	4.40
4-9	16	3		.0022497	.0005281	.0009713	2.32	4.26	.0021417	.0004561	.0009633	2.22	4.70
4-9	17	1		.0032921	.0011590	.0020667	1.59	2.84	.0029601	.0009377	.0017347	1.71	3.16
4-9	17	2		.0023483	.0005280	.0010834	2.17	4.45	.0023133	.0004380	.0009484	2.44	5.28

STA NO	BOT NO	LAMDA	WATER + PARTICLES			PARTICLES					45 135	45 90
			R(45)	R(90)	R(135)	B(45)	B(90)	B(135)	45 135	45 90		
4- 9 17	3		.0019420	.0004910	.0009228	2.10	4.31	.0018340	.0003790	.0009158	2.00	4.84
4- 9 18	1		.0041330	.0013761	.0025504	1.62	3.00	.0038010	.0011548	.0022184	1.71	3.29
4- 9 18	2		.0024902	.0005739	.0012019	2.07	4.34	.0024552	.0004339	.0010669	2.30	5.07
4- 9 18	3		.0021643	.0005892	.0010665	2.03	4.25	.0020563	.0004372	.0010585	1.94	4.70
4- 9 19	1		.0038701	.0011822	.0021301	1.82	3.27	.0035381	.0009609	.0017981	1.97	3.68
4- 9 19	2		.0027381	.0005711	.0011628	2.35	4.79	.0027031	.0004811	.0010278	2.63	5.62
4- 9 19	3		.0026979	.0005530	.0009989	2.70	4.84	.0025899	.0004360	.0009909	2.61	5.33
4- 9 20	1		.0040586	.0013246	.0020757	1.96	3.06	.0037266	.0011043	.0017437	2.14	3.37
4- 9 20	2		.0027640	.0006315	.0010495	2.63	4.38	.0027290	.0005415	.0009145	2.98	5.04
4- 9 20	3		.0028245	.0006045	.0009408	3.00	4.67	.0027165	.0005325	.0009328	2.91	5.10
4-10 1	1		.0072929	.0015234	.0022303	3.27	4.77	.0069609	.0013071	.0018983	3.67	5.33
4-10 1	2		.0052765	.0008648	.0012014	4.39	6.10	.0052415	.0007748	.0010664	4.92	6.77
4-10 1	3		.0052497	.0008628	.0011191	4.69	6.08	.0051417	.0007908	.0011111	4.63	6.50
4-10 2	1		.0063507	.0013557	.0021804	2.91	4.68	.0060187	.0011344	.0018484	3.26	5.31
4-10 2	2		.0051732	.0007506	.0011875	4.36	6.89	.0051382	.0006606	.0010525	4.88	7.78
4-10 2	3		.0047213	.0007462	.0009432	5.01	6.33	.0046138	.0006742	.0009352	4.93	6.84
4-10 3	1		.0105102	.0013884	.0022159	4.74	7.57	.0101782	.0011671	.0018839	5.40	8.72
4-10 3	2		.0083359	.0012468	.0016081	5.18	6.69	.0083009	.0011568	.0014731	5.63	7.18
4-10 3	3		.0075911	.0010315	.0012505	6.07	7.36	.0074831	.0009595	.0012425	6.02	7.80
4-10 4	1		.0049840	.0013033	.0016905	2.95	3.81	.0046520	.0010870	.0013585	3.42	4.28
4-10 4	2		.0031797	.0005937	.0010911	2.91	5.36	.0031447	.0005037	.0009561	3.29	6.24
4-10 4	3		.0036364	.0006094	.0008676	4.19	5.97	.0035284	.0005374	.0008596	4.10	6.57
4-10 5	1		.0052451	.0012953	.0021036	2.49	4.05	.0049131	.0010740	.0017716	2.77	4.57
4-10 5	2		.0036390	.0006404	.0011605	3.14	5.68	.0036040	.0005504	.0010255	3.51	6.55
4-10 5	3		.0042169	.0006342	.0009705	4.35	6.65	.0041089	.0005622	.0009625	4.27	7.31
4-10 6	1		.0069729	.0015856	.0023677	2.94	4.40	.0066409	.0013643	.0020357	3.26	4.87
4-10 6	2		.0059557	.0008167	.0010708	5.56	7.29	.0059207	.0007267	.0009358	6.33	8.15
4-10 6	3		.0063616	.0008445	.0010314	6.17	7.53	.0062536	.0007725	.0010234	6.11	8.10
4-10 7	1		.0034024	.0010957	.0019757	1.72	3.10	.0030704	.0008754	.0011643	1.87	3.51
4-10 7	2		.0023148	.0004713	.0009999	2.32	4.91	.0022798	.0003818	.0008649	2.64	5.97
4-10 7	3		.0022472	.0003993	.0008479	2.65	5.63	.0021392	.0003273	.0008399	2.55	6.54
4-10 8	1		.0030395	.0010876	.0019419	1.57	2.79	.0027075	.0008663	.0016099	1.68	3.13
4-10 8	2		.0023672	.0004755	.0009621	2.46	4.98	.0023322	.0003956	.0008271	2.82	6.05
4-10 8	3		.0023751	.0004052	.0007653	3.10	5.86	.0022671	.0003332	.0007578	2.99	6.80
4-10 9	1		.0030450	.0010465	.0018612	1.64	2.91	.0027130	.0008252	.0015292	1.77	3.29
4-10 9	2		.0021088	.0004607	.0009018	2.34	4.58	.0020738	.0003707	.0007668	2.70	5.59
4-10 9	3		.0019035	.0003908	.0007532	2.53	4.87	.0017955	.0003188	.0007452	2.41	5.63
4-10 10	1		.0029898	.0010703	.0019445	1.54	2.79	.0026578	.0008490	.0016125	1.65	3.13
4-10 10	2		.0018506	.0004461	.0010001	1.85	4.15	.0018156	.0003561	.0009651	2.10	5.10
4-10 10	3		.0019064	.0004022	.0007412	2.57	4.74	.0017984	.0003302	.0007332	2.45	5.45
4-10 11	1		.0035668	.0011053	.0018730	1.90	3.23	.0032348	.0008840	.0015410	2.10	3.66
4-10 11	2		.0029276	.0004756	.0009369	2.70	5.31	.0024926	.0003856	.0008019	3.11	6.46
4-10 11	3		.0025005	.0004113	.0008478	2.95	6.08	.0023925	.0003393	.0008398	2.85	7.05
4-10 12	1		.0051476	.0013144	.0020884	2.46	3.92	.0048156	.0010931	.0017564	2.74	4.41
4-10 12	2		.0043252	.0006223	.0010832	3.99	6.95	.0042902	.0005323	.0009482	4.52	8.06
4-10 12	3		.0043725	.0006435	.0009267	4.72	6.79	.0042645	.0005715	.0009187	4.64	7.46
4-10 13	1		.0045953	.0013105	.0021551	2.13	3.51	.0042663	.0010892	.0018231	2.34	3.92
4-10 13	2		.0036188	.0005373	.0010390	3.48	6.74	.0035938	.0004473	.0009040	3.96	8.01
4-10 13	3		.0039549	.0005287	.0008509	4.65	7.48	.0038469	.0004567	.0008429	4.56	8.42
4-10 14	1		.0031253	.0010703	.0019058	1.64	2.92	.0027933	.0008490	.0015738	1.77	3.29

STA NO	BOC NO	LAMD	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-10 14	2		.0016930	.0004410	.0009855	1.72	3.84	.0016530	.0003510	.0008506	1.95	4.72
4-10 14	3		.0016956	.0004175	.0008177	2.07	4.06	.0015376	.0003455	.0008097	1.96	4.59
4-10 15	1		.0041272	.0012457	.0020018	2.96	3.31	.0037952	.0010244	.0016698	2.27	3.70
4-10 15	2		.0031072	.0005331	.0009562	3.24	5.83	.0030722	.0004431	.0008232	3.73	6.93
4-10 15	3		.0030123	.0005556	.0008055	3.74	5.42	.0029043	.0004336	.0007975	3.64	6.61
4-10 16	1		.0029624	.0010627	.0018819	1.57	2.79	.0026304	.0008419	.0015499	1.70	3.13
4-10 16	2		.0019544	.0004680	.0009133	2.15	4.18	.0019194	.0003780	.0007758	2.47	5.08
4-10 16	3		.0016490	.0004052	.0007023	2.35	4.07	.0019410	.0003332	.0006943	2.22	4.62
4-10 17	1		.0029661	.0010618	.0019291	1.54	2.79	.0026341	.0008405	.0015971	1.65	3.13
4-10 17	2		.0017659	.0004105	.0009180	1.92	4.30	.0017309	.0003205	.0007810	2.21	5.40
4-10 17	3		.0017346	.0004529	.0008443	2.05	3.83	.0016266	.0003809	.0008381	1.94	4.27
4-10 18	1		.0028323	.0010876	.0020179	1.40	2.60	.0025003	.0008663	.0016859	1.48	2.89
4-10 18	2		.0017143	.0003898	.0009911	1.73	4.41	.0016733	.0002990	.0008561	1.96	5.62
4-10 18	3		.0016455	.0004052	.0007975	2.07	4.06	.0015375	.0003332	.0007855	1.96	4.61
4-10 19	1		.0026823	.0006217	.0018249	1.47	4.31	.0023503	.0004904	.0014929	1.57	5.87
4-10 19	2		.0019027	.0004763	.0009567	1.99	3.99	.0018677	.0003863	.0008217	2.27	4.83
4-10 19	3		.0016663	.0004144	.0007182	2.35	4.67	.0019783	.0003424	.0007168	2.22	4.61
4-10 20	1		.0029057	.0010609	.0018788	1.55	2.74	.0025737	.0008396	.0015468	1.66	3.07
4-10 20	2		.0018608	.0004339	.0008666	2.15	4.29	.0018258	.0003439	.0007316	2.50	5.31
4-10 20	3		.0014879	.0003871	.0007384	2.01	3.84	.0013799	.0003151	.0007304	1.89	4.38
4-11 1	1		.0075987	.0014052	.0021912	3.47	5.41	.0072667	.0011839	.0018592	3.91	6.14
4-11 1	2		.0055674	.0009198	.0012054	4.62	6.06	.0055324	.0008290	.0010704	5.17	6.67
4-11 1	3		.0055651	.0008204	.0010962	5.08	6.78	.0054571	.0007484	.0010882	5.01	7.29
4-11 2	1		.0074654	.0015397	.0022602	3.30	4.88	.0071334	.0013094	.0019282	3.70	5.45
4-11 2	2		.0060096	.0008715	.0012084	4.97	6.90	.0059746	.0007315	.0010734	4.57	7.65
4-11 2	3		.0066005	.0009227	.0011037	5.98	7.15	.0064925	.0008507	.0010957	5.93	7.63
4-11 3	1		.0091862	.0017099	.0024754	3.71	5.37	.0088542	.0014386	.0021434	4.13	5.95
4-11 3	2		.0087611	.0011404	.0014541	6.02	7.68	.0087261	.0010504	.0013191	6.62	8.31
4-11 3	3		.0095823	.0011911	.0013235	7.24	8.05	.0094743	.0011191	.0013155	7.20	8.47
4-11 4	1		.0041474	.0011543	.0019069	2.17	3.59	.0038154	.0009330	.0015749	2.42	4.09
4-11 4	2		.0033412	.0005487	.0010323	3.24	6.09	.0033062	.0004587	.0008973	3.68	7.21
4-11 4	3		.0041363	.0005506	.0009023	4.58	7.51	.0040283	.0004786	.0008958	4.50	8.42
4-11 5	1		.0036827	.0010877	.0018601	1.98	3.39	.0033507	.0008664	.0015281	2.19	3.87
4-11 5	2		.0029563	.0005165	.0010627	2.95	5.72	.0029213	.0004265	.0008677	3.37	6.85
4-11 5	3		.0028764	.0005063	.0009039	3.13	5.68	.0027684	.0004343	.0008959	3.09	6.37
4-11 6	1		.0040666	.0011917	.0020430	1.99	3.41	.0037346	.0009764	.0017110	2.18	3.85
4-11 6	2		.0028912	.0005574	.0010678	2.71	5.19	.0028562	.0004674	.0009328	3.06	6.11
4-11 6	3		.0028540	.0005506	.0009525	3.00	5.18	.0027460	.0004786	.0009445	2.91	5.74
4-11 7	1		.0032138	.0010622	.0019104	1.68	3.03	.0028818	.0008409	.0015784	1.83	3.43
4-11 7	2		.0021701	.0004680	.0009843	2.20	4.64	.0021351	.0003780	.0008493	2.51	5.65
4-11 7	3		.0021247	.0005506	.0008888	2.39	3.86	.0020167	.0004786	.0008608	2.29	4.21
4-11 8	1		.0029545	.0010622	.0017883	1.65	2.78	.0026225	.0008409	.0014563	1.80	3.12
4-11 8	2		.0018808	.0004316	.0006794	2.14	4.36	.0015458	.0003410	.0007444	2.48	5.41
4-11 8	3		.0020891	.0004636	.0009639	2.17	4.51	.0019811	.0003916	.0009556	2.07	5.06
4-11 9	1		.0029335	.0010358	.0018875	1.65	2.83	.0026015	.0008145	.0015555	1.67	3.19
4-11 9	2		.0017352	.0004415	.0009080	1.91	3.93	.0017002	.0003515	.0007730	2.20	4.84
4-11 9	3		.0016517	.0003668	.0007969	2.07	4.50	.0015437	.0002948	.0007889	1.96	5.24
4-11 10	1		.0025897	.0010363	.0018352	1.41	2.50	.0022577	.0008150	.0015032	1.50	2.77
4-11 10	2		.0015836	.0004098	.0009054	1.75	3.86	.0015486	.0003198	.0007704	2.01	4.84
4-11 10	3		.0014587	.0003500	.0009233	1.77	4.17	.0013507	.0002780	.0008153	1.66	4.86

STA NO	ROT NO	WATER + PARTICLES						PARTICLES				
		LAMDA	R(45)	R(90)	R(135)	45 135	45 90	R(45)	R(90)	R(135)	45 135	45 90
4-11	11	1	.0032150	.0010622	.0019374	1.71	3.03	.0028830	.0008409	.0015454	1.87	3.43
4-11	11	2	.0024014	.0004665	.0009655	2.49	5.15	.0023664	.0003765	.0008305	2.85	6.29
4-11	11	3	.0023445	.0004371	.0008015	2.93	5.36	.0022365	.0003651	.0007935	2.82	6.13
4-11	12	1	.0033663	.0010874	.0019046	1.77	3.10	.0030343	.0008661	.0015720	1.93	3.50
4-11	12	2	.0024449	.0005041	.0009680	2.53	4.85	.0024099	.0004141	.0008330	2.89	5.82
4-11	12	3	.0025109	.0004339	.0008257	3.04	5.79	.0024029	.0003619	.0008177	2.94	6.64
4-11	13	1	.0034291	.0010706	.0019342	1.77	3.20	.0030971	.0008493	.0016022	1.93	3.65
4-11	13	2	.0026438	.0005165	.0009833	2.69	5.12	.0026088	.0004265	.0008483	3.08	6.12
4-11	13	3	.0027659	.0004788	.0008644	3.20	5.78	.0026579	.0004068	.0008564	3.10	6.53
4-11	14	1	.0034090	.0011302	.0022277	1.53	3.02	.0030770	.0009089	.0018957	1.62	3.39
4-11	14	2	.0016073	.0005034	.0011907	1.35	3.16	.0015723	.0004184	.0010557	1.49	3.76
4-11	14	3	.0020623	.0004423	.0009712	2.12	4.66	.0019543	.0003703	.0009632	2.03	5.28
4-11	15	1	.0032353	.0010988	.0021962	1.47	2.94	.0029033	.0008775	.0018642	1.56	3.31
4-11	15	2	.0021705	.0004582	.0011779	1.84	4.74	.0021355	.0003682	.0010429	2.05	5.80
4-11	15	3	.0021917	.0004339	.0009852	2.22	5.05	.0020837	.0003619	.0009772	2.13	5.76
4-11	16	1	.0031768	.0010954	.0023249	1.37	3.01	.0028448	.0008341	.0019929	1.43	3.41
4-11	16	2	.0017596	.0004755	.0011735	1.50	3.70	.0017246	.0003855	.0010385	1.66	4.47
4-11	16	3	.0018794	.0004423	.0011027	1.70	4.25	.0017714	.0003703	.0010947	1.62	4.78
4-11	17	1	.0028274	.0010452	.0021524	1.31	2.71	.0024954	.0008329	.0018204	1.37	3.03
4-11	17	2	.0017619	.0004345	.0011108	1.59	4.06	.0017269	.0003445	.0009758	1.77	5.01
4-11	17	3	.0015498	.0004249	.0009873	1.57	3.65	.0014418	.0003529	.0009793	1.47	4.09
4-11	18	1	.0035523	.0011124	.0020574	1.73	3.19	.0032203	.0008911	.0017254	1.87	3.61
4-11	18	2	.0019383	.0004717	.0010015	1.94	4.11	.0019033	.0003817	.0008665	2.20	4.99
4-11	18	3	.0018652	.0004339	.0008502	2.19	4.30	.0017572	.0003619	.0008422	2.09	4.85
4-11	19	1	.0031460	.0010889	.0021226	1.48	2.89	.0028140	.0008676	.0017906	1.57	3.24
4-11	19	2	.0019219	.0004680	.0010246	1.89	4.11	.0018869	.0003780	.0008896	2.12	4.99
4-11	19	3	.0019037	.0004434	.0009253	2.06	4.29	.0017957	.0003714	.0009173	1.96	4.83
4-11	20	1	.0031261	.0011236	.0021150	1.48	2.78	.0027941	.0009023	.0017830	1.57	3.10
4-11	20	2	.0020923	.0004793	.0011077	1.89	4.37	.0020573	.0003893	.0009727	2.12	5.28
4-11	20	3	.0020630	.0004423	.0009534	2.16	4.66	.0019550	.0003703	.0009454	2.07	5.28
4-12	1	1	.0159695	.0022955	.0031331	5.10	6.96	.0156375	.0020742	.0028011	5.58	7.54
4-12	1	2	.0125676	.0015239	.0018829	6.67	8.25	.0125326	.0014339	.0017479	7.17	8.74
4-12	1	3	.0109484	.0013370	.0016097	6.80	8.19	.0108404	.0012650	.0016017	6.77	8.57
4-12	2	1	.0119634	.0020081	.0027813	4.30	5.96	.0116314	.0017868	.0024493	4.75	6.51
4-12	2	2	.0106354	.0013701	.0016581	6.41	7.76	.0106004	.0012901	.0015231	6.96	8.28
4-12	2	3	.0104773	.0012956	.0014020	7.47	8.09	.0103693	.0012236	.0013940	7.44	8.47
4-12	3	1	.0082173	.0016282	.0026133	3.14	5.05	.0078853	.0014069	.0022813	3.46	5.60
4-12	3	2	.0067597	.0010134	.0014311	4.44	6.28	.0063247	.0009234	.0012961	4.88	6.85
4-12	3	3	.0068157	.0009091	.0011651	5.85	7.50	.0067077	.0008371	.0011571	5.80	8.01
4-12	4	1	.0061406	.0014696	.0023657	2.60	4.18	.0058086	.0012483	.0020337	2.86	4.65
4-12	4	2	.0053032	.0007982	.0012928	4.10	6.64	.0052682	.0007082	.0011578	4.55	7.44
4-12	4	3	.0052943	.0006886	.0010581	5.00	7.71	.0051863	.0006146	.0010501	4.94	8.44
4-12	5	1	.0088988	.0017056	.0024315	3.66	5.22	.0085668	.0014843	.0020995	4.08	5.77
4-12	5	2	.00117202	.0011573	.0013539	8.66	0.1*	.00116852	.0010673	.0012189	9.59	0.9*
4-12	5	3	.00112532	.0009027	.0011245	0.0*	2.4*	.00111452	.0008307	.0011165	9.98	3.4*
4-12	6	1	.0098418	.0016458	.0027040	3.64	5.98	.0095098	.0014245	.0023720	4.01	6.68
4-12	6	2	.0120762	.0011000	.0015249	7.92	0.9*	.0120412	.0010100	.0013899	8.66	1.9*
4-12	6	3	.0147241	.0012807	.0013977	0.5*	1.5*	.0146161	.0012087	.0013897	0.5*	2.0*
4-12	7	1	.0034566	.0010961	.0019535	1.77	3.27	.0031246	.0008348	.0016215	1.93	3.74
4-12	7	2	.0024890	.0004885	.0009929	2.51	5.13	.0024540	.0003955	.0008579	2.86	6.20

STA NO	BOT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-12	7	3	.0022191	.0004711	.0008157	2.72	4.71	.0021111	.0003991	.0008077	2.61	5.29
4-12	8	1	.0029747	.0010314	.0020871	1.43	2.88	.0026427	.0008101	.0017551	1.51	3.26
4-12	8	2	.0018759	.0004942	.0011561	1.62	3.80	.0018409	.0004042	.0010211	1.80	4.55
4-12	8	3	.0016749	.0003533	.0009264	1.81	4.74	.0015669	.0002813	.0009184	1.71	5.57
4-12	9	1	.0039407	.0012214	.0021676	1.32	3.23	.0036087	.0010001	.0018356	1.97	3.61
4-12	9	2	.0025507	.0005183	.0010924	2.33	4.92	.0025157	.0004288	.0009574	2.63	5.87
4-12	9	3	.0021377	.0003409	.0008740	2.45	6.27	.0020297	.0002639	.0008660	2.34	7.55
4-12	10	1	.0031499	.0010660	.0019983	1.58	2.95	.0028179	.0008447	.0016663	1.69	3.34
4-12	10	2	.0019620	.0004424	.0009397	2.09	4.43	.0019270	.0003524	.0008047	2.39	5.47
4-12	10	3	.0017189	.0003433	.0007917	2.17	5.01	.0016109	.0002713	.0007837	2.06	5.94
4-12	11	1	.0045071	.0012345	.0021390	2.11	3.65	.0041751	.0010132	.0018070	2.31	4.12
4-12	11	2	.0040155	.0005837	.0011175	3.59	6.88	.0039805	.0004937	.0009825	4.05	8.06
4-12	11	3	.0040447	.0004644	.0009463	4.27	8.71	.0039367	.0003924	.0009383	4.20	0.0*
4-12	12	1	.0058038	.0013751	.0022951	2.53	4.22	.0054718	.0011538	.0019631	2.79	4.74
4-12	12	2	.0047668	.0006732	.0011806	4.04	7.08	.0047318	.0005832	.0010456	4.53	8.11
4-12	12	3	.0050489	.0006770	.0010153	4.97	7.46	.0049409	.0006950	.0010073	4.90	8.17
4-12	13	1	.0053824	.0012279	.0021558	2.50	4.39	.0050504	.0010057	.0018238	2.77	5.02
4-12	13	2	.0046577	.0006837	.0011753	3.96	6.81	.0046227	.0005937	.0010403	4.44	7.79
4-12	13	3	.0047702	.0006409	.0010431	4.57	7.44	.0046622	.0005689	.0010351	4.50	8.20
4-12	14	1	.0043466	.0011688	.0020957	2.07	3.73	.0040146	.0009455	.0017637	2.28	4.25
4-12	14	2	.0028238	.0005766	.0010572	2.67	4.90	.0027888	.0004866	.0009222	3.02	5.73
4-12	14	3	.0031157	.0005418	.0009077	3.43	5.75	.0030077	.0004698	.0008957	3.34	6.40
4-12	15	1	.0053799	.0013540	.0022206	2.42	3.97	.0050479	.0011327	.0018886	2.67	4.46
4-12	15	2	.0041712	.0007355	.0011528	3.62	5.67	.0041362	.0006455	.0010178	4.06	6.41
4-12	15	3	.0041987	.0005889	.0008305	5.06	7.13	.0040907	.0005169	.0008225	4.97	7.91
4-12	16	1	.0032552	.0011001	.0019780	1.65	2.96	.0029232	.0008788	.0016460	1.78	3.33
4-12	16	2	.0024105	.0004621	.0009616	2.51	5.22	.0023756	.0003721	.0008266	2.87	6.38
4-12	16	3	.0025439	.0004644	.0007549	3.37	5.48	.0024359	.0003924	.0007469	3.26	6.21
4-12	17	1	.0033443	.0010646	.0020763	1.61	3.14	.0030128	.0008433	.0017443	1.73	3.57
4-12	17	2	.0023406	.0004567	.0010215	2.29	5.13	.0023056	.0003667	.0008865	2.60	6.29
4-12	17	3	.0020691	.0004303	.0008348	2.48	4.81	.0019611	.0003583	.0008268	2.37	5.47
4-12	18	1	.0041275	.0011441	.0019953	2.07	3.61	.0037955	.0009228	.0016633	2.28	4.11
4-12	18	2	.0027327	.0005841	.0010757	2.54	4.68	.0026977	.0004941	.0009407	2.87	5.46
4-12	18	3	.0026664	.0004711	.0008887	3.00	5.66	.0025584	.0003991	.0008807	2.90	6.41
4-12	19	1	.0035993	.0011513	.0021767	1.65	3.13	.0032673	.0009300	.0018447	1.77	3.51
4-12	19	2	.0022362	.0004903	.0011327	1.97	4.56	.0022012	.0004003	.0009977	2.21	5.50
4-12	19	3	.0021838	.0004179	.0008928	2.45	5.23	.0020758	.0003459	.0008848	2.35	6.00
4-12	20	1	.0029949	.0010578	.0020202	1.48	2.83	.0026629	.0008365	.0016882	1.58	3.18
4-12	20	2	.0022036	.0004424	.0010534	2.09	4.98	.0021686	.0003524	.0009184	2.36	6.15
4-12	20	3	.0020082	.0003947	.0008463	2.37	5.09	.0019002	.0003227	.0008383	2.27	5.89
4-13	1	1	.0098484	.0018627	.0025880	3.81	5.29	.0095164	.0016414	.0022560	4.22	5.80
4-13	1	2	.0076970	.0010901	.0016046	4.80	7.06	.0076620	.0010001	.0014696	5.21	7.66
4-13	1	3	.0082440	.0010437	.0014338	5.75	7.90	.0081360	.0009717	.0014258	5.71	8.37
4-13	2	1	.0113326	.0018208	.0027560	4.11	6.22	.0110006	.0015995	.0024240	4.54	6.88
4-13	2	2	.0089119	.0012891	.0017444	5.11	6.91	.0088769	.0011991	.0016094	5.52	7.40
4-13	2	3	.0080574	.0011428	.0016448	4.90	7.05	.0079494	.0010708	.0016368	4.86	7.42
4-13	3	1	.0060488	.0015149	.0020640	2.29	3.99	.0057168	.0012936	.0023120	2.47	4.42
4-13	3	2	.0055842	.0009345	.0015540	3.59	5.98	.0055492	.0008445	.0014190	3.91	6.57
4-13	3	3	.0052789	.0009726	.0014160	3.73	5.43	.0051709	.0009006	.0014080	3.67	5.74
4-13	4	1	.0042061	.0011003	.0022638	1.91	3.82	.0038741	.0008790	.0018718	2.07	4.41

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	R(45)	B(90)	B(135)	45 135	45 90
4-13	4	2	.0030837	.0004795	.0012495	2.48	5.43	.0030487	.0003995	.0011100	2.75	7.83
4-13	4	3	.0030139	.0004441	.0010543	2.86	6.79	.0029059	.0003721	.0010463	2.78	7.81
4-13	5	1	.0047444	.0012303	.0022826	2.08	3.86	.0044124	.0010090	.0019900	2.26	4.37
4-13	5	2	.0036910	.0006061	.0012617	2.93	6.09	.0036560	.0005161	.0011267	3.24	7.08
4-13	5	3	.0035140	.0005200	.0011670	3.01	6.76	.0034060	.0004480	.0011590	2.94	7.60
4-13	6	1	.0071896	.0013811	.0024759	2.90	5.21	.0068576	.0011598	.0021439	3.20	5.91
4-13	6	2	.0071593	.0009123	.0014525	4.92	7.84	.0071153	.0008223	.0013179	5.40	8.65
4-13	6	3	.0076641	.0008746	.0012802	5.99	8.76	.0075561	.0008026	.0012722	5.94	9.41
4-13	7	1	.0038753	.0011317	.0021693	1.79	3.42	.0035433	.0009104	.0018373	1.93	3.89
4-13	7	2	.0027604	.0005373	.0011329	2.44	5.14	.0027254	.0004473	.0009979	2.73	6.09
4-13	7	3	.0027589	.0004429	.0009997	2.76	6.23	.0026509	.0003709	.0009917	2.67	7.15
4-13	8	1	.0033100	.0010904	.0020961	1.58	3.04	.0029780	.0008691	.0017641	1.69	3.43
4-13	8	2	.0021281	.0004623	.0010389	2.05	4.60	.0020931	.0003723	.0009039	2.32	5.62
4-13	8	3	.0019461	.0003936	.0009345	2.08	4.94	.0018381	.0003216	.0009265	1.98	5.72
4-13	9	1	.0034907	.0011495	.0021243	1.64	3.04	.0031587	.0009282	.0017927	1.76	3.40
4-13	9	2	.0023192	.0004599	.0010529	2.20	5.05	.0022842	.0003688	.0009179	2.49	6.19
4-13	9	3	.0022032	.0003909	.0008302	2.65	5.63	.0020922	.0003189	.0008222	2.54	6.56
4-13	10	1	.0042438	.0012143	.0024394	1.74	3.49	.0039118	.0009930	.0021074	1.86	3.94
4-13	10	2	.0030103	.0005635	.0012553	2.40	5.29	.0029753	.0004785	.0011203	2.66	6.22
4-13	10	3	.0030897	.0005094	.0011034	2.80	6.07	.0029817	.0004374	.0010954	2.72	6.82
4-14	1	1	.0103454	.0019414	.0032450	3.19	5.33	.0100134	.0017201	.0029130	3.44	5.82
4-14	1	2	.0061528	.0012870	.0019285	4.23	6.33	.0081178	.0011970	.0017935	4.53	6.78
4-14	1	3	.0091859	.0011346	.0016354	5.62	8.10	.0090779	.0010626	.0016274	5.58	8.54
4-14	2	1	.0098579	.0018180	.0030807	3.20	5.42	.0095259	.0015967	.0027437	3.47	5.97
4-14	2	2	.0071079	.0009857	.0017953	3.96	7.26	.0070729	.0008967	.0016803	4.26	7.89
4-14	2	3	.0069892	.0003943	.0014959	4.67	7.03	.0068812	.0009229	.0014879	4.62	7.46
4-14	3	1	.0080694	.0017162	.0028879	2.79	4.70	.0077374	.0014949	.0025559	3.03	5.18
4-14	3	2	.0063630	.0010120	.0018093	3.52	6.29	.0063280	.0009220	.0016747	3.78	6.86
4-14	3	3	.0059796	.0008698	.0014344	4.17	6.88	.0058716	.0007978	.0014264	4.12	7.36
4-14	4	1	.0067294	.0014428	.0026728	2.52	4.66	.0063974	.0012215	.0023408	2.73	5.24
4-14	4	2	.0063523	.0009173	.0017256	3.68	6.92	.0063173	.0008273	.0015908	3.97	7.64
4-14	4	3	.0060514	.0008678	.0016752	3.70	6.97	.0059434	.0007958	.0016272	3.65	7.47
4-14	5	1	.0063085	.0015648	.0027678	2.28	4.03	.0059765	.0013435	.0024358	2.45	4.45
4-14	5	2	.0055721	.0007939	.0015179	3.67	6.98	.0055371	.0007089	.0013829	4.00	7.81
4-14	5	3	.0057707	.0006713	.0012999	4.44	8.60	.0056627	.0005993	.0012919	4.38	9.45
4-14	6	1	.0104927	.0014027	.0031683	3.31	5.82	.0101607	.0015814	.0028368	3.58	6.43
4-14	6	2	.0112285	.0012870	.0019473	5.77	8.72	.0111935	.0011970	.0018123	6.18	9.35
4-14	6	3	.0127551	.0013053	.0017074	7.47	9.76	.0126471	.0012343	.0016994	7.44	0.2*
4-14	7	1	.0037934	.0011654	.0023493	1.61	3.26	.0034614	.0009441	.0020173	1.72	3.67
4-14	7	2	.0026994	.0005326	.0012540	2.15	5.07	.0026644	.0004426	.0011190	2.38	6.02
4-14	7	3	.0024656	.0004198	.0010692	2.31	5.87	.0023576	.0003478	.0010618	2.22	6.78
4-14	8	1	.0036201	.0012618	.0023350	1.56	3.01	.0032881	.0009805	.0020030	1.64	3.35
4-14	8	2	.0027229	.0005193	.0012649	2.19	5.24	.0026879	.0004293	.0011289	2.38	6.26
4-14	8	3	.0025977	.0005123	.0011735	2.21	5.07	.0024997	.0004403	.0011659	2.14	5.66
4-14	9	1	.0041155	.0012091	.0023100	1.78	3.43	.0037835	.0009788	.0019780	1.91	3.87
4-14	9	2	.0031439	.0005720	.0013264	2.37	5.50	.0031089	.0004920	.0011914	2.61	6.45
4-14	9	3	.0028465	.0005043	.0011442	2.49	5.64	.0027385	.0004323	.0011362	2.41	6.34
4-14	10	1	.0033137	.0011001	.0022499	1.47	3.01	.0029817	.0008788	.0019179	1.55	3.39
4-14	10	2	.0024742	.0004697	.0011828	2.09	5.27	.0024392	.0003797	.0010478	2.33	6.42
4-14	10	3	.0021507	.0003994	.0009723	2.21	5.51	.0020427	.0003184	.0009643	2.12	6.42

STA NO	BOT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			3(45)	3(90)	3(135)	45 135	45 90	3(45)	3(90)	3(135)	45 135	45 90
4-14	11	1	.0224677	.0032123	.0034841	6.45	6.99	.0221357	.0029910	.0031521	7.02	7.40
4-14	11	2	.0235748	.0017907	.0025061	1.4*	5.9*	.0285398	.0017907	.0023711	2.0*	6.7*
4-14	11	3	.0293566	.0014087	.0023096	2.7*	9.8*	.0292486	.0013367	.0023016	2.7*	1.8*
4-14	12	1	.0083417	.0015784	.0026436	3.10	5.28	.0080097	.0013571	.0023116	3.46	5.90
4-14	12	2	.0072345	.0009320	.0014547	4.97	7.76	.0071995	.0008420	.0013197	5.46	8.55
4-14	12	3	.0177442	.0007745	.0012841	6.03	9.0*	.0076362	.0007025	.0012761	5.98	8.8*
4-14	13	1	.0055456	.0013010	.0025177	2.20	4.10	.0052136	.0011297	.0021857	2.39	4.61
4-14	13	2	.0051759	.0006435	.0015245	3.24	8.04	.0051408	.0005535	.0013895	3.70	9.29
4-14	13	3	.0053984	.0006084	.0012739	4.17	8.72	.0052004	.0005364	.0012659	4.11	9.69
4-14	14	1	.0029119	.0010639	.0021436	1.36	2.74	.0025799	.0008426	.0018116	1.42	3.06
4-14	14	2	.0018829	.0004290	.0012544	1.50	4.39	.0018479	.0003390	.0011194	1.65	5.45
4-14	14	3	.0017203	.0003890	.0011023	1.56	4.42	.0016123	.0003170	.0010943	1.47	5.09
4-14	15	1	.0099743	.0017732	.0027451	3.63	5.62	.0096423	.0015519	.0024131	4.00	6.21
4-14	15	2	.0137298	.0006612	.0016077	8.54	9.7*	.0136948	.0005712	.0014727	9.30	3.9*
4-14	15	3	.0146349	.0009969	.0015117	9.69	4.6*	.0145268	.0009249	.0015037	9.66	5.7*
4-14	16	1	.0040952	.0011822	.0021781	1.88	3.46	.0037632	.0009609	.0018461	2.04	3.92
4-14	16	2	.0024953	.0004857	.0011569	2.16	5.13	.0024603	.0003967	.0010219	2.41	6.20
4-14	16	3	.0029423	.0004202	.0008857	2.31	4.86	.0019348	.0003482	.0008777	2.20	5.56
4-14	17	1	.0046857	.0255151	.0483949	.10	.18	.0043537	.0253938	.0480629	.09	.17
4-14	17	2	.0025419	.0005393	.0011398	2.23	4.71	.0025069	.0004493	.0010048	2.49	5.58
4-14	17	3	.0022162	.0004202	.0009863	2.24	5.26	.0021022	.0003482	.0009783	2.15	6.04
4-14	18	1	.0044456	.0012133	.0021845	2.94	3.66	.0041136	.0009920	.0018529	2.22	4.15
4-14	18	2	.0024389	.0005664	.0011843	2.06	4.81	.0024030	.0004164	.0010493	2.29	5.77
4-14	18	3	.0023659	.0004109	.0009545	2.48	5.77	.0022579	.0003390	.0009465	2.39	6.68
4-14	19	1	.0045525	.0012048	.0022703	2.01	3.78	.0042205	.0009835	.0019383	2.18	4.29
4-14	19	2	.0039707	.0005372	.0011148	2.75	5.72	.0036357	.0004472	.0009798	3.10	6.79
4-14	19	3	.0029173	.0004804	.0010517	2.77	6.07	.0028093	.0004084	.0010437	2.69	6.88
4-14	20	1	.0037205	.0012099	.0022607	1.65	3.08	.0033885	.0009877	.0019287	1.76	3.43
4-14	20	2	.0021514	.0004556	.0011019	1.95	4.72	.0021164	.0003656	.0009669	2.19	5.79
4-14	20	3	.0018466	.0004068	.0010281	1.80	4.54	.0017386	.0003348	.0010201	1.70	5.19
4-15	1	1	.0020033	.0014977	.0024863	3.22	5.38	.0076713	.0012664	.0021543	3.56	6.06
4-15	1	2	.0072746	.0008580	.0013784	5.28	8.48	.0072396	.0007680	.0012434	5.82	9.43
4-15	1	3	.0059351	.0007714	.0012929	4.59	7.69	.0058271	.0006994	.0012849	4.54	8.33
4-15	2	1	.0077239	.0014426	.0024280	3.18	5.35	.0073919	.0012213	.0020960	3.53	6.05
4-15	2	2	.0073740	.0009162	.0014534	5.07	8.05	.0073390	.0008262	.0013184	5.57	8.88
4-15	2	3	.0062793	.0008565	.0013194	4.76	7.25	.0061713	.0007945	.0013114	4.71	7.77
4-15	3	1	.0061091	.0012645	.0023335	2.62	4.83	.0057771	.0010432	.0020015	2.89	5.54
4-15	3	2	.0047762	.0006891	.0013054	3.66	6.93	.0047412	.0005991	.0011704	4.05	7.91
4-15	3	3	.0047587	.0006637	.0010871	4.38	7.17	.0046507	.0005917	.0010791	4.31	7.86
4-15	4	1	.0040997	.0011451	.0018079	2.27	3.58	.0037677	.0009238	.0014759	2.55	4.08
4-15	4	2	.0031641	.0005278	.0011228	2.82	5.99	.0031291	.0004378	.0009878	3.17	7.15
4-15	4	3	.0029482	.0004030	.0010653	2.77	7.32	.0028402	.0003310	.0010573	2.69	8.58
4-15	5	1	.0054269	.0012623	.0022397	2.42	4.30	.0050949	.0010410	.0019077	2.67	4.89
4-15	5	2	.0057564	.0008047	.0012028	4.79	7.15	.0057214	.0007147	.0010678	5.36	8.01
4-15	5	3	.0054086	.0005844	.0010449	5.18	9.25	.0053006	.0005124	.0010369	5.11	8.3*
4-15	6	1	.0050254	.0012209	.0021748	2.31	4.12	.0046934	.0009996	.0018428	2.55	4.70
4-15	6	2	.0039335	.0006330	.0011959	3.21	6.06	.0037985	.0005430	.0010608	3.58	7.00
4-15	6	3	.0040934	.0005529	.0010395	3.94	7.40	.0039858	.0004809	.0010305	3.87	8.29
4-15	7	1	.0046214	.0012590	.0022973	2.91	3.67	.0042894	.0010377	.0019653	2.18	4.13
4-15	7	2	.0039907	.0006499	.0011415	3.41	6.00	.0038557	.0005589	.0010065	3.83	6.90

STA NO	BCT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-15	7	3	.0035698	.0005255	.0011695	3.05	6.79	.0034618	.0004535	.0011615	2.98	7.63
4-15	8	1	.0035985	.0011083	.0024717	1.46	3.25	.0032665	.0008870	.0021397	1.53	3.68
4-15	8	2	.0023075	.0004942	.0013915	1.66	4.67	.0022725	.0004042	.0012565	1.81	5.62
4-15	8	3	.0021897	.0003658	.0012212	1.79	5.99	.0020817	.0002938	.0012132	1.72	7.09
4-15	9	1	.0035384	.0010639	.0022707	1.56	3.33	.0032064	.0003426	.0019387	1.65	3.81
4-15	9	2	.0021887	.0004283	.0012072	1.81	5.11	.0021537	.0003383	.0010722	2.01	6.37
4-15	9	3	.0022178	.0003689	.0009906	2.24	6.01	.0021098	.0002969	.0009826	2.15	7.11
4-15	10	1	.0031365	.0010196	.0021505	1.46	3.08	.0028045	.0007983	.0018185	1.54	3.51
4-15	10	2	.0018431	.0003894	.0010870	1.70	4.73	.0018081	.0002994	.0009520	1.90	6.04
4-15	10	3	.0017303	.0003658	.0010523	1.64	4.73	.0016223	.0002938	.0010443	1.55	5.52
4-15	11	1	.0059127	.0013517	.0025085	2.00	3.71	.0046807	.0011304	.0021765	2.15	4.14
4-15	11	2	.0045465	.0006057	.0012818	3.55	7.51	.0045115	.0005157	.0011468	3.93	8.75
4-15	11	3	.0044314	.0004985	.0011648	3.80	8.89	.0043234	.0004265	.0011568	3.74	0.1*
4-15	12	1	.0040645	.0015959	.0026911	1.51	2.55	.0037325	.0013746	.0023591	1.58	2.72
4-15	12	2	.0043212	.0009627	.0015949	2.71	4.49	.0042862	.0008727	.0014599	2.94	4.91
4-15	12	3	.0081271	.0008414	.0012526	6.49	9.66	.0080191	.0007694	.0012446	6.44	0.4*
4-15	13	1	.0037278	.0015959	.0026362	1.41	2.34	.0033958	.0013746	.0023042	1.47	2.47
4-15	13	2	.0023489	.0008220	.0016959	1.38	2.86	.0023139	.0007320	.0015605	1.48	3.16
4-15	13	3	.0086805	.0007030	.0013010	6.67	2.3*	.0085725	.0006310	.0012930	6.63	3.5*
4-15	14	1	.0030985	.0010296	.0021443	1.44	3.01	.0027665	.0008083	.0018123	1.53	3.42
4-15	14	2	.0019704	.0004216	.0011332	1.74	4.67	.0019354	.0003316	.0009982	1.94	5.84
4-15	14	3	.0022704	.0003941	.0010181	2.23	5.76	.0021624	.0003221	.0010101	2.14	6.71
4-15	15	1	.0042851	.0011773	.0021030	2.04	3.64	.0039531	.0009560	.0017710	2.23	4.13
4-15	15	2	.0033054	.0005531	.0011424	2.89	5.98	.0032704	.0004631	.0010074	3.25	7.06
4-15	15	3	.0035160	.0004519	.0008833	3.98	7.78	.0034080	.0003799	.0008753	3.89	8.97
4-15	16	1	.0032323	.0010725	.0020736	1.56	3.01	.0029003	.0008512	.0017416	1.67	3.41
4-15	16	2	.0021651	.0004855	.0011011	1.97	4.46	.0021301	.0003955	.0009561	2.20	5.39
4-15	16	3	.0019803	.0004087	.0010637	1.86	4.85	.0018723	.0003367	.0010557	1.77	5.56
4-15	17	1	.0041366	.0012012	.0022360	1.85	3.44	.0038046	.0009799	.0019040	2.00	3.88
4-15	17	2	.0035939	.0009284	.0013145	2.73	3.87	.0035589	.0008384	.0011795	3.02	4.25
4-15	17	3	.0030268	.0005524	.0011321	2.67	5.48	.0029188	.0004804	.0011241	2.60	6.08
4-15	18	1	.0041542	.0011526	.0021118	1.97	3.60	.0038222	.0009313	.0017798	2.15	4.10
4-15	18	2	.0026941	.0005354	.0011565	2.33	5.03	.0026591	.0004454	.0010215	2.60	5.97
4-15	18	3	.0026277	.0004327	.0009473	2.77	6.07	.0025197	.0003607	.0009393	2.68	6.99
4-15	19	1	.0053596	.0014355	.0024419	2.19	3.73	.0050276	.0012142	.0021099	2.38	4.14
4-15	19	2	.0043247	.0008402	.0013149	3.29	5.15	.0042897	.0007502	.0011799	3.64	5.72
4-15	19	3	.0047222	.0008239	.0011696	4.04	5.73	.0046142	.0007519	.0011616	3.97	6.14
4-15	20	1	.0071014	.0015621	.0022789	3.12	4.55	.0067694	.0013408	.0019469	3.48	5.05
4-15	20	2	.0053026	.0008989	.0014221	3.73	5.90	.0052676	.0008089	.0012871	4.09	6.51
4-15	20	3	.0057173	.0009897	.0012953	4.41	5.78	.0056093	.0009177	.0012873	4.36	6.11
4-16	1	1	.0093800	.0019062	.0027940	3.36	4.92	.0090480	.0016849	.0024620	3.68	5.37
4-16	1	2	.0069232	.0011488	.0017202	4.02	6.03	.0068882	.0010588	.0015852	4.35	6.51
4-16	1	3	.0073902	.0011383	.0013622	5.43	6.49	.0072822	.0010663	.0013542	5.38	6.83
4-16	2	1	.0075906	.0018314	.0027770	2.73	4.14	.0072586	.0016101	.0024450	2.97	4.51
4-16	2	2	.0080176	.0012237	.0015334	5.23	6.95	.0079826	.0011337	.0013984	5.71	7.04
4-16	2	3	.0061855	.0007646	.0012256	5.05	8.09	.0060775	.0006926	.0012176	4.99	8.78
4-16	3	1	.0082880	.0015779	.0024066	3.44	5.25	.0079560	.0013566	.0020746	3.83	5.86
4-16	3	2	.0076361	.0008726	.0014768	5.17	9.75	.0076011	.0007826	.0013418	5.66	9.71
4-16	3	3	.0083553	.0009056	.0012643	6.61	9.23	.0082473	.0008336	.0012563	6.56	9.89
4-16	4	1	.0073317	.0014564	.0024204	3.03	5.03	.0069997	.0012351	.0020884	3.35	5.67

STA NO	BOT NO	LAMDA	WATER + PARTICLES					PARTICLES				
			9(45)	8(90)	8(135)	45 135	45 90	8(45)	8(90)	8(135)	45 135	45 90
4-16	4	2	.0075155	.0008440	.0013590	5.53	8.91	.0074805	.0007540	.0012240	6.11	9.92
4-16	4	3	.0079314	.0007369	.0012002	6.61	0.7*	.0078234	.0006649	.0011922	6.56	1.7*
4-16	5	1	.0088381	.0015959	.0024758	3.57	5.54	.0085061	.0013746	.0021438	3.97	6.19
4-16	5	2	.0110004	.0009162	.0012823	8.58	2.0*	.0109654	.0008262	.0011473	9.56	3.2*
4-16	5	3	.0100531	.0003474	.0013840	7.26	1.8*	.0099451	.0007754	.0013760	7.23	2.8*
4-16	6	1	.0101084	.0016680	.0026819	3.77	6.06	.0097764	.0014467	.0023499	4.16	6.76
4-16	6	2	.0091350	.0009950	.0015042	6.07	9.18	.0091000	.0009050	.0013692	6.65	0.0*
4-16	6	3	.0092547	.0008286	.0013367	6.92	1.1*	.0091467	.0007566	.0013287	6.88	2.0*
4-16	7	1	.0048114	.0012209	.0022829	2.11	3.94	.0044794	.0009996	.0019509	2.30	4.48
4-16	7	2	.0040796	.0005609	.0012203	3.34	7.27	.0040446	.0004709	.0010853	3.73	8.59
4-16	7	3	.0038951	.0005022	.0010032	3.88	7.76	.0037871	.0004302	.0009952	3.81	8.80
4-16	8	1	.0031220	.0010369	.0021551	1.45	3.01	.0027900	.0008156	.0018231	1.53	3.42
4-16	8	2	.0029279	.0003394	.0010760	1.88	5.08	.0019929	.0003094	.0009410	2.12	6.44
4-16	8	3	.0019278	.0003338	.0009079	2.12	5.77	.0018198	.0002618	.0008999	2.02	6.95
4-16	9	1	.0038166	.0011337	.0021541	1.77	3.37	.0034846	.0009124	.0018221	1.91	3.82
4-16	9	2	.0028057	.0005023	.0010768	2.61	5.59	.0027707	.0004123	.0009418	2.94	6.72
4-16	9	3	.0028952	.0003711	.0009298	3.11	7.80	.0027872	.0002991	.0009218	3.02	9.32
4-16	10	1	.0029721	.0010296	.0020180	1.47	2.89	.0026401	.0008083	.0016860	1.57	3.27
4-16	10	2	.0020259	.0004597	.0012227	1.66	4.41	.0019909	.0003697	.0010877	1.83	5.39
4-16	10	3	.0019205	.0004035	.0008521	2.25	4.76	.0018125	.0003315	.0008441	2.15	5.47
4-16	11	1	.0093702	.0017006	.0025428	3.68	5.51	.0090382	.0014793	.0022108	4.09	6.11
4-16	11	2	.0093782	.0008440	.0013527	6.93	1.1*	.0093432	.0007540	.0021277	7.67	2.3*
4-16	11	3	.0097373	.0008738	.0012609	7.72	1.0*	.0096293	.0008068	.0012529	7.69	1.9*
4-16	12	1	.0049730	.0011969	.0021485	2.31	4.15	.0046410	.0009756	.0018165	2.55	4.76
4-16	12	2	.0037625	.0005106	.0010925	3.44	7.37	.0037275	.0004206	.0009575	3.89	8.86
4-16	12	3	.0038311	.0005059	.0009176	4.18	7.57	.0037231	.0004339	.0009096	4.09	8.58
4-16	13	1	.0057011	.0012645	.0023157	2.46	4.51	.0053691	.0010432	.0019837	2.71	5.15
4-16	13	2	.0044556	.0005354	.0011840	3.76	8.32	.0044206	.0004454	.0010490	4.21	9.92
4-16	13	3	.0061175	.0006010	.0009616	6.36	0.1*	.0060095	.0005290	.0009536	6.30	1.3*
4-16	14	1	.0032878	.0010639	.0020409	1.61	3.09	.0029558	.0008426	.0017089	1.73	3.51
4-16	14	2	.0019245	.0004220	.0011200	1.72	4.56	.0018895	.0003320	.0009850	1.92	5.69
4-16	14	3	.0020955	.0003632	.0008454	2.48	5.77	.0019875	.0002912	.0008374	2.37	6.83
4-16	15	1	.0106274	.0018619	.0029499	3.60	5.71	.0102954	.0016406	.0026179	3.93	6.28
4-16	15	2	.0135335	.0011301	.0015647	8.65	1.9*	.0134985	.0010401	.0014297	9.44	2.9*
4-16	15	3	.0135362	.0009548	.0014009	9.66	4.1*	.0134282	.0008828	.0013929	9.64	5.2*
4-16	16	1	.0046161	.0011773	.0021903	2.11	3.92	.0042841	.0009560	.0018583	2.31	4.48
4-16	16	2	.0040602	.0006489	.0012342	3.29	6.26	.0040252	.0005589	.0010992	3.66	7.20
4-16	16	3	.0031773	.0005097	.0009504	3.34	6.23	.0030693	.0004377	.0009424	3.26	7.01
4-16	17	1	.0042120	.0011773	.0022723	1.85	3.58	.0038800	.0009560	.0019403	2.00	4.06
4-16	17	2	.0028896	.0005064	.0011800	2.45	5.71	.0028546	.0004164	.0010450	2.73	6.86
4-16	18	1	.0038756	.0011154	.0020492	1.89	3.47	.0035436	.0008941	.0017172	2.06	3.96
4-16	18	2	.0022944	.0005023	.0010642	2.16	4.57	.0022594	.0004123	.0009292	2.43	5.48
4-16	18	3	.0022937	.0003658	.0009377	2.45	6.27	.0021857	.0002938	.0009297	2.35	7.44
4-16	19	1	.0042134	.0011583	.0021675	1.94	3.64	.0038814	.0009370	.0018359	2.11	4.14
4-16	19	2	.0026093	.0005860	.0011802	2.21	4.45	.0025748	.0004960	.0010452	2.46	5.19
4-16	19	3	.0030118	.0004735	.0009331	3.23	6.36	.0029038	.0004015	.0009251	3.14	7.23
4-16	20	1	.0045671	.0011337	.0021256	2.15	4.03	.0042351	.0009124	.0017936	2.36	4.64
4-16	20	2	.0021828	.0005064	.0011102	1.97	4.31	.0021478	.0004164	.0009752	2.20	5.16
4-16	20	3	.0019379	.0003684	.0008648	2.24	5.25	.0018299	.0002964	.0008568	2.14	6.17
4-17	1	1	.0067628	.0013880	.0023423	2.89	4.87	.0064308	.0011667	.0020103	3.20	5.51

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-17	1	2	.0056727	.0007676	.0019332	2.93	7.39	.0056377	.0006776	.0017982	3.14	8.32
4-17	1	3	.0064604	.0008342	.0011023	5.36	7.74	.0063524	.0007622	.0010943	5.80	8.33
4-17	2	1	.0091691	.0014932	.0024746	3.30	5.47	.0078361	.0012719	.0021426	3.66	6.16
4-17	2	2	.0064067	.0008786	.0013691	4.68	7.29	.0063717	.0007886	.0012341	5.16	8.08
4-17	2	3	.0069783	.0008103	.0011855	5.89	8.61	.0068703	.0007383	.0011775	5.83	9.31
4-17	3	1	.0146699	.0024028	.0032300	4.54	6.11	.0143379	.0021815	.0028980	4.95	6.57
4-17	3	2	.0129770	.0019095	.0021269	6.05	6.74	.0126420	.0018195	.0019919	6.45	7.06
4-17	3	3	.0129831	.0015969	.0020019	6.49	8.13	.0128751	.0015249	.0019939	6.46	8.44
4-17	4	1	.0102099	.0022274	.0028409	3.59	4.58	.0098779	.0020061	.0025089	3.94	4.92
4-17	4	2	.0091232	.0015478	.0018164	5.02	5.89	.0090882	.0014578	.0016814	5.41	6.23
4-17	4	3	.0101185	.0014563	.0015360	6.59	6.95	.0100105	.0013843	.0015280	6.55	7.23
4-17	5	1	.0116052	.0023124	.0031776	3.65	5.02	.0112732	.0020911	.0028456	3.96	5.39
4-17	5	2	.0106549	.0017269	.0019107	5.58	6.17	.0106199	.0016369	.0017757	5.98	6.49
4-17	5	3	.0108558	.0015511	.0015689	6.92	7.00	.0107478	.0014791	.0015609	6.89	7.27
4-17	6	1	.0049994	.0012497	.0021293	2.35	4.00	.0046674	.0010284	.0017973	2.60	4.54
4-17	6	2	.0041449	.0006425	.0011623	3.57	6.45	.0041099	.0005525	.0010273	4.00	7.44
4-17	6	3	.0033930	.0005283	.0010087	3.36	6.42	.0032850	.0004563	.0010007	3.28	7.20
4-17	7	1	.0044146	.0010714	.0020693	2.13	4.12	.0040828	.0008501	.0017373	2.35	4.80
4-17	7	2	.0033185	.0005173	.0010981	3.02	6.41	.0032835	.0004273	.0009631	3.41	7.68
4-17	7	3	.0028729	.0003993	.0009139	3.14	7.20	.0027649	.0003273	.0009059	3.05	8.45
4-17	8	1	.0052492	.0013667	.0021665	2.42	3.84	.0049172	.0011454	.0018345	2.68	4.29
4-17	8	2	.0036049	.0006787	.0011723	3.08	5.31	.0035699	.0005887	.0010373	3.44	6.06
4-17	8	3	.0036256	.0005933	.0009991	3.78	7.12	.0035176	.0004373	.0009511	3.70	8.04
4-17	9	1	.0050170	.0012307	.0021573	2.33	4.08	.0046850	.0010094	.0018253	2.57	4.64
4-17	9	2	.0036658	.0007201	.0012332	2.97	5.09	.0036308	.0006301	.0010982	3.31	5.76
4-17	9	3	.0037258	.0005959	.0011698	3.18	6.25	.0036178	.0005239	.0011618	3.11	6.91
4-17	10	1	.0050958	.0012072	.0021581	2.36	4.22	.0047638	.0009859	.0018261	2.61	4.83
4-17	10	2	.0031501	.0005011	.0011278	2.79	6.29	.0031151	.0004111	.0009926	3.14	7.58
4-17	10	3	.0028962	.0004597	.0009790	2.96	6.30	.0027882	.0003877	.0009710	2.87	7.19
4-17	11	1	.0061236	.0013664	.0023412	2.62	4.48	.0057916	.0011451	.0020092	2.88	5.06
4-17	11	2	.0051434	.0006487	.0011975	4.30	7.93	.0051084	.0005587	.0010625	4.81	9.14
4-17	11	3	.0050893	.0006206	.0010713	4.75	8.20	.0049903	.0005486	.0010633	4.68	9.08
4-17	12	1	.0045655	.0012123	.0020763	2.20	3.77	.0042335	.0009910	.0017443	2.43	4.27
4-17	12	2	.0038594	.0006787	.0011310	3.41	5.69	.0038244	.0005887	.0009900	3.84	6.50
4-17	12	3	.0030169	.0005209	.0009293	3.89	6.95	.0035089	.0004485	.0009213	3.81	7.82
4-17	13	1	.0040587	.0011398	.0020695	1.96	3.56	.0037267	.0009185	.0017375	2.14	4.06
4-17	13	2	.0033403	.0004607	.0009971	3.35	7.25	.0033053	.0003707	.0008621	3.83	8.92
4-17	13	3	.0029875	.0005057	.0008877	3.37	5.91	.0028795	.0004337	.0008797	3.27	6.64
4-17	14	1	.0039272	.0011902	.0021376	1.84	3.30	.0035952	.0009689	.0018056	1.99	3.71
4-17	14	2	.0027222	.0005380	.0010983	2.48	5.06	.0026872	.0004480	.0009633	2.79	6.00
4-17	14	3	.0024061	.0004664	.0009242	2.60	5.16	.0022981	.0003944	.0009162	2.51	5.83
4-17	15	1	.0049239	.0012570	.0022433	2.19	3.92	.0045919	.0010357	.0019113	2.40	4.43
4-17	15	2	.0042935	.0006272	.0011876	3.62	6.85	.0042585	.0005372	.0010526	4.05	7.93
4-17	15	3	.0039449	.0006206	.0011148	3.54	6.36	.0038369	.0005486	.0011068	3.47	6.99
4-17	16	1	.0045364	.0012630	.0020944	2.17	3.59	.0042044	.0010417	.0017624	2.39	4.04
4-17	16	2	.0033546	.0005545	.0010995	3.05	6.05	.0033196	.0004645	.0009645	3.44	7.15
4-17	16	3	.0027831	.0005167	.0009173	3.03	5.39	.0026751	.0004447	.0009093	2.94	6.01
4-17	17	1	.0039642	.0012214	.0021161	1.87	3.25	.0036322	.0010001	.0017841	2.04	3.63
4-17	17	2	.0027195	.0005011	.0010824	2.51	5.43	.0026845	.0004111	.0009474	2.83	6.53
4-17	17	3	.0027043	.00159080	.0008914	3.03	.17	.0025963	.0158360	.0008834	2.94	.16

STA NO	BOT NO	LAMBDA	WATER + PARTICLES						PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	R(45)	B(90)	B(135)	45 135	45 90	
4-17	18	1	.0051015	.0013045	.0022634	2.25	3.91	.0047695	.0010832	.0019314	2.47	4.40	
4-17	18	2	.0041352	.0009762	.0014178	2.92	4.24	.0041002	.0008862	.0012828	3.20	4.63	
4-17	18	3	.0043083	.0007684	.0010657	4.04	5.61	.0042003	.0006964	.0010577	3.97	6.03	
4-17	19	1	.0036665	.0011738	.0020671	1.77	3.12	.0033345	.0009525	.0017351	1.92	3.50	
4-17	19	2	.0032051	.0005501	.0010201	3.14	5.83	.0031701	.0004601	.0008851	3.58	6.89	
4-17	19	3	.0024953	.0005130	.0009209	2.71	4.86	.0023873	.0004410	.0009129	2.62	5.41	
4-17	20	1	.0038106	.0010886	.0020419	1.87	3.50	.0034786	.0008673	.0017099	2.03	4.01	
4-17	20	2	.0022259	.0004607	.0010703	2.08	4.83	.0021909	.0003707	.0009353	2.34	5.91	
4-17	20	3	.0021079	.0004367	.0009211	2.29	4.83	.0019999	.0003647	.0009131	2.19	5.48	
4-18	1	1	.0087825	.0015852	.0025885	3.39	5.54	.0084505	.0013639	.0022565	3.74	6.20	
4-18	1	2	.0068299	.0009993	.0014245	4.79	6.83	.0067949	.0009093	.0012895	5.27	7.47	
4-18	1	3	.0073785	.0009545	.0013952	5.29	7.73	.0072705	.0008825	.0013872	5.24	8.24	
4-18	2	1	.0071771	.0007014	.0009593	7.48	0.2*	.0068451	.0004801	.0006273	0.9*	4.2*	
4-18	2	2	.0058200	.0008655	.0013059	4.46	6.73	.0057910	.0007755	.0011709	4.95	7.47	
4-18	2	3	.0066831	.0010672	.0014353	4.66	6.26	.0065751	.0009952	.0014273	4.61	6.61	
4-18	3	1	.0145582	.0019434	.0028481	5.11	7.49	.0142262	.0017221	.0025161	5.65	8.26	
4-18	3	2	.0161924	.0016635	.0020233	8.00	9.70	.0161574	.0015785	.0018883	8.56	0.2*	
4-18	3	3	.0164511	.0014593	.0018594	8.95	1.2*	.0163431	.0013873	.0018514	8.83	1.7*	
4-18	4	1	.0083932	.0017034	.0026533	3.16	4.93	.0080612	.0014821	.0023213	3.47	5.44	
4-18	4	2	.0090437	.0011331	.0015450	5.85	7.98	.0090087	.0010431	.0014100	6.39	8.64	
4-18	4	3	.0083667	.0010592	.0014551	5.75	7.90	.0082587	.0009872	.0014471	5.71	8.37	
4-18	5	1	.0084914	.0015758	.0026363	3.22	5.39	.0081594	.0013555	.0023048	3.54	6.02	
4-18	5	2	.0116469	.0011479	.0016972	6.86	0.1*	.0116119	.0010579	.0015622	7.43	0.9*	
4-18	5	3	.0126017	.0009331	.0015833	7.96	3.5*	.0124937	.0008611	.0015753	7.93	4.5*	
4-18	6	1	.0113347	.0015589	.0026787	4.23	7.27	.0110027	.0013376	.0023467	4.69	8.23	
4-18	6	2	.0103132	.0010700	.0015986	6.45	9.64	.0102782	.0009800	.0014636	7.02	0.4*	
4-18	6	3	.0108720	.0010083	.0014563	7.47	0.7*	.0107640	.0009368	.0014483	7.43	1.4*	
4-18	7	1	.0039023	.0011374	.0021238	1.84	3.43	.0035703	.0009161	.0017918	1.99	3.90	
4-18	7	2	.0033040	.0005580	.0011950	2.76	5.92	.0032690	.0004680	.0010600	3.08	6.98	
4-18	7	3	.0033258	.0004864	.0010279	3.24	6.84	.0032178	.0004144	.0010199	3.16	7.76	
4-18	8	1	.0042756	.0010570	.0021548	1.98	4.05	.0039436	.0008357	.0018228	2.16	4.72	
4-18	8	2	.0025935	.0004696	.0011774	2.20	5.52	.0025585	.0003796	.0010424	2.45	6.74	
4-18	8	3	.0025630	.0004385	.0010262	2.50	5.84	.0024550	.0003665	.0010182	2.41	6.70	
4-18	9	1	.0035404	.0010827	.0023215	1.53	3.27	.0032084	.0008614	.0019895	1.61	3.72	
4-18	9	2	.0032292	.0005347	.0012084	2.67	6.04	.0031942	.0004447	.0010734	2.98	7.18	
4-18	10	1	.0043208	.0011424	.0023570	1.83	3.78	.0039888	.0009211	.0020250	1.97	4.33	
4-18	10	2	.0029738	.0005039	.0012608	2.36	5.85	.0029438	.0004189	.0011258	2.61	7.03	
4-18	10	3	.0028338	.0004854	.0011052	2.56	5.83	.0027258	.0004144	.0010972	2.48	6.58	
4-18	11	1	.0160181	.0026593	.0034101	4.70	6.02	.0156861	.0024385	.0030781	5.10	6.43	
4-18	11	2	.0152521	.0017278	.0022822	6.68	8.83	.0152171	.0016378	.0021472	7.09	9.29	
4-18	11	3	.0079541	.0013621	.0024401	3.26	5.84	.0078461	.0012901	.0024321	3.23	6.08	
4-18	12	1	.0084889	.0016202	.0027031	3.14	5.24	.0081569	.0013989	.0023711	3.44	5.83	
4-18	12	2	.0061343	.0008365	.0016911	3.63	7.33	.0060993	.0007465	.0015561	3.92	8.17	
4-18	12	3	.0063885	.0008255	.0015116	4.23	7.74	.0062805	.0007535	.0015036	4.18	8.34	
4-18	13	1	.0126876	.0019667	.0032064	3.95	6.44	.0123356	.0017454	.0028744	4.29	7.07	
4-18	13	2	.0176149	.0014646	.0019913	8.85	2.0*	.0175799	.0013746	.0018563	9.47	2.7*	
4-18	13	3	.0171311	.0010926	.0019129	8.96	5.6*	.0170231	.0010206	.0019040	8.94	6.6*	
4-18	14	1	.0039197	.0011307	.0025210	1.55	3.47	.0035877	.0009094	.0021890	1.64	3.95	
4-18	14	2	.0026304	.0004721	.0014404	1.33	5.57	.0025954	.0003821	.0013054	1.99	6.79	
4-18	14	3	.0026358	.0005055	.0012620	2.09	5.21	.0025278	.0004335	.0012546	2.02	5.83	

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			R(45)	R(90)	R(135)	45 135	45 90	R(45)	R(90)	R(135)	45 135	45 90
4-18	15	1	.0058095	.0013397	.0026711	2.17	4.34	.0054775	.0011184	.0023391	2.34	4.90
4-18	15	2	.0056105	.0007117	.0015313	3.66	7.88	.0055755	.0006217	.0013963	3.99	8.97
4-18	15	3	.0062401	.0007240	.0013408	4.65	8.62	.0061321	.0006520	.0013328	4.60	9.40
4-18	16	1	.0035846	.0011374	.0023784	1.47	3.08	.0031726	.0009161	.0020464	1.55	3.46
4-18	16	2	.0023260	.0005392	.0012207	1.91	4.31	.0022910	.0004492	.0010857	2.11	5.10
4-18	16	3	.0024606	.0005159	.0011287	2.18	4.77	.0023526	.0004439	.0011207	2.10	5.30
4-18	17	1	.0050429	.0012985	.0023884	2.11	3.88	.0047109	.0010773	.0020564	2.29	4.37
4-18	17	2	.0036154	.0005778	.0012926	2.30	6.26	.0035804	.0004378	.0011576	3.09	7.34
4-18	17	3	.0037833	.0005599	.0010989	3.44	6.77	.0036753	.0004870	.0010909	3.37	7.55
4-18	18	1	.0038589	.0012479	.0021643	1.78	3.09	.0035269	.0010266	.0018323	1.92	3.44
4-18	18	2	.0032741	.0005532	.0012188	2.69	5.92	.0032391	.0004632	.0010838	2.99	6.99
4-18	18	3	.0030764	.0004559	.0010102	3.05	6.75	.0029684	.0003339	.0010022	2.96	7.73
4-18	19	1	.0059842	.0014301	.0023968	2.50	4.18	.0056522	.0012188	.0020648	2.74	4.68
4-18	19	2	.0043596	.0005973	.0009730	4.48	7.29	.0043246	.0005978	.0008380	5.16	8.52
4-18	19	3	.0040056	.0005632	.0011585	3.46	7.11	.0038976	.0004912	.0011505	3.39	7.93
4-18	20	1	.0037874	.0012269	.0022992	1.65	3.09	.0034554	.0010956	.0019672	1.76	3.44
4-18	20	2	.0030324	.0005130	.0011021	2.75	5.91	.0029974	.0004230	.0009671	3.10	7.09
4-18	20	3	.0028525	.0004523	.0009082	3.14	6.31	.0027445	.0003803	.0009002	3.05	7.22
4-19	1	1	.0086298	.0016493	.0024359	3.54	5.23	.0082978	.0014280	.0021039	3.94	5.81
4-19	1	2	.0071515	.0009938	.0014214	5.03	7.20	.0071165	.0009038	.0012864	5.53	7.87
4-19	1	3	.0072256	.0009586	.0012428	5.81	7.54	.0071176	.0008966	.0012348	5.76	8.03
4-19	2	1	.0103225	.0017749	.0026275	3.93	5.82	.0099905	.0015536	.0022955	4.35	6.43
4-19	2	2	.0083206	.0012266	.0017369	4.79	6.78	.0082856	.0011366	.0016019	5.17	7.29
4-19	2	3	.0081481	.0011039	.0014314	5.69	7.38	.0080401	.0010319	.0014234	5.65	7.79
4-19	3	1	.0135327	.0021424	.0030394	4.45	6.32	.0132007	.0019211	.0027074	4.88	6.87
4-19	3	2	.0166340	.0018523	.0018992	8.76	8.98	.0165990	.0017623	.0017642	9.41	9.42
4-19	3	3	.0174718	.0016582	.0018325	9.53	0.5*	.0173638	.0015862	.0018245	9.52	0.9*
4-19	4	1	.0064599	.0014089	.0023461	2.75	4.59	.0061279	.0011876	.0020141	3.04	5.16
4-19	4	2	.0053135	.0007494	.0013356	3.98	7.09	.0052785	.0006594	.0012006	4.40	8.00
4-19	4	3	.0057418	.0007408	.0011440	5.02	7.75	.0056335	.0006688	.0011360	4.96	8.42
4-19	5	1	.0050909	.0013773	.0022883	2.22	3.70	.0047589	.0011560	.0019563	2.43	4.12
4-19	5	2	.0045163	.0006979	.0011899	3.80	6.47	.0044813	.0006079	.0010549	4.25	7.37
4-19	5	3	.0043622	.0005596	.0010281	4.24	7.79	.0042542	.0004376	.0010201	4.17	8.72
4-19	6	1	.0113563	.0021098	.0029401	3.86	5.38	.0110248	.0018885	.0026081	4.23	5.84
4-19	6	2	.0144011	.0016305	.0019637	7.33	8.83	.0143661	.0015405	.0018287	7.86	9.33
4-19	6	3	.0142085	.0013136	.0017953	7.91	0.7*	.0141005	.0012476	.0017873	7.89	1.3*
4-19	7	1	.0048214	.0012630	.0021153	2.28	3.82	.0044894	.0010417	.0017832	2.52	4.31
4-19	7	2	.0040757	.0006223	.0011482	3.55	6.55	.0040407	.0005323	.0010132	3.99	7.59
4-19	7	3	.0042089	.0005409	.0003110	3.5*	.78	.0041009	.0005372	.0003030	3.5*	.77
4-19	8	1	.0042482	.0011470	.0021865	1.94	3.70	.0039162	.0009257	.0018545	2.11	4.23
4-19	8	2	.0026586	.0007201	.0012400	2.14	3.69	.0026186	.0006301	.0011050	2.37	4.16
4-19	8	3	.0028270	.0005093	.0010248	2.76	5.55	.0027190	.0004373	.0010166	2.67	6.22
4-19	9	1	.0041249	.0010633	.0020633	2.00	3.88	.0037929	.0008420	.0017313	2.19	4.50
4-19	9	2	.0028837	.0005683	.0011310	2.64	5.25	.0029487	.0004783	.0009960	2.96	6.17
4-19	9	3	.0027201	.0004912	.0010227	2.66	5.54	.0026121	.0004192	.0010147	2.57	6.23
4-19	10	1	.0040827	.0012595	.0023132	1.76	3.24	.0037507	.0010392	.0019812	1.89	3.61
4-19	10	2	.0031123	.0005683	.0011585	2.69	5.48	.0030773	.0004783	.0010235	3.01	6.43
4-19	10	3	.0026779	.0004838	.0010444	2.56	5.53	.0025699	.0004118	.0010364	2.48	6.24
4-19	11	1	.0053284	.0012166	.0022658	2.35	4.38	.0049964	.0009953	.0019338	2.58	5.02
4-19	11	2	.0043357	.0006425	.0011742	3.69	6.75	.0043007	.0005525	.0010392	4.14	7.78

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-19	11	3	.0038173	.0004875	.0010098	3.78	7.83	.0037093	.0004155	.0010018	3.70	8.93
4-19	12	1	.0041566	.0011398	.0020988	1.98	3.65	.0038246	.0009185	.0017668	2.16	4.16
4-19	12	2	.0033107	.0004834	.0010538	3.14	6.85	.0032757	.0003934	.0009188	3.57	8.33
4-19	12	3	.0028665	.0004597	.0009448	3.03	6.24	.0027585	.0003877	.0009368	2.94	7.12
4-19	13	1	.0043801	.0012497	.0021853	2.00	3.50	.0040481	.0010284	.0018533	2.18	3.94
4-19	13	2	.0040835	.0006008	.0011009	3.71	6.80	.0040485	.0005108	.0009659	4.19	7.93
4-19	13	3	.0040678	.0005322	.0009546	4.26	7.64	.0039598	.0004602	.0009466	4.18	8.60
4-19	14	1	.0030573	.0010714	.0021531	1.42	2.85	.0027258	.0008501	.0018211	1.50	3.21
4-19	14	2	.0018376	.0004304	.0010813	1.70	4.27	.0018024	.0003404	.0009463	1.90	5.29
4-19	14	3	.0016943	.0003964	.0008978	1.89	4.27	.0015863	.0003244	.0008898	1.78	4.89
4-19	15	1	.0058703	.0012922	.0022911	2.56	4.54	.0055383	.0010709	.0019591	2.83	5.17
4-19	15	2	.0057453	.0006898	.0012409	4.63	3.33	.0057109	.0005998	.0011059	5.16	9.52
4-19	15	3	.0057287	.0006435	.0011848	4.94	8.90	.0056207	.0005715	.0011768	4.78	9.83
4-19	16	1	.0044489	.0011647	.0020853	2.13	3.82	.0041169	.0009434	.0017533	2.35	4.36
4-19	16	2	.0032534	.0005340	.0011325	2.37	6.09	.0032184	.0004440	.0009975	3.23	7.25
4-19	16	3	.0031855	.0005244	.0010082	3.16	6.07	.0030775	.0004524	.0010002	3.08	6.80
4-19	17	1	.0033454	.0011647	.0020622	1.62	2.87	.0030134	.0009434	.0017302	1.74	3.19
4-19	17	2	.0022021	.0004680	.0009955	2.21	4.71	.0021671	.0003780	.0008605	2.52	5.73
4-19	17	3	.0022150	.0004399	.0008358	2.65	5.04	.0021070	.0003679	.0008278	2.55	5.73
4-19	18	1	.0042621	.0010633	.0020960	2.04	4.01	.0039301	.0008420	.0017580	2.24	4.67
4-19	18	2	.0027450	.0004756	.0010880	2.52	5.77	.0027100	.0003856	.0009530	2.84	7.03
4-19	18	3	.0022021	.0004052	.0009447	2.60	6.07	.0023514	.0003332	.0008367	2.51	7.06
4-19	19	1	.0044477	.0012497	.0021178	2.10	3.56	.0041157	.0010284	.0017858	2.30	4.00
4-19	19	2	.0032073	.0005302	.0010675	3.00	6.05	.0031723	.0004402	.0009325	3.40	7.21
4-19	19	3	.0031890	.0005244	.0009170	3.48	6.08	.0030810	.0004524	.0009090	3.39	6.81
4-19	20	1	.0050319	.0012947	.0021531	2.34	3.89	.0046999	.0010734	.0018211	2.58	4.38
4-19	20	2	.0041116	.0007201	.0011530	3.57	5.71	.0040766	.0006301	.0010180	4.00	6.47
4-19	20	3	.0040345	.0005637	.0010492	3.85	7.16	.0039265	.0004917	.0010412	3.77	7.99
4-20	1	1	.0086632	.0016202	.0024316	3.56	5.35	.0083312	.0013989	.0020996	3.97	5.96
4-20	1	2	.0078383	.0010169	.0014853	5.28	7.71	.0078033	.0009269	.0013503	5.78	8.42
4-20	1	3	.0070924	.0008933	.0012433	5.76	7.94	.0069844	.0008213	.0012353	5.65	8.50
4-20	2	1	.0090516	.0015942	.0025355	3.57	5.68	.0087196	.0013729	.0022035	3.96	6.35
4-20	2	2	.0073266	.0009762	.0014240	5.15	7.50	.0072916	.0008862	.0012890	5.66	8.23
4-20	2	3	.0075133	.0008997	.0012939	5.81	8.35	.0074053	.0008277	.0012859	5.76	8.95
4-20	3	1	.0069933	.0014237	.0023857	2.93	4.91	.0066613	.0012024	.0020537	3.24	5.54
4-20	3	2	.0063733	.0008580	.0014099	4.52	7.43	.0063383	.0007680	.0012749	4.97	8.25
4-20	3	3	.0067746	.0007781	.0011733	5.77	8.71	.0066666	.0007061	.0011653	5.72	9.44
4-20	4	1	.0068199	.0014012	.0022863	2.98	4.87	.0064879	.0011799	.0019543	3.32	5.50
4-20	4	2	.0059986	.0008029	.0013381	4.41	7.35	.0058636	.0007129	.0012031	4.87	8.23
4-20	4	3	.0056582	.0007538	.0012157	4.65	7.51	.0055502	.0006818	.0012077	4.60	8.14
4-20	5	1	.0073267	.0015089	.0023730	3.09	4.86	.0069947	.0012876	.0020410	3.43	5.43
4-20	5	2	.0058204	.0008511	.0013537	4.30	6.84	.0057854	.0007611	.0012187	4.75	7.60
4-20	5	3	.0059293	.0007154	.0012263	4.84	8.29	.0058213	.0006434	.0012183	4.78	9.05
4-20	6	1	.0074576	.0015516	.0024332	3.06	4.81	.0071256	.0013303	.0021012	3.39	5.36
4-20	6	2	.0060235	.0008029	.0013333	4.52	7.50	.0059885	.0007129	.0011983	5.00	8.40
4-20	6	3	.0061306	.0008150	.0011226	5.46	7.52	.0060226	.0007430	.0011146	5.40	8.11
4-20	7	1	.0045400	.0011253	.0021206	2.14	4.03	.0042080	.0009040	.0017886	2.35	4.65
4-20	7	2	.0033413	.0005384	.0011394	2.93	6.21	.0033063	.0004484	.0010044	3.29	7.37
4-20	7	3	.0034873	.0004687	.0009986	3.49	7.44	.0033793	.0003967	.0009906	3.41	8.52
4-20	8	1	.0034102	.0010401	.0020658	1.65	3.28	.0030782	.0008188	.0017338	1.78	3.76

STA NO	BOT NO	LAMDA	WATER + PARTICLES			PARTICLES						
			R(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-20	8	2	.0023631	.0004756	.0010707	2.21	4.97	.0023281	.0003956	.0009357	2.49	6.04
4-20	8	3	.0022481	.0004164	.0009252	2.43	5.40	.0021401	.0003444	.0009172	2.33	6.21
4-20	9	1	.0035564	.0010758	.0021434	1.66	3.31	.0032244	.0008545	.0018114	1.78	3.77
4-20	9	2	.0029739	.0005945	.0011330	2.62	5.36	.0029389	.0004545	.0009980	2.94	6.33
4-20	9	3	.0027343	.0004194	.0009706	2.82	6.52	.0026263	.0003474	.0009626	2.73	7.56
4-20	10	1	.0039405	.0010827	.0020782	1.90	3.64	.0036085	.0008614	.0017462	2.07	4.19
4-20	10	2	.0022911	.0004875	.0011023	2.08	4.70	.0022561	.0003975	.0009673	2.33	5.68
4-20	10	3	.0025831	.0004256	.0009923	2.60	6.07	.0024751	.0003536	.0009843	2.51	7.00
4-20	11	1	.0060020	.0012820	.0022843	2.63	4.68	.0056700	.0010607	.0019523	2.90	5.35
4-20	11	2	.0056986	.0006955	.0013195	4.32	8.19	.0056636	.0006055	.0011845	4.78	9.35
4-20	11	3	.0058478	.0007731	.0011156	5.24	7.52	.0057398	.0007061	.0011076	5.18	8.13
4-20	12	1	.0048439	.0011997	.0022028	2.20	4.04	.0045119	.0009774	.0018708	2.41	4.62
4-20	12	2	.0037571	.0005347	.0011884	3.16	7.03	.0037221	.0004447	.0010534	3.53	8.37
4-20	12	3	.0037843	.0017024	.0010600	3.57	2.22	.0036768	.0016304	.0010520	3.50	2.26
4-20	13	1	.0044587	.0014036	.0023597	1.89	3.18	.0041267	.0011823	.0020277	2.04	3.49
4-20	13	2	.0033070	.0005258	.0011511	2.87	6.29	.0032720	.0003358	.0010161	3.22	7.51
4-20	13	3	.0033212	.0004970	.0010512	3.16	6.68	.0032132	.0004250	.0010432	3.08	7.56
4-20	14	1	.0032363	.0010237	.0020699	1.56	3.16	.0029043	.0008024	.0017379	1.67	3.62
4-20	14	2	.0020919	.0004304	.0010400	2.01	4.86	.0020569	.0003404	.0009050	2.27	6.04
4-20	14	3	.0018321	.0004075	.0009562	1.92	4.50	.0017241	.0003355	.0009482	1.82	5.14
4-20	15	1	.0053723	.0012947	.0023332	2.30	4.15	.0050408	.0010734	.0020012	2.52	4.70
4-20	15	2	.0054530	.0006585	.0013089	4.17	8.28	.0054180	.0005685	.0011739	4.62	9.53
4-20	15	3	.0058304	.0006008	.0011175	5.22	9.70	.0057224	.0005288	.0011095	5.16	0.8*
4-20	16	1	.0056090	.0010827	.0020475	2.74	5.18	.0052760	.0008614	.0017155	3.08	6.13
4-20	16	2	.0027065	.0005215	.0011635	2.33	5.19	.0026716	.0004315	.0010289	2.60	6.19
4-20	16	3	.0025271	.0004408	.0009707	2.60	5.73	.0024191	.0003688	.0009627	2.51	6.56
4-20	17	1	.0032791	.0010830	.0020404	1.61	3.03	.0029471	.0008617	.0017084	1.73	3.42
4-20	17	2	.0019465	.0004834	.0011380	1.71	4.03	.0019115	.0003934	.0010030	1.91	4.86
4-20	17	3	.0019332	.0004756	.0009787	1.98	4.06	.0018252	.0004036	.0009707	1.88	4.52
4-20	18	1	.0036430	.0011112	.0021348	1.71	3.28	.0033110	.0008899	.0018028	1.84	3.72
4-20	18	2	.0025755	.0005215	.0010721	2.40	4.94	.0025405	.0004315	.0009371	2.71	5.89
4-20	18	3	.0021368	.0004863	.0009779	2.19	4.39	.0020288	.0004143	.0009699	2.09	4.90
4-20	19	1	.0034080	.0011003	.0021348	1.60	3.10	.0030760	.0008790	.0018028	1.71	3.50
4-20	19	2	.0022524	.0004627	.0011165	2.02	4.87	.0022174	.0003727	.0009815	2.26	5.95
4-20	19	3	.0025271	.0004164	.0009707	2.60	6.07	.0024191	.0003444	.0009627	2.51	7.03
4-20	20	1	.0030495	.0010926	.0020535	1.48	2.79	.0027175	.0008713	.0017215	1.58	3.12
4-20	20	2	.0018849	.0004561	.0010141	1.86	4.13	.0018499	.0003661	.0008791	2.10	5.05
4-20	20	3	.0020245	.0004224	.0008712	2.32	4.79	.0019165	.0003504	.0008632	2.22	5.47
4-21	1	1	.0038084	.0016159	.0025303	3.48	5.45	.0084764	.0013946	.0021983	3.86	6.08
4-21	1	2	.0070777	.0009504	.0014997	4.72	7.45	.0070427	.0008604	.0013647	5.16	8.19
4-21	1	3	.0067382	.0008560	.0012016	5.61	7.87	.0066302	.0007840	.0011936	5.55	8.46
4-21	2	1	.0071478	.0006742	.0009493	7.53	0.6*	.0068158	.0004529	.0006173	1.0*	5.0*
4-21	2	2	.0056913	.0007838	.0014036	4.05	7.26	.0056563	.0006938	.0012686	4.46	8.15
4-21	2	3	.0059515	.0007679	.0011554	5.19	7.80	.0058835	.0006959	.0011474	5.13	8.45
4-21	3	1	.0056132	.0012500	.0021784	2.58	4.49	.0052812	.0010287	.0018464	2.86	5.13
4-21	3	2	.0042677	.0006947	.0012528	3.42	6.17	.0042527	.0006047	.0011178	3.80	7.03
4-21	3	3	.0051121	.0007846	.0011648	4.39	6.52	.0050041	.0007126	.0011568	4.33	7.02
4-21	4	1	.0046516	.0011360	.0021028	2.21	4.09	.0043196	.0009147	.0017708	2.44	4.72
4-21	4	2	.0040625	.0006110	.0011364	3.57	6.65	.0040275	.0005210	.0010014	4.02	7.73
4-21	4	3	.0034257	.0005667	.0010247	3.34	6.04	.0033177	.0004947	.0010167	3.26	6.71

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-21	5	1	.0049115	.0012764	.0020846	2.36	3.85	.0045798	.0010551	.0017526	2.61	4.34
4-21	5	2	.0037232	.0005903	.0011721	3.18	6.31	.0036882	.0005003	.0010371	3.56	7.37
4-21	5	3	.0033207	.0005231	.0009731	3.41	6.35	.0032127	.0004511	.0009651	3.33	7.12
4-21	6	1	.0044125	.0012528	.0021770	2.03	3.52	.0040805	.0010315	.0018450	2.21	3.96
4-21	6	2	.0029116	.0005387	.0011580	2.51	5.41	.0028766	.0004487	.0010230	2.81	6.41
4-21	6	3	.0031167	.0004969	.0010807	2.88	6.27	.0030087	.0004249	.0010727	2.80	7.08
4-21	7	1	.0042035	.0012114	.0020070	2.09	3.47	.0038715	.0009901	.0016750	2.31	3.91
4-21	7	2	.0028466	.0005563	.0010930	2.60	5.12	.0028116	.0004663	.0009580	2.93	6.03
4-21	7	3	.0024388	.0004744	.0010151	2.40	5.14	.0023308	.0004024	.0010671	2.31	5.79
4-21	8	1	.0041361	.0010979	.0020800	1.99	3.77	.0038041	.0003766	.0017480	2.18	4.34
4-21	8	2	.0024144	.0005031	.0011441	2.11	4.80	.0023794	.0004131	.0010091	2.36	5.76
4-21	8	3	.0030407	.0004837	.0009446	3.22	6.21	.0029327	.0004177	.0009366	3.13	7.02
4-21	9	1	.0044859	.0011620	.0020702	2.17	3.86	.0041539	.0009407	.0017382	2.39	4.42
4-21	9	2	.0031295	.0005035	.0010951	2.86	6.22	.0030945	.0004135	.0009601	3.22	7.48
4-21	9	3	.0028315	.0004567	.0009475	2.84	6.20	.0027235	.0003847	.0009899	2.75	7.08
4-21	10	1	.0287643	.0033861	.0048589	5.92	8.49	.0284323	.0031648	.0045269	6.28	8.98
4-21	10	2	.0496619	.0040100	.0031174	5.9*	2.3*	.0496269	.0039200	.0029824	6.6*	2.6*
4-21	10	3	.0608275	.0049552	.0084713	7.18	2.2*	.0607195	.0088832	.0084633	7.17	2.4*
4-21	11	1	.0035018	.0011090	.0019713	1.78	3.16	.0031698	.0008877	.0016393	1.93	3.57
4-21	11	2	.0022827	.0004313	.0009980	2.29	5.29	.0022477	.0003413	.0008630	2.60	6.59
4-21	11	3	.0022601	.0003985	.0008885	2.54	5.67	.0021521	.0003265	.0008805	2.44	6.59
4-22	1	1	.0093510	.0016556	.0023270	4.02	5.65	.0090190	.0014343	.0019950	4.52	6.29
4-22	1	2	.0073136	.0009648	.0015358	4.76	7.58	.0072786	.0008748	.0014008	5.20	8.32
4-22	1	3	.0077309	.0009520	.0013976	5.53	8.12	.0076229	.0008800	.0013890	5.49	8.66
4-22	2	1	.0098061	.0016599	.0025150	3.90	5.91	.0094741	.0014386	.0021830	4.34	6.59
4-22	2	2	.0075709	.0009298	.0015083	5.02	8.14	.0075359	.0008398	.0013733	5.49	8.97
4-22	2	3	.0079633	.0009787	.0013850	5.75	8.14	.0078553	.0009067	.0013770	5.70	8.66
4-22	3	1	.0078274	.0014053	.0023906	3.27	5.57	.0074954	.0011840	.0020586	3.64	6.33
4-22	3	2	.0035275	.0009070	.0013959	6.11	9.40	.0084925	.0008170	.0012609	6.74	0.3*
4-22	3	3	.0087744	.0008455	.0012910	6.80	0.3*	.0086664	.0007735	.0012830	6.75	1.2*
4-22	4	1	.0069734	.0014508	.0023400	2.98	4.81	.0066414	.0012295	.0020080	3.31	5.40
4-22	4	2	.0057037	.0007331	.0012028	4.74	7.78	.0056687	.0006431	.0010678	5.31	8.81
4-22	4	3	.0062875	.0007602	.0012228	5.14	8.27	.0061795	.0006882	.0012148	5.09	8.98
4-22	5	1	.0057217	.0014063	.0023535	2.43	4.07	.0053897	.0011850	.0020215	2.67	4.55
4-22	5	2	.0050715	.0008164	.0013223	3.84	6.21	.0050365	.0007264	.0011873	4.24	6.93
4-22	5	3	.0051969	.0006902	.0010756	4.83	7.53	.0050889	.0006182	.0010676	4.77	8.23
4-22	6	1	.0084300	.0015075	.0024087	3.50	5.59	.0080980	.0012862	.0020767	3.90	6.30
4-22	6	2	.0118664	.0013414	.0015092	7.86	8.85	.0118314	.0012514	.0013742	8.61	9.45
4-22	6	3	.0118284	.0208116	.0011629	0.1*	.57	.0117204	.0207396	.0011549	0.1*	.57
4-22	7	1	.0039150	.0012728	.0022182	1.76	3.08	.0035830	.0010515	.0018862	1.90	3.41
4-22	7	2	.0033738	.0005758	.0011206	3.01	5.86	.0033388	.0004858	.0009856	3.39	6.87
4-22	7	3	.0032497	.0005556	.0009471	3.43	5.85	.0031417	.0004836	.0009391	3.35	6.50
4-22	8	1	.0043295	.0013390	.0021376	2.03	3.23	.0039975	.0011177	.0018056	2.21	3.58
4-22	8	2	.0031046	.0005424	.0010530	2.95	5.72	.0030696	.0004524	.0009180	3.34	6.79
4-22	8	3	.0033638	.0006815	.0010439	3.22	4.94	.0032558	.0006095	.0010359	3.14	5.34
4-22	9	1	.0061445	.0012550	.0022014	2.79	4.90	.0058125	.0010337	.0018694	3.11	5.62
4-22	9	2	.0052053	.0007145	.0011706	4.45	7.28	.0051703	.0006245	.0010756	4.99	8.28
4-22	9	3	.0050986	.0007027	.0010719	4.76	7.26	.0049906	.0006307	.0010639	4.69	7.91
4-22	10	1	.0068407	.0013173	.0021750	3.15	5.19	.0065087	.0010960	.0018430	3.53	5.94
4-22	10	2	.0066749	.0006715	.0012134	5.50	9.94	.0066390	.0005815	.0010784	6.16	1.4*

STA NO	BOT NO	LAMDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-22	10	3	.0071263	.0006883	.0011123	6.41	0.3*	.0070183	.0006163	.0011043	6.36	1.3*
4-22	11	1	.0036713	.0011220	.0020772	1.77	3.27	.0033393	.0009907	.0017452	1.91	3.71
4-22	11	2	.0023546	.0004640	.0010680	2.20	5.07	.0023196	.0003740	.0009330	2.49	6.20
4-22	11	3	.0022289	.0004517	.0008923	2.50	4.93	.0021209	.0003797	.0008853	2.40	5.59
4-22	12	1	.0043308	.0012485	.0021030	2.06	3.47	.0039988	.0010272	.0017710	2.26	3.89
4-22	12	2	.0029979	.0005469	.0010670	2.81	5.48	.0029629	.0004569	.0009320	3.18	6.48
4-22	12	3	.0028892	.0005504	.0009417	3.07	5.25	.0027812	.0004784	.0009337	2.98	5.81
4-22	13	1	.0231119	.0028331	.0038874	5.95	8.16	.0227799	.0026118	.0035554	6.41	8.72
4-22	13	2	.0391008	.0029745	.0024348	6.0*	3.1*	.0390658	.0028845	.0022998	6.9*	3.5*
4-22	13	3	.0436164	.0025545	.0026525	6.4*	7.0*	.0435084	.0024825	.0026445	6.4*	7.5*
4-22	14	1	.0040552	.0012032	.0020789	1.95	3.37	.0037232	.0009819	.0017469	2.13	3.79
4-22	14	2	.0028655	.0005035	.0010587	2.71	5.69	.0028305	.0004135	.0009237	3.06	6.84
4-22	14	3	.0028036	.0005019	.0009098	3.08	5.59	.0026956	.0004299	.0009018	2.99	6.27
4-22	15	1	.0097676	.0017008	.0025186	3.88	5.74	.0094356	.0014795	.0021866	4.32	6.38
4-22	15	2	.0069746	.0012415	.0016788	4.15	5.62	.0069396	.0011515	.0015438	4.50	6.03
4-22	15	3	.0148732	.0010791	.0012183	2.2*	3.7*	.0147652	.0010071	.0012103	2.2*	4.6*
4-22	16	1	.0055380	.0013842	.0022645	2.45	4.00	.0052069	.0011629	.0019325	2.69	4.48
4-22	16	2	.0033915	.0006338	.0011847	2.86	5.35	.0033565	.0005438	.0010497	3.20	6.17
4-22	16	3	.0031595	.0005727	.0009836	3.21	5.52	.0030515	.0005007	.0009756	3.13	6.09
4-22	17	1	.0033344	.0011037	.0012224	1.57	3.02	.0030021	.0008824	.0017904	1.68	3.40
4-22	17	2	.0022006	.0004862	.0010973	2.01	4.53	.0021656	.0003962	.0009623	2.25	5.47
4-22	17	3	.0024195	.0004517	.0009244	2.62	5.36	.0023115	.0003797	.0009164	2.52	6.09
4-22	18	1	.0045293	.0013280	.0022484	2.01	3.41	.0041973	.0011067	.0019164	2.19	3.79
4-22	18	2	.0036888	.0006715	.0012611	2.93	5.49	.0036538	.0005815	.0011261	3.24	6.28
4-22	18	3	.0040376	.0007555	.0011869	3.40	5.34	.0039296	.0006835	.0011789	3.33	5.75
4-22	19	1	.0045015	.0011934	.0020780	2.17	3.77	.0041695	.0009721	.0017460	2.39	4.29
4-22	19	2	.0034609	.0005903	.0011024	3.14	5.86	.0034259	.0005003	.0009674	3.54	6.85
4-22	19	3	.0029151	.0004548	.0008161	3.57	6.41	.0028071	.0003328	.0008081	3.47	7.33
4-22	20	1	.0039123	.0013390	.0021880	1.79	2.92	.0035808	.0011177	.0018560	1.93	3.20
4-22	20	2	.0024639	.0005035	.0011536	2.14	4.89	.0024289	.0004135	.0010186	2.38	5.87
4-22	20	3	.0071680	.0016399	.0026349	2.72	4.37	.0070600	.0015679	.0026269	2.69	4.50
4-23	1	1	.0086339	.0017974	.0027450	3.15	4.80	.0083019	.0015761	.0024130	3.44	5.27
4-23	1	2	.0059832	.0008143	.0015657	3.82	7.35	.0059482	.0007243	.0014307	4.16	8.21
4-23	1	3	.0066001	.0007985	.0013828	4.77	8.27	.0064921	.0007265	.0013748	4.72	8.94
4-23	2	1	.0106517	.0017243	.0027001	3.94	6.18	.0103197	.0015030	.0023681	4.36	6.87
4-23	2	2	.0073620	.0009978	.0016637	4.43	7.38	.0073270	.0009078	.0015287	4.79	8.07
4-23	2	3	.0068439	.0009565	.0015249	4.49	7.99	.0067359	.0007845	.0015169	4.44	8.59
4-23	3	1	.0096572	.0016439	.0033594	2.87	5.87	.0093252	.0014226	.0030274	3.08	6.55
4-23	3	2	.0032868	.0010420	.0021009	3.94	7.95	.0032518	.0009520	.0019659	4.20	8.67
4-23	3	3	.0032421	.0023369	.0019348	4.26	.37	.0031341	.0022649	.0019268	4.22	.37
4-23	4	1	.0070752	.0013528	.0027904	2.54	5.23	.0067432	.0011315	.0024584	2.74	5.96
4-23	4	2	.0062450	.0007705	.0016227	3.85	8.11	.0062100	.0006805	.0014877	4.17	9.13
4-23	4	3	.0059072	.0006697	.0014879	3.97	8.82	.0057992	.0005977	.0014799	3.92	9.70
4-23	5	1	.0065934	.0013116	.0029244	2.25	5.03	.0062614	.0010903	.0025924	2.42	5.74
4-23	5	2	.0053175	.0006829	.0017248	3.08	7.79	.0052825	.0005929	.0015898	3.32	8.91
4-23	5	3	.0049209	.0007469	.0015451	3.18	6.59	.0048129	.0006749	.0015371	3.13	7.13
4-23	6	1	.0068033	.0013526	.0030574	2.23	5.03	.0064713	.0011313	.0027254	2.37	5.72
4-23	6	2	.0052021	.0007032	.0018456	2.82	7.40	.0051671	.0006132	.0017106	3.02	8.43
4-23	6	3	.0047457	.0006597	.0016421	2.89	7.19	.0046377	.0005877	.0016341	2.84	7.89
4-23	7	1	.0051442	.0012157	.0028848	1.78	4.23	.0048122	.0009944	.0025528	1.89	4.84

STA NO	ROT NO	LAYDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-23	7	2	.0040643	.0005779	.0017055	2.38	7.03	.0040298	.0004879	.0015705	2.57	8.26
4-23	7	3	.0043303	.0005924	.0015478	2.80	7.31	.0042223	.0005204	.0015398	2.74	8.11
4-23	8	1	.0048225	.0011620	.0029454	1.64	4.15	.0044905	.0009407	.0026134	1.72	4.77
4-23	8	2	.0033036	.0005296	.0017519	1.89	6.24	.0032686	.0004396	.0016169	2.02	7.44
4-23	8	3	.0032210	.0005113	.0015966	2.02	6.30	.0031130	.0004393	.0015886	1.96	7.09
4-23	9	1	.0115243	.0020148	.0031950	3.61	5.72	.0111923	.0017935	.0028630	3.91	6.24
4-23	9	2	.0105241	.0012914	.0021872	4.81	8.15	.0104891	.0012014	.0020522	5.11	8.73
4-23	9	3	.0097253	.0011075	.0020120	4.83	8.78	.0096173	.0010355	.0020040	4.80	9.29
4-23	10	1	.0079393	.0014162	.0030142	2.63	5.61	.0076073	.0010949	.0026822	2.84	6.37
4-23	10	2	.0065292	.0007666	.0019353	3.37	8.52	.0064942	.0006766	.0018003	3.61	9.60
4-23	10	3	.0064451	.0007158	.0015717	4.10	9.00	.0063371	.0006438	.0015637	4.05	9.84
4-23	11	1	.0046001	.0011425	.0029491	1.56	4.03	.0042681	.0009212	.0026171	1.63	4.63
4-23	11	2	.0034294	.0005460	.0017771	1.93	6.28	.0033944	.0004560	.0016421	2.07	7.44
4-23	11	3	.0030998	.0004567	.0015883	1.95	6.79	.0029918	.0003847	.0015803	1.89	7.78
4-24	1	1	.0108098	.0017363	.0032803	3.30	6.23	.0104778	.0015150	.0029483	3.55	6.92
4-24	1	2	.0092187	.0011303	.0018293	5.04	8.16	.0091837	.0010403	.0016943	5.42	8.83
4-24	1	3	.0084896	.0010723	.0016960	5.01	7.92	.0083816	.0010003	.0016880	4.97	8.38
4-24	2	1	.0095039	.0017067	.0028854	3.29	5.57	.0091719	.0014854	.0025534	3.59	6.17
4-24	2	2	.0082316	.0009456	.0016810	4.90	8.71	.0081966	.0008556	.0015460	5.30	9.58
4-24	2	3	.0078310	.0009863	.0016461	4.76	7.94	.0077230	.0009143	.0016381	4.71	8.45
4-24	3	1	.0106721	.0018286	.0031091	3.43	5.84	.0103401	.0016073	.0027771	3.72	6.43
4-24	3	2	.0084907	.0010065	.0019098	4.45	8.44	.0084557	.0009165	.0017748	4.76	9.23
4-24	3	3	.0082917	.0008631	.0016436	5.04	9.61	.0081837	.0007911	.0016356	5.00	0.3*
4-24	4	1	.0070816	.0014055	.0030482	2.32	5.04	.0067496	.0011842	.0027162	2.48	5.70
4-24	4	2	.0056271	.0008654	.0017971	3.13	6.50	.0055921	.0007754	.0016621	3.36	7.21
4-24	4	3	.0058960	.0007846	.0015747	3.74	7.51	.0057880	.0007126	.0015667	3.69	8.12
4-24	5	1	.0062045	.0013207	.0029966	2.07	4.70	.0058725	.0010994	.0026646	2.20	5.34
4-24	5	2	.0049659	.0006888	.0016872	2.94	7.21	.0049309	.0005988	.0015522	3.18	8.23
4-24	5	3	.0048968	.0006800	.0015727	3.11	7.20	.0047888	.0006080	.0015647	3.06	7.88
4-24	6	1	.0079406	.0015705	.0029795	2.67	5.06	.0076086	.0013492	.0026475	2.87	5.64
4-24	6	2	.0061039	.0009018	.0018622	3.28	6.77	.0060689	.0008118	.0017272	3.51	7.48
4-24	6	3	.0080671	.0008500	.0016223	4.97	9.49	.0079591	.0007780	.0016143	4.93	0.2*
4-24	7	1	.0051020	.0013435	.0030527	1.67	3.80	.0047700	.0011222	.0027207	1.75	4.25
4-24	7	2	.0045299	.0007004	.0018554	2.44	6.45	.0044859	.0006104	.0017204	2.61	7.35
4-24	7	3	.0052091	.0008500	.0017309	3.01	6.13	.0051011	.0007780	.0017229	2.96	6.56
4-24	8	1	.0045945	.0012074	.0028638	1.60	3.81	.0042625	.0009861	.0025318	1.68	4.32
4-24	8	2	.0027373	.0004717	.0014994	1.83	5.80	.0027023	.0003917	.0013644	1.98	7.08
4-24	8	3	.0028807	.0004672	.0014375	2.00	6.17	.0027727	.0003952	.0014295	1.94	7.02
4-24	9	1	.0075990	.0014492	.0028512	2.67	5.24	.0072670	.0012279	.0025192	2.88	5.92
4-24	9	2	.0063556	.0006947	.0015826	4.02	9.15	.0063206	.0006047	.0014476	4.37	0.4*
4-24	9	3	.0066958	.0006015	.0015643	4.28	1.1*	.0065878	.0005295	.0015563	4.23	2.4*
4-24	10	1	.0080851	.0015409	.0032532	2.49	5.25	.0077531	.0013196	.0029212	2.65	5.88
4-24	10	2	.0074180	.0008016	.0018825	3.94	9.25	.0073830	.0007116	.0017475	4.22	0.3*
4-24	10	3	.0077906	.0007062	.0016826	4.63	1.0*	.0076826	.0006342	.0016746	4.59	2.1*
4-24	11	1	.0051756	.0012528	.0029805	1.74	4.13	.0048436	.0010315	.0026485	1.83	4.70
4-24	11	2	.0037978	.0005611	.0017819	2.13	6.77	.0037628	.0004711	.0016469	2.28	7.99
4-24	11	3	.0044965	.0005015	.0015879	2.33	7.47	.0043885	.0005295	.0015799	2.78	8.29
4-24	12	1	.0041878	.0011871	.0027942	1.50	3.53	.0038558	.0009658	.0024622	1.57	3.99
4-24	12	2	.0029398	.0005253	.0015141	1.94	5.60	.0029048	.0004353	.0013791	2.11	6.67
4-24	12	3	.0030596	.0004894	.0013205	2.32	6.25	.0029516	.0004174	.0013125	2.25	7.07

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-24	13	1	.0072653	.0015625	.0029304	2.48	4.65	.0069333	.0013412	.0025984	2.67	5.17
4-24	13	2	.0075550	.0007660	.0018093	4.18	9.86	.0075200	.0006760	.0016743	4.49	1.1*
4-24	13	3	.0077737	.0006439	.0015744	4.94	2.0*	.0076657	.0005719	.0015664	4.89	3.4*
4-24	14	1	.0035075	.0011061	.0026707	1.31	3.17	.0031755	.0008848	.0023387	1.36	3.59
4-24	14	2	.0024441	.0005166	.0015951	1.53	4.73	.0024091	.0004266	.0014601	1.65	5.65
4-24	14	3	.0021099	.0003923	.0012789	1.65	5.38	.0020019	.0003203	.0012709	1.58	6.25
4-24	15	1	.0147171	.0021057	.0036611	4.02	6.99	.0143851	.0018844	.0033291	4.32	7.63
4-24	15	2	.0221535	.0014964	.0022414	9.88	4.8*	.0221185	.0014064	.0021064	0.5*	5.7*
4-24	15	3	.0222387	.0011246	.0019130	1.6*	9.7*	.0221307	.0010526	.0019050	1.6*	1.0*
4-24	16	1	.0043782	.0012114	.0027047	1.62	3.61	.0040462	.0009901	.0023727	1.71	4.09
24-24	16	2	.0027337	.0005516	.0016557	1.65	4.96	.0026987	.0004616	.0015207	1.77	5.85
4-24	16	3	.0033666	.0005101	.0014530	2.32	6.60	.0032586	.0004381	.0014450	2.26	7.44
4-24	17	1	.0046105	.0012407	.0026753	1.72	3.72	.0042785	.0010194	.0023438	1.83	4.20
4-24	17	2	.0038694	.0006630	.0017008	2.28	5.84	.0038344	.0005730	.0015658	2.45	6.69
4-24	17	3	.0035802	.0005952	.0015316	2.34	6.02	.0034722	.0005232	.0015236	2.28	6.64
4-24	18	1	.0039124	.0011871	.0027024	1.45	3.30	.0035804	.0009658	.0023704	1.51	3.71
4-24	18	2	.0035044	.0005387	.0015403	2.28	6.51	.0034694	.0004487	.0014053	2.47	7.73
4-24	18	3	.0030079	.0005074	.0014561	2.07	5.93	.0028999	.0004354	.0014481	2.00	6.66
4-24	19	1	.0040469	.0012317	.0028337	1.43	3.29	.0037148	.0010104	.0025017	1.48	3.68
4-24	19	2	.0036756	.0005954	.0015196	2.42	6.17	.0036406	.0005054	.0013846	2.63	7.20
4-24	19	3	.0036450	.0004636	.0014533	2.50	7.86	.0035370	.0003916	.0014478	2.44	9.03
4-24	20	1	.0040453	.0012074	.0027113	1.49	3.35	.0037133	.0009861	.0023793	1.56	3.77
4-24	20	2	.0027082	.0004945	.0015706	1.72	5.48	.0026732	.0004045	.0014356	1.86	6.61
4-24	20	3	.0025666	.0003864	.0013393	1.92	6.64	.0024589	.0003144	.0013313	1.85	7.82
4-25	2	1	.0091245	.0014995	.0031182	2.93	6.09	.0087926	.0012782	.0027862	3.16	6.88
4-25	2	2	.0064442	.0008508	.0018648	3.46	7.57	.0064092	.0007608	.0017298	3.71	8.42
4-25	2	3	.0064403	.0007807	.0016796	3.83	8.25	.0063325	.0007087	.0016716	3.79	8.94
4-25	3	1	.0084833	.0015625	.0033537	2.53	5.43	.0081513	.0013412	.0030217	2.70	6.08
4-25	3	2	.0071030	.0010074	.0020005	3.55	7.05	.0070680	.0009174	.0018655	3.79	7.70
4-25	3	3	.0069611	.0010249	.0017985	3.87	6.79	.0068531	.0009529	.0017905	3.83	7.19
4-25	4	1	.0070093	.0013213	.0029540	2.37	5.31	.0066778	.0011000	.0026220	2.55	6.07
4-25	4	2	.0053974	.0007206	.0018714	2.88	7.49	.0053624	.0006306	.0017364	3.09	8.50
4-25	4	3	.0053230	.0005835	.0016006	3.33	9.13	.0052210	.0005115	.0015926	3.28	0.2*
4-25	5	1	.0061012	.0013435	.0028759	2.12	4.54	.0057692	.0011222	.0025439	2.27	5.14
4-25	5	2	.0051729	.0006806	.0015904	3.25	7.60	.0051379	.0005906	.0014554	3.53	8.70
4-25	5	3	.0050421	.0007104	.0014951	3.37	7.10	.0049341	.0006384	.0014871	3.32	7.73
4-25	6	1	.0062781	.0012942	.0028171	2.23	4.85	.0059461	.0010729	.0024851	2.39	5.54
4-25	6	2	.0064569	.0007813	.0015326	4.21	8.26	.0064219	.0006913	.0013976	4.59	9.29
4-25	6	3	.0060575	.0006391	.0014888	4.07	9.48	.0059495	.0005671	.0014808	4.02	0.4*
4-25	7	1	.0049369	.0011871	.0024928	1.98	4.16	.0046069	.0009658	.0021608	2.13	4.77
4-25	7	2	.0035051	.0005740	.0015201	2.31	6.11	.0034701	.0004840	.0013851	2.51	7.17
4-25	7	3	.0034241	.0005113	.0013935	2.46	6.70	.0033161	.0004393	.0013855	2.39	7.55
4-25	8	1	.0048368	.0012317	.0022239	2.17	3.93	.0045048	.0010104	.0018919	2.38	4.46
4-25	8	2	.0035347	.0006057	.0015536	2.28	5.84	.0034997	.0005157	.0014186	2.47	6.79
4-25	8	3	.0034538	.0005151	.0013056	2.65	6.70	.0033458	.0004431	.0012976	2.58	7.55
4-25	9	1	.0044504	.0013210	.0027842	1.60	3.37	.0041184	.0010997	.0024522	1.68	3.75
4-25	9	2	.0038649	.0009456	.0017130	2.26	4.09	.0038339	.0008556	.0015780	2.43	4.48
4-25	9	3	.0035889	.0007104	.0014728	2.44	5.05	.0034809	.0006384	.0014648	2.38	5.45
4-25	10	1	.0046077	.0011596	.0023532	1.96	3.97	.0042757	.0009383	.0020212	2.12	4.56
4-25	10	2	.0033016	.0005740	.0015480	2.13	5.75	.0032666	.0004840	.0014130	2.31	6.75

STA NO	BOT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-25	10	3	.0033538	.0005924	.0013487	2.49	5.66	.0032458	.0005204	.0013407	2.42	6.24
4-25	11	1	.0045935	.0011871	.0026083	1.76	3.87	.0042615	.0009658	.0022763	1.87	4.41
4-25	11	2	.0033055	.0005122	.0014467	2.28	6.45	.0032705	.0004222	.0013117	2.49	7.75
4-25	11	3	.0030596	.0005151	.0013205	2.32	5.94	.0029516	.0006431	.0013125	2.25	6.66
4-25	12	1	.0039800	.0011425	.0025975	1.53	3.48	.0036480	.0009212	.0022655	1.61	3.96
4-25	12	2	.0025841	.0005035	.0014807	1.75	5.13	.0025491	.0004135	.0013457	1.89	6.16
4-25	12	3	.0025646	.0004636	.0013984	1.83	5.53	.0024566	.0003916	.0013904	1.77	6.27
4-25	13	1	.0050007	.0012317	.0026610	1.88	4.06	.0046687	.0010104	.0023290	2.00	4.62
4-25	13	2	.0029802	.0005209	.0015320	1.95	5.72	.0029452	.0004309	.0013970	2.11	6.84
4-25	13	3	.0026453	.0004601	.0013255	2.00	5.75	.0025373	.0003881	.0013175	1.93	6.54
4-26	1	1	.0102671	.0019094	.0027088	3.79	5.38	.0099351	.0016881	.0023768	4.18	5.89
4-26	1	2	.0089192	.0012209	.0016053	5.56	7.31	.0088842	.0011309	.0014703	6.04	7.86
4-26	1	3	.0078487	.0010387	.0013631	5.76	7.56	.0077407	.0009667	.0013970	5.71	8.01
4-26	2	1	.0082792	.0018806	.0027755	2.98	4.40	.0079472	.0016593	.0024435	3.25	4.79
4-26	2	2	.0071896	.0009145	.0015256	4.71	7.86	.0071546	.0008245	.0013906	5.14	8.68
4-26	2	3	.0062543	.0009291	.0015933	3.93	6.73	.0061463	.0008571	.0015853	3.88	7.17
4-26	3	1	.0066335	.0016599	.0025344	2.62	4.00	.0063015	.0014386	.0022024	2.86	4.38
4-26	3	2	.0059640	.0009221	.0015023	3.97	6.47	.0059290	.0008321	.0013673	4.34	7.13
4-26	3	3	.0054668	.0007995	.0013290	4.11	6.84	.0053588	.0007275	.0013210	4.06	7.37
4-26	4	1	.0051622	.0012184	.0022867	2.26	4.24	.0048302	.0009971	.0019547	2.47	4.84
4-26	4	2	.0038860	.0006336	.0012654	3.07	6.13	.0038510	.0005438	.0011304	3.41	7.08
4-26	4	3	.0037275	.0005229	.0010572	3.53	7.13	.0036195	.0004509	.0010492	3.45	8.03
4-26	5	1	.0047953	.0012906	.0023207	2.07	3.72	.0044633	.0010693	.0019887	2.24	4.17
4-26	5	2	.0036569	.0005806	.0012633	2.85	6.30	.0036219	.0004906	.0011483	3.15	7.38
4-26	5	3	.0036301	.0005096	.0010859	3.34	7.12	.0035221	.0004376	.0010779	3.27	8.05
4-26	6	1	.0056440	.0013730	.0025612	2.20	4.11	.0053120	.0011517	.0022292	2.38	4.61
4-26	6	2	.0045266	.0007621	.0014327	3.16	5.94	.0044916	.0006721	.0012977	3.46	6.68
4-26	6	3	.0045468	.0006299	.0011788	3.86	7.22	.0044388	.0005579	.0011708	3.79	7.96
4-26	7	1	.0052501	.0013401	.0023975	2.19	3.92	.0049181	.0011188	.0020655	2.38	4.40
4-26	7	2	.0041403	.0007621	.0013826	2.99	5.43	.0041053	.0006721	.0012476	3.29	6.11
4-26	7	3	.0051261	.0006815	.0011629	4.41	7.52	.0050181	.0006095	.0011549	4.35	8.23
4-26	8	1	.0039045	.0010148	.0019477	2.00	3.85	.0035725	.0007935	.0016157	2.21	4.50
4-26	8	2	.0030702	.0005806	.0012730	2.41	5.29	.0030352	.0004906	.0011380	2.67	6.19
4-26	8	3	.0031079	.0005150	.0010625	2.93	6.03	.0029999	.0004430	.0010545	2.84	6.77
4-26	9	1	.0040537	.0011557	.0021900	1.85	3.51	.0037217	.0009344	.0018580	2.00	3.98
4-26	9	2	.0025302	.0004488	.0011850	2.14	5.64	.0024952	.0003588	.0010500	2.38	6.95
4-26	9	3	.0026013	.0004343	.0010087	2.58	5.98	.0024933	.0003628	.0010007	2.49	6.87
4-26	10	1	.0039507	.0010824	.0021888	1.80	3.65	.0036187	.0008611	.0018568	1.95	4.20
4-26	10	2	.0028287	.0004642	.0010856	2.61	6.09	.0027937	.0003742	.0009506	2.94	7.47
4-26	10	3	.0024874	.0003423	.0009144	2.72	7.27	.0023794	.0002703	.0009064	2.63	8.80
4-26	11	1	.0040884	.0010914	.0021465	1.90	3.75	.0037564	.0008701	.0018145	2.07	4.32
4-26	11	2	.0029134	.0005106	.0011893	2.45	5.71	.0028784	.0004206	.0010548	2.73	6.84
4-26	11	3	.0028574	.0003667	.0010124	2.82	7.79	.0027494	.0002947	.0010044	2.74	9.33
4-26	12	1	.0036496	.0011001	.0021815	1.67	3.32	.0033176	.0008783	.0018495	1.79	3.78
4-26	12	2	.0024601	.0004255	.0011420	2.15	5.78	.0024251	.0003355	.0010070	2.41	7.23
4-26	12	3	.0022039	.0003423	.0009999	2.20	6.44	.0020959	.0002703	.0009919	2.11	7.75
4-26	13	1	.0035715	.0010984	.0023151	1.54	3.25	.0032395	.0008771	.0019831	1.63	3.69
4-26	13	2	.0021803	.0004389	.0011748	1.86	4.97	.0021453	.0003489	.0010398	2.06	6.15
4-26	13	3	.0022499	.0003596	.0008827	2.55	6.27	.0021419	.0002866	.0008747	2.45	7.47
4-26	14	1	.0038486	.0011001	.0022547	1.71	3.50	.0035166	.0008788	.0019227	1.83	4.00

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-26	14	2	.0027193	.0004680	.0011647	2.33	5.81	.0026843	.0003780	.0010297	2.61	7.10
4-26	14	3	.0026516	.0003640	.0009747	2.72	7.29	.0025436	.0002920	.0009667	2.63	8.71
4-26	15	1	.0052609	.0012761	.0022548	2.33	4.12	.0049289	.0010548	.0019228	2.56	4.67
4-26	15	2	.0038545	.0006435	.0012304	3.13	5.99	.0038195	.0005535	.0010954	3.49	6.90
4-26	15	3	.0019074	.0004853	.0010401	1.83	3.93	.0017994	.0004133	.0010321	1.74	4.35
4-26	16	1	.0040383	.0012721	.0022264	1.81	3.17	.0037063	.0010508	.0018944	1.96	3.53
4-26	16	2	.0028446	.0005531	.0012960	2.21	5.14	.0028096	.0004631	.0011550	2.43	6.07
4-26	16	3	.0029990	.0004094	.0009903	3.03	7.32	.0028910	.0003374	.0009823	2.94	8.57
4-26	17	1	.0082199	.0018042	.0025459	3.23	4.56	.0078879	.0015829	.0022139	3.56	4.98
4-26	17	2	.0064704	.0011583	.0015722	4.16	5.59	.0064354	.0010683	.0014222	4.52	6.02
4-26	17	3	.0069572	.0010024	.0012863	5.41	6.94	.0068492	.0009304	.0012783	5.36	7.36
4-26	18	1	.0055926	.0014081	.0023767	2.35	3.97	.0052606	.0011868	.0020447	2.57	4.43
4-26	18	2	.0044282	.0007269	.0012694	3.49	6.09	.0043932	.0005369	.0011344	3.87	6.90
4-26	18	3	.0048183	.0006112	.0010313	4.67	7.88	.0047103	.0005392	.0010233	4.60	8.74
4-26	19	1	.0068471	.0016282	.0024972	2.74	4.21	.0065151	.0014069	.0021652	3.01	4.63
4-26	19	2	.0053572	.0007722	.0013700	3.91	6.94	.0053222	.0006822	.0012350	4.31	7.80
4-26	19	3	.0051883	.0007335	.0011293	4.59	7.07	.0050803	.0006615	.0011213	4.53	7.68
4-26	20	1	.0067610	.0014639	.0025905	2.61	4.62	.0064290	.0012426	.0022585	2.85	5.17
4-26	20	2	.0050523	.0007722	.0014472	3.49	6.54	.0050173	.0006822	.0013122	3.82	7.35
4-26	20	3	.0053157	.0007391	.0013040	4.08	7.19	.0052077	.0006671	.0012960	4.02	7.81
4-27	1	1	.0107260	.0017206	.0027665	3.88	6.23	.0103940	.0014993	.0024345	4.27	6.93
4-27	1	2	.0085865	.0011032	.0016990	5.05	7.74	.0085516	.0010192	.0015640	5.47	8.39
4-27	1	3	.0079697	.0009830	.0014561	5.47	8.11	.0078617	.0009110	.0014481	5.43	8.63
4-27	2	1	.0104465	.0019812	.0029763	3.51	5.27	.0101145	.0017599	.0026443	3.83	5.75
4-27	2	2	.0104347	.0014949	.0011630	8.97	6.98	.0103997	.0014049	.0010280	0.1*	7.40
4-27	2	3	.0097843	.0014386	.0019184	5.10	6.80	.0096763	.0013666	.0019104	5.06	7.08
4-27	3	1	.0054543	.0012987	.0023095	2.36	4.20	.0051223	.0010774	.0019775	2.59	4.75
4-27	3	2	.0040022	.0006394	.0013075	3.06	6.26	.0039672	.0005494	.0011725	3.38	7.22
4-27	3	3	.0043363	.0007167	.0011778	3.68	6.65	.0042283	.0006447	.0011698	3.61	6.56
4-27	4	1	.0058017	.0013730	.0024380	2.38	4.23	.0054697	.0011517	.0021060	2.60	4.75
4-27	4	2	.0051097	.0007460	.0014221	3.59	6.85	.0050747	.0006560	.0012871	3.94	7.74
4-27	4	3	.0045411	.0006520	.0013043	3.48	6.97	.0044331	.0005800	.0012963	3.42	7.64
4-27	5	1	.0061797	.0013412	.0024117	2.56	4.61	.0058477	.0011199	.0020797	2.81	5.22
4-27	5	2	.0057306	.0006804	.0013358	4.29	8.42	.0056956	.0005904	.0012008	4.74	9.65
4-27	5	3	.0046336	.0006985	.0012118	3.82	6.63	.0045256	.0006265	.0012038	3.76	7.22
4-27	6	1	.0049177	.0012467	.0023750	2.07	3.94	.0045857	.0010254	.0020430	2.24	4.47
4-27	6	2	.0035423	.0006100	.0013135	2.70	5.81	.0035073	.0005200	.0011785	2.98	6.75
4-27	6	3	.0034585	.0005317	.0010345	3.34	6.50	.0033505	.0004597	.0010265	3.26	7.29
4-27	7	1	.0041979	.0011152	.0021664	1.94	3.76	.0038659	.0008939	.0018344	2.11	4.32
4-27	7	2	.0028636	.0004880	.0011839	2.42	5.87	.0028286	.0003980	.0010485	2.70	7.11
4-27	7	3	.0029264	.0004855	.0010901	2.68	6.03	.0028184	.0004135	.0010821	2.60	6.82
4-27	8	1	.0041979	.0011571	.0021664	1.94	3.63	.0038659	.0009359	.0018344	2.11	4.13
4-27	8	2	.0032071	.0005286	.0011398	2.81	6.07	.0031721	.0004386	.0010048	3.16	7.23
4-27	8	3	.0030196	.0004624	.0009629	3.14	6.53	.0029116	.0003904	.0009549	3.05	7.46
4-27	9	1	.0040858	.0011793	.0022457	1.32	3.46	.0037538	.0009580	.0019137	1.96	3.92
4-27	9	2	.0028018	.0005530	.0011738	2.39	5.07	.0027668	.0004630	.0010388	2.66	5.98
4-27	9	3	.0026644	.0004161	.0010117	2.63	6.40	.0025564	.0003441	.0010037	2.55	7.43
4-27	10	1	.0036069	.0011536	.0022457	1.61	3.13	.0032749	.0009323	.0019137	1.71	3.51
4-27	10	2	.0025488	.0005124	.0012891	1.98	4.97	.0025138	.0004224	.0011541	2.18	5.95
4-27	10	3	.0023990	.0004161	.0010218	2.35	5.77	.0022910	.0003441	.0010138	2.26	6.66

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-27	11	1	.0045358	.0012046	.0022608	2.01	3.77	.0042038	.0009833	.0019288	2.18	4.28
4-27	11	2	.0031102	.0005937	.0012367	2.51	5.24	.0030752	.0005037	.0011017	2.79	6.11
4-27	11	3	.0030810	.0005279	.0010581	2.91	5.84	.0029739	.0004559	.0010501	2.83	6.52
4-27	12	1	.0039280	.0011118	.0022015	1.78	3.53	.0035960	.0008905	.0018695	1.92	4.04
4-27	12	2	.0025300	.0005084	.0012481	2.03	4.98	.0024950	.0004184	.0011131	2.24	5.96
4-27	12	3	.0022289	.0004161	.0008516	2.62	5.36	.0021209	.0003441	.0008436	2.51	6.16

STA NO	BOT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-28	1	1	.0122778	.0019072	.0025921	4.74	6.44	.0119458	.0016859	.0022601	5.29	7.09
4-28	1	2	.0095671	.0013162	.0016608	5.76	7.27	.0095321	.0012262	.0015258	6.25	7.77
4-28	1	3	.0100345	.0012363	.0016460	6.10	8.12	.0099265	.0011643	.0016380	6.06	8.53
4-28	2	1	.0113623	.0021075	.0029320	3.88	5.39	.0110303	.0018862	.0026000	4.24	5.85
4-28	2	2	.0112055	.0015535	.0018664	6.00	7.21	.0111705	.0014635	.0017314	6.45	7.63
4-28	2	3	.0109017	.0013691	.0017142	6.36	7.96	.0107937	.0012971	.0017062	6.33	8.32
4-28	3	1	.0077102	.0015126	.0024863	3.10	5.10	.0073782	.0012913	.0021543	3.42	5.71
4-28	3	2	.0078887	.0009841	.0013969	5.65	8.02	.0078537	.0008941	.0012619	6.22	8.78
4-28	3	3	.0099529	.0008908	.0012323	7.35	0.1*	.0089449	.0008188	.0012243	7.31	0.9*
4-28	4	1	.0056386	.0012379	.0022018	2.56	4.55	.0053066	.0010166	.0018698	2.84	5.22
4-28	4	2	.0044515	.0006892	.0007382	6.03	6.46	.0044165	.0005992	.0006032	7.32	7.37
4-28	4	3	.0049730	.0006137	.0010917	4.56	8.10	.0048650	.0005417	.0010837	4.49	8.98
4-28	5	1	.0066780	.0013634	.0023540	2.84	4.90	.0063460	.0011421	.0020220	3.14	5.56
4-28	5	2	.0066665	.0008133	.0013066	5.10	8.20	.0066315	.0007233	.0011716	5.66	9.17
4-28	5	3	.0071324	.0007081	.0012261	5.82	0.0*	.0070244	.0006361	.0012181	5.77	1.0*
4-28	6	1	.0065459	.0014052	.0023910	2.74	4.66	.0062139	.0011839	.0020590	3.02	5.25
4-28	6	2	.0050912	.0007685	.0013599	3.74	6.62	.0050562	.0006785	.0012249	4.13	7.45
4-28	6	3	.0049695	.0006609	.0011820	4.20	7.52	.0048615	.0005889	.0011740	4.14	8.25
4-28	7	1	.0044539	.0011961	.0022785	1.96	3.73	.0041279	.0009748	.0019465	2.12	4.23
4-28	7	2	.0036083	.0005530	.0011556	3.12	6.52	.0035733	.0004630	.0010206	3.50	7.72
4-28	7	3	.0035952	.0005860	.0010815	3.32	6.13	.0034872	.0005140	.0010735	3.25	6.78
4-28	8	1	.0036625	.0010885	.0020372	1.80	3.36	.0033305	.0008672	.0017052	1.95	3.84
4-28	8	2	.0025775	.0004919	.0010798	2.39	5.24	.0025425	.0004019	.0009448	2.69	6.33
4-28	8	3	.0025257	.0004219	.0009430	2.68	5.99	.0024177	.0003499	.0009350	2.59	6.91
4-28	9	1	.0043303	.0012379	.0022515	1.92	3.50	.0039983	.0010166	.0019195	2.08	3.93
4-28	9	2	.0032993	.0006181	.0011673	2.83	5.34	.0032643	.0005281	.0010323	3.16	6.18
4-28	9	3	.0033323	.0006564	.0009123	3.65	5.08	.0032249	.0005844	.0009043	3.57	5.52
4-28	10	1	.0032101	.0010705	.0021309	1.51	3.00	.0028781	.0008492	.0017988	1.60	3.39
4-28	10	2	.0021813	.0005124	.0011477	1.90	4.26	.0021463	.0004224	.0010127	2.12	5.08
4-28	10	3	.0023374	.0004613	.0009873	2.37	5.07	.0022294	.0003893	.0009793	2.28	5.73
4-28	11	1	.0040558	.0011543	.0022619	1.79	3.51	.0037238	.0009330	.0019299	1.93	3.99
4-28	11	2	.0025958	.0005041	.0011517	2.25	5.15	.0025608	.0004141	.0010167	2.52	6.18
4-28	11	3	.0027030	.0004688	.0009900	2.73	5.77	.0025950	.0003968	.0009820	2.64	6.54
4-28	12	1	.0034331	.0010623	.0020594	1.67	3.23	.0031011	.0008410	.0017274	1.80	3.69
4-28	12	2	.0022913	.0005487	.0010414	2.20	4.18	.0022563	.0004587	.0009064	2.49	4.92
4-28	12	3	.0020786	.0004219	.0009241	2.25	4.93	.0019706	.0003499	.0009161	2.15	5.63
4-28	13	1	.0048870	.0013466	.0022559	2.17	3.67	.0045550	.0011253	.0019239	2.77	4.05
4-28	13	2	.0035494	.0006344	.0011268	3.15	5.60	.0035144	.0005444	.0009916	3.54	6.46
4-28	13	3	.0035059	.0005391	.0010490	3.34	6.50	.0033989	.0004671	.0010410	3.27	7.28
4-28	14	1	.0036816	.0010952	.0021444	1.72	3.36	.0033496	.0008739	.0018124	1.85	3.83
4-28	14	2	.0023391	.0004717	.0011106	2.11	4.96	.0023031	.0003817	.0009756	2.36	6.03
4-28	14	3	.0024193	.0004889	.0009399	2.57	4.95	.0023113	.0004169	.0009319	2.48	5.54
4-28	15	1	.0055683	.0013132	.0023323	2.39	4.24	.0052363	.0010919	.0020003	2.62	4.80
4-28	15	2	.0053595	.0007214	.0013499	3.97	7.43	.0053245	.0006314	.0012149	4.38	8.43
4-28	15	3	.0056661	.0006474	.0010745	5.27	8.75	.0055581	.0005754	.0010665	5.21	9.66
4-28	16	1	.0038823	.0006835	.0020738	1.87	5.68	.0035508	.0004622	.0017418	2.04	7.68
4-28	16	2	.0024326	.0004717	.0010760	2.26	5.16	.0023976	.0003817	.0009410	2.55	6.28
4-28	16	3	.0022723	.0004249	.0009598	2.37	5.35	.0021643	.0003529	.0009518	2.27	6.13
4-28	17	1	.0042507	.0011727	.0022931	1.85	3.62	.0039187	.0009514	.0019611	2.00	4.12
4-28	17	2	.0027296	.0005329	.0011993	2.28	5.12	.0026946	.0004429	.0010643	2.53	6.08

STA NO	BOT NO	LAW	WATER + PARTICLES						PARTICLES					
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90		
4-28	17	3	.0028108	.0005429	.0010296	2.73	5.18	.0027028	.0004709	.0010216	2.65	5.74		
4-28	18	1	.0036114	.0011543	.0021829	1.65	3.13	.0032794	.0009330	.0018509	1.77	3.52		
4-28	18	2	.0027443	.0004832	.0011561	2.37	5.68	.0027093	.0003932	.0010211	2.65	6.89		
4-28	18	3	.0028307	.0004567	.0016169	2.78	6.20	.0027227	.0003847	.0010089	2.70	7.08		
4-28	19	1	.0040583	.0011710	.0021979	1.85	3.47	.0037263	.0009497	.0018659	2.00	3.92		
4-28	19	2	.0029928	.0005124	.0010547	2.84	5.84	.0029578	.0004224	.0009197	3.22	7.00		
4-28	19	3	.0026154	.0004219	.0009396	2.78	6.20	.0025074	.0003499	.0009316	2.69	7.17		
4-28	20	1	.0044695	.0011543	.0020225	2.21	3.87	.0041376	.0009330	.0016905	2.45	4.43		
4-28	20	2	.0027443	.0004832	.0011561	2.37	5.68	.0027093	.0003932	.0010211	2.65	6.89		
4-28	20	3	.0028142	.0004485	.0009392	3.00	6.28	.0027062	.0003765	.0009312	2.91	7.19		
4-29	1	1	.0096081	.0016302	.0024215	3.97	5.89	.0092761	.0014089	.0020895	4.44	6.58		
4-29	1	2	.0076760	.0009627	.0014674	5.23	7.97	.0076410	.0008727	.0013324	5.73	8.76		
4-29	1	3	.0067029	.0008958	.0013179	5.09	7.48	.0065949	.0008238	.0013099	5.03	8.01		
4-29	2	1	.0112585	.0018876	.0027521	4.09	5.96	.0109265	.0016663	.0024201	4.51	6.56		
4-29	2	2	.0122582	.0014347	.0016624	7.37	8.54	.0122232	.0033447	.0015274	8.00	9.09		
4-29	2	3	.0125322	.0012106	.0012814	9.78	0.3*	.0124242	.0011386	.0012734	9.76	0.9*		
4-29	3	1	.0098143	.0016302	.0027087	3.62	6.02	.0094823	.0014089	.0023767	3.99	6.73		
4-29	3	2	.0126310	.0014769	.0017773	7.11	8.55	.0125960	.0013869	.0016423	7.67	9.08		
4-29	3	3	.0137244	.0014144	.0017146	8.00	9.70	.0136164	.0013424	.0017066	7.98	0.1*		
4-29	4	1	.00500520	.000266*	.0023013	2.17	8.8*	.00467320	.000487*	.0019693	2.37	9.5*		
4-29	4	2	.00414650	.000312*	.0013258	3.13	3.2*	.00411150	.000402*	.0011908	3.45	0.2*		
4-29	4	3	.00424250	.001048*	.0011432	3.71	4.0*	.00413450	.001120*	.0011352	3.64	3.6*		
4-29	5	1	.00527490	.000266*	.0022583	2.34	9.8*	.00494290	.000487*	.0019263	2.57	0.1*		
4-29	5	2	.00487080	.000309*	.0012862	3.79	5.7*	.00483580	.000399*	.0011512	4.20	2.1*		
4-29	5	3	.0054011	.0006036	.0010862	4.97	8.95	.0052931	.0005316	.0010782	4.91	9.96		
4-29	6	1	.0082125	.0015444	.0025401	3.23	5.32	.0078805	.0013231	.0022081	3.57	5.96		
4-29	6	2	.0099341	.0011815	.0015592	5.79	7.65	.0089991	.0010915	.0014242	6.32	8.24		
4-29	6	3	.0096618	.0009685	.0013535	7.14	9.98	.0095538	.0009865	.0013455	7.10	0.6*		
4-29	7	1	.0045367	.0012527	.0022863	1.98	3.62	.0042047	.0010314	.0019543	2.15	4.08		
4-29	7	2	.0038007	.0005860	.0012309	3.09	6.49	.0037657	.0004960	.0010959	3.44	7.59		
4-29	7	3	.0040290	.0005569	.0010865	3.71	7.24	.0039210	.0004849	.0010785	3.64	8.09		
4-29	8	1	.0039402	.0011154	.0021123	1.87	3.53	.0036082	.0008941	.0017803	2.03	4.04		
4-29	8	2	.0025280	.0005039	.0010270	2.46	5.02	.0024930	.0004139	.0008920	2.79	6.02		
4-29	8	3	.0025350	.0004808	.0009691	2.62	5.27	.0024270	.0004088	.0009611	2.53	5.94		
4-29	9	1	.0035922	.0010725	.0026927	1.72	3.35	.0032602	.0008512	.0017607	1.85	3.83		
4-29	9	2	.0026026	.0004811	.0010942	2.38	5.41	.0025676	.0003911	.0009592	2.68	6.57		
4-29	9	3	.0024626	.0004842	.0009240	2.67	5.09	.0023546	.0004122	.0009160	2.57	5.71		
4-29	10	1	.0039799	.0011583	.0022419	1.78	3.44	.0036479	.0009370	.0019099	1.91	3.89		
4-29	10	2	.0025611	.0005486	.0012532	2.12	4.85	.0026261	.0004586	.0011182	2.35	5.73		
4-29	10	3	.0027335	.0005569	.0010987	2.49	4.91	.0026255	.0004849	.0010907	2.41	5.41		
4-29	11	1	.0036693	.0010983	.0021832	1.68	3.34	.0033373	.0008770	.0018562	1.80	3.81		
4-29	11	2	.0023548	.0005023	.0011579	2.03	4.69	.0023198	.0004123	.0010229	2.27	5.63		
4-29	11	3	.0025336	.0004808	.0010059	2.52	5.27	.0024256	.0004088	.0009979	2.43	5.93		
4-29	12	1	.0040493	.0011154	.0021409	1.89	3.63	.0037173	.0008941	.0018089	2.05	4.16		
4-29	12	2	.0020561	.0004642	.0010505	1.96	4.43	.0020211	.0003742	.0009155	2.21	5.40		
4-29	12	3	.0022363	.0004389	.0009772	2.29	5.09	.0021283	.0003669	.0009692	2.20	5.80		
4-30	1	1	.0136226	.0017602	.0026227	4.05	6.03	.0102906	.0015389	.0022907	4.49	6.69		
4-30	1	2	.0087169	.0010972	.0015390	5.66	7.94	.0086319	.0010072	.0014040	6.18	8.62		
4-30	1	3	.0082612	.0009562	.0013302	6.21	8.64	.0081532	.0008842	.0013222	6.17	9.22		
4-30	2	1	.0078757	.0015402	.0025590	3.08	5.11	.0075437	.0013189	.0022270	3.39	5.72		

STA NO	BOT NO	LAWA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-30	2	2	.0073208	.0008440	.0014631	5.00	8.67	.0072858	.0007340	.0013281	5.49	9.66
4-30	2	3	.0078074	.0008367	.0012561	6.22	9.33	.0076994	.0007647	.0012481	6.17	0.0*
4-30	3	1	.0085577	.0017162	.0027012	3.17	4.99	.0082257	.0014949	.0023692	3.47	5.50
4-30	3	2	.0085222	.0012237	.0016432	5.19	6.96	.0084872	.0011337	.0015082	5.63	7.49
4-30	3	3	.0084407	.0009562	.0014147	5.97	8.83	.0083327	.0008842	.0014067	5.92	9.42
4-30	4	1	.0047206	.0011787	.0021892	2.16	4.00	.0043886	.0009574	.0018572	2.36	4.58
4-30	4	2	.0036003	.0005860	.0012065	2.98	6.14	.0035653	.0004960	.0010715	3.33	7.19
4-30	4	3	.0036150	.0005976	.0010135	3.57	6.05	.0035070	.0005256	.0010055	3.49	6.67
4-30	5	1	.0048451	.0013244	.0021098	2.30	3.66	.0045131	.0011031	.0017778	2.54	4.09
4-30	5	2	.0038399	.0006351	.0011158	3.44	6.05	.0038049	.0005451	.0009808	3.88	6.98
4-30	5	3	.0038270	.0006021	.0009956	3.84	6.36	.0037190	.0005301	.0009876	3.77	7.02
4-30	6	1	.0058476	.0013970	.0023799	2.46	4.19	.0055156	.0011757	.0020479	2.69	4.69
4-30	6	2	.0047826	.0007596	.0014306	3.34	6.30	.0047476	.0006696	.0012956	3.66	7.09
4-30	6	3	.0045810	.0006407	.0011315	4.05	7.15	.0044730	.0005687	.0011235	3.98	7.87
4-30	7	1	.0041231	.0011350	.0021118	1.95	3.63	.0037911	.0009137	.0017798	2.13	4.15
4-30	7	2	.0030287	.0005190	.0011003	2.75	5.84	.0029937	.0004290	.0009653	3.10	6.98
4-30	7	3	.0026825	.0004746	.0009861	2.72	5.65	.0025745	.0004026	.0009781	2.63	6.39
4-30	8	1	.0037222	.0011350	.0021270	1.75	3.28	.0033902	.0009137	.0019950	1.89	3.71
4-30	8	2	.0024533	.0004604	.0010902	2.25	5.33	.0024183	.0003704	.0009552	2.53	6.53
4-30	8	3	.0022669	.0004509	.0009475	2.39	5.03	.0021589	.0003789	.0009395	2.30	5.70
4-30	9	1	.0034965	.0010655	.0020515	1.70	3.28	.0031645	.0008442	.0017195	1.84	3.75
4-30	9	2	.0020233	.0004642	.0010646	1.90	4.30	.0019883	.0003742	.0009296	2.14	5.31
4-30	9	3	.0021475	.0004284	.0009187	2.34	5.01	.0020395	.0003564	.0009107	2.24	5.72
4-30	10	1	.0031542	.0010739	.0021486	1.47	2.94	.0028222	.0008526	.0018166	1.55	3.31
4-30	10	2	.0020013	.0005441	.0012033	1.66	3.68	.0019663	.0004541	.0010683	1.84	4.33
4-30	10	3	.0017417	.0004034	.0009312	1.87	4.32	.0016337	.0003314	.0009232	1.77	4.93
4-30	11	1	.0035192	.0011350	.0022015	1.60	3.10	.0031872	.0009137	.0018695	1.70	3.49
4-30	11	2	.0024064	.0004811	.0011662	2.06	5.00	.0023714	.0003911	.0010312	2.30	6.06
4-30	11	3	.0022662	.0004271	.0009656	2.35	5.31	.0021582	.0003551	.0009576	2.25	6.08
4-30	12	1	.0036916	.0011261	.0021434	1.72	3.28	.0033596	.0009048	.0018114	1.85	3.71
4-30	12	2	.0024533	.0005023	.0010902	2.25	4.88	.0024183	.0004123	.0009552	2.53	5.87
4-30	12	3	.0023214	.0004271	.0009454	2.46	5.43	.0022134	.0003551	.0009374	2.36	6.23
4-30	13	1	.0040537	.0011787	.0021811	1.86	3.44	.0037217	.0009574	.0018491	2.01	3.89
4-30	13	2	.0023900	.0004604	.0010734	2.23	5.19	.0023550	.0003704	.0009384	2.51	6.36
4-30	13	3	.0023400	.0004731	.0009158	2.56	4.89	.0022320	.0004061	.0009078	2.46	5.50
4-30	14	1	.0037571	.0011434	.0021608	1.74	3.29	.0034251	.0009221	.0018288	1.87	3.71
4-30	14	2	.0024964	.0004733	.0010980	2.27	5.27	.0024614	.0003833	.0009630	2.56	6.42
4-30	14	3	.0023960	.0005182	.0008990	2.67	4.62	.0022880	.0004462	.0008910	2.57	5.13
4-30	15	1	.0040727	.0011657	.0022207	1.83	3.49	.0037407	.0009444	.0018887	1.98	3.96
4-30	15	2	.0030006	.0005812	.0011868	2.53	5.16	.0029656	.0004912	.0010518	2.82	6.04
4-30	15	3	.0027905	.0004711	.0009380	2.97	5.92	.0026825	.0003991	.0009300	2.88	6.72
4-30	16	1	.0043142	.0013322	.0022661	1.90	3.24	.0039822	.0011109	.0019341	2.06	3.58
4-30	16	2	.0028281	.0005950	.0011870	2.38	4.75	.0027931	.0005050	.0010520	2.65	5.53
4-30	16	3	.0030201	.0005889	.0010553	2.86	5.13	.0029121	.0005169	.0010473	2.78	5.63
4-30	17	1	.0039911	.0012032	.0021273	1.88	3.32	.0036591	.0009819	.0017957	2.04	3.73
4-30	17	2	.0031797	.0005424	.0010587	3.00	5.86	.0031447	.0004524	.0009237	3.40	6.95
4-30	17	3	.0028676	.0005221	.0008884	3.23	5.49	.0027596	.0004501	.0008804	3.13	6.13
4-30	18	1	.0043155	.0012462	.0022332	1.93	3.46	.0039835	.0010249	.0019012	2.10	3.89
4-30	18	2	.0030666	.0005397	.0011208	2.74	5.68	.0030316	.0004497	.0009858	3.08	6.74
4-30	18	3	.0028432	.0005418	.0009720	2.93	5.25	.0027352	.0004698	.0009640	2.84	5.82

STA NO	BOT NO	LAWA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-30	19	1	.0043489	.0011603	.0022188	1.96	3.75	.0040169	.0009390	.0018868	2.13	4.28
4-30	19	2	.0028241	.0005257	.0011870	2.38	5.37	.0027891	.0004357	.0010520	2.65	6.40
4-30	19	3	.0026629	.0004711	.0009789	2.72	5.65	.0025549	.0003991	.0009709	2.63	6.40
4-30	20	1	.0045148	.0012892	.0021731	2.08	3.50	.0041828	.0010679	.0018411	2.27	3.92
4-30	20	2	.0031429	.0006675	.0011877	2.65	4.71	.0031079	.0005775	.0010527	2.95	5.38
4-30	20	3	.0030423	.0005932	.0010631	2.86	5.13	.0029343	.0005212	.0010551	2.78	5.63
4-31	1	1	.0129945	.0020195	.0028770	4.52	6.43	.0126625	.0017982	.0025450	4.98	7.04
4-31	1	2	.0104824	.0012108	.0016593	6.32	8.66	.0104474	.0011208	.0015243	6.85	9.32
4-31	1	3	.0100979	.0011595	.0015191	6.52	8.67	.0099499	.0010875	.0015111	6.58	9.17
4-31	2	1	.0099272	.0016467	.0026548	3.74	6.03	.0095952	.0014254	.0023226	4.13	6.73
4-31	2	2	.0087807	.0011262	.0016269	5.40	7.80	.0087457	.0010362	.0014919	5.86	8.44
4-31	2	3	.0090324	.0010204	.0013532	6.68	8.80	.0089244	.0009544	.0013452	6.63	9.35
4-31	3	1	.0064967	.0014392	.0025059	2.59	4.51	.0061647	.0012179	.0021739	2.84	5.06
4-31	3	2	.0062274	.0008794	.0014467	4.30	7.08	.0061884	.0007894	.0013117	4.72	7.84
4-31	3	3	.0058687	.0007193	.0012977	4.52	8.16	.0057607	.0006473	.0012827	4.47	8.90
4-31	4	1	.0056779	.0012861	.0022611	2.51	4.41	.0053459	.0010648	.0019291	2.77	5.02
4-31	4	2	.0041769	.0006551	.0012082	3.46	6.38	.0041419	.0005651	.0010732	3.86	7.33
4-31	4	3	.0041659	.0005906	.0010694	3.90	7.05	.0040579	.0005186	.0010614	3.82	7.82
4-31	5	1	.0058736	.0013730	.0023532	2.50	4.28	.0055416	.0011517	.0020212	2.74	4.81
4-31	5	2	.0047492	.0008230	.0013469	3.53	5.77	.0047142	.0007330	.0012119	3.89	6.43
4-31	5	3	.0047048	.0006615	.0011391	4.13	7.11	.0045968	.0005895	.0011311	4.06	7.80
4-31	6	1	.0062632	.0013730	.0023384	2.68	4.56	.0059312	.0011517	.0020064	2.96	5.15
4-31	6	2	.0048128	.0007391	.0013638	3.53	6.51	.0047778	.0016491	.0012288	3.89	7.36
4-31	6	3	.0049158	.0007378	.0012681	3.88	6.66	.0048088	.0036658	.0012601	3.82	7.22
4-31	7	1	.0040864	.0011557	.0022020	1.86	3.54	.0037544	.0009344	.0018700	2.01	4.02
4-31	7	2	.0030237	.0005711	.0011558	2.62	5.29	.0029887	.0004811	.0010208	2.93	6.21
4-31	7	3	.0030831	.0004725	.0010563	2.92	6.53	.0029751	.0004005	.0010483	2.84	7.43
4-31	8	1	.0046151	.0012426	.0022683	2.03	3.71	.0042831	.0010213	.0019363	2.21	4.19
4-31	8	2	.0032061	.0005274	.0011447	2.80	6.08	.0031711	.0004374	.0010097	3.14	7.25
4-31	8	3	.0032653	.0005434	.0010133	3.22	6.01	.0031573	.0004714	.0010053	3.14	6.70
4-31	9	1	.0034966	.0010605	.0021269	1.64	3.30	.0031646	.0008392	.0017949	1.76	3.77
4-31	9	2	.0021860	.0004437	.0010556	2.07	4.93	.0021510	.0003537	.0009206	2.34	6.08
4-31	9	3	.0020949	.0003544	.0009314	2.25	5.91	.0019869	.0002824	.0009234	2.15	7.04
4-31	10	1	.0031312	.0010777	.0022067	1.42	2.91	.0027992	.0008564	.0018747	1.49	3.27
4-31	10	2	.0021742	.0004415	.0010823	2.01	4.92	.0021392	.0003515	.0009473	2.26	6.09
4-31	10	3	.0020032	.0003544	.0009710	2.06	5.65	.0018952	.0002824	.0009630	1.97	6.71
4-31	11	1	.0033342	.0011036	.0020672	1.61	3.02	.0030022	.0008823	.0017352	1.73	3.40
4-31	11	2	.0025063	.0004855	.0010434	2.40	5.16	.0024713	.0003955	.0009084	2.72	6.25
4-31	11	3	.0023320	.0004253	.0008682	2.69	5.48	.0022240	.0003533	.0008602	2.59	6.30
4-31	12	1	.0043188	.0012329	.0021615	2.00	3.50	.0039868	.0010116	.0018295	2.18	3.94
4-31	12	2	.0032183	.0005039	.0011035	2.92	6.39	.0031833	.0004139	.0009685	3.29	7.69
4-31	12	3	.0037187	.0005434	.0009600	3.87	6.84	.0036107	.0004714	.0009520	3.79	7.66
4-32	1	1	.0059583	.0020015	.0030471	1.96	2.98	.0056263	.0017802	.0027151	2.07	3.16
4-32	1	2	.0104812	.0012108	.0016917	6.20	8.66	.0104462	.0011208	.0015567	6.71	9.32
4-32	1	3	.0095213	.0011734	.0015593	6.17	8.20	.0095133	.0011019	.0015513	6.13	8.63
4-32	2	1	.0111390	.0017963	.0026981	4.13	6.20	.0108070	.0015750	.0023661	4.57	6.86
4-32	2	2	.0034649	.0010839	.0016789	5.17	7.81	.0034299	.0009938	.0015039	5.61	8.48
4-32	2	3	.0080924	.0009853	.0015373	5.26	8.21	.0079844	.0009133	.0015293	5.22	8.74
4-32	3	1	.0083694	.0015372	.0024757	3.36	5.41	.0079774	.0013159	.0021437	3.72	6.06
4-32	3	2	.0075729	.0009992	.0015110	5.01	7.58	.0075379	.0009092	.0013760	5.48	8.29

STA NO	PCT NO	LAMBDA	WATER + PARTICLES			PARTICLES					45 135	45 90
			B(45)	B(90)	B(135)	B(45)	B(90)	B(135)	45 135	45 90		
4-32	3	3	.0075768	.0009293	.0012632	6.00	3.15	.0074688	.0008573	.0012552	5.95	8.71
4-32	4	1	.0049578	.0012553	.0023137	2.14	3.95	.0046258	.0010340	.0019817	2.33	4.47
4-32	4	2	.0039167	.0006232	.0012082	3.24	6.28	.0038817	.0005332	.0010732	3.62	7.28
4-32	4	3	.0039890	.0005691	.0010017	3.98	7.01	.0038810	.0004971	.0009937	3.91	7.81
4-32	5	1	.0056866	.0013645	.0022784	2.50	4.17	.0053546	.0011432	.0019464	2.75	4.68
4-32	5	2	.0051170	.0007391	.0012239	4.18	6.92	.0050820	.0006491	.0010889	4.67	7.83
4-32	5	3	.0050588	.0006848	.0011346	4.46	7.39	.0049508	.0006128	.0011266	4.39	8.08
4-32	6	1	.0050110	.0011917	.0023041	2.17	4.20	.0046792	.0009704	.0019721	2.37	4.82
4-32	6	2	.0042293	.0006971	.0012704	3.33	6.07	.0041943	.0006071	.0011354	3.69	6.91
4-32	6	3	.0042835	.0005585	.0010433	4.11	7.67	.0041755	.0004865	.0010353	4.03	8.58
4-32	7	1	.0044071	.0010622	.0022280	1.98	4.15	.0040751	.0006409	.0018960	2.15	4.45
4-32	7	2	.0032442	.0005334	.0011255	2.88	6.08	.0032092	.0004434	.0009905	3.24	7.24
4-32	7	3	.0030807	.0004371	.0009591	3.21	7.05	.0029727	.0003651	.0009511	3.13	8.14
4-32	8	1	.0036028	.0011917	.0020936	1.72	3.02	.0032708	.0009704	.0017616	1.86	3.37
4-32	8	2	.0026630	.0005504	.0010953	2.43	4.84	.0026280	.0004604	.0009608	2.74	5.71
4-32	8	3	.0024693	.0003941	.0009038	2.73	6.26	.0023613	.0003221	.0008958	2.64	7.33
4-32	9	1	.0043894	.0011302	.0020606	2.13	3.88	.0040574	.0009089	.0017286	2.35	4.46
4-32	9	2	.0029215	.0004911	.0011054	2.64	5.95	.0028865	.0004011	.0009704	2.97	7.20
4-32	9	3	.0028020	.0004856	.0009697	2.89	5.77	.0026940	.0004136	.0009617	2.80	6.51
4-32	10	1	.0032831	.0010877	.0021221	1.55	3.02	.0029511	.0003664	.0017901	1.65	3.41
4-32	10	2	.0021056	.0007331	.0012122	1.74	2.97	.0020706	.0006431	.0010772	1.92	3.22
4-32	10	3	.0023222	.0004339	.0009434	2.46	5.35	.0022142	.0003619	.0009354	2.37	6.12
4-32	11	1	.0038005	.0010622	.0022181	1.71	3.58	.0034685	.0003409	.0018861	1.84	4.12
4-32	11	2	.0025314	.0004911	.0011526	2.20	5.15	.0024964	.0004011	.0010176	2.45	6.22
4-32	11	3	.0025233	.0004371	.0009803	2.57	5.77	.0024153	.0003651	.0009723	2.48	6.62
4-32	12	1	.0042844	.0011302	.0022594	1.90	3.79	.0039524	.0009089	.0019274	2.05	4.35
4-32	12	2	.0028517	.0004911	.0012375	2.30	5.81	.0028167	.0004011	.0011025	2.55	7.02
4-32	12	3	.0027034	.0004856	.0011219	2.41	5.57	.0025954	.0004136	.0011139	2.33	6.27
4-32	13	1	.0036500	.0011054	.0025868	1.41	3.30	.0033180	.0003841	.0022548	1.47	3.75
4-32	13	2	.0024363	.0004703	.0014027	1.74	5.18	.0024018	.0003803	.0012677	1.89	6.32
4-32	13	3	.0024061	.0004038	.0011613	2.07	5.87	.0022981	.0003378	.0011533	1.99	6.80
4-32	14	1	.0035930	.0011132	.0025129	1.43	3.23	.0032610	.0008919	.0021809	1.50	3.66
4-32	14	2	.0026283	.0004756	.0013911	1.89	5.53	.0025933	.0003855	.0012561	2.06	6.73
4-32	14	3	.0023891	.0003591	.0011531	2.07	6.65	.0022811	.0002871	.0011451	1.99	7.95
4-32	15	1	.0064398	.0014141	.0028298	2.28	4.55	.0061078	.0011928	.0024976	2.45	5.12
4-32	15	2	.0138235	.0008444	.0013102	0.5*	6.3*	.0137885	.0007544	.0011752	1.7*	8.2*
4-32	15	3	.0061235	.0007899	.0015600	3.93	7.75	.0060155	.0007179	.0015520	3.88	8.38
4-32	16	1	.0044771	.0012737	.0029490	1.52	3.50	.0041451	.0010584	.0026170	1.58	3.92
4-32	16	2	.0029277	.0005574	.0017555	1.67	5.25	.0028927	.0004674	.0016205	1.79	6.19
4-32	16	3	.0037450	.0008378	.0014673	2.56	4.47	.0036410	.0007658	.0014593	2.50	4.75
4-32	17	1	.0043770	.0012577	.0023857	1.83	3.48	.0040450	.0010364	.0020537	1.97	3.90
4-32	17	2	.0030327	.0005619	.0012866	2.36	5.40	.0029977	.0004719	.0011516	2.60	6.35
4-32	17	3	.0028369	.0004774	.0011673	2.39	5.94	.0027289	.0004054	.0011793	2.31	6.73
4-32	18	1	.0032777	.0011302	.0022652	1.45	2.90	.0029457	.0009089	.0019332	1.52	3.24
4-32	18	2	.0030213	.0005711	.0012201	2.48	5.29	.0029863	.0004811	.0010851	2.75	6.21
4-32	18	3	.0039219	.0004910	.0009953	3.94	8.68	.0038139	.0003796	.0009873	3.86	0.0*
4-32	19	1	.0035465	.0011124	.0022493	1.58	3.19	.0032145	.0008911	.0019173	1.68	3.61
4-32	19	2	.0024255	.0004832	.0011683	2.08	5.02	.0023905	.0003932	.0010333	2.31	6.08
4-32	19	3	.0024667	.0004992	.0010506	2.35	4.94	.0023587	.0004272	.0010426	2.26	5.52
4-32	20	1	.0038756	.0010952	.0022628	1.71	3.54	.0035436	.0008739	.0019308	1.84	4.05

STA NO	RGT NO	LAMCA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-32	20	2	.0028612	.0005530	.0012461	2.30	5.17	.0028262	.0004630	.0011111	2.54	6.10
4-32	20	3	.0026472	.0005467	.0010801	2.45	4.84	.0025392	.0004747	.0010721	2.37	5.35
4-33	1	1	.0122421	.0018677	.0031603	3.87	6.55	.0119101	.0018464	.0028283	4.21	7.23
4-33	1	2	.0092894	.0011786	.0018924	4.91	7.88	.0092544	.0010886	.0017574	5.27	8.50
4-33	1	3	.0086217	.0010668	.0017846	4.83	8.08	.0085137	.0009948	.0017766	4.79	8.56
4-33	2	1	.0084764	.0016176	.0027976	3.03	5.24	.0081444	.0013963	.0024616	3.31	5.83
4-33	2	2	.0069389	.0009481	.0017637	3.93	7.32	.0069039	.0008581	.0016287	4.24	8.05
4-33	2	3	.0073335	.0008729	.0015556	4.71	8.40	.0072255	.0008009	.0015476	4.67	9.02
4-33	3	1	.0061745	.0013053	.0025194	2.45	4.73	.0058425	.0010340	.0021874	2.67	5.39
4-33	3	2	.0048677	.0007530	.0015916	3.05	6.46	.0048257	.0006630	.0014566	3.31	7.28
4-33	3	3	.0047654	.0006215	.0014994	3.18	7.67	.0046574	.0005495	.0014914	3.12	8.48
4-33	4	1	.0042543	.0011822	.0024355	1.75	3.60	.0039223	.0009609	.0021035	1.86	4.08
4-33	4	2	.0032633	.0006875	.0014334	2.28	4.75	.0032283	.0005975	.0012984	2.49	5.40
4-33	4	3	.0031990	.0005222	.0012570	2.55	6.13	.0030910	.0004502	.0012490	2.47	6.87
4-33	5	1	.0041633	.0011411	.0025330	1.64	3.65	.0038313	.0009198	.0022010	1.74	4.17
4-33	5	2	.0036918	.0005693	.0013980	2.64	6.49	.0036568	.0004793	.0012630	2.90	7.63
4-33	5	3	.0038598	.0005737	.0012964	2.98	6.73	.0037518	.0005017	.0012884	2.91	7.48
4-33	6	1	.0062020	.0013053	.0017989	3.45	4.75	.0058700	.0010840	.0014649	4.01	5.42
4-33	6	2	.0052530	.0006466	.0015016	3.50	8.12	.0052180	.0005566	.0013666	3.82	9.37
4-33	6	3	.0055941	.0006454	.0013218	4.23	8.67	.0054861	.0005734	.0013138	4.18	9.57
4-33	7	1	.0041247	.0012232	.0024718	1.67	3.37	.0037927	.0010019	.0021398	1.77	3.79
4-33	7	2	.0031927	.0005238	.0014048	2.27	6.09	.0031577	.0004338	.0012698	2.49	7.28
4-33	7	3	.0029259	.0005222	.0012855	2.28	5.60	.0028179	.0004502	.0012775	2.21	6.26
4-33	8	1	.0037935	.0011411	.0023589	1.61	3.32	.0034615	.0009198	.0020269	1.71	3.76
4-33	8	2	.0033806	.0006466	.0013976	2.42	5.23	.0033456	.0005566	.0012626	2.65	6.01
4-33	8	3	.0029280	.0005222	.0012310	2.38	5.61	.0028200	.0004502	.0012230	2.31	6.26
4-33	9	1	.0043475	.0012642	.0026390	1.65	3.44	.0040155	.0010429	.0023070	1.74	3.85
4-33	9	2	.0034420	.0005647	.0014266	2.41	6.09	.0034070	.0004747	.0012916	2.64	7.18
4-33	9	3	.0037648	.0006215	.0013913	2.71	6.06	.0036568	.0005495	.0013833	2.64	6.65
4-33	10	1	.0043446	.0012232	.0027144	1.60	3.55	.0040126	.0010019	.0023824	1.68	4.01
4-33	10	2	.0028734	.0006165	.0013661	2.10	4.71	.0028384	.0005205	.0012311	2.31	5.45
4-33	10	3	.0027839	.0005537	.0012923	2.15	5.03	.0026759	.0004817	.0012843	2.08	5.56
4-33	11	1	.0043768	.0011986	.0025877	1.69	3.65	.0040448	.0009773	.0022557	1.79	4.14
4-33	11	2	.0037221	.0005693	.0014284	2.61	6.54	.0036871	.0004793	.0012934	2.85	7.69
4-33	11	3	.0036768	.0005737	.0013033	2.82	6.41	.0035688	.0005017	.0012953	2.76	7.11
4-33	12	1	.0038468	.0011411	.0026078	1.48	3.37	.0035148	.0009198	.0022758	1.54	3.82
4-33	12	2	.0029039	.0005280	.0013964	2.08	5.50	.0028688	.0004380	.0012614	2.27	6.55
4-33	12	3	.0026777	.0004542	.0011586	2.31	5.90	.0025697	.0003822	.0011506	2.23	6.72
4-33	13	1	.0038516	.0010590	.0024822	1.55	3.64	.0035196	.0008377	.0021502	1.64	4.20
4-33	13	2	.0021461	.0004620	.0014252	1.51	4.65	.0021111	.0003720	.0012902	1.64	5.67
4-33	13	3	.0023998	.0004303	.0012605	1.90	5.58	.0022918	.0003583	.0012525	1.83	6.40
4-33	14	1	.0038481	.0011173	.0025235	1.52	3.44	.0035161	.0008960	.0021915	1.60	3.92
4-33	14	2	.0024314	.0004907	.0010770	2.26	4.95	.0023964	.0004007	.0009420	2.54	5.98
4-33	14	3	.0026011	.0004574	.0012625	2.06	5.69	.0024931	.0003854	.0012545	1.99	6.47
4-33	15	1	.0070466	.0014091	.0027205	2.59	5.00	.0067146	.0011878	.0023885	2.81	5.65
4-33	15	2	.0056431	.0008580	.0016706	3.38	6.58	.0056081	.0007680	.0015356	3.65	7.30
4-33	15	3	.0057736	.0007649	.0014663	4.11	7.55	.0056656	.0006929	.0013983	4.05	8.18
4-33	16	1	.0034141	.0009922	.0023488	1.45	3.44	.0030821	.0007709	.0020168	1.53	4.00
4-33	16	2	.0038892	.0004420	.0011907	3.27	8.80	.0038542	.0003520	.0010557	3.65	0.9*
4-33	16	3	.0018652	.0004035	.0010356	1.80	4.62	.0017572	.0003315	.0010276	1.71	5.30

STA NO	BOC NO	WATER + PARTICLES			PARTICLES							
		LAMDA	B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-33	17	1	.0036783	.0002545	.0004374	8.41	4.4*	.0033463	.0000332	.0001054	1.7*	0.8*
4-33	17	2	.0025687	.0005647	.0013659	1.88	4.55	.0025337	.0004747	.0012309	2.06	5.34
4-33	17	3	.0023320	.0004510	.0011630	2.01	5.17	.0022240	.0003790	.0011550	1.93	5.87
4-33	18	1	.0034249	.0011001	.0021533	1.59	3.11	.0030929	.0008788	.0018213	1.70	3.52
4-33	18	2	.0024796	.0005366	.0011803	2.10	4.62	.0024446	.0004466	.0010458	2.34	5.47
4-33	18	3	.0024274	.0004574	.0009931	2.44	5.31	.0023194	.0003354	.0009851	2.35	6.02
4-33	19	1	.0034786	.0011173	.0021871	1.59	3.11	.0031466	.0008960	.0018551	1.70	3.51
4-33	19	2	.0024112	.0004868	.0010873	2.22	4.95	.0023762	.0003968	.0009523	2.50	5.99
4-33	19	3	.0025052	.0004542	.0008912	2.81	5.52	.0023972	.0003322	.0008632	2.71	6.27
4-33	20	1	.0035470	.0011001	.0022428	1.58	3.22	.0032150	.0008788	.0019108	1.68	3.66
4-33	20	2	.0023136	.0004620	.0011667	1.98	5.01	.0022786	.0003720	.0010317	2.21	6.12
4-33	20	3	.0023174	.0004064	.0010262	2.26	5.70	.0022094	.0003344	.0010182	2.17	6.61
4-34	1	1	.0104260	.0018705	.0026323	3.96	5.57	.0100940	.0016492	.0023003	4.39	6.12
4-34	1	2	.0090709	.0010149	.0015008	5.38	7.95	.0080359	.0009249	.0013658	5.88	8.69
4-34	1	3	.0074630	.0009672	.0013417	5.86	8.13	.0077550	.0008952	.0013337	5.81	8.66
4-34	2	1	.0099430	.0016866	.0027568	3.61	5.90	.0096110	.0014653	.0024248	3.96	6.56
4-34	2	2	.0076993	.0010313	.0015442	4.99	7.47	.0076643	.0009413	.0014092	5.44	8.14
4-34	2	3	.0080428	.0008729	.0013529	5.94	9.21	.0079348	.0008009	.0013449	5.90	9.91
4-34	3	1	.0076427	.0015055	.0024989	3.06	5.08	.0073107	.0012842	.0021669	3.37	5.69
4-34	3	2	.0065242	.0008580	.0013850	4.71	7.60	.0064892	.0007680	.0012500	5.19	8.45
4-34	3	3	.0065172	.0008021	.0011765	5.54	8.13	.0064092	.0007301	.0011685	5.48	8.78
4-34	4	1	.0048790	.0012186	.0023596	2.07	4.00	.0045470	.0009973	.0020276	2.24	4.56
4-34	4	2	.0037090	.0005076	.0012833	2.89	6.11	.0036746	.0005176	.0011483	3.20	7.10
4-34	4	3	.0034922	.0005580	.0011466	3.05	6.26	.0033842	.0004860	.0011386	2.97	6.96
4-34	5	1	.0049514	.0012019	.0021336	2.32	4.12	.0046194	.0009806	.0018016	2.56	4.71
4-34	5	2	.0033924	.0005892	.0010967	3.55	6.61	.0038574	.0004993	.0009617	4.01	7.73
4-34	5	3	.0038548	.0005580	.0009551	4.04	6.91	.0037468	.0004860	.0009471	3.96	7.71
4-34	6	1	.0062864	.0013271	.0023380	2.69	4.74	.0059544	.0011058	.0020060	2.97	5.38
4-34	6	2	.0057336	.0007694	.0013395	4.28	7.45	.0056986	.0006794	.0012045	4.73	8.39
4-34	6	3	.0060695	.0007440	.0011197	5.42	9.16	.0059615	.0006720	.0011117	5.36	8.87
4-34	7	1	.0041174	.0011769	.0022609	1.82	3.50	.0037854	.0009556	.0019289	1.96	3.96
4-34	7	2	.0030757	.0005647	.0011903	2.58	5.45	.0030407	.0004747	.0010553	2.88	6.40
4-34	7	3	.0032307	.0005115	.0010144	3.18	6.32	.0031227	.0004395	.0010064	3.10	7.10
4-34	8	1	.0033619	.0011135	.0022706	1.70	3.45	.0035299	.0008972	.0019386	1.82	3.93
4-34	8	2	.0025773	.0004829	.0011467	2.25	5.34	.0025420	.0003929	.0010117	2.51	6.47
4-34	8	3	.0024313	.0004418	.0010092	2.41	5.50	.0023233	.0003698	.0010012	2.32	6.28
4-34	9	1	.0046284	.0011692	.0022415	2.05	3.99	.0042964	.0009389	.0019095	2.25	4.58
4-34	9	2	.0029090	.0004858	.0012575	2.31	5.98	.0028740	.0003968	.0011225	2.56	7.24
4-34	9	3	.0028957	.0004450	.0010353	2.80	6.51	.0027877	.0003730	.0010273	2.71	7.47
4-34	10	1	.0039909	.0011155	.0022338	1.79	3.57	.0036589	.0008972	.0019018	1.92	4.08
4-34	10	2	.0025144	.0004823	.0011491	2.19	5.21	.0024794	.0003929	.0010141	2.44	6.31
4-34	10	3	.0023424	.0004883	.0010126	2.31	4.80	.0022344	.0004163	.0010046	2.22	5.37
4-34	11	1	.0034835	.0011013	.0021575	1.81	3.16	.0031515	.0008805	.0018255	1.73	3.58
4-34	11	2	.0024855	.0004823	.0010876	2.29	5.15	.0024505	.0003929	.0009526	2.57	6.24
4-34	11	3	.0025277	.0004418	.0009169	2.75	5.71	.0024157	.0003698	.0009089	2.66	6.53
4-34	12	1	.0040255	.0010858	.0021415	1.88	3.71	.0036935	.0008637	.0018095	2.04	4.28
4-34	12	2	.0024107	.0004533	.0011000	2.19	5.31	.0023757	.0003638	.0009650	2.46	6.53
4-34	12	3	.0023559	.0004437	.0009276	2.54	5.31	.0022479	.0003717	.0009196	2.44	6.05
4-35	1	1	.0085663	.0014859	.0024501	3.50	5.76	.0082343	.0012646	.0021181	3.89	6.51
4-35	1	2	.0066301	.0009070	.0013717	4.83	7.31	.0065951	.0008170	.0012367	5.33	8.07

STA NO	RCT NO	LAMBDA	WATER + PARTICLES						PARTICLES			
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-35	1	3	.0067374	.0007894	.0012171	5.54	8.58	.0066294	.0007134	.0012091	5.48	9.29
4-35	2	1	.0066112	.0013622	.0025027	2.64	4.85	.0062792	.0011409	.0021707	2.89	5.50
4-35	2	2	.0053200	.0007331	.0013893	3.83	7.26	.0052850	.0006431	.0012543	4.21	8.22
4-35	2	3	.0051534	.0006851	.0012124	4.25	7.52	.0050454	.0006131	.0012044	4.19	8.23
4-35	3	1	.0056296	.0013191	.0023423	2.40	4.27	.0052976	.0010978	.0020103	2.64	4.83
4-35	3	2	.0043904	.0007081	.0013928	3.15	6.20	.0043554	.0006181	.0012578	3.46	7.05
4-35	3	3	.0040720	.0005670	.0011632	3.50	7.18	.0039640	.0004950	.0011552	3.42	8.01
4-35	4	1	.0055355	.0011898	.0024579	2.25	4.65	.0052036	.0009685	.0021259	2.45	5.37
4-35	4	2	.0044510	.0006081	.0014732	3.02	7.32	.0044160	.0005181	.0013382	3.30	8.52
4-35	4	3	.0042460	.0006143	.0013371	3.18	6.91	.0041380	.0005423	.0013291	3.11	7.63
4-35	5	1	.0049001	.0011898	.0024689	1.98	4.12	.0045681	.0009685	.0021369	2.14	4.72
4-35	5	2	.0043259	.0006081	.0014143	3.06	7.11	.0042909	.0005181	.0012793	3.35	8.28
4-35	5	3	.0039878	.0004725	.0012605	3.08	8.23	.0037798	.0004005	.0012525	3.02	9.44
4-35	6	1	.0050333	.0012760	.0024309	2.07	3.94	.0047013	.0009547	.0020989	2.24	4.46
4-35	6	2	.0038171	.0005415	.0014018	2.72	7.05	.0037921	.0004515	.0012668	2.99	8.38
4-35	6	3	.0037104	.0005434	.0011769	3.15	6.83	.0036024	.0004714	.0011689	3.08	7.64
4-35	7	1	.0041210	.0011969	.0021056	1.90	3.44	.0037890	.0009756	.0018336	2.07	3.88
4-35	7	2	.0029740	.0004793	.0011689	2.54	6.21	.0029390	.0003893	.0010339	2.84	7.55
4-35	7	3	.0029724	.0004222	.0010162	2.93	7.04	.0028644	.0003502	.0010082	2.84	8.18
4-35	8	1	.0038195	.0011375	.0023585	1.62	3.36	.0034875	.0009165	.0020265	1.72	3.81
4-35	8	2	.0026745	.0005248	.0013179	2.03	5.10	.0026395	.0004348	.0011829	2.23	6.07
4-35	8	3	.0023579	.0004253	.0011381	2.07	5.54	.0022499	.0003533	.0011301	1.99	6.37
4-35	9	1	.0040524	.0011036	.0022376	1.81	3.67	.0037204	.0008823	.0019056	1.95	4.22
4-35	9	2	.0028234	.0005255	.0013758	2.05	5.34	.0027884	.0004385	.0012408	2.25	6.36
4-35	9	3	.0023718	.0004284	.0012375	1.92	5.54	.0022638	.0003564	.0012295	1.84	6.35
4-35	10	1	.0049901	.0010950	.0021195	1.93	3.74	.0037581	.0008737	.0017855	2.10	4.30
4-35	10	2	.0025518	.0005248	.0011953	2.13	4.86	.0025168	.0004348	.0010603	2.37	5.79
4-35	10	3	.0027949	.0004222	.0009691	2.88	6.62	.0026869	.0003502	.0009611	2.80	7.67
4-35	11	1	.0036214	.0011557	.0022064	1.64	3.13	.0032894	.0009344	.0018744	1.75	3.52
4-35	11	2	.0024477	.0005207	.0011135	2.20	4.70	.0024127	.0004307	.0009785	2.47	5.60
4-35	11	3	.0023836	.0004284	.0009279	2.57	5.56	.0022756	.0003564	.0009199	2.47	6.39
4-35	12	1	.0038247	.0011123	.0020991	1.82	3.44	.0034927	.0008910	.0017671	1.98	3.92
4-35	12	2	.0024485	.0004871	.0010942	2.24	5.03	.0024135	.0003971	.0009592	2.52	6.08
4-35	12	3	.0022946	.0004284	.0008767	2.62	5.36	.0021866	.0003564	.0008687	2.52	6.14
4-35	13	1	.0036133	.0011301	.0022106	1.63	3.20	.0032813	.0009088	.0018786	1.75	3.61
4-35	13	2	.0023842	.0005361	.0010864	2.19	4.45	.0023492	.0004461	.0009514	2.47	5.27
4-35	13	3	.0019461	.0003596	.0008805	2.26	5.41	.0018384	.0002876	.0008525	2.16	6.39
4-35	14	1	.0037199	.0011211	.0021544	1.73	3.32	.0033879	.0008998	.0018224	1.86	3.76
4-35	14	2	.0022502	.0004619	.0010887	2.07	4.88	.0022212	.0003719	.0009537	2.33	5.97
4-35	14	3	.0022561	.0004234	.0009327	2.42	5.27	.0021481	.0003564	.0009247	2.32	6.03
4-35	15	1	.0061646	.0014277	.0026639	2.31	4.32	.0058326	.0012064	.0023319	2.50	4.83
4-35	15	2	.0057225	.0007282	.0015166	3.77	7.86	.0054875	.0006382	.0013816	4.12	8.91
4-35	15	3	.0063253	.0006713	.0013353	4.74	9.42	.0062173	.0005993	.0013273	4.68	0.3*
4-35	16	1	.0042751	.0011992	.0024804	1.72	3.57	.0039431	.0009779	.0021484	1.84	4.03
4-35	16	2	.0030400	.0005758	.0013921	2.18	5.28	.0030050	.0004858	.0012571	2.39	6.19
4-35	16	3	.0029399	.0004795	.0012258	2.40	6.13	.0028319	.0004075	.0012178	2.33	6.95
4-35	17	1	.0043787	.0012087	.0024306	1.80	3.62	.0040467	.0009874	.0020986	1.93	4.10
4-35	17	2	.0032356	.0005334	.0013523	2.39	6.07	.0032006	.0004434	.0012173	2.63	7.22
4-35	17	3	.0031269	.0004795	.0011271	2.77	6.52	.0030189	.0004075	.0011191	2.70	7.41
4-35	18	1	.0049885	.0012700	.0025778	1.90	3.86	.0045765	.0010487	.0022458	2.04	4.36

STA NO	PCT NO	LAMP	WATER + PARTICLES			PARTICLES								
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90		
4-35	18	2	.0031659	.0006181	.0014844	2.13	5.12	.0031309	.0005281	.0013494	2.32	5.93		
4-35	18	3	.0028975	.0005035	.0013740	2.11	5.75	.0027896	.0004315	.0013660	2.04	6.46		
4-35	19	1	.0049781	.0012963	.0025082	1.98	3.84	.0046461	.0010750	.0021762	2.13	4.32		
4-35	19	2	.0038487	.0006181	.0013937	2.76	6.23	.0038137	.0005281	.0012587	3.03	7.22		
4-35	19	3	.0076978	.0006039	.0012993	2.95	6.12	.0035498	.0005319	.0012913	2.78	6.75		
4-35	20	1	.0045464	.0012449	.0025125	1.81	3.65	.0042144	.0019236	.0021805	1.93	4.12		
4-35	20	2	.0033265	.0005635	.0013937	2.39	5.90	.0032915	.0004735	.0012587	2.61	6.95		
4-35	20	3	.0032406	.0005073	.0011875	2.73	6.39	.0031326	.0004353	.0011795	2.66	7.20		
4-36	1	1	.0169896	.0024813	.0037402	4.30	6.48	.0157576	.0022600	.0034082	4.62	6.97		
4-36	1	2	.0141704	.0016133	.0023220	6.10	3.78	.0141354	.0025233	.0021870	6.46	9.28		
4-36	1	3	.0178273	.0015748	.0020724	6.67	8.78	.0137193	.0015028	.0020644	6.65	9.13		
4-36	2	1	.0119187	.0021243	.0034894	3.42	5.61	.0115867	.0019030	.0031574	3.67	6.09		
4-36	2	2	.0113836	.0003356	.0002287	9.7*	3.9*	.0113486	.0002456	.0000937	1.0*	6.2*		
4-36	2	3	.0110133	.00317620	.001404*	7.8*	3.47	.0109053	.00310420	.001412*	7.7*	3.51		
4-36	3	1	.0065742	.0013870	.0030572	2.15	4.74	.0062429	.0011657	.0027252	2.29	5.36		
4-36	3	2	.0059891	.0008873	.0019543	3.05	6.75	.0059541	.0007973	.0018193	3.27	7.47		
4-36	3	3	.0058133	.0007749	.0018421	3.16	7.50	.0057953	.0007029	.0018341	3.11	8.12		
4-36	4	1	.0067834	.0012577	.0024242	2.80	5.39	.0064514	.0010364	.0020922	3.08	6.22		
4-36	4	2	.0052359	.0006971	.0014247	3.68	7.51	.0052009	.0006071	.0012897	4.03	8.57		
4-36	4	3	.0051474	.0006848	.0012621	4.08	7.52	.0050394	.0006128	.0012541	4.02	8.22		
4-36	5	1	.0058237	.0012487	.0024779	2.35	4.66	.0054917	.0010274	.0021459	2.56	5.35		
4-36	5	2	.0043484	.0007391	.0014584	2.98	5.88	.0043138	.0006491	.0013234	3.26	6.65		
4-36	5	3	.0043637	.0006079	.0013742	3.18	7.19	.0042557	.0005350	.0013662	3.12	7.95		
4-36	6	1	.0055871	.0012152	.0024696	2.26	4.00	.0052551	.0009939	.0021376	2.46	5.29		
4-36	6	2	.0050455	.0006971	.0014319	3.52	7.24	.0050108	.0006071	.0012969	3.86	8.25		
4-36	6	3	.0047410	.0005827	.0012114	3.91	8.14	.0046330	.0005107	.0012034	3.85	9.07		
4-36	7	1	.0045324	.0011302	.0022824	1.99	4.01	.0042004	.0009089	.0019504	2.15	4.62		
4-36	7	2	.0037217	.0005543	.0013090	2.84	6.71	.0036867	.0004643	.0011740	3.14	7.94		
4-36	7	3	.0037108	.0005211	.0011484	3.23	7.12	.0036028	.0004491	.0011404	3.16	8.02		
4-36	8	1	.0042653	.0019877	.0023120	1.85	3.92	.0039338	.0008664	.0019800	1.99	4.54		
4-36	8	2	.0026987	.0005207	.0012644	2.13	5.18	.0026637	.0004307	.0011294	2.36	6.18		
4-36	8	3	.0029736	.0004856	.0012042	2.47	6.13	.0028706	.0004136	.0011962	2.40	6.94		
4-36	9	1	.0037354	.0011302	.0021828	1.71	3.31	.0034034	.0009089	.0018508	1.84	3.74		
4-36	9	2	.0024453	.0004871	.0011778	2.08	5.02	.0024103	.0003971	.0010428	2.31	6.07		
4-36	9	3	.0023044	.0004309	.0009734	2.37	5.35	.0021964	.0003589	.0009654	2.28	6.12		
4-36	10	1	.0040710	.0011379	.0021974	1.85	3.58	.0037390	.0009162	.0018654	2.00	4.08		
4-36	10	2	.0024881	.0008164	.0011977	2.08	3.05	.0024531	.0007264	.0010627	2.31	3.38		
4-36	10	3	.0028949	.0005099	.0009662	3.00	5.68	.0027869	.0004379	.0009582	2.91	6.36		
4-36	11	1	.0043735	.0012797	.0023128	1.89	3.42	.0040415	.0010584	.0019818	2.04	3.82		
4-36	11	2	.0032005	.0005619	.0011913	2.69	5.70	.0031655	.0004719	.0010568	3.00	6.71		
4-36	11	3	.0029843	.0005585	.0010555	2.83	5.34	.0028763	.0004865	.0010475	2.75	5.91		
4-36	12	1	.0045679	.0011543	.0022425	2.04	3.96	.0042359	.0009330	.0019105	2.22	4.54		
4-36	12	2	.0038256	.0006041	.0011787	3.25	6.29	.0037906	.0005181	.0010437	3.63	7.32		
4-36	12	3	.0029644	.0005849	.0010111	2.93	5.35	.0028564	.0004825	.0010031	2.85	5.92		
4-37	1	1	.0141038	.0021900	.0030226	4.67	6.56	.0137718	.0019287	.0026906	5.12	7.14		
4-37	1	2	.0117944	.0014245	.0018308	6.44	8.28	.0117594	.0013345	.0016958	6.93	8.81		
4-37	1	3	.0112970	.0016511	.0019491	5.75	6.79	.0110990	.0015791	.0019411	5.72	7.03		
4-37	2	1	.0095612	.0016401	.0026753	3.57	5.83	.0092292	.0014188	.0023438	3.94	6.50		
4-37	2	2	.0081316	.0019164	.0016359	4.97	8.00	.0080966	.0009264	.0015009	5.39	8.74		
4-37	2	3	.0084488	.0009469	.0012932	6.53	8.92	.0083408	.0009749	.0012852	6.49	9.53		

STA NO	RCT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-37	3	1	.0069139	.0014871	.0024841	2.78	4.65	.0065819	.0012658	.0021521	3.06	5.20
4-37	3	2	.0058045	.0008377	.0014140	4.11	6.93	.0057695	.0007477	.0012790	4.51	7.72
4-37	3	3	.0061403	.0007839	.0011029	5.57	7.77	.0060329	.0007179	.0010940	5.51	8.40
4-37	4	1	.0052497	.0012212	.0021207	2.48	4.30	.0049177	.0009999	.0017887	2.75	4.92
4-37	4	2	.0039086	.0006859	.0013228	2.96	5.70	.0038746	.0005959	.0011878	3.26	6.50
4-37	4	3	.0040672	.0006750	.0010798	3.77	6.03	.0039592	.0006030	.0010718	3.69	6.57
4-37	5	1	.0049856	.0011961	.0021946	2.27	4.17	.0046536	.0009748	.0018620	2.50	4.77
4-37	5	2	.0038828	.0006394	.0011993	3.24	6.07	.0038478	.0005494	.0010643	3.62	7.00
4-37	5	3	.0040952	.0005773	.0010017	4.09	7.10	.0039872	.0005053	.0009937	4.01	7.90
4-37	6	1	.0053745	.0012379	.0022757	2.36	4.34	.0050425	.0010166	.0019437	2.59	4.96
4-37	6	2	.0044441	.0006914	.0013143	3.38	6.43	.0044091	.0006014	.0011793	3.74	7.33
4-37	6	3	.0045228	.0005545	.0012098	3.74	8.16	.0044148	.0004825	.0012018	3.67	9.15
4-37	7	1	.0043157	.0012152	.0022906	1.88	3.55	.0039937	.0009939	.0019586	2.03	4.01
4-37	7	2	.0028225	.0005165	.0012271	2.30	5.47	.0027875	.0004265	.0010921	2.55	6.54
4-37	7	3	.0026863	.0004339	.0010585	2.54	6.19	.0025783	.0003619	.0010509	2.45	7.12
4-37	8	1	.0039906	.0010877	.0020300	1.73	3.67	.0036586	.0008664	.0019710	1.86	4.22
4-37	8	2	.0027174	.0005619	.0012773	2.13	4.84	.0026824	.0004719	.0011383	2.36	5.68
4-37	8	3	.0025211	.0004371	.0010360	2.43	5.77	.0024131	.0003651	.0010280	2.35	6.61
4-37	9	1	.0036053	.0011047	.0021878	1.65	3.26	.0032733	.0009834	.0018556	1.76	3.71
4-37	9	2	.0027073	.0004871	.0010395	2.60	5.56	.0026723	.0003971	.0009045	2.95	6.73
4-37	9	3	.0024339	.0004371	.0008969	2.73	5.57	.0023259	.0003651	.0008829	2.63	6.37
4-37	10	1	.0038880	.0011520	.0021049	1.85	3.37	.0035560	.0009307	.0017729	2.01	3.82
4-37	10	2	.0023656	.0004582	.0010432	2.27	5.17	.0023316	.0003682	.0009082	2.57	6.33
4-37	10	3	.0027799	.0004822	.0010181	2.73	5.77	.0026719	.0004102	.0010101	2.65	6.51
4-37	11	1	.0033802	.0010877	.0021314	1.59	3.11	.0030482	.0008664	.0017994	1.69	3.52
4-37	11	2	.0022562	.0004703	.0010887	2.07	4.80	.0022212	.0003803	.0009537	2.33	5.84
4-37	11	3	.0022607	.0004402	.0009980	2.27	5.14	.0021527	.0003682	.0009900	2.17	5.85
4-37	12	1	.0034124	.0010197	.0020652	1.65	3.35	.0030804	.0007984	.0017332	1.78	3.86
4-37	12	2	.0022540	.0004793	.0010068	2.24	4.70	.0022190	.0003893	.0008718	2.55	5.70
4-37	12	3	.0022822	.0004189	.0008733	2.61	5.45	.0021742	.0003468	.0008653	2.51	6.27
4-37	13	1	.0030265	.0010522	.0020590	1.47	2.88	.0026965	.0008309	.0017270	1.56	3.25
4-37	13	2	.0021967	.0004793	.0010736	2.01	4.50	.0021217	.0003893	.0009386	2.26	5.45
4-37	13	3	.0004397	.0000867	.0002028	2.17	5.07	.0003317	.0000147	.0001948	1.70	2.5*
4-37	14	1	.0031656	.0010874	.0021360	1.48	2.91	.0028339	.0008661	.0018040	1.57	3.27
4-37	14	2	.0020766	.0004832	.0011370	1.83	4.30	.0020416	.0003932	.0010020	2.04	5.19
4-37	14	3	.0019672	.0003885	.0009643	2.04	5.06	.0018592	.0003165	.0009563	1.94	5.87
4-37	15	1	.0056329	.0013870	.0025899	2.17	4.06	.0053009	.0011657	.0022579	2.35	4.55
4-37	15	2	.0048611	.0009263	.0014628	3.32	5.25	.0048261	.0008363	.0013278	3.63	5.77
4-37	15	3	.0052600	.0007956	.0012002	4.38	6.61	.0051520	.0007236	.0011922	4.32	7.12
4-37	16	1	.0030727	.0010622	.0022729	1.35	2.89	.0027407	.0008409	.0019409	1.41	3.26
4-37	16	2	.0021372	.0004509	.0011278	1.89	4.74	.0021022	.0003609	.0009928	2.12	5.83
4-37	16	3	.0019836	.0003913	.0009151	2.17	5.07	.0018756	.0003193	.0009071	2.07	5.87
4-37	17	1	.0032769	.0010639	.0020224	1.62	3.08	.0029449	.0008426	.0016904	1.74	3.49
4-37	17	2	.0023603	.0004345	.0010254	2.30	5.42	.0023253	.0003445	.0008904	2.61	6.75
4-37	17	3	.0023279	.0003777	.0009216	2.53	5.16	.0022199	.0003057	.0009136	2.43	7.26
4-37	18	1	.0033599	.0010121	.0020007	1.68	3.32	.0030279	.0007908	.0016687	1.81	3.83
4-37	18	2	.0024493	.0004747	.0010515	2.33	5.16	.0024143	.0003847	.0009165	2.63	6.28
4-37	18	3	.0022917	.0004041	.0008756	2.62	5.67	.0021837	.0003321	.0008676	2.52	6.58
4-37	19	1	.0037463	.0011304	.0020979	1.79	3.30	.0034143	.0009151	.0017659	1.93	3.73
4-37	19	2	.0029503	.0006394	.0011596	2.54	4.61	.0029193	.0005494	.0010246	2.85	5.31

STA NO	BOT NO	LAMDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-37	19	3	.0027126	.0004371	.0008803	3.08	6.21	.0026046	.0003651	.0008723	2.99	7.13
4-37	20	1	.0022722	.0012781	.0023752	.96	1.78	.0019402	.0010568	.0020432	.95	1.84
4-38	1	1	.0038595	.0016160	.0025309	3.50	5.48	.0035275	.0013947	.0021989	3.38	6.11
4-38	1	2	.0073091	.0003137	.0014991	4.88	3.00	.0072741	.0008237	.0013641	5.33	8.83
4-38	1	3	.0072407	.0008089	.0012377	5.85	3.95	.0071327	.0007369	.0012297	5.80	9.68
4-38	2	1	.0089092	.0015977	.0025858	3.45	5.58	.0085772	.0013764	.0022538	3.81	6.23
4-38	2	2	.0077577	.0009441	.0014693	5.28	3.22	.0077227	.0008541	.0013343	5.79	9.04
4-38	2	3	.0069149	.0008515	.0012501	5.53	3.12	.0068069	.0007795	.0012421	5.48	8.73
4-38	3	1	.0084319	.0015661	.0026154	3.22	5.38	.0080999	.0013448	.0022834	3.55	6.02
4-38	3	2	.0032161	.0009509	.0013983	6.59	9.69	.0031911	.0008609	.0012633	7.27	0.6*
4-38	3	3	.0098833	.0007480	.0012250	3.07	3.2*	.0097753	.0006760	.0012170	8.03	4.4*
4-38	4	1	.0049597	.0011418	.0020400	2.43	4.34	.0046273	.0009205	.0017080	2.71	5.03
4-38	4	2	.0046896	.0006585	.0011827	3.97	7.12	.0046546	.0005685	.0010477	4.44	8.19
4-38	4	3	.0049135	.0005984	.0009239	5.32	3.21	.0048055	.0005264	.0009159	5.25	9.13
4-38	5	1	.0220323	.0025271	.0033364	6.60	8.52	.0217003	.0023658	.0030044	7.22	9.17
4-38	5	2	.0347073	.0025403	.0023452	4.8*	3.6*	.0346723	.0024503	.0022102	5.6*	4.1*
4-38	5	3	.0391892	.0018258	.0019305	0.3*	1.4*	.0390811	.0017568	.0019225	0.3*	2.2*
4-38	6	1	.0036580	.0014043	.0023635	3.66	5.23	.0033260	.0012635	.0020315	4.10	6.59
4-38	6	2	.0100875	.0010475	.0013084	7.71	9.63	.0100526	.0009575	.0011734	8.57	0.5*
4-38	6	3	.0097513	.0007500	.0010705	9.11	3.0*	.0096438	.0006780	.0010625	9.08	4.2*
4-38	7	1	.0041708	.0010528	.0019286	2.16	3.96	.0038388	.0009315	.0015966	2.40	4.62
4-38	7	2	.0031284	.0005052	.0010375	3.03	6.19	.0030934	.0004152	.0008985	3.44	7.45
4-38	7	3	.0033407	.0004683	.0008952	3.73	6.84	.0032327	.0004163	.0008872	3.64	7.76
4-38	8	1	.0045143	.0012242	.0022809	1.98	3.69	.0041828	.0010029	.0019489	2.15	4.17
4-38	8	2	.0076915	.0005423	.0011540	3.20	6.91	.0076565	.0004523	.0010190	3.59	8.08
4-38	8	3	.0037464	.0004896	.0009790	3.42	6.83	.0032384	.0004176	.0009710	3.34	7.75
4-38	9	1	.0031285	.0010342	.0020940	1.49	3.02	.0027965	.0008129	.0017620	1.59	3.44
4-38	9	2	.0020755	.0004799	.0011019	1.98	4.82	.0020406	.0003409	.0009669	2.11	5.99
4-38	9	3	.0022091	.0003832	.0009409	2.35	5.77	.0021011	.0003112	.0009329	2.25	6.75
4-38	10	1	.0029141	.0010161	.0021252	1.37	2.87	.0025821	.0007948	.0017932	1.44	3.25
4-38	10	2	.0018712	.0004296	.0011063	1.69	4.36	.0018362	.0003396	.0009713	1.89	5.41
4-38	10	3	.0017204	.0003406	.0009595	1.79	5.05	.0016124	.0002686	.0009515	1.69	6.00
4-38	11	1	.0034859	.0010572	.0019341	1.80	3.30	.0031539	.0008359	.0016021	1.97	3.77
4-38	11	2	.0026364	.0005088	.0009919	2.66	5.19	.0026034	.0004188	.0008569	3.04	6.22
4-38	11	3	.0023890	.0003957	.0009081	2.63	6.19	.0022810	.0003137	.0009001	2.53	7.27
4-38	12	1	.0032458	.0010572	.0020896	1.55	3.07	.0029138	.0008359	.0017576	1.66	3.49
4-38	12	2	.0020782	.0004623	.0010903	1.91	4.60	.0020432	.0003623	.0009553	2.14	5.64
4-38	12	3	.0022677	.0003769	.0009579	2.37	6.02	.0021597	.0003049	.0009499	2.27	7.08
4-39	1	1	.00381917	.0014980	.0023779	3.44	5.47	.0078597	.0012767	.0020459	3.84	6.16
4-39	1	2	.0067263	.0008360	.0014021	4.30	7.59	.0066913	.0007960	.0012671	5.28	8.41
4-39	1	3	.0066107	.0007642	.0012338	5.36	3.65	.0065027	.0006922	.0012258	5.30	9.39
4-39	2	1	.0042495	.0015716	.0026584	1.60	2.70	.0039175	.0013503	.0023264	1.68	2.90
4-39	2	2	.0075350	.0011990	.0014269	5.30	6.34	.0075000	.0010980	.0012859	5.83	6.83
4-39	2	3	.0070145	.0009948	.0012645	5.55	7.75	.0069065	.0008328	.0012565	5.50	8.29
4-39	3	1	.0065655	.0014275	.0022939	2.86	4.60	.0062335	.0012062	.0019618	3.18	5.17
4-39	3	3	.0052047	.0007325	.0012345	4.22	7.11	.0050967	.0006605	.0012265	4.16	7.72
4-39	3	2	.0027023	.0007451	.0013870	1.95	3.63	.0026673	.0006551	.0012520	2.13	4.07
4-39	4	1	.0054615	.0012546	.0021835	2.50	4.35	.0051295	.0010333	.0018515	2.77	4.96
4-39	4	2	.0042529	.0008467	.0013066	3.25	5.07	.0042179	.0007557	.0011716	3.60	5.58
4-39	4	3	.0042494	.0005528	.0010407	4.08	7.69	.0041414	.0004808	.0010327	4.01	8.61

STA NO	BOT NO	LAMBDA	WATER + PARTICLES						PARTICLES			
			R(45)	R(90)	R(135)	45 135	45 90	R(45)	R(90)	R(135)	45 135	45 90
4-39	5	1	.0079656	.0015224	.0023222	3.43	5.23	.0076336	.0013011	.0019902	3.84	5.87
4-39	5	2	.0085734	.0009172	.0014208	6.03	9.35	.0085384	.0008272	.0012858	6.64	0.3*
4-39	5	3	.0082807	.0007704	.0011408	7.26	0.7*	.0081727	.0006984	.0011328	7.21	1.7*
4-39	6	1	.0073676	.0013790	.0021278	3.46	5.34	.0070396	.0011577	.0017958	3.92	6.08
4-39	6	2	.0056433	.0006973	.0012254	4.61	8.09	.0056083	.0006073	.0010904	5.14	9.23
4-39	6	3	.0059948	.0006290	.0009986	6.00	9.53	.0058868	.0005570	.0009906	5.94	0.5*
4-39	7	1	.0050916	.0011864	.0021849	2.33	4.29	.0047596	.0009651	.0018529	2.57	4.93
4-39	7	2	.0050006	.0006276	.0012317	4.06	7.97	.0049656	.0005376	.0010967	4.53	9.24
4-39	7	3	.0049043	.0005601	.0010625	4.67	8.66	.0048563	.0004881	.0016549	4.61	9.95
4-39	8	1	.0050836	.0012634	.0020674	2.46	4.02	.0047516	.0010421	.0017354	2.74	4.56
4-39	8	2	.0044068	.0006276	.0010830	4.07	7.02	.0043718	.0005376	.0009480	4.61	8.13
4-39	8	3	.0044476	.0006206	.0008776	5.07	7.17	.0043396	.0005486	.0008696	4.99	7.91
4-39	9	1	.0038070	.0010554	.0019099	1.99	3.61	.0034750	.0008341	.0015779	2.20	4.17
4-39	9	2	.0025846	.0004408	.0009524	2.71	5.86	.0025496	.0003508	.0008174	3.12	7.27
4-39	9	3	.00248850	.001098*0	.000934*	2.6*	2.2*	.00238050	.001170*0	.000942*	2.5*	2.0*
4-39	10	1	.0036200	.0010708	.0021819	1.66	3.38	.0032880	.0008495	.0018499	1.78	3.87
4-39	10	2	.0024033	.0004633	.0012162	1.98	5.19	.0023683	.0003733	.0010812	2.19	6.34
4-39	10	3	.0029047	.0005170	.0011079	2.62	5.62	.0027967	.0004450	.0010999	2.54	6.28
4-39	12	1	.0036924	.0010708	.0018259	2.02	3.45	.0033604	.0008495	.0014939	2.25	3.96
4-39	13	2	.0023591	.0004408	.0008753	2.70	5.35	.0023241	.0003508	.0007403	3.14	6.62
4-39	13	3	.0025838	.0004082	.0007063	3.66	6.33	.0024758	.0003362	.0006983	3.55	7.36
4-39	14	1	.0050190	.0011948	.0019276	2.59	4.20	.0046070	.0009735	.0016096	2.92	4.81
4-39	14	2	.0041125	.0005728	.0010800	3.81	6.11	.0040775	.0005828	.0009450	4.31	7.00
4-39	14	3	.0043445	.0005209	.0008127	5.35	8.35	.0042365	.0004485	.0008047	5.26	9.45
4-39	15	1	.0158787	.0022742	.0028783	5.52	6.98	.0155467	.0020529	.0025462	6.11	7.57
4-39	15	2	.0166304	.0014709	.0016798	9.90	1.3*	.0165954	.0013809	.0015448	0.7*	2.0*
4-39	15	3	.0187737	.0012883	.0016059	1.6*	4.5*	.0186657	.0012163	.0015979	1.6*	5.3*
4-39	16	1	.0043076	.0012336	.0019350	2.23	3.49	.0039756	.0010123	.0016030	2.48	3.93
4-39	16	2	.0031416	.0005611	.0010336	3.04	5.60	.0031066	.0004711	.0008986	3.46	6.59
4-39	16	3	.0032878	.0005240	.0008595	3.83	6.27	.0031798	.0004520	.0008519	3.73	7.03
4-39	17	1	.0037756	.0011172	.0018959	1.99	3.38	.0034436	.0008959	.0015639	2.20	3.84
4-39	17	2	.0028726	.0005270	.0010524	2.73	5.45	.0028376	.0004370	.0009174	3.09	6.49
4-39	17	3	.0027245	.0004617	.0008036	3.39	5.90	.0026165	.0003897	.0007956	3.29	6.71
4-39	18	1	.0041215	.0011725	.0021525	1.91	3.52	.0037895	.0009512	.0018203	2.08	3.98
4-39	18	2	.0035411	.0005990	.0011922	2.97	5.91	.0035061	.0005090	.0010572	3.32	6.89
4-39	18	3	.0031291	.0006375	.0012082	2.59	4.91	.0030211	.0005655	.0012002	2.52	5.34
4-39	19	1	.0043348	.0012814	.0020384	2.13	3.38	.0040028	.0010601	.0017064	2.35	3.78
4-39	19	2	.0030835	.0005232	.0010358	2.98	5.89	.0030485	.0004332	.0009008	3.38	7.04
4-39	19	3	.0030371	.0004804	.0008690	3.49	6.32	.0029291	.0004084	.0008610	3.40	7.17
4-39	20	1	.0050214	.0013299	.0022085	2.27	3.78	.0046894	.0011086	.0018765	2.50	4.23
4-39	20	2	.0031549	.0007791	.0013043	2.42	4.05	.0031199	.0006891	.0011693	2.67	4.53
4-39	20	3	.0038442	.0006416	.0011070	3.47	5.99	.0037362	.0005696	.0010990	3.40	6.56
4-40	1	1	.0067417	.0014255	.0022936	2.94	4.73	.0064097	.0012042	.0019616	3.27	5.32
4-40	1	2	.0056569	.0007506	.0011698	4.84	7.54	.0056219	.0006606	.0010348	5.43	8.51
4-40	1	3	.0050294	.0006433	.0010294	4.89	7.82	.0049214	.0005713	.0010214	4.82	8.61
4-40	2	1	.0076320	.0013840	.0022448	3.40	5.51	.0073000	.0011627	.0019128	3.82	6.28
4-40	2	2	.0053194	.0007024	.0012843	3.99	7.29	.0050844	.0006124	.0011493	4.42	8.30
4-40	2	3	.0050268	.0007099	.0010973	4.58	7.08	.0049188	.0005379	.0010893	4.52	7.71
4-40	3	1	.0051022	.0011521	.0020750	2.46	4.43	.0047702	.0009308	.0017430	2.74	5.12
4-40	3	2	.0044944	.0006322	.0011463	3.92	7.11	.0044594	.0005422	.0010113	4.41	8.22

STA NO	BOT NO	LAMP	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-40	3	3	.0039886	.0005289	.0009600	4.15	7.54	.0035806	.0004569	.0009520	4.08	8.49
4-40	4	1	.0045591	.0011454	.0019944	2.29	3.98	.0042271	.0003241	.0016624	2.54	4.57
4-40	4	2	.0033207	.0005529	.0011243	2.95	6.01	.0032853	.0004629	.0009893	3.32	7.10
4-40	4	3	.0033864	.0004819	.0009450	3.58	7.35	.0032784	.0003890	.0009370	3.50	8.43
4-40	5	1	.0042877	.0010670	.0019570	2.19	4.02	.0039557	.0008457	.0016250	2.43	4.68
4-40	5	2	.00174317	.0004492	.0010226	3.36	7.07	.0033967	.0003952	.0008876	3.83	8.59
4-40	5	3	.0030780	.0004566	.0009971	3.09	6.76	.0029700	.0003836	.0009891	3.00	7.74
4-40	6	1	.0043530	.0011091	.0020470	2.13	3.72	.0040210	.0009478	.0017150	2.34	4.24
4-40	6	2	.0028651	.0004782	.0010845	2.64	5.99	.0028301	.0003882	.0009495	2.98	7.29
4-40	6	3	.0020655	.0004408	.0008772	3.49	6.95	.0029575	.0003688	.0008692	3.40	8.02
4-40	7	1	.0052595	.0011308	.0020153	2.61	4.65	.0049276	.0003095	.0016833	2.93	5.42
4-40	7	2	.0040104	.0004852	.0010295	3.90	8.27	.0039758	.0003952	.0008945	4.44	0.0*
4-40	7	3	.0035067	.0004658	.0009516	3.68	7.53	.0033987	.0003938	.0009436	3.60	8.63
4-40	8	1	.0034003	.0010514	.0018734	1.82	3.23	.0030683	.0003301	.0015414	1.99	3.70
4-40	8	2	.0026002	.0004958	.0010457	2.49	5.23	.0025652	.0004068	.0009107	2.82	6.31
4-40	8	3	.0026611	.0004215	.0008990	2.96	6.31	.0025531	.0003495	.0008910	2.87	7.31
4-40	9	1	.0047825	.0010122	.0017909	2.67	4.73	.0044505	.0007909	.0014589	3.05	5.63
4-40	9	2	.0023673	.0004428	.0009366	2.53	5.35	.0023323	.0003528	.0008016	2.91	6.61
4-40	9	3	.0021583	.0003549	.0007486	2.98	6.08	.0020503	.0002829	.0007406	2.77	7.25
4-40	10	1	.0033464	.0011521	.0019645	1.70	2.90	.0030144	.0009308	.0016325	1.85	3.24
4-40	10	2	.0022165	.0004094	.0009818	2.26	5.41	.0021815	.0003194	.0009468	2.58	6.83
4-40	10	3	.0019112	.0003118	.0007613	2.51	6.13	.0018032	.0002399	.0007533	2.39	7.52
4-40	11	1	.0036371	.0010514	.0019543	1.86	3.46	.0033051	.0008301	.0016223	2.04	3.98
4-40	11	2	.0020424	.0004246	.0009885	2.07	4.81	.0020074	.0003346	.0008535	2.35	6.00
4-40	11	3	.0020838	.0003349	.0008422	2.47	6.22	.0019758	.0002629	.0008342	2.27	7.51
4-40	12	1	.0029786	.0009337	.0019194	1.55	3.19	.0026466	.0007124	.0015874	1.67	3.72
4-40	12	2	.0021183	.0004125	.0009351	2.27	5.14	.0020833	.0003225	.0008001	2.60	6.46
4-40	12	3	.0020143	.0003147	.0007651	2.63	6.40	.0019069	.0002427	.0007571	2.52	7.86
4-41	1	1	.00108619	.0019930	.0025113	4.33	5.45	.00105299	.0017717	.0021793	4.83	5.94
4-41	1	2	.0078457	.0011578	.0015891	4.94	6.78	.0078137	.0010678	.0014541	5.37	7.32
4-41	1	3	.0078874	.0011052	.0013556	5.82	7.14	.0077794	.0010322	.0013476	5.77	7.53
4-41	2	1	.00132830	.0022321	.0028153	4.72	5.95	.00129510	.0020108	.0024833	5.22	6.44
4-41	2	2	.00109222	.0016136	.0017575	6.21	6.77	.00108872	.0015236	.0016225	6.71	7.15
4-41	2	3	.0092297	.0013263	.0015918	5.80	6.96	.0091217	.0012543	.0015838	5.76	7.27
4-41	3	1	.0079335	.0016987	.0023565	3.37	4.67	.0076015	.0014774	.0020245	3.75	5.15
4-41	3	2	.0077029	.0011310	.0013165	5.85	6.81	.0076729	.0010410	.0011815	6.49	7.37
4-41	3	3	.0077160	.0010607	.0011727	6.58	7.27	.0076080	.0009887	.0011647	6.53	7.69
4-41	4	1	.0062809	.0013953	.0021899	2.87	4.53	.0059489	.0011640	.0018579	3.20	5.11
4-41	4	2	.0056386	.0009646	.0012272	4.59	6.52	.0056036	.0007746	.0010922	5.13	7.23
4-41	4	3	.0047898	.0007899	.0010252	4.67	6.06	.0046818	.0007179	.0010172	4.60	6.52
4-41	5	1	.00116502	.0021032	.0028334	4.11	5.54	.00113182	.0018819	.0025014	4.52	6.01
4-41	5	2	.0011214	.0017604	.0017895	6.21	6.32	.0010864	.0016704	.0016545	6.70	6.64
4-41	5	3	.0013831	.0016809	.0016777	6.19	6.18	.00102751	.0016089	.0016697	6.15	6.39
4-41	6	1	.0068556	.0015774	.0024593	2.79	4.35	.0065236	.0013561	.0021273	3.07	4.81
4-41	6	2	.0054736	.0009360	.0013418	4.08	5.85	.0054386	.0008460	.0012068	4.51	6.43
4-41	6	3	.0054341	.0007844	.0012150	4.47	6.93	.0053261	.0007124	.0012070	4.41	7.48
4-41	7	1	.0077354	.0019009	.0025804	3.00	4.07	.0074034	.0016796	.0022484	3.29	4.41
4-41	7	2	.0061792	.0009360	.0013329	4.64	6.60	.0061442	.0008460	.0011975	5.13	7.26
4-41	7	3	.0059473	.0010085	.0012297	4.84	5.90	.0058393	.0009365	.0012217	4.78	6.24
4-41	8	1	.0034993	.0018605	.0024277	3.50	4.57	.0081673	.0016392	.0020957	3.90	4.98

STA NO	BOT NO	LAMBDA	WATER + PARTICLES			PARTICLES					45 135	45 90
			B(45)	B(90)	B(135)	B(45)	B(90)	B(135)	B(45)	B(90)		
4-42	6	1	.0037525	.0010273	.0019412	1.89	3.65	.0034205	.0008060	.0016492	2.07	4.24
4-42	6	2	.0025039	.0005737	.0009950	2.52	4.36	.0024689	.0004937	.0008600	2.87	5.10
4-42	6	3	.0021417	.0004073	.0009734	2.20	5.26	.0020337	.0003353	.0009654	2.11	6.07
4-42	7	1	.0036439	.0010608	.0018517	1.97	3.44	.0033119	.0009395	.0015197	2.18	3.95
4-42	7	2	.0027127	.0004574	.0009575	2.83	5.93	.0026777	.0003674	.0008225	3.26	7.29
4-42	7	3	.0022100	.0003867	.0008547	2.59	5.71	.0021020	.0003147	.0008467	2.48	6.68
4-42	8	1	.0035110	.0010671	.0019296	1.82	3.29	.0031790	.0008458	.0015976	1.99	3.76
4-42	8	2	.0021771	.0004419	.0010193	2.14	4.93	.0021421	.0003519	.0008843	2.42	6.09
4-42	8	3	.0022051	.0003862	.0009058	2.43	5.71	.0020971	.0003142	.0008978	2.34	6.67
4-42	9	1	.0032063	.0010273	.0019411	1.65	3.12	.0028743	.0008060	.0016091	1.79	3.57
4-42	9	2	.0022831	.0004609	.0010296	2.22	4.95	.0022481	.0003709	.0008946	2.51	6.06
4-42	9	3	.0022110	.0004328	.0009082	2.43	5.11	.0021030	.0003608	.0009002	2.34	5.83
4-42	10	1	.0032684	.0010671	.0019084	1.71	3.06	.0029364	.0008458	.0015764	1.86	3.47
4-42	10	2	.0023158	.0004419	.0012688	1.83	5.24	.0022808	.0003519	.0011338	2.01	6.48
4-42	10	3	.0019535	.0003645	.0008135	2.40	5.36	.0018455	.0002925	.0008055	2.29	6.31
4-42	11	1	.0028685	.0009389	.0016763	1.71	3.05	.0025365	.0007176	.0013443	1.89	3.53
4-42	11	2	.0018854	.0004032	.0009000	2.09	4.68	.0018504	.0003132	.0007650	2.42	5.91
4-42	11	3	.0019497	.0003394	.0005657	3.45	5.74	.0018417	.0002674	.0005577	3.30	6.89
4-42	12	1	.0032075	.0010671	.0019107	1.68	3.01	.0028755	.0008458	.0015787	1.82	3.40
4-42	12	2	.0020893	.0004962	.0009930	2.10	4.21	.0020543	.0004062	.0008580	2.39	5.06
4-42	12	3	.0020400	.0004328	.0008277	2.46	4.71	.0019320	.0003608	.0008197	2.36	5.35
4-43	1	1	.0068674	.0013751	.0021498	3.19	4.99	.0065354	.0011538	.0018178	3.60	5.66
4-43	1	2	.0054765	.0007800	.0012642	4.33	7.02	.0054415	.0006900	.0011292	4.82	7.89
4-43	1	3	.0050125	.0007172	.0010426	4.81	6.99	.0049045	.0006452	.0010346	4.74	7.60
4-43	2	1	.0064854	.0014560	.0022261	2.91	4.45	.0061534	.0012347	.0018941	3.25	4.98
4-43	2	2	.0056122	.0007742	.0012065	4.65	7.25	.0055772	.0006842	.0010715	5.20	8.15
4-43	2	3	.0056586	.0007790	.0010265	5.51	7.26	.0055506	.0007070	.0010185	5.45	7.85
4-43	3	1	.0050802	.0012045	.0019546	2.60	4.22	.0047482	.0009832	.0016226	2.93	4.83
4-43	3	2	.0042491	.0006630	.0011201	3.79	6.41	.0042141	.0005730	.0009851	4.28	7.35
4-43	3	3	.0037205	.0005587	.0009687	3.84	6.66	.0036125	.0004867	.0009607	3.76	7.42
4-43	4	1	.0041584	.0010841	.0019897	2.09	3.84	.0038264	.0008628	.0016577	2.31	4.44
4-43	4	2	.0039938	.0005806	.0010952	2.82	5.33	.0030588	.0004906	.0009602	3.19	6.23
4-43	4	3	.0028547	.0005564	.0009630	2.96	5.13	.0027467	.0004844	.0009550	2.88	5.67
4-43	5	1	.0038209	.0011161	.0020478	1.87	3.42	.0034089	.0008948	.0017158	2.03	3.90
4-43	5	2	.0033323	.0006580	.0011567	2.62	4.61	.0029973	.0005680	.0010217	2.93	5.28
4-43	5	3	.0026831	.0005119	.0010036	2.67	5.24	.0025751	.0004399	.0009956	2.59	5.85
4-43	6	1	.0047033	.0012286	.0021837	2.15	3.83	.0043713	.0010073	.0018517	2.36	4.34
4-43	6	2	.0032100	.0005961	.0011499	2.79	5.38	.0031750	.0005061	.0010149	3.13	6.27
4-43	6	3	.0030238	.0006009	.0009906	3.05	5.03	.0029158	.0005289	.0009826	2.97	5.51
4-43	7	1	.0037059	.0010363	.0018695	1.98	3.58	.0033739	.0008150	.0015375	2.19	4.14
4-43	7	2	.0024414	.0004464	.0009086	2.69	5.47	.0024064	.0003564	.0007736	3.11	6.75
4-43	7	3	.0026051	.0004451	.0008194	3.18	5.85	.0024971	.0003731	.0008114	3.08	6.69
4-43	8	1	.0041306	.0010762	.0019142	2.16	3.84	.0037986	.0008549	.0015822	2.40	4.44
4-43	8	2	.0029783	.0005264	.0009931	3.90	5.66	.0029443	.0004364	.0008581	3.43	6.75
4-43	8	3	.0026385	.0004451	.0008352	3.16	5.93	.0025305	.0003731	.0008272	3.06	6.78
4-43	9	1	.0032716	.0010332	.0018194	1.80	3.17	.0029396	.0008120	.0014874	1.98	3.62
4-43	9	2	.0023847	.0004477	.0008826	2.70	5.33	.0023497	.0003577	.0007476	3.14	6.57
4-43	9	3	.0023522	.0004451	.0007610	3.09	5.28	.0022442	.0003731	.0007530	2.98	6.01
4-43	10	1	.0037634	.0011001	.0019587	1.92	3.42	.0034314	.0008788	.0016267	2.11	3.90
4-43	10	2	.0025301	.0004631	.0009360	2.70	5.46	.0024951	.0003731	.0008010	3.11	6.69

STA NO	BOT NO	LAMDA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-43	10	3	.0023361	.0004421	.0007558	3.09	5.28	.0022281	.0003701	.0007478	2.98	6.02
4-43	11	1	.0029172	.0009865	.0017888	1.63	2.96	.0025852	.0007652	.0014568	1.77	3.38
4-43	11	2	.0015158	.0003842	.0008881	2.04	4.73	.0017808	.0002942	.0007531	2.36	6.05
4-43	11	3	.0016494	.0003293	.0007426	2.22	5.01	.0015414	.0002573	.0007346	2.10	5.99
4-43	12	1	.0038540	.0011680	.0020308	1.90	3.48	.0039220	.0009867	.0016988	2.07	3.97
4-43	12	2	.0027206	.0004841	.0010299	2.64	5.62	.0026856	.0003941	.0008949	3.00	6.81
4-43	12	3	.0026384	.0004421	.0008718	3.26	6.42	.0027304	.0003701	.0008638	3.16	7.39
4-43	13	1	.0029989	.0009987	.0018834	1.59	3.00	.0026669	.0007774	.0015514	1.72	3.43
4-43	13	2	.0019445	.0004195	.0009752	1.99	4.64	.0019095	.0003295	.0008402	2.27	5.80
4-43	13	3	.0018117	.0003513	.0008674	2.04	5.16	.0017037	.0002793	.0008794	1.94	6.10
4-43	14	1	.0037698	.0011001	.0019284	1.95	3.43	.0034378	.0008788	.0015964	2.15	3.91
4-43	14	2	.0026636	.0004764	.0009851	2.70	5.59	.0026286	.0003864	.0008501	3.09	6.80
4-43	14	3	.0029598	.0005458	.0008486	3.49	5.42	.0028518	.0004733	.0008408	3.39	6.02
4-43	15	1	.0035315	.0010608	.0018774	1.88	3.33	.0031995	.0008395	.0015454	2.07	3.81
4-43	15	2	.0023637	.0004921	.0009805	2.41	4.80	.0023287	.0004021	.0008455	2.75	5.79
4-43	15	3	.0024882	.0004391	.0007443	3.34	5.67	.0023802	.0003671	.0007363	3.23	6.48
4-43	16	1	.0031295	.0011872	.0019579	1.57	2.64	.0027975	.0009659	.0016659	1.68	2.90
4-43	16	2	.0026239	.0004393	.0009832	2.06	4.61	.0019889	.0003493	.0008482	2.34	5.69
4-43	16	3	.0021786	.0004451	.0008926	2.50	4.89	.0020706	.0003731	.0008446	2.45	5.55
4-43	17	1	.0033112	.0011634	.0019910	1.66	2.85	.0029792	.0009421	.0016590	1.80	3.16
4-43	17	2	.0023379	.0004610	.0010561	2.21	5.67	.0023029	.0003710	.0009211	2.50	6.21
4-43	17	3	.0022471	.0004303	.0008559	2.35	5.22	.0021391	.0003583	.0009479	2.26	5.97
4-43	18	1	.0032763	.0011880	.0021132	1.55	2.96	.0029443	.0008867	.0017812	1.65	3.32
4-43	18	2	.0022486	.0004995	.0010889	2.07	4.50	.0022136	.0004095	.0009539	2.32	5.41
4-43	18	3	.0019926	.0004707	.0009040	2.20	3.15	.0018846	.0013632	.0008960	2.10	3.14
4-43	19	1	.0033724	.0011080	.0019705	1.71	3.04	.0030404	.0008867	.0016385	1.86	3.43
4-43	19	2	.0024261	.0004995	.0010523	2.30	4.86	.0023911	.0004095	.0009178	2.61	5.84
4-43	19	3	.0023836	.0004421	.0008384	2.84	5.39	.0022756	.0003701	.0008304	2.74	6.15
4-43	20	1	.0032331	.0010765	.0018287	1.77	3.00	.0029011	.0008552	.0014967	1.94	3.39
4-43	20	2	.0021911	.0004214	.0008827	2.48	5.20	.0021561	.0003314	.0007477	2.88	6.51
4-43	20	3	.0022534	.0003979	.0007083	3.18	5.66	.0021454	.0003259	.0007603	3.66	6.58
4-43A	1	1	.0062633	.0013715	.0025885	2.42	4.57	.0059313	.0011502	.0022565	2.63	5.16
4-43A	1	2	.0047183	.0007683	.0014548	3.24	6.14	.0046838	.0006783	.0013198	3.55	6.91
4-43A	1	3	.0046762	.0006871	.0012924	3.62	6.81	.0045682	.0006151	.0012844	3.56	7.43
4-43A	2	1	.0054872	.0013101	.0024611	2.23	4.19	.0051552	.0010888	.0021291	2.42	4.73
4-43A	2	2	.0048329	.0007893	.0013608	3.55	6.81	.0047979	.0006193	.0012258	3.91	7.75
4-43A	2	3	.0047525	.0006734	.0013289	3.58	7.06	.0046445	.0006014	.0013209	3.52	7.72
4-43A	3	1	.0059874	.0013101	.0023511	2.55	4.57	.0056554	.0010888	.0020191	2.80	5.19
4-43A	3	2	.0048121	.0007300	.0013438	3.58	6.59	.0047771	.0006400	.0012688	3.95	7.46
4-43A	3	3	.0047943	.0006773	.0011651	4.03	6.94	.0045963	.0006059	.0011601	3.96	7.59
4-43A	4	1	.0041054	.0010561	.0020858	1.97	3.89	.0037734	.0008348	.0017538	2.15	4.52
4-43A	4	2	.0030640	.0005379	.0008634	2.43	5.70	.0030290	.0004479	.0011284	2.68	6.76
4-43A	4	3	.0029316	.0005268	.0011487	2.55	5.57	.0028236	.0004549	.0011407	2.48	6.21
4-43A	5	1	.0042789	.0010687	.0020151	2.12	4.00	.0039469	.0008474	.0016831	2.34	4.66
4-43A	5	2	.0026361	.0004959	.0011820	2.23	5.32	.0026011	.0004059	.0010470	2.48	6.41
4-43A	5	3	.0023525	.0004041	.0010252	2.30	5.85	.0022545	.0003321	.0010172	2.22	6.79
4-43A	6	1	.0033945	.0010170	.0019155	1.77	3.34	.0030625	.0007957	.0015835	1.93	3.85
4-43A	6	2	.0025855	.0004576	.0009800	2.54	5.65	.0025505	.0003676	.0008450	3.02	6.94
4-43A	6	3	.0024173	.0004490	.0009374	2.58	5.38	.0023093	.0003779	.0009294	2.48	6.13
4-43A	7	1	.0035041	.0010884	.0019964	1.76	3.48	.0031721	.0007871	.0016584	1.91	4.03

STA NO	ROT NO	WATER + PARTICLES					PARTICLES				
		LAMCA	R(45)	3(90)	R(135)	45 135	45 90	R(45)	R(90)	R(135)	45 135
4-43A 7	2	.0023265	.0004413	.0010474	2.22	5.27	.0022915	.0003513	.0009124	2.51	6.52
4-43A 7	3	.0021364	.0004095	.0009618	2.22	5.22	.0020284	.0003375	.0009538	2.13	6.01
4-43A 8	1	.0036840	.0010478	.0019234	1.92	3.52	.0033520	.0008265	.0015914	2.11	4.06
4-43A 8	2	.0023862	.0004490	.0010333	2.31	5.31	.0023512	.0003590	.0008983	2.62	6.55
4-43A 8	3	.0022248	.0003640	.0009237	2.41	6.11	.0021168	.0002920	.0009157	2.31	7.25
4-43A 9	1	.0036083	.0011294	.0021456	1.68	3.19	.0032763	.0009081	.0018136	1.81	3.61
4-43A 9	2	.0023480	.0005110	.0010939	2.15	4.59	.0023130	.0004210	.0009589	2.41	5.49
4-43A 9	3	.0023796	.0004068	.0009975	2.39	5.85	.0022716	.0003348	.0009895	2.30	6.79
4-43A10	1	.0035142	.0010561	.0019110	1.84	3.73	.0031822	.0008348	.0015790	2.02	3.81
4-43A10	2	.0022341	.0004576	.0010225	2.19	4.86	.0021991	.0003676	.0008875	2.48	5.98
4-43A10	3	.0022119	.0004519	.0008657	2.56	4.89	.0021039	.0003799	.0008577	2.45	5.54
4-43A11	1	.0033339	.0010170	.0019358	1.72	3.28	.0030019	.0007957	.0016038	1.87	3.77
4-43A11	2	.0024257	.0004457	.0010646	2.23	5.44	.0023907	.0003557	.0009296	2.57	6.72
4-43A11	3	.0025730	.0003867	.0009105	2.83	6.65	.0024650	.0003147	.0009025	2.73	7.83
4-43A12	1	.0041690	.0010550	.0020562	2.03	3.95	.0038370	.0008347	.0017242	2.23	4.60
4-43A12	2	.0021299	.0004226	.0011228	1.90	5.04	.0020949	.0003326	.0009878	2.12	6.30
4-43A12	3	.0019493	.0003842	.0009620	2.03	5.07	.0018413	.0003122	.0009540	1.93	5.90
4-43A13	1	.0029409	.0010330	.0019394	1.52	2.85	.0026089	.0008117	.0016074	1.62	3.21
4-43A13	2	.0021701	.0004134	.0009309	2.33	5.25	.0021351	.0003234	.0007559	2.68	6.60
4-43A13	3	.0022438	.0003893	.0008248	2.72	5.76	.0021358	.0003173	.0008168	2.61	6.73
4-43A14	1	.0035244	.0010066	.0021763	1.67	3.60	.0032924	.0007853	.0018443	1.79	4.19
4-43A14	2	.0023591	.0004323	.0011416	2.07	5.46	.0023241	.0003423	.0010066	2.31	6.79
4-43A14	3	.0020773	.0003459	.0009783	2.12	6.01	.0019693	.0002739	.0009703	2.03	7.19
4-43A15	1	.0065163	.0012201	.0023636	2.76	5.74	.0061848	.0009968	.0020310	3.05	6.19
4-43A15	2	.0062726	.0006631	.0013232	4.74	9.39	.0062376	.0005781	.0011882	5.25	0.7*
4-43A15	3	.0040471	.0004905	.0011243	3.60	3.25	.0039391	.0004186	.0011163	3.53	9.41
4-43A16	1	.0036698	.0011049	.0021745	1.69	3.32	.0033378	.0008336	.0018425	1.81	3.78
4-43A16	2	.0022684	.0004430	.0011571	1.96	5.06	.0022334	.0003580	.0010221	2.19	6.24
4-43A16	3	.0024689	.0003842	.0009423	2.62	6.42	.0023600	.0003122	.0009343	2.53	7.56
4-43A17	1	.0030011	.0010981	.0022767	1.45	3.07	.0029691	.0008668	.0019447	1.53	3.43
4-43A17	2	.0020480	.0004937	.0012575	1.63	4.15	.0020130	.0004037	.0011225	1.79	4.99
4-43A17	3	.0020842	.0004003	.0010595	1.97	5.21	.0019762	.0003283	.0010515	1.88	6.02
4-43A18	1	.0036350	.0010948	.0021857	1.66	3.32	.0033030	.0008735	.0018537	1.78	3.78
4-43A18	2	.0023761	.0004411	.0011807	2.01	4.84	.0023411	.0004011	.0010457	2.24	5.84
4-43A18	3	.0020863	.0003842	.0009913	2.10	5.43	.0019783	.0003122	.0009853	2.01	6.34
4-43A19	1	.0059453	.0011117	.0021595	1.83	3.55	.0036133	.0008904	.0018275	1.98	4.06
4-43A19	2	.0026894	.0004873	.0011411	2.36	5.52	.0026544	.0003973	.0010061	2.64	6.68
4-43A19	3	.0026823	.0003998	.0008826	3.04	5.71	.0025743	.0003278	.0008746	2.94	7.85
4-43A20	1	.0034795	.0010803	.0022443	1.55	3.22	.0031475	.0003590	.0019123	1.65	3.66
4-43A20	2	.0021931	.0004752	.0012179	1.80	4.61	.0021581	.0003852	.0010829	1.99	5.60
4-43A20	3	.0025177	.0004083	.0010120	2.49	5.38	.0024097	.0003963	.0010040	2.40	6.08
4-44 1	1	.0058046	.0014641	.0023382	3.77	6.01	.0084726	.0012428	.0020062	4.22	6.82
4-44 1	2	.0063683	.0003527	.0014792	4.31	7.47	.0063333	.0007627	.0013442	4.71	8.30
4-44 1	3	.0059178	.0003029	.0012236	4.34	7.37	.0058093	.0007308	.0012156	4.78	7.95
4-44 2	1	.0091769	.0015861	.0025727	3.57	5.79	.0088449	.0013648	.0022407	3.95	6.48
4-44 2	2	.0067571	.0009984	.0015910	4.25	6.77	.0067221	.0009984	.0014560	4.62	7.40
4-44 2	3	.0060872	.0007704	.0013665	4.45	7.90	.0059792	.0006984	.0013535	4.40	8.56
4-44 3	1	.0064265	.0011458	.0024450	2.63	5.61	.0060945	.0009245	.0021130	2.88	6.59
4-44 3	2	.0040015	.0005616	.0014156	2.83	7.12	.0039665	.0004716	.0012806	3.10	8.41
4-44 3	3	.0041498	.0005147	.0012684	3.27	6.74	.0040378	.0005427	.0012604	3.20	7.44

STA NO	ROT NO	LAMCA	WATER + PARTICLES			PARTICLES						
			3(45)	3(90)	8(135)	45 135	45 90	2(45)	2(90)	2(135)	45 135	45 90
4-44	4	1	.0047273	.0011049	.0023220	2.04	4.28	.0043953	.0008836	.0019900	2.21	4.97
4-44	4	2	.0036660	.0006675	.0013476	2.72	6.46	.0036310	.0004775	.0012126	2.99	7.60
4-44	4	3	.0031931	.0004810	.0011738	2.72	6.64	.0030851	.0004090	.0011658	2.65	7.54
4-44	5	1	.0040705	.0010575	.0024350	1.67	3.85	.0037385	.0008362	.0021030	1.78	4.47
4-44	5	2	.0030301	.0004995	.0013821	2.19	6.07	.0029951	.0004095	.0012471	2.40	7.31
4-44	5	3	.0027111	.0004374	.0012171	2.23	6.20	.0026031	.0003654	.0012091	2.15	7.12
4-44	5	1	.0046521	.0010719	.0019392	2.09	3.78	.0037201	.0008506	.0016072	2.31	4.37
4-44	5	2	.0028061	.0005125	.0010971	2.56	5.55	.0027711	.0005035	.0009621	2.88	6.95
4-44	6	3	.0025394	.0004997	.0003997	2.82	5.08	.0024314	.0004277	.0008917	2.73	5.68
4-44	7	1	.0039890	.0010719	.0020023	1.99	3.72	.0036570	.0009506	.0016703	2.19	4.30
4-44	7	2	.0026466	.0004530	.0011153	2.37	5.77	.0026116	.0003690	.0009803	2.66	7.08
4-44	7	3	.0021863	.0004155	.0009530	2.29	5.26	.0020783	.0003435	.0009450	2.20	6.05
4-44	8	1	.0039621	.0010719	.0019123	2.07	3.70	.0036301	.0008506	.0015007	2.30	4.27
4-44	8	2	.0026989	.0005110	.0010631	2.54	5.28	.0026639	.0004210	.0009221	2.87	6.23
4-44	8	3	.0024405	.0004750	.0008971	2.72	5.14	.0023326	.0004030	.0008891	2.62	5.79
4-44	9	1	.0036520	.0010719	.0018755	1.99	3.39	.0037200	.0008570	.0015439	2.15	3.87
4-44	9	2	.0026427	.0004993	.0010069	2.67	5.23	.0026077	.0004054	.0008219	2.90	6.43
4-44	9	3	.0027053	.0004944	.0009370	2.89	5.47	.0025978	.0004223	.0009200	2.80	6.14
4-44	10	1	.0035041	.0010481	.0019904	1.76	3.34	.0031721	.0008268	.0016584	1.91	3.84
4-44	10	2	.0022203	.0004226	.0010605	2.09	5.25	.0021853	.0003326	.0009260	2.36	6.57
4-44	10	3	.0024419	.0005829	.0008641	2.43	4.19	.0023339	.0005109	.0008961	2.73	4.57
4-44	11	1	.0032449	.0009866	.0019274	1.68	3.29	.0029120	.0007653	.0015914	1.83	3.81
4-44	11	2	.0024625	.0004496	.0009765	2.54	5.52	.0024475	.0003596	.0008415	2.91	6.81
4-44	11	3	.0022886	.0003454	.0008062	2.77	6.45	.0021216	.0002734	.0007982	2.66	7.76
4-44	12	1	.0035297	.0010322	.0018355	1.96	3.48	.0032567	.0008109	.0015039	2.17	4.02
4-44	12	2	.0026659	.0004610	.0009263	2.83	5.78	.0026308	.0003710	.0007913	2.32	7.09
4-44	12	3	.0021031	.0003862	.0007398	2.34	5.45	.0019951	.0003142	.0007318	2.73	6.35
4-44	13	1	.0031663	.0010230	.0022562	1.40	3.10	.0028343	.0008017	.0019242	1.47	3.54
4-44	13	2	.0019172	.0004424	.0013102	1.46	4.33	.0018822	.0003524	.0011752	1.60	5.34
4-44	13	3	.0018955	.0004490	.0011257	1.68	4.22	.0017875	.0003770	.0011207	1.59	4.74
4-44	14	1	.0034054	.0010806	.0023160	1.47	3.15	.0030734	.0008593	.0019840	1.55	3.58
4-44	14	2	.0022944	.0004716	.0012642	1.31	4.87	.0022594	.0003816	.0011292	2.00	5.92
4-44	14	3	.0023785	.0004237	.0010854	2.19	5.61	.0022705	.0003517	.0010774	2.11	6.46
4-44	15	1	.0041083	.0010806	.0021940	1.37	3.80	.0037768	.0008593	.0018620	2.03	4.40
4-44	15	2	.0024658	.0004673	.0012076	2.04	5.28	.0024308	.0003773	.0010726	2.27	6.44
4-44	15	3	.0025183	.0003791	.0009949	2.93	6.64	.0024103	.0003071	.0009869	2.44	7.85
4-44	16	1	.0033495	.0010639	.0023743	1.41	3.15	.0030175	.0008426	.0020423	1.48	3.58
4-44	16	2	.0022505	.0004180	.0012474	1.76	5.26	.0021656	.0003280	.0011124	1.95	6.60
4-44	16	3	.0023146	.0003742	.0010558	2.19	6.19	.0022066	.0003022	.0010478	2.11	7.30
4-44	17	1	.0036625	.0010639	.0023624	1.55	3.44	.0033306	.0008426	.0020304	1.64	3.95
4-44	17	2	.0023522	.0004873	.0013221	1.78	4.83	.0023172	.0003973	.0011871	1.95	5.83
4-44	17	3	.0020873	.0004014	.0011135	1.87	5.20	.0019798	.0003294	.0011055	1.79	6.01
4-44	18	1	.0034794	.0010639	.0024167	1.61	3.65	.0035474	.0008426	.0020847	1.70	4.21
4-44	18	2	.0024707	.000393*	.0013656	1.81	6.2*	.00243570	.000483*	.0012306	1.98	5.0*
4-44	18	3	.0023825	.0003766	.0010099	2.36	6.33	.0022745	.0003146	.0010019	2.27	7.47
4-44	19	1	.0040403	.0010889	.0022855	1.77	3.71	.0037088	.0008672	.0019535	1.90	4.28
4-44	19	2	.0028334	.0005266	.0013038	2.17	5.38	.0027984	.0004366	.0011688	2.39	6.41
4-44	19	3	.0024980	.0004431	.0010901	2.29	5.64	.0023900	.0003711	.0010821	2.21	6.44
4-44	20	1	.0039167	.0011049	.0022590	1.73	3.54	.0035847	.0008836	.0019270	1.86	4.06
4-44	20	2	.0025763	.0004752	.0012298	2.18	5.63	.0026413	.0003852	.0010948	2.41	6.86

STA NO	RCT NO	LAMBDA	WATER PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-44	20	3	.0025078	.0004442	.0016080	2.49	5.64	.0023998	.0003722	.0016000	2.40	6.45
4-45	1	1	.0080837	.0013762	.0026185	3.09	5.90	.0077517	.0011489	.0022865	3.39	6.75
4-45	1	2	.0092474	.0008513	.0013833	6.68	0.8*	.0092124	.0007613	.0012483	7.38	2.1*
4-45	1	3	.0089878	.0009416	.0015086	5.96	9.55	.0088798	.0008696	.0015006	5.92	0.2*
4-45	2	1	.0083627	.0014548	.0027458	3.05	5.71	.0080307	.0012435	.0024138	3.33	6.46
4-45	2	2	.0068837	.0009221	.0016761	4.11	7.47	.0068487	.0008321	.0015411	4.44	8.23
4-45	2	3	.0068310	.0007605	.0015668	4.36	8.98	.0067230	.0006885	.0015588	4.31	9.76
4-45	3	1	.0063404	.0012307	.0028534	2.22	5.15	.0060084	.0010094	.0025214	2.38	5.95
4-45	3	2	.0050682	.0005336	.0016836	3.01	8.00	.0050332	.0005436	.0015486	3.25	9.26
4-45	3	3	.0043473	.0005875	.0014753	2.95	7.40	.0042393	.0005155	.0014673	2.89	8.22
4-45	4	1	.0066211	.0011735	.0026179	2.53	5.64	.0062891	.0009522	.0022859	2.75	6.61
4-45	4	2	.0049771	.0005379	.0015724	3.17	9.25	.0049421	.0004479	.0014374	3.44	1.0*
4-45	4	3	.0035494	.0005363	.0015045	2.36	6.62	.0034414	.0004643	.0014965	2.30	7.41
4-45	5	1	.0067176	.0011513	.0027177	2.47	5.83	.0063856	.0009300	.0023857	2.68	6.87
4-45	5	2	.0046839	.0006147	.0016716	2.80	7.62	.0046489	.0005247	.0015366	3.03	8.86
4-45	5	3	.0033256	.0004750	.0014078	2.36	7.01	.0032206	.0004030	.0013998	2.30	7.99
4-45	6	1	.0064646	.0011513	.0028487	2.27	5.62	.0061326	.0009300	.0025167	2.44	6.59
4-45	6	2	.0046458	.0004958	.0017468	2.66	9.37	.0046108	.0004058	.0016118	2.86	1.3*
4-45	6	3	.0042061	.0004720	.0014795	2.84	8.91	.0040981	.0004000	.0014715	2.78	0.2*
4-45	7	1	.0056251	.0010639	.0024963	2.25	5.29	.0052931	.0008426	.0021643	2.45	6.28
4-45	7	2	.0039921	.0004921	.0015261	2.62	8.11	.0039571	.0004021	.0013911	2.84	9.84
4-45	7	3	.0036733	.0004237	.0013174	2.79	8.67	.0035653	.0003517	.0013694	2.72	0.1*
4-45	8	1	.0053793	.0010499	.0025293	2.12	5.11	.0050383	.0008286	.0021978	2.29	6.08
4-45	8	2	.0037647	.0005072	.0015058	2.50	7.42	.0037297	.0004172	.0013708	2.72	8.54
4-45	8	3	.0029021	.0004291	.0012832	2.26	6.76	.0027941	.0003571	.0012752	2.19	7.83
4-45	9	1	.0043181	.0011017	.0028126	1.54	3.92	.0039861	.0008804	.0024806	1.61	4.53
4-45	9	2	.0029722	.0004972	.0017752	1.67	5.98	.0029372	.0004072	.0016402	1.79	7.21
4-45	9	3	.0028927	.0004505	.0015294	1.89	6.42	.0027847	.0003785	.0015214	1.83	7.36
4-45	10	1	.0043595	.0010952	.0026440	1.65	3.98	.0040275	.0008739	.0023120	1.74	4.61
4-45	10	2	.0028255	.0004509	.0016443	1.72	6.27	.0027905	.0003609	.0015093	1.85	7.73
4-45	10	3	.0024867	.0004720	.0014301	1.74	5.27	.0023787	.0004000	.0014221	1.67	5.95
4-45	11	1	.0041083	.0011116	.0028872	1.44	3.70	.0037763	.0008903	.0025152	1.50	4.24
4-45	11	2	.0026873	.0004645	.0016726	1.61	5.79	.0026523	.0003745	.0015376	1.72	7.08
4-45	11	3	.0036825	.0004346	.0014042	2.62	8.47	.0035745	.0003626	.0013962	2.56	9.86
4-45	12	1	.0044298	.0010170	.0024022	1.84	4.36	.0040978	.0007957	.0020702	1.98	5.15
4-45	12	2	.0031651	.0004575	.0013951	2.27	5.92	.0031301	.0003676	.0012601	2.48	8.51
4-45	12	3	.0029237	.0003886	.0012087	2.42	7.52	.0028157	.0003166	.0012007	2.34	8.89
4-46	1	1	.0044609	.0015037	.0029754	1.50	2.97	.0041289	.0012824	.0026434	1.56	3.22
4-46	1	2	.0062605	.0004656	.0017826	3.51	3.4*	.0062255	.0003766	.0016476	3.78	6.5*
4-46	1	3	.0060633	.0007634	.0015815	3.83	7.89	.0059553	.0006964	.0015735	3.78	8.55
4-46	2	1	.0084201	.0015037	.0028854	2.92	5.60	.0080881	.0012824	.0025534	3.17	6.31
4-46	2	2	.0070478	.0008903	.0018027	3.91	7.92	.0070128	.0008003	.0016677	4.20	8.76
4-46	2	3	.0065808	.0007925	.0016845	3.91	8.30	.0064728	.0007205	.0016765	3.86	8.98
4-46	3	1	.0062250	.0012973	.0025256	2.46	4.95	.0058930	.0010360	.0021936	2.69	5.69
4-46	3	2	.0052291	.0006630	.0015895	3.29	7.89	.0051941	.0005730	.0014545	3.57	9.06
4-46	3	3	.0046753	.0006139	.0014270	3.28	7.55	.0045673	.0005469	.0014190	3.22	8.35
4-46	4	1	.0052820	.0012519	.0026095	2.02	4.22	.0049500	.0010306	.0022775	2.17	4.80
4-46	4	2	.0038414	.0006193	.0016584	2.32	6.20	.0038064	.0005293	.0015234	2.50	7.19
4-46	4	3	.0041376	.0005924	.0014869	2.78	6.98	.0040296	.0005208	.0014789	2.72	7.74
4-46	5	1	.0041043	.0010938	.0026062	1.57	3.87	.0037723	.0008395	.0022742	1.66	4.49

STA NO	BOT NC	LAMP	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-46	5	2	.0028377	.0005632	.0016078	1.76	5.64	.0028027	.0004132	.0014728	1.90	6.78
4-46	5	3	.0026097	.0004361	.0014838	1.76	5.98	.0025017	.0003641	.0014758	1.70	6.87
4-46	6	1	.0050640	.0011787	.0026321	1.90	4.25	.0046720	.0009574	.0023061	2.03	4.88
4-46	6	2	.0036306	.0005850	.0017098	2.12	6.21	.0035956	.0004950	.0015748	2.28	7.26
4-46	6	3	.0036355	.0005489	.0014556	2.50	6.62	.0035275	.0004769	.0014476	2.44	7.40
4-46	7	1	.0046445	.0011757	.0027434	1.69	3.95	.0043125	.0009544	.0024114	1.79	4.52
4-46	7	2	.0034882	.0005651	.0016126	2.16	6.17	.0034532	.0004751	.0014776	2.34	7.27
4-46	7	3	.0031950	.0005451	.0014283	2.24	5.86	.0030970	.0004731	.0014203	2.17	6.52
4-46	8	1	.0051555	.0012180	.0025952	2.00	4.26	.0048535	.0009967	.0022632	2.14	4.87
4-46	8	2	.0041161	.0006240	.0014823	2.78	6.60	.0040911	.0005340	.0013478	3.03	7.64
4-46	8	3	.0037246	.0005708	.0013180	2.83	6.53	.0036166	.0004988	.0013100	2.76	7.25
4-46	9	1	.0044674	.0011787	.0025324	1.76	3.79	.0041354	.0009574	.0022604	1.88	4.32
4-46	9	2	.0031183	.0006299	.0016049	1.94	4.95	.0030833	.0005399	.0014699	2.10	5.71
4-46	9	3	.0029586	.0005474	.0013934	2.12	5.41	.0028506	.0004754	.0013854	2.06	6.00
4-46	10	1	.0058022	.0014044	.0028500	2.04	4.13	.0054702	.0011831	.0025180	2.17	4.62
4-46	10	2	.0043854	.0008166	.0018836	2.33	5.37	.0043504	.0007266	.0017486	2.49	5.99
4-46	10	3	.0045902	.0006959	.0016536	2.78	6.60	.0044822	.0006239	.0016496	2.72	7.18
4-46	11	1	.0052400	.0013358	.0027432	1.91	3.92	.0049080	.0011145	.0024112	2.04	4.40
4-46	11	2	.0049973	.0012593	.0025554	1.96	3.97	.0049623	.0011693	.0024204	2.05	4.24
4-46	11	3	.0037176	.0006586	.0015028	2.47	5.64	.0036096	.0005866	.0014948	2.41	6.15
4-46	12	1	.0039459	.0011110	.0024029	1.64	3.55	.0036138	.0008897	.0020709	1.75	4.06
4-46	12	2	.0029507	.0005318	.0013896	2.12	5.55	.0029157	.0004418	.0012546	2.32	6.60
4-46	12	3	.0027861	.0004361	.0012272	2.27	6.39	.0026781	.0003641	.0012192	2.20	7.36
4-46	13	1	.0036074	.0010846	.0024382	1.48	3.33	.0032754	.0008633	.0021062	1.56	3.79
4-46	13	2	.0023693	.0004645	.0014777	1.60	5.10	.0023343	.0003745	.0013427	1.74	6.23
4-46	13	3	.0022991	.0004391	.0013051	1.76	5.24	.0021911	.0003671	.0012971	1.69	5.97
4-46	15	1	.0046751	.0011001	.0025773	1.58	3.70	.0037431	.0008788	.0022453	1.67	4.26
4-46	15	2	.0031384	.0005632	.0014780	2.12	6.24	.0031034	.0004132	.0013430	2.31	7.51
4-46	15	3	.0024558	.0004373	.0013269	1.85	5.62	.0023478	.0003653	.0013189	1.78	6.43
4-46	16	1	.0036441	.0011001	.0028639	1.27	3.31	.0033121	.0008788	.0025319	1.31	3.77
4-46	16	2	.0023570	.0005032	.0018035	1.31	4.68	.0023220	.0004132	.0016685	1.39	5.62
4-46	16	3	.0022011	.0004391	.0016779	1.31	5.01	.0020931	.0003671	.0016699	1.25	5.70
4-46	17	1	.0037412	.0011001	.0026801	1.40	3.40	.0034092	.0008788	.0023481	1.45	3.88
4-46	17	2	.0024911	.0005032	.0016509	1.50	4.93	.0024461	.0004132	.0015159	1.61	5.92
4-46	17	3	.0026931	.0005615	.0014807	1.82	5.37	.0025851	.0004295	.0014727	1.76	6.02
4-46	18	1	.0035333	.0010923	.0027276	1.70	3.23	.0032013	.0006710	.0023956	1.34	3.68
4-46	18	2	.0024758	.0005632	.0017101	1.45	4.93	.0024438	.0004132	.0015751	1.55	5.51
4-46	18	3	.0024428	.00141737	.0014902	1.64	.17	.0023348	.0141017	.0014822	1.58	.17
4-46	19	1	.0037283	.0012093	.0023028	1.62	3.08	.0033963	.0009880	.0019708	1.72	3.44
4-46	19	2	.0026521	.0005419	.0018219	1.46	4.89	.0026171	.0004519	.0016869	1.55	5.79
4-46	19	3	.0021875	.0004361	.0016332	1.34	5.02	.0020795	.0003641	.0016252	1.28	5.71
4-46	20	1	.0041819	.0012140	.0027521	1.52	3.44	.0038499	.0009927	.0024201	1.59	3.88
4-46	20	2	.0027214	.0005032	.0015530	1.75	5.41	.0026364	.0004132	.0014180	1.89	6.50
4-46	20	3	.0030313	.0004797	.0013512	2.24	6.32	.0029233	.0004077	.0013432	2.18	7.17
4-47	1	1	.0080167	.0014191	.0023600	3.40	5.65	.0076847	.0011978	.0020280	3.79	6.42
4-47	1	2	.0056157	.0007836	.0013734	4.99	7.17	.0055807	.0006936	.0012384	4.51	8.05
4-47	1	3	.0053375	.0007784	.0011764	4.54	6.93	.0052295	.0006984	.0011684	4.48	7.49
4-47	2	1	.0083348	.0015559	.0026852	3.10	5.36	.0086028	.0013337	.0023532	3.40	6.00
4-47	2	2	.0068634	.0008712	.0015549	4.41	7.88	.0068284	.0007812	.0014199	4.81	8.74
4-47	2	3	.0058345	.0008144	.0013761	4.24	7.16	.0057265	.0007424	.0013681	4.19	7.71

STA NO	BOT NO	LAMBDA	WATER + PARTICLES					PARTICLES				
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-47	3	1	.0050326	.0011867	.0021227	2.37	4.24	.0047006	.0009654	.0017907	2.62	4.87
4-47	3	2	.0038574	.0005936	.0012136	3.18	6.44	.0038224	.0005086	.0010786	3.54	7.52
4-47	3	3	.0034304	.0005939	.0010547	3.25	6.19	.0033224	.0004819	.0010467	3.17	6.90
4-47	4	1	.0050801	.0011284	.0021475	2.37	4.50	.0047481	.0009071	.0018155	2.62	5.23
4-47	4	2	.0039785	.0006681	.0012602	3.31	5.96	.0039435	.0005781	.0010652	3.70	6.82
4-47	4	3	.0035133	.0008419	.0011023	3.19	4.17	.0034053	.0007699	.0010943	3.11	4.42
4-47	5	1	.0048086	.0010981	.0021793	2.21	4.38	.0044766	.0008768	.0018473	2.42	5.11
4-47	5	2	.0033734	.0005940	.0012154	2.78	5.68	.0033384	.0005040	.0010804	3.09	6.62
4-47	5	3	.0031983	.0004683	.0010372	3.08	6.83	.0030903	.0003963	.0010292	3.00	7.80
4-47	6	1	.0044090	.0012090	.0022962	1.92	3.65	.0040770	.0009877	.0019642	2.08	4.13
4-47	6	2	.0032177	.0005307	.0013303	2.42	6.06	.0031827	.0004407	.0011953	2.66	7.22
4-47	6	3	.0033221	.0004820	.0010748	3.09	6.89	.0032141	.0004100	.0010668	3.01	7.84
4-47	7	1	.0037589	.0011049	.0022962	1.64	3.40	.0034269	.0003836	.0019642	1.74	3.88
4-47	7	2	.0025015	.0005502	.0013464	1.86	4.55	.0024665	.0004602	.0012114	2.04	5.36
4-47	7	3	.0023975	.0003962	.0010863	2.21	6.05	.0022895	.0003242	.0010783	2.12	7.06
4-47	8	1	.0035490	.0010881	.0022364	1.59	3.26	.0032170	.0008668	.0019044	1.69	3.71
4-47	8	2	.0024302	.0004929	.0013426	1.31	4.93	.0023952	.0004029	.0012076	1.98	5.94
4-47	8	3	.0023103	.0004842	.0011568	2.00	4.77	.0022028	.0004122	.0011488	1.92	5.34
4-47	9	1	.0039737	.0010720	.0024051	1.65	3.71	.0036417	.0008507	.0020731	1.76	4.28
4-47	9	2	.0029004	.0004559	.0011211	2.59	6.36	.0028654	.0003659	.0009861	2.91	7.83
4-47	9	3	.0026547	.0004402	.0009587	2.77	6.03	.0025467	.0003682	.0009507	2.68	6.92
4-47	10	1	.0039202	.0011687	.0021915	1.79	3.35	.0035882	.0009474	.0018595	1.93	3.79
4-47	10	2	.0026967	.0005670	.0011373	2.37	5.32	.0026637	.0004170	.0010023	2.66	6.39
4-47	10	3	.0028218	.0004402	.0009860	2.86	6.41	.0027138	.0003692	.0009780	2.77	7.37
4-47	11	1	.0039461	.0010806	.0022955	1.72	3.65	.0036141	.0008593	.0019635	1.84	4.21
4-47	11	2	.0022035	.0004450	.0012857	1.71	4.92	.0021685	.0003580	.0011507	1.88	6.06
4-47	11	3	.0020101	.0004462	.0011010	1.83	4.57	.0019021	.0003682	.0010930	1.74	5.17
4-47	12	1	.0035205	.0010478	.0021759	1.62	3.36	.0031885	.0008265	.0018439	1.73	3.86
4-47	12	2	.0025685	.0004716	.0011637	2.21	5.45	.0025335	.0003816	.0010287	2.46	6.64
4-47	12	3	.0024862	.0004182	.0009651	2.58	5.95	.0023782	.0003462	.0009571	2.48	6.87
4-48	1	1	.0057168	.0011981	.0022243	2.57	4.77	.0053848	.0009768	.0018923	2.85	5.51
4-48	1	2	.0042091	.0006193	.0012894	3.26	6.80	.0041741	.0005293	.0011544	3.62	7.09
4-48	1	3	.0035633	.0004820	.0010336	3.45	7.39	.0034558	.0004100	.0010256	3.37	8.43
4-48	2	1	.0032152	.0015584	.0026488	3.48	5.91	.0088832	.0013371	.0023168	3.83	6.64
4-48	2	2	.0074693	.0010360	.0013236	5.64	7.21	.0074343	.0009460	.0011886	6.25	7.86
4-48	2	3	.0065123	.0009013	.0014491	4.49	7.23	.0064048	.0008293	.0014411	4.44	7.72
4-48	3	1	.0048323	.0011504	.0022854	2.11	4.20	.0045003	.0009291	.0019534	2.30	4.84
4-48	3	2	.0032396	.0006010	.0013031	2.49	5.39	.0032046	.0005110	.0011681	2.74	6.27
4-48	3	3	.0036691	.0005056	.0011372	3.23	7.26	.0035611	.0004336	.0011292	3.15	8.21
4-48	4	1	.0049550	.0011572	.0022741	2.18	4.28	.0046230	.0009359	.0019421	2.38	4.94
4-48	4	2	.0034653	.0005530	.0013443	2.58	6.27	.0034313	.0004630	.0012093	2.84	7.41
4-48	4	3	.0029578	.0005208	.0011479	2.58	5.68	.0028498	.0004488	.0011399	2.50	6.35
4-48	5	1	.0045547	.0011096	.0021481	2.12	4.10	.0042227	.0008883	.0018161	2.33	4.75
4-48	5	2	.0033022	.0005831	.0011995	2.75	5.66	.0032672	.0004931	.0010645	3.07	6.63
4-48	5	3	.0027962	.0004991	.0010379	2.69	5.60	.0026882	.0004271	.0010299	2.61	6.29
4-48	6	1	.0044309	.0011253	.0022430	1.98	3.94	.0040989	.0009040	.0019110	2.14	4.53
4-48	6	2	.0028746	.0005140	.0012537	2.29	5.59	.0028396	.0004240	.0011187	2.54	6.70
4-48	6	3	.0026426	.0004586	.0011680	2.26	5.76	.0025346	.0003866	.0011600	2.19	6.56
4-48	7	1	.0036611	.0010971	.0022191	1.65	3.34	.0033291	.0008758	.0018871	1.76	3.80
4-48	7	2	.0024569	.0004907	.0012815	1.92	5.01	.0024219	.0004007	.0011465	2.11	6.04

STA NO	RCT NO	LAMCA	WATER + PARTICLES			PARTICLES						
			B(45)	B(90)	B(135)	45 135	45 90	B(45)	B(90)	B(135)	45 135	45 90
4-48	7	3	.0023571	.0004677	.0011187	2.11	5.04	.0022491	.0003957	.0011107	2.02	5.68
4-48	8	1	.0037310	.0010929	.0021671	1.72	3.41	.0033990	.0008716	.0018351	1.85	3.90
4-48	8	2	.0026011	.0004985	.0006213	4.19	5.22	.0025661	.0004095	.0004863	5.28	6.28
4-48	8	3	.0023147	.0004150	.0010135	2.28	5.58	.0022067	.0003430	.0010055	2.19	6.43
4-48	9	1	.0035504	.0010370	.0022303	1.59	3.42	.0032188	.0008157	.0018982	1.70	3.95
4-48	9	2	.0023213	.0004715	.0012468	1.86	4.92	.0022863	.0003815	.0011118	2.06	5.99
4-48	9	3	.0022524	.0004634	.0010780	2.09	4.86	.0021444	.0003914	.0010700	2.00	5.48
4-48	10	1	.0034646	.0010766	.0021126	1.64	3.22	.0031326	.0008553	.0017800	1.76	3.66
4-48	10	2	.0022834	.0004751	.0011512	1.98	4.81	.0022484	.0003851	.0010162	2.21	5.84
4-48	10	3	.0024922	.0003983	.0010026	2.09	5.25	.0019842	.0003263	.0009946	2.00	6.08
4-48	11	1	.0036718	.0010527	.0021079	1.74	3.49	.0033398	.0008314	.0017759	1.88	4.02
4-48	11	2	.0024030	.0004362	.0011347	2.12	5.51	.0023680	.0003462	.0009997	2.37	6.84
4-48	11	3	.0024033	.0002060	.0009936	2.42	.83	.0022953	.0002840	.0009856	2.33	.81
4-48	12	1	.0032953	.0010929	.0023065	1.43	3.02	.0029638	.0008716	.0019745	1.50	3.40
4-48	12	2	.0022948	.0004395	.0013161	1.74	5.22	.0022598	.0003495	.0011811	1.91	6.47
4-48	12	3	.0021153	.0004708	.0011359	1.86	4.49	.0020073	.0003988	.0011279	1.78	5.03
4-48	13	1	.0042171	.0012938	.0023021	1.83	3.26	.0038851	.0010725	.0019701	1.97	3.62
4-48	13	2	.0026392	.0004751	.0011853	2.23	5.55	.0026042	.0003951	.0010503	2.48	6.76
4-48	13	3	.0025970	.0004646	.0010679	2.43	5.59	.0024990	.0003926	.0010599	2.35	6.34
4-48	14	1	.0045246	.0011330	.0022905	1.98	3.99	.0041926	.0009117	.0019585	2.14	4.60
4-48	14	2	.0031959	.0005729	.0012759	2.50	5.58	.0031609	.0004829	.0011409	2.77	6.55
4-48	14	3	.0026108	.0005122	.0011602	2.25	5.10	.0025028	.0004402	.0011522	2.17	5.69
4-48	15	1	.0034075	.0010995	.0023479	1.45	3.10	.0030755	.0008782	.0020159	1.53	3.50
4-48	15	2	.0023973	.0004751	.0012837	1.37	5.05	.0023623	.0003851	.0011487	2.06	6.13
4-48	15	3	.0023417	.0004425	.0011114	2.11	5.29	.0022337	.0003705	.0011034	2.02	6.03
4-48	16	1	.0035465	.0010929	.0021741	1.63	3.25	.0032145	.0008716	.0018421	1.75	3.69
4-48	16	2	.0027867	.0005023	.0009976	2.79	5.55	.0027517	.0004123	.0008626	3.19	6.67
4-48	16	3	.0026173	.0004677	.0009897	2.64	5.60	.0025093	.0003957	.0009817	2.56	6.34
4-48	17	1	.0041533	.0011330	.0023660	1.76	3.67	.0038213	.0009117	.0020340	1.88	4.19
4-48	17	2	.0026335	.0005919	.0013343	1.97	4.45	.0025985	.0005019	.0011993	2.17	5.18
4-48	17	3	.0020018	.0004646	.0011552	1.73	4.31	.0018938	.0003926	.0011502	1.65	4.82
4-48	18	1	.0032479	.0011162	.0022418	1.45	2.91	.0029159	.0008949	.0019098	1.53	3.26
4-48	18	2	.0023389	.0005140	.0012562	1.86	4.55	.0023039	.0004240	.0011212	2.05	5.43
4-48	18	3	.0020175	.0004677	.0010976	1.84	4.31	.0019095	.0003957	.0010896	1.75	4.83
4-48	19	1	.0039735	.0011330	.0022500	1.77	3.51	.0036415	.0009117	.0019180	1.90	3.99
4-48	19	2	.0024780	.0004787	.0012312	2.01	5.18	.0024430	.0003887	.0010962	2.23	6.28
4-48	19	3	.0025957	.0005039	.0011018	2.36	5.10	.0024877	.0004369	.0010938	2.27	5.69
4-48	20	1	.0036965	.0011558	.0023760	1.56	3.20	.0033645	.0009345	.0020440	1.65	3.60
4-48	20	2	.0023944	.0004985	.0013612	1.76	4.80	.0023594	.0004085	.0012262	1.92	5.78
4-48	20	3	.0020723	.0004616	.0011643	1.78	4.49	.0019643	.0003896	.0011563	1.70	5.04
4-49	1	1	.0075634	.0013612	.0025168	3.01	5.56	.0072314	.0011399	.0021848	3.31	6.34
4-49	1	2	.0058227	.0007477	.0015107	3.85	7.79	.0057877	.0006577	.0013757	4.21	8.80
4-49	1	3	.0047220	.0006890	.0013322	3.54	6.85	.0046140	.0006170	.0013242	3.48	7.48
4-49	2	1	.0116432	.0018203	.0030654	3.80	6.40	.0113112	.0015990	.0027334	4.14	7.07
4-49	2	2	.0118656	.0012576	.0020417	5.81	3.44	.0118306	.0011676	.0019067	6.20	0.1*
4-49	2	3	.0103759	.0012326	.0018663	5.56	8.42	.0102679	.0011606	.0018583	5.53	8.85
4-49	3	1	.0049435	.0011394	.0023341	2.12	4.34	.0046115	.0009181	.0020021	2.30	5.02
4-49	3	2	.0041195	.0006240	.0013932	2.96	6.00	.0040845	.0005340	.0012582	3.25	7.65
4-49	3	3	.0033508	.0005564	.0012105	3.26	7.10	.0038428	.0004844	.0012025	3.20	7.93
4-49	4	1	.0043140	.0011313	.0025757	1.67	3.81	.0039820	.0009100	.0022467	1.77	4.38